

Ovation
MEDIA SERVER & SEQUENCER

User Manual



No part of this documentation may be reproduced in any form whatsoever or be stored in any data retrieval system without prior written permission of the copyright owners.

This documentation is supplied on an as-is basis. Information contained within this documentation is subject to change at any time without notice and must not be relied upon.

All company and product names are [™] or Registered Trademarks [®] of their respective owners. Windows Vista, Windows XP and Windows 2000 are trademarks of Microsoft Corporation.

Merging Technologies makes no warranties express or implied regarding this software, its quality, performance, merchantability or fitness for a particular purpose. The software is supplied "as is" you, the purchaser, are assuming the entire risk of the results of using this Merging Technologies software.

In no circumstances will Merging Technologies, its owners, directors, officers, employees or agents be liable to you for any consequential, incidental or indirect loss or damages including loss of time, loss of business, loss of profits, loss of data or similar resulting from the use of or inability to use the Merging Technologies hardware and or software or for any defect in the hardware software or documentation.

© Copyright Merging Technologies Inc. 2013. All rights reserved



Contents

Welcome to Merging Technologies Ovation!	10
Introduction	10
Overview	11
Scope	11
Evaluation Mode	11
Latency	11
Audio Formats Supported	11
Ovation Documentation and Help	12
Conventions	12
QUICKSTART	13
A First Simple Show	13
New Show	14
Configure the Mixer	16
Building the Show	18
First Run	19
Hot Keys Mode	22
Timed Cue List	24
Conclusion	27
Ovation Concepts	28
Launching Ovation	28
Ovation Media and Commands	28
Media Management	29
Remote Control	29
Remote Control OF Ovation	29
Remote Control BY Ovation	29
Remote Control of Ovation Mixer	29
Multi-Sequencer Synchronization	29
Ovation Modes	30
Compose Mode	30
Show Mode	30
Show	31
Cue Lists	31
Multiple Cue Lists	31
Audition	31
Cue List Pane	32



Cues in Cue Lists	33
Cue Fire Buttons	34
Fire Toolbar	35
Cue List Types	35
Cue List Detail	36
Standard Cue List	36
Timed Cue List	37
Hot Keys Cue List	37
Custom Keys Cue List	39
Cue Browser Cue List	41
Hot Browser Cue List	42
Cues	42
Cue Icons	43
Selecting Cues	43
Cue / Cue List Context Menu	43
CD Tracks Import	46
Cue Capabilities	49
Empty Cues	50
Compound Cues	50
Scenes	51
Mixer	51
Sync Source Considerations	51
I/O Status Window	51
Snapshot Automation	51
Show Logging	54
Other Modules	54
Editing with Pyramix	55
Recording	57
Record	57
Record Mixer	59
Ovation User Interface	60
User Interface Options	60
Fire Command	60
Context Menus	60
Keyboard Shortcuts	60
Hardware Control Surfaces	60
Mouse Modifier Keys	60
Main Window	61
Main Window, Panes and Toolbars	62
Toolbars	65
Toolbar Context Menu	65
Audition Toolbar	66
Audition Jump	66



Audition Drop-down	67
Show Controls	68
Other Toolbars	69
Show	70
Cue List	71
Create Cue List	72
Cue	72
Fire	73
Settings	74
Show Menus and Toolbars in Emergency	74
Active Cue Window	75
Features & Functions	75
Cue List and Cue	75
Lock and Pin	75
Cue Trimmer	78
Audition Toolbar	79
Show Mode	80
Active Cue Window Edit Toolbar	82
Markers	84
Markers in Cue Properties	85
Markers Interaction Rules	86
Properties Panes	88
Types	88
Show Properties	89
Cue List Properties	93
Cue Properties	97
Interaction Rules	110
Adding Rules	110
Show ValidationTool	114
Show Validator	114
Show Consolidation and Packaging	115
The Consolidation Process	115
The Packaging Process	116
Audio Control	119
Audio Control Pane	119
Cue Gain	120
Cue Gain Control	120
TimeCode	121
TimeCode Reader Panes	121
Audio Output Slots	123
What is an Audio Output Slot?	123
Audio Gain Matrix	124
Ovation Files	128



File Types	128
Ovation Menus	129
Show	129
Cue List	130
Cue	132
Fire	134
View	135
Settings	136
Help	136
Settings	137
Settings Buttons	138
Show Settings	139
General	139
I/O Interfaces	141
Routing	142
TimeCode	142
Mixing Console	142
Application Settings	152
General	152
Player Units	157
MIDI	158
IP	159
Com	160
Ethernet	161
GPO	163
Controller	165
Controller Units	165
Proprietary	166
MIDI	170
COM	172
IP	175
GPI	176
Ovation Webserver	179
Using Ovation Webserver	179
Tips and Tricks	183
Rules	183
Fade Modifier	183
<Default>	183
Drag & Drop	183
Changing Properties for Multiple Cues	184
Starting a Show With Sysex	184
System Requirements For Ovation	185
Computer	185



Hard Disk Space Requirements	185
Installing Hardware	186
Mykerinos Board Installation	186
Multi-board installation	186
Mykerinos Board I/O	186
Time Code and Video Sync Option	187
Cabling Ovation in your System Environment	187
Digital Audio Synchronization and TimeCode	188
Installing Ovation Software	189
Installation Overview:	189
Driver Signing	189
Running the Installer	189
Enabling Ovation with your Software Key	190
First launch	192
Before Launch	192
Starting Ovation	193
Audio File Support	194
Quicktime Support	194
Compressed Audio File Formats	194
Codecs	194
How Compressed Audio Support Works	194
Keyboard Shortcuts	196
Default Keyboard Shortcuts	196
Custom Keyboard Shortcuts	200
Advanced Features	202
Multiple Ovation Sequencers for Redundancy	202
Remote Players and Controllers	202
OV Player	202
OV Controller	205
Appendix I	209
OVController Commands	209
Media Sequencer Mode available Commands:	210
Media Server Mode available Commands:	212
Appendix II	214
The Ovation Keyboard Controller Commands Map	214
Keyboard Layout	214
Changing Keyboard Mapping	215
Ovation Keyboard Commands mapping	216
Appendix III	217
MIDI and Midi Show Control	217
Appendix IV	225
DMX Commands	225
Appendix V	226
GPI Commands	226



Appendix VI	228
Mouse Modifier Keys	228
Show Control	228
Hot Key Mode	228
Appendix VII	229
I/O Daughter-card Options	229
Appendix IIX	231
Web Server Commands	231
Index	237



Document revision-58

Date: 3rd-April-2014



Welcome to Merging Technologies Ovation!

Introduction

Thank you!

Congratulations on your purchase of the **Ovation Media Server & Sequencer**.

Ovation is a ground-breaking Media Server and Sequencer with the tools you need to produce and run shows in many spheres of activity. For example:

Theatres

Theme Parks

Museums

TV Game Shows

Trade Shows

AV Presentations

Radio stations

Retail Outlets

are just a few of the possible applications for **Ovation**.

Note: IMPORTANT! - The first thing you need to do is register your software to acquire your security key(s) and to be included in our user support list.

Please also subscribe to the User Forum at:

<http://www.merging.com/forum/>

PLEASE DO NOT PRINT THIS DOCUMENT UNLESS ABSOLUTELY NECESSARY
SAVE TREES AND INK BY USING THE HYPERLINKS



Overview

Ovation enables the user to run **Cues** of many Media and Command types, either manually like a spot player / cartridge machine or automatically against Run-time, Time-of-day or external LTC or MIDI TimeCode. The Ovation Sequencer can be controlled from a hardware controller, touch screens, GPIs, Sony 9-pin (P2) Protocol commands and MIDI.

Audio recording is also possible.

Scope

Today, **Ovation** can control Audio, GPOs, MIDI Files, MIDI Commands, Sony 9-pin (P2 protocol commands over RS422 or ethernet (IP), IP commands, MMC, MTC TimeCode and Shell Commands/Scripts/batch Files. DMX will be supported in the future. The Ovation Mixer can be automated under Ovation control.

Ovation can be controlled via a dedicated Hardware Controller, Touch Screens, MIDI and GPIs. The Ovation Mixer can be remote controlled via EMC or Eucon. The Merging Technologies ISIS remote controller is not supported.

Evaluation Mode

If you have not entered a valid key Ovation will run in Evaluation Mode.

Everything works in the same way as the full version but only one Cue List can be saved or loaded with a Show.

Latency

Minimum latency will only be achieved in systems running in **Native** or **MassCore™** modes. Under **MassCore™** the fire latency will be between 45ms and 66ms, plus the time required by the triggering device (USB, GPI/O, etc...). The dedicated Ovation hardware controller typically gives rise to an additional 10ms latency.

Note: All automatically triggered events are sample accurate. For example when a rule fires a Cue.

Audio Formats Supported

For the full list of supported audio formats please see the Pyramix User Manual.



Ovation Documentation and Help

ToolTips

Ovation Software is equipped with 'ToolTips'. Hovering the mouse cursor over a tool icon pops-up a box with the name of the function.

Documentation

All the documentation is in the Adobe Acrobat pdf format. (.pdf file extension)

In order to read the documentation you will need to have **Adobe Acrobat Reader V6** or later installed on your computer.

Note: All Contents entries, Index entries and Cross-references are hyperlinks for rapid navigation.

This **Ovation User Guide** and the **Pyramix User Manual** may be opened from the **Help** menu. Other documentation can be found in the Windows **Start** menu in **All Programs > Pyramix > Docs**. Please check for the most recent versions at:

<http://www.merging.com/downloads>

Support

If you cannot find an answer to a query in the documentation, please consult the on-line support at:

<http://www.merging.com/contact/tech-support>

where you will find answers to F.A.Q.s (Frequently Asked Questions) and further support.

Assumptions

This **Ovation User Guide** and other documentation assume you are thoroughly familiar with PCs and Windows terms and concepts. If self installing to a new PC, please ensure the machine is working correctly before attempting to install Ovation.

Conventions

Conventions used in Merging Technologies Documents:

Names found on screens and in menus are shown in bold. E.g. **Information & Settings**

Menu and sub-menu selections are shown like this:

Show > Recent Shows : Quickstart

Which means:

Go to the **Show** pull-down menu, mouse down to the **Recent Shows** sub-menu and choose **Quickstart**.

The **Settings** dialog Has its own hierarchical tree structure in the left hand pane with folders leading to pages.

QUICKSTART

Overview

This section provides a step-by-step guide to creating a simple new **Show** and configuring the mixer. It includes: adding **Cues** to **Cue Lists**, several different types of Cue List, Running the **Show** and **Firing Cues** and **Cue Lists**.

Note: This section is not intended as a substitute for the more detailed information to be found elsewhere in this guide.

A First Simple Show

The following prior steps are assumed:

- Ovation hardware and software installation has been completed.
- A means of monitoring has been connected to the physical I/O.
- The software has been registered, the registration key(s) entered and the initial settings entered in the **VS3 Control Panel**.

Launch Ovation

Double-click the **Ovation** icon:

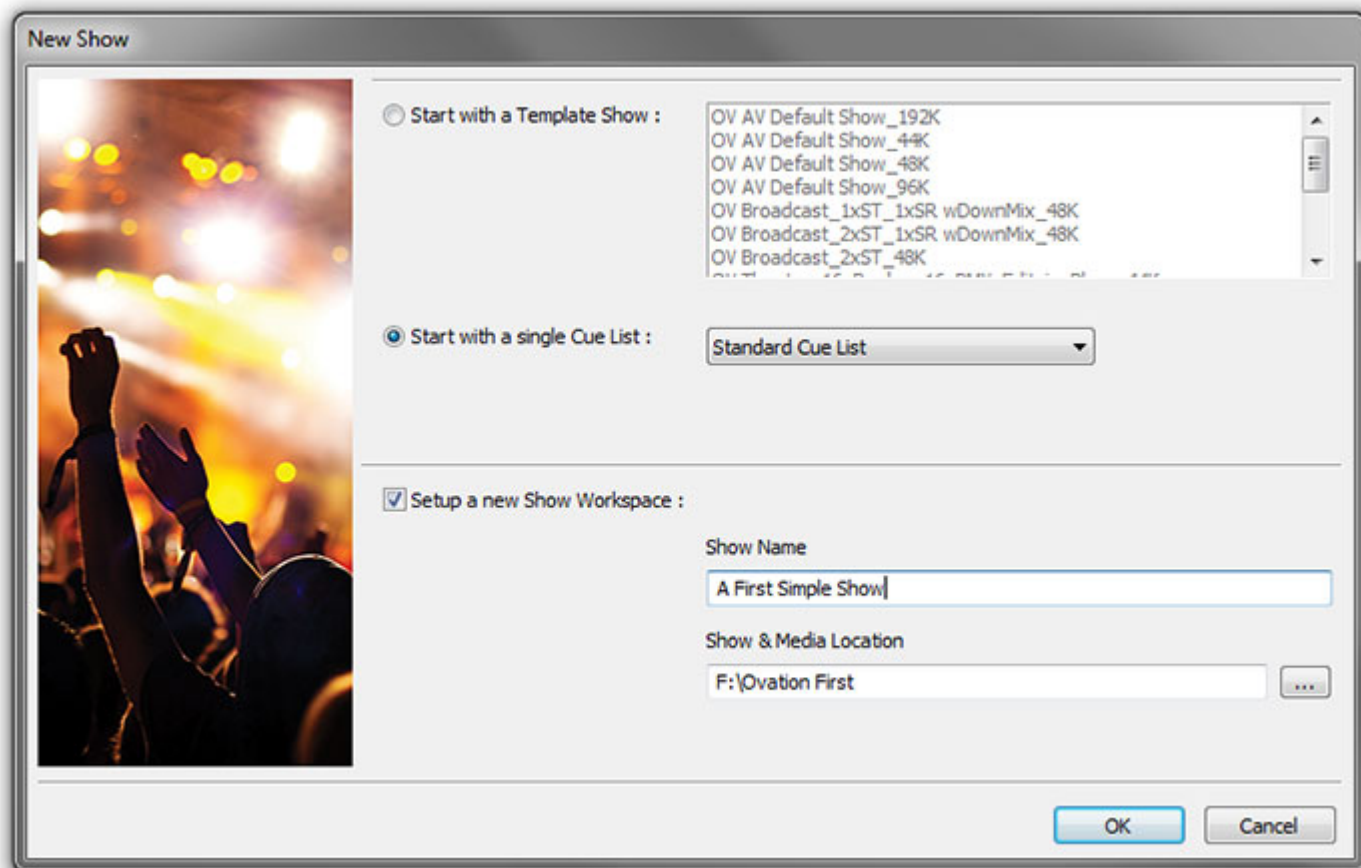


Alternatively, click on **Start > All Programs > Merging Technologies > Ovation : Ovation**

Ovation will open with an empty main window and the **New Show** dialog opens.



New Show



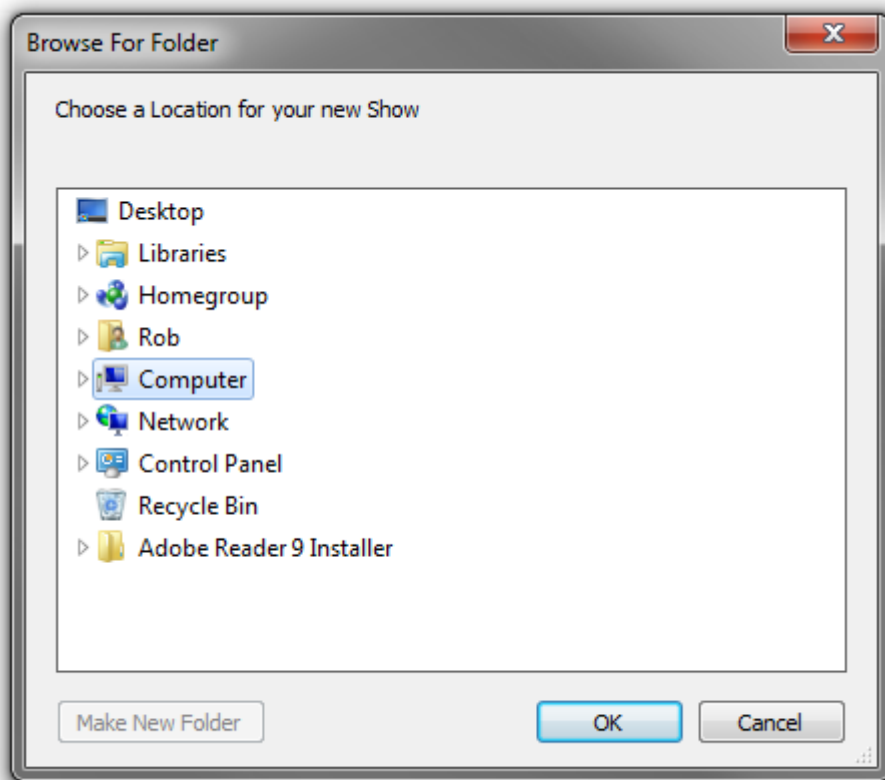
New Show dialog

- Start with a template show** When selected you can choose a preexisting template from the list in the right-hand pane.
- Start with a single Cue List** When selected the Show will open with a single Cue List ready created. The combo box shows the type of Cue List which will be created. The arrow drops down the list of types available.
- Standard Cue List**
 - Timed Cue List**
 - Hot Keys**
 - Custom Keys**
 - Cue Browser**
 - Hot Browser**
- Set up a new Show Workspace :** When ticked a new **Show Workspace** will be created for the new Show.
- Show Name** Type a suitable name for the new Show in this field.
- Show & Media Location** The field shows the path to where the Show and associated files will be stored.



...

Clicking on the ... button opens a **Browse For Folder** dialog :



Browse For Folder dialog

The **Browse For Folder** dialog functions the same way as other Windows browsers. navigate to the location you wish to store the new project and select the desired folder or use the **Make New Folder** button to create and name a new one. Click on **OK** to create the new folder and close the dialog. The **Cancel** button closes the dialog without selecting a new location.

For the purposes of this first simple Show select:

Start with a single Cue List: Standard Cue List

Tick Setup a new Show Workspace (If not already ticked (default)).

Type a suitable name for the Show

Navigate to a suitable location to store the Show (Create a new folder if necessary.)

Click on OK to create the Show

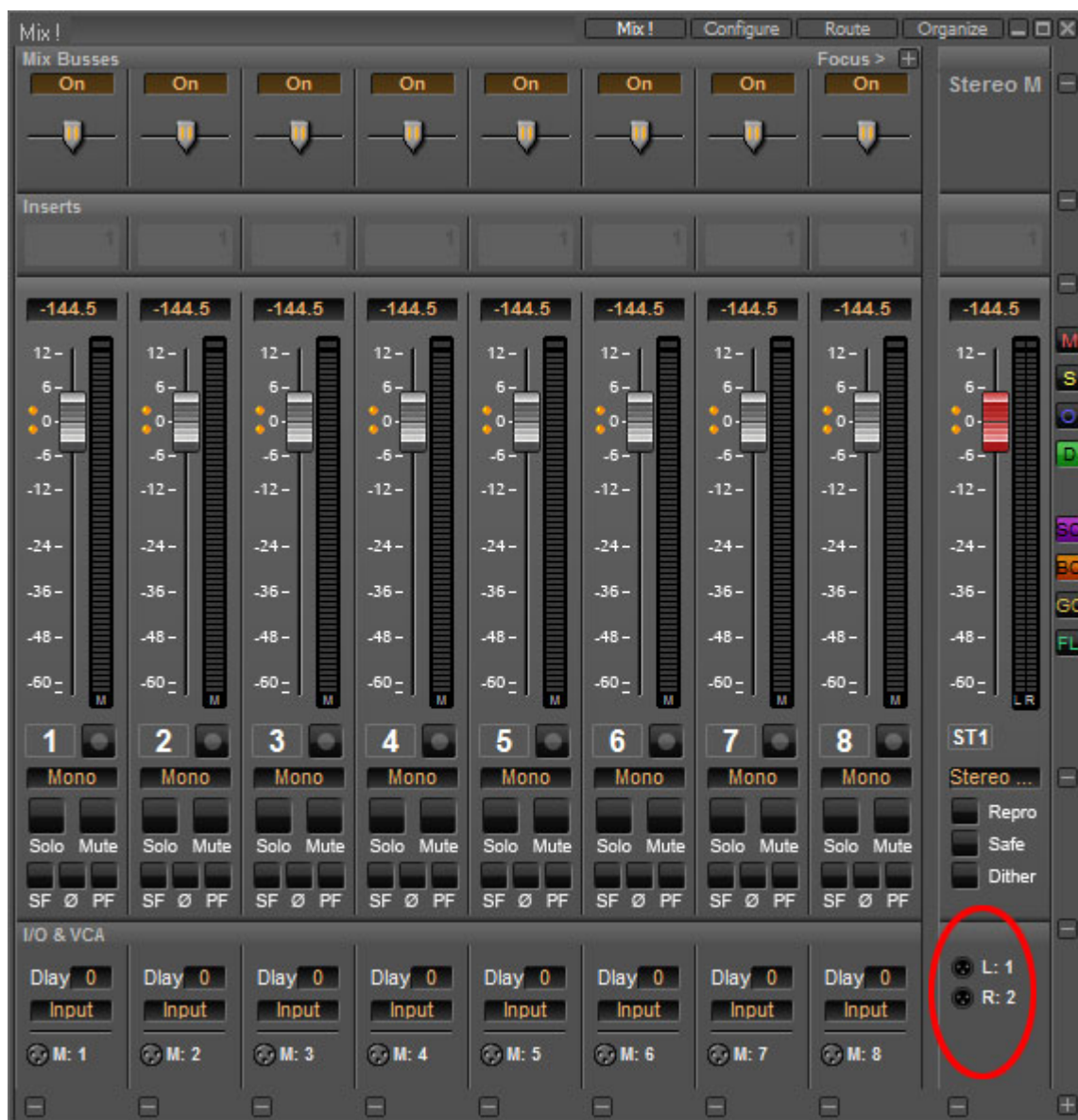
The Show opens in Compose Mode. I.e. the mode for adding Cues and designing your Show and a new Standard Cue List will appear in the otherwise empty main window.



Configure the Mixer

The default mixer will be displayed. If this does not happen check that **View > View Mixer** is highlighted (enabled).

On first launch the default 8 into 2 mixer will be loaded with **NO** output routing selected.

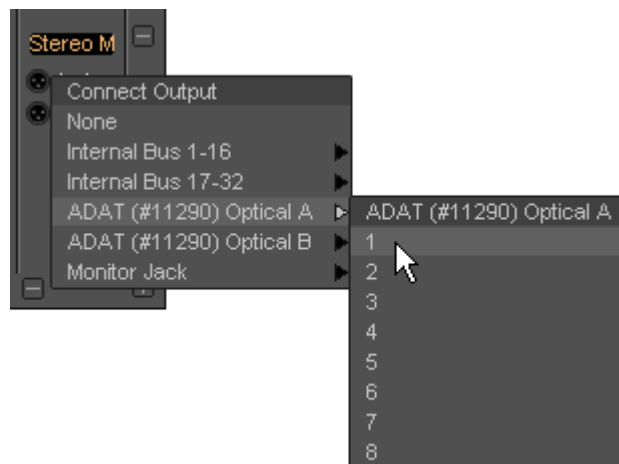


Default Mixer with Output Routing Circled



Output Routing

Click on the **L**: XLR icon near the bottom of the **ST1** output Bus Mixer Strip to pop-up the **Connect Output** menu.



Default Mixer Output Routing

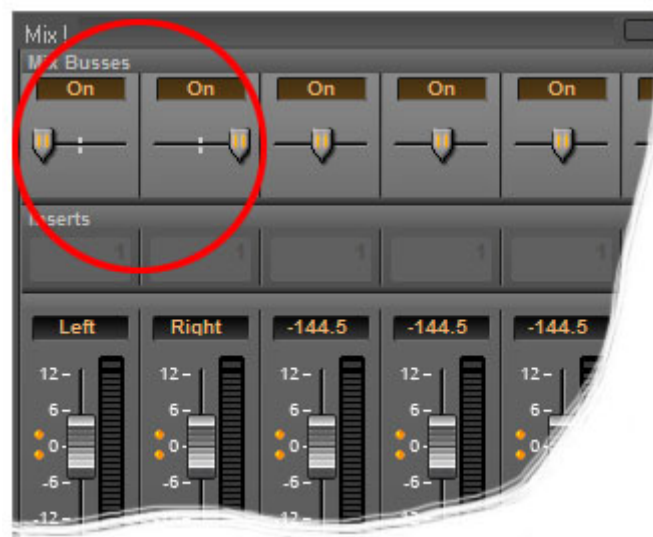
Click on the appropriate daughter board output for your hardware (In this case an ADAT daughter board is fitted so there are two entries, one for each physical connector.) Click on the desired output to route it for the Left side of the stereo output.

Repeat for the **R**: XLR icon choosing a second output channel for the Right side of the stereo output.

Set Panning

For this exercise stereo material is assumed and the panning needs to be set to suit:

Click on Strip One's pan slider and drag to the left until **Left** is shown in the alphanumeric panel above the fader.



Default Mixer Stereo Panning

Now click and drag Strip Two's pan slider to the right until **Right** shows in the display. (The display reverts to peak level a second or two after the mouse pointer moves away.) Repeat for the remaining six strips in Left Right pairs.

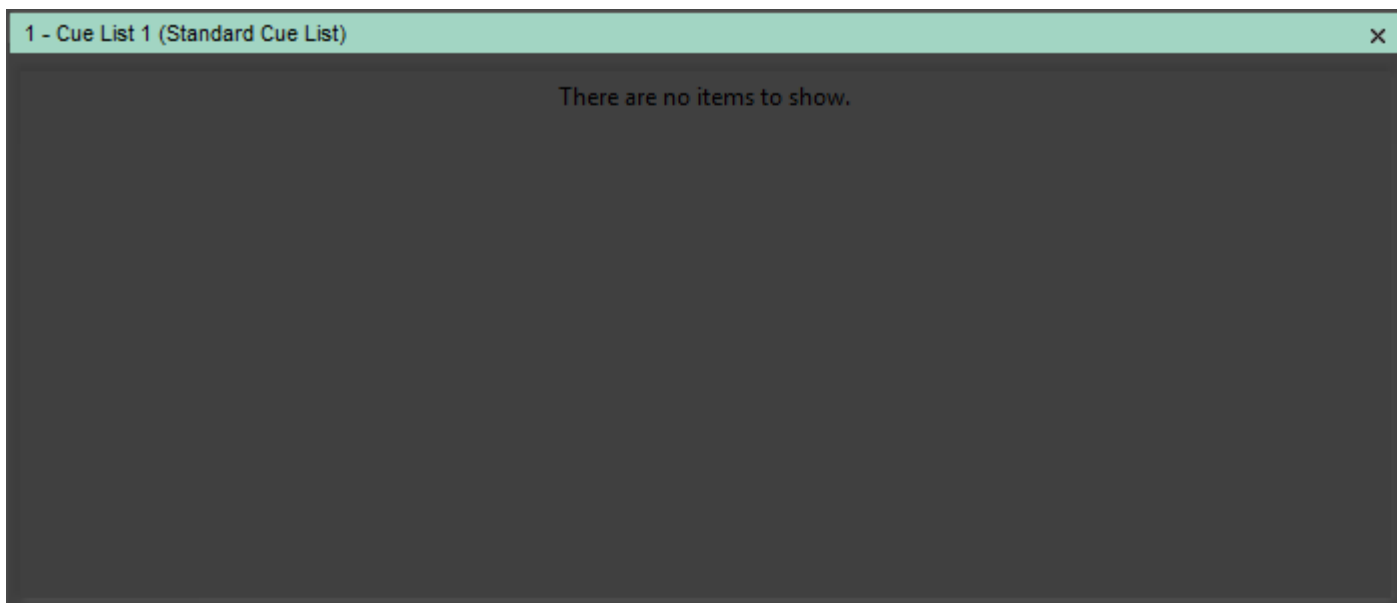
Note: For detailed information about the mixer please see the Pyramix User Manual.

Saving Mixer Configurations

The mixer configuration is saved with the Show. Mixer configurations can also be saved and loaded independently via the mixer **Organize** tab. (Please see the Pyramix User Manual for full details.)



Building the Show



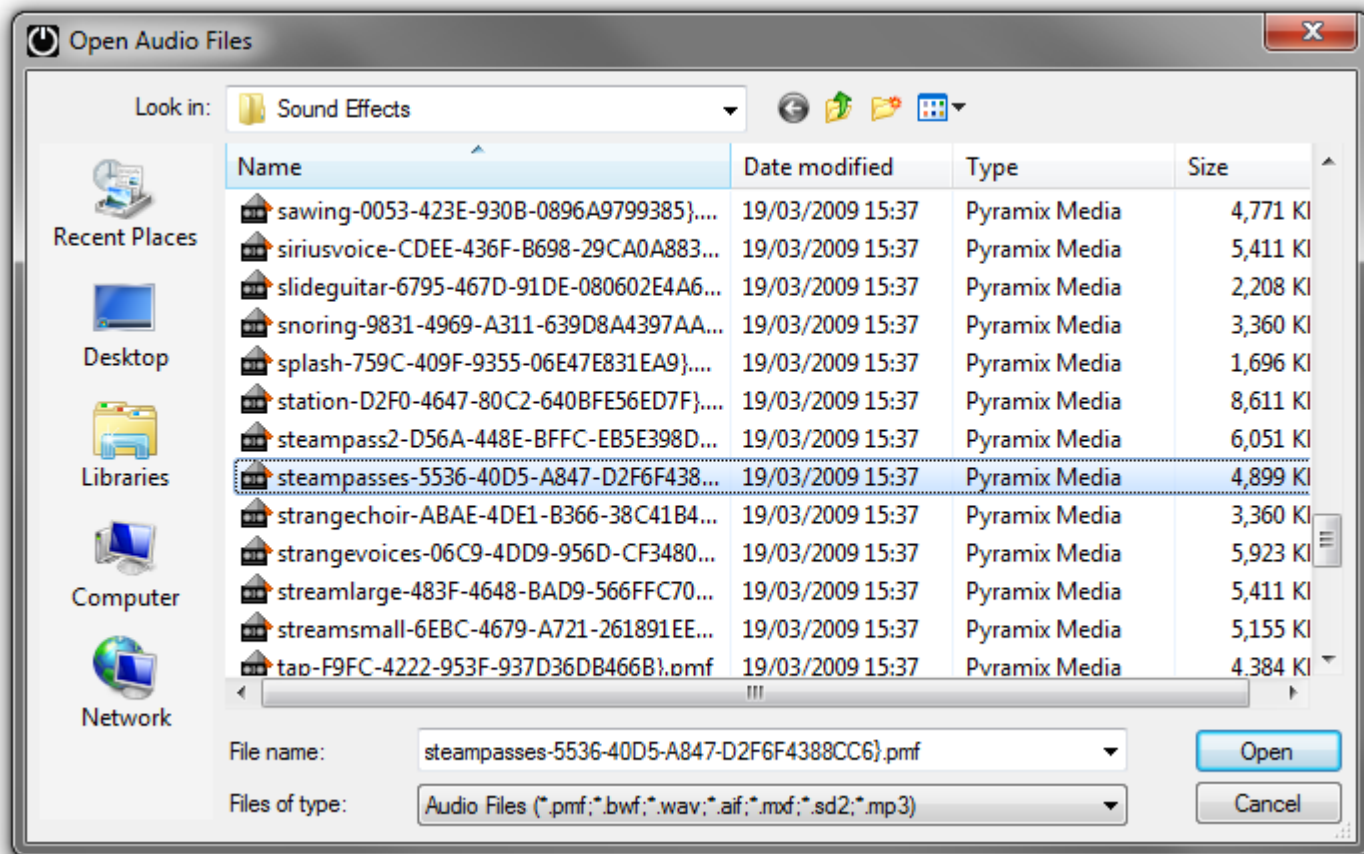
Cue List Pane - Compose Mode

Add Cues

Select **Add > Load Audio File** from the right-click context menu or select from the **Cue** menu **Add > Load Audio File** to open the **Open Audio Files** Browser.

Select, say, five Audio Media Files and click on **Open** to load them as **Cues** into the **Cue List** created with the Show.

Notice that the Cue names in the Browser include the **UIDs (Unique IDentifiers)**



Open Audio Files Browser



You should now have a **Cue List** that looks something like this:

1 - Cue List 1 (Standard Cue List)			
1	steampasses	00:00:24	A1
2	station	00:00:44	A1
3	trainwhistle	00:00:06	A1
4	bell	00:00:42	A1
5	steampass2	00:00:30	A1

Cue List Pane - Compose Mode

Notice that Ovation has abbreviated the **Media File** names intelligently to generate **Cue Names**. The **Cue Name** can be changed in the **Cue Properties** pane and the **Media File(s)** can be changed without changing the **Cue Name** by using the **Replace Audio Media** function.

Experiment with the **Move Up** and **Move Down** buttons (in the right-click context menu), but for the present leave everything else as it is.

First Run

Initialize Show




In the main window Click on the **Init Show** button:



Main Window



(Or select **Show > Init**) to Initialize the Show. Note that the Main Window may well contain the Cue List(s) you've created. Notice also that the **Cue List** pane changes to Normal Show Mode with the first Cue selected :

1 - Cue List 1			
1	steampasses Asleep		00:00:24 A1
2	station Asleep		00:00:44 A1
3	trainwhistle Asleep		00:00:06 A1
4	bell Asleep		00:00:42 A1
5	steampass2 Asleep		00:00:30 A1

Cue List Pane - Show Mode

The Green bar highlighting **1 - Cue List 1** shows that this Cue List is selected and will be affected by the **Show Control** buttons. Notice that the Cue status labels all read **Asleep**.

Play



Click on the **Start Show** button to begin.

The selected Cue is highlighted in Purple indicating that it is selected and **Ready** is shown in below the Cue Name. I.e. prepared for Firing. (buffer loaded)

1 - Cue List 1			
1	steampasses Ready		00:00:24 A1
2	station Asleep		00:00:44 A1
3	trainwhistle Asleep		00:00:06 A1
4	bell Asleep		00:00:42 A1
5	steampass2 Asleep		00:00:30 A1

Cue List Pane with Cue Ready - Show Mode

Notice also that a red border has appeared around the Cue. This flashes slowly and indicates that this is the Cue which will be affected by the next initiation of any of the Fire, Pause and Stop Buttons, Keyboard Shortcuts and remote control.



Click on the **Fire Selected Cue** button. The selected Cue plays and it's colour changes to Green with an elapsed time bar running across the Cue and two counters showing time elapsed and time remaining.

1 - Cue List 1			
1	steampasses	Playing	00:00:10 - 00:00:14 A1
2	station	Asleep	00:00:44 A1
3	trainwhistle	Asleep	00:00:06 A1
4	bell	Asleep	00:00:42 A1
5	steampass2	Asleep	00:00:30 A1

Cue List Pane with Cue Playing - Show Mode

Notice that the same Cue remains selected in the Cue List. Notice also that when the Cue has finished Playing, it stops and is highlighted in grey to show that it is selected.

Stop the Show and re-initialize. (**Show > Stop** and click **OK** in the **Are you sure you really want to Stop the Show?** dialog.

Start the Show. As before, the selected Cue is readied for payout.



Click on the **Fire Sequence** button. The selected Cue plays. Notice that this time, the next Cue in the list is now highlighted and **Ready** for Firing.

1 - Cue List 1			
1	steampasses	Playing	00:00:08 - 00:00:16 A1
2	station	Ready	00:00:44 A1
3	trainwhistle	Asleep	00:00:06 A1
4	bell	Asleep	00:00:42 A1
5	steampass2	Asleep	00:00:30 A1

Cue List Pane with Cue Playing & Next Cue Ready - Show Mode



Notice also that the red border has moved to Cue 2. This is because it is now the Cue which will be affected by the next initiation of any of the Fire, Pause and Stop Buttons, Keyboard Shortcuts and remote control.



Click on the **Fire Sequence** button again. The next Cue Plays. Notice that the original Cue (if it hasn't ended) is still playing and the next Cue is now highlighted and **Ready** for Firing.



Cue List Pane with Two Cues Playing & Next Cue Ready - Show Mode

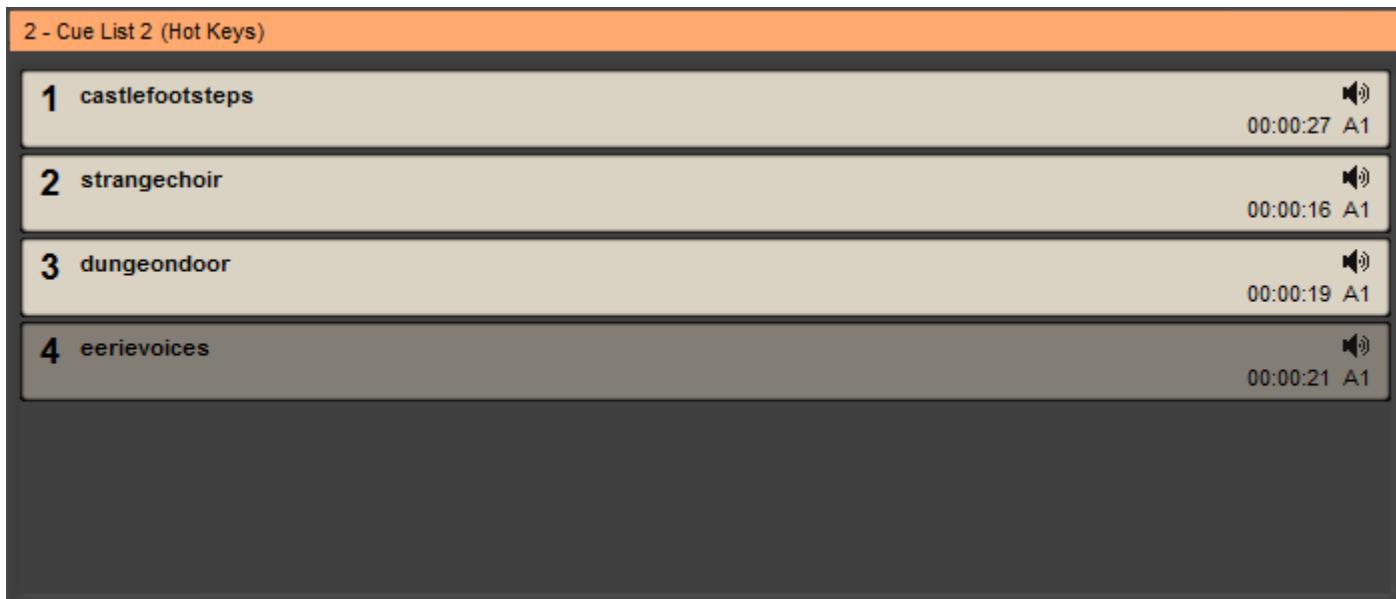
Notice also that the red border has now moved to Cue 3.

Play with the **Show Control** "Transport" buttons until you are familiar with their operation.

Click on **Show > Stop** and **OK** in the **Stop Show** dialog to return to **Compose Mode**.

Hot Keys Mode

Create a second Cue List, this time choosing **CueList > New > Hot Keys**, and add some Cues.



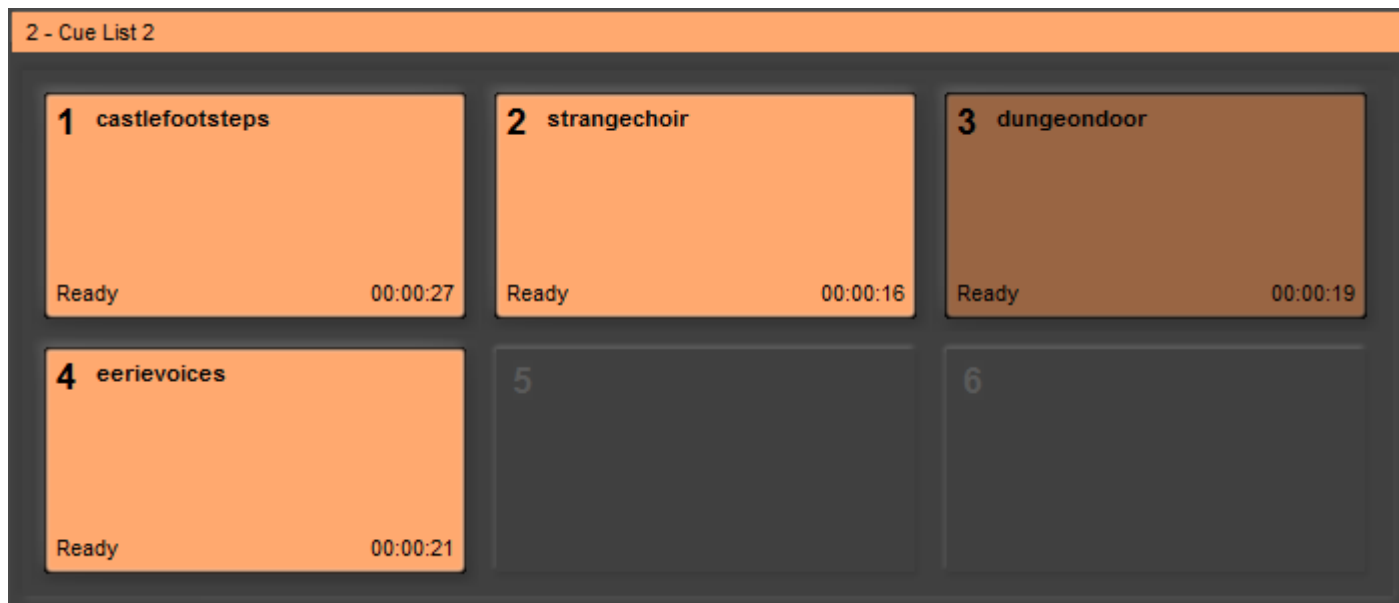
Hot Keys Cue List Pane - Compose Mode - normal



Note: In normal Compose mode, apart from the orange header and the **(Hot Keys)** label in the title bar there is no difference between the standard Cue List and the Hot Keys Cue list until the Show is initialized.

Click on the **Init Show** button to Initialize the Show:

The original Cue List will appear as before and the new, **Hot Keys**, Cue List will appear thus:



Hot Keys Cue List Pane - Show Mode

If the new Cue List is not selected (no Orange bar) either click on the title bar to select it or click on the



Show Controls **Toggle Cue Lists** button until it is selected.

Start the Show and experiment with the on screen **Hot Keys** in the **2-Cue List 2** Pane and the Show Control **Fire** and **Fire Sequence** buttons.

Experiment with the **Hot Keys**. (Number keys on the PC Keyboard, **NOT** the Numeric keypad) and notice that they toggle **Fire** and **Stop**. (This behavior can be changed later if you wish.)



Select the first Cue List, **1-Cue List 1**, either by clicking on its Title Bar or clicking on the Show Control **Toggle Cue Lists** button until the list is selected (Green Title bar).

Select a Cue in the first Cue List and Fire it using the Show Control **Fire Selected Cue** or **Fire Sequence** buttons. Now use the keyboard **Hotkeys** to Fire and Stop Cues in the second list.

Click on **Stop Show** and **OK** in the **Stop Show** dialog to return to **Compose Mode**.



Timed Cue List

Create a third Cue List, this time using **Cue List > New > Timed Cue List** and add three Cues.

3 - Cue List 3 (Timed Cue List) ×

1	accordion	00:00:06 A1
2	30sguitar	00:00:09 A1
3	glissade	00:00:06 A1

Timed Cue List Pane - Compose Mode



Select the first Cue in the list right-click and select **Cue Properties** button to open the **Cue Properties** Pane for the selected Cue. Float the Pane and resize to convenient dimensions:

Cue	
Number	1
Name	accordion
Comments	
Length	00:00:06:000
Fade In	0 [ms]
Fade In Curve	Linear
Fade Out	0 [ms]
Fade Out Curve	Linear
Stop Fade Out	<Default>
Interaction Rules	
Ignore Parent Rules	No
Output Player	
Markers	
Timed Cue	
Go Time	Manual
Hot Key	
Custom Key	
Audio	
Offset	+00:00:00:000
Gain	0.00 dB
Audio Output Slot	1
Audio Media	accordion-AC67-4EB5-A7B8-9F655A82C8CC}.pmf
Sampling Rate	44100 Hz

Cue Properties Pane

Click in the **Go Time** field:

Markers	
Timed Cue	
Go Time	00:00:00:000
Hot Key	

Time Entry Box - Cue Properties Pane

A **Time** entry box appears. This takes the form of Hours Minutes Seconds and Milliseconds.

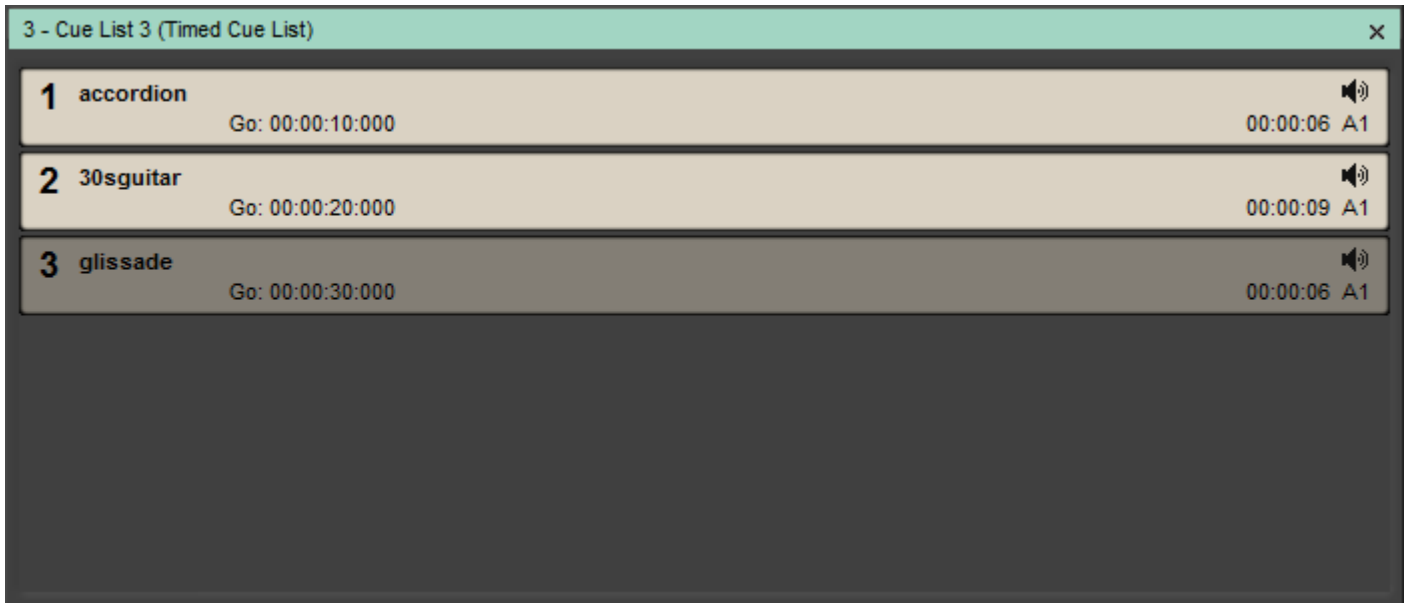
Click to position the entry cursor in the seconds section and type **10**. Click elsewhere in the **Cue Properties** pane to enter the value. Notice that the **Go Time** field value changes to **00:00:10:000**

In the third Cue List Pane select the next Cue and enter a Go Time of **00:00:20:000**

Repeat for the third Cue, entering a Go Time of **00:00:30:000**.



Notice that the Cue List 3 pane has changed to include the **Go:** times.

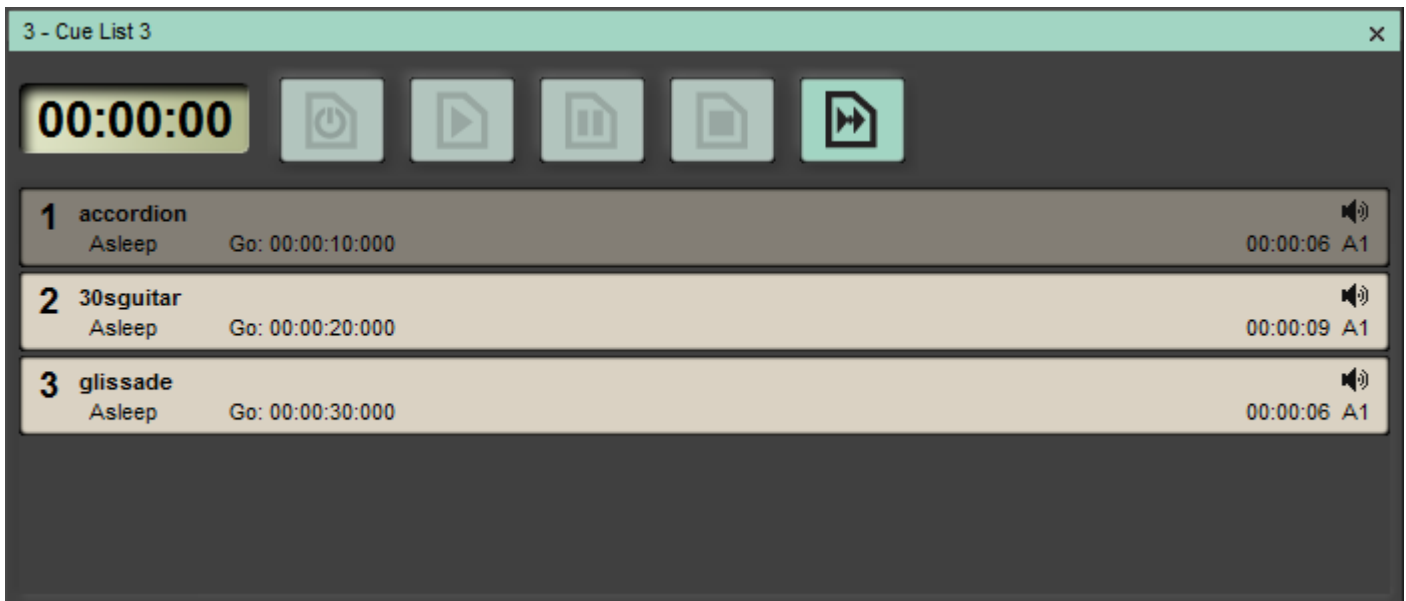


Timed Cue List Pane with Cue Start Times - Compose Mode

Select **Show > View Show Properties** and click in the **Show Time Mode** field and choose **Duration**. (If not already showing.)

Initialize the Show

Notice that Cue list 3 now has a **Time** Toolbar:



Timed Cue List Pane - Show Mode

Chase Timed List



Click on the **Chase Timed List** button to instruct the list to follow the Show Time.

Note: The **Chase Timed List** button is Latching. I.e. its state is remembered when the show is stopped and re-started.



In Show mode the **Chase Timed List** button is lit green when engaged.

Note: Once selected this function persists when the show is stopped and re-started until manually cancelled by clicking on the button again.

Click on **Start Show**. Cue List 3's Time Counter follows the Show Time Counter. The Timed Cues in List 3 fire as the Show Time reaches their Go Times. (If the Cues you chose are longer than 10 seconds each then the next Cue will be Fired while the earlier one continues to play.)

Notice that the Hot Keys are still active for List 2 Cues and that List 1 Cues can still be controlled by the Show Controls once List 1 has been selected. Now **Stop** the Show.

Start Timed List

Initialize the Show and click on the **Chase Timed List** button in Cue List 3 to cancel the function. **Start** the Show and allow it to run beyond 10 seconds.



Click on the **Start Timed List** button. The first Timed Cue Fires when the Timed List Counter reaches its **Go** Time i.e. 10 seconds.

Start Timed List introduces an **Offset** between Show Time and Timed List Time. The entire list is played from the beginning including the time before the first Cue. **Stop** the Show

Fire/Start Timed List

Initialize and **Start** the Show.



Click on the **Fire/Start Timed List** button. The first Timed Cue Fires **Immediately** and the others follow in their proper timed sequence.

Fire/Start Timed List introduces an **offset** between Show Time and Timed List Time. The entire list is played from the beginning of the first Cue disregarding any List time before the first Cue.

Note: If the Showtime is past the start time of the first Cue then the Cue fires immediately the button is pressed.

Pause Timed List

Only available when list has been initiated with **Fire/Start Timed List**.



Click to **Pause** the Timed List. A second click resumes.

Stop Timed List

Only available when list has been initiated with **Fire/Start Timed List**.



Click to **Stop** the Timed List. Resets list to the start.

Conclusion

Congratulations! You have just designed and run your first Show using examples of each of three main types of Cue List.

Ovation has many, many more possibilities including Fades and Interaction Rules. Detailed information on using these are to be found elsewhere in this Guide.



Ovation Concepts

Launching Ovation

Launch Ovation

Double-click the **Ovation** shortcut icon:



Alternatively, click on **Start > All Programs > Merging Technologies > Ovation : Ovation**

Application Delay Launch

This function enables Ovation to be launched automatically at machine startup with a delay to ensure all drivers and services etc. required are available.

To enable automatic launch simply drag the Ovation icon into the **Startup** folder and set the required delay value (in seconds) in the **Show Properties** pane, **Show** section in the **Application Delay Launch** field.

Ovation Media and Commands

Audio

Ovation reproduces Audio Cues via a configurable Mixer through a Horus, a Mykerinos board or a sound card if using Native

MIDI

Ovation outputs MIDI (MMC, MIDI Files and MIDI Commands) to other applications on the same machine or to external devices.

IP Commands

Ovation outputs IP Commands per Cue.

Sony P2 / RS422

Ovation outputs Sony P2 protocol, RS422 commands. (or over ethernet)

GPO

Ovation outputs GPO commands to COM ports.

Shell Commands/Scripts/Batch files

Ovation output Shell Commands/Scripts/Batch files

Automation

Ovation Mixer Snapshots can be triggered.

DMX 512 / CMX Lighting Control

Please see: **DMX Commands** on page 225



Media Management

Ovation uses media files on local storage, removable storage and network storage.

When a new Show is created a folder **Audio Files** is created in the same location.

When a Show is Consolidated (**please see: The Consolidation Process on page 115**) files on the network, files on removable storage or all files used in the show will be collected and copied to the **Audio Files** folder in the Show file location.

Whenever an audio file or files present on removable storage or in a network location are added to a Cue List (by dragging and dropping, using Load Audio File, Replace Audio etc. a dialog appears asking if the user would like the files copied to the **Audio Files** folder associated with the Show.

The Show packaging process collects all the Audio Media and other files associated with a Show (including the Show file and copies them to a new location for back-up purposes or so that a show can be moved to a different Ovation workstation. **Please see: The Packaging Process on page 116.**

Remote Control

Remote Control OF Ovation

Ovation Sequencer & Media Servers can **be controlled** using:

- The Merging Technologies Hardware Controller

and, via the OVController module:

- **General MIDI**
- **9-pin Sony P2 (RS422 protocol) commands**
- **IP commands**
- **GPIs.**

Remote Control BY Ovation

The Ovation Sequencer and Media Server can **control** other devices using:

- **MMC**
- **MIDI files**
- **MIDI Commands**
- **Sony P2 (RS422 protocol) commands**
- **COM Commands**
- **IP Commands**
- **GPOs**
- **Shell Commands/Scripts/Batch Files**

Remote Control of Ovation Mixer

The Ovation Mixer can be controlled by a hardware control surface via EMC or Oasis. The Merging Technologies ISIS controller is not supported.

Multi-Sequencer Synchronization

Multiple Ovations can be synchronized in a variety of ways. Cues on one Ovation can control another Ovation. One Ovation can be mirrored completely on another for full, near instant redundancy.



Creative Possibilities

If, for example an installation requires multiple Ovation sequencers to be set up, typically one for each of various zones where the audience may be moving freely between the zones then it may be desirable to have all the sequencers playing certain Cues in perfect sync. E.g. background music. To achieve the Cue(s) on one Ovation are set as the Master and the identical Cue(s) on all others as Slaves. A common source of time base must be provided to each Ovation, e.g. from GPS TimeCode generators. Any Cue that must be in sync on all machines is set as Master in the Master system and as Slave with the same **token** in the Slaves. All other Cues can be triggered independently in each system providing different event in each zones, but the baseline audio will be in sync across all systems.

Redundancy for Backup

To achieve redundancy with a backup Ovation running an identical show in mission critical situations, it is possible to use the **Controller > Mirror all Commands to Remote Ovation Sequencers** feature. However, this does not ensure sample accurate sync. If sample accurate backup is required some key Cues in both systems can be set as Master/Slave. Typically identical Shows will be running in the Main and Backup machine and any Cues which are to be manually triggered during the show are set as Master in the Main Ovation and as Slave in the Backup. All other Cues which are triggered via rules or timed events do not required to be Master/Slaved, they will be triggered automatically in both systems at the same time by the sequencer engines. However, you can ensure that Cues triggered manually will be synced in the Backup machine by this using the Multi-Sequencer Synchronization feature. If there is a problem with the Main machine and it is necessary to switch to the Backup machine, the audio outputs are simply switched manually to the Backup machine. Subsequent manual control of Cues is done on this machine. It will be in the exact same state as the Master.

Note: The Master Show should be stopped after changeover to the Backup in order to avoid contradictory commands.

Using Multi-Sequencer Synchronization

Before Multi-Sequencer Synchronization can be used IP communication must be configured in both the Master and Slave sequencers.

Please see: TCP/IP Connections on page 156

Multi-Sequencer Synchronization is switched on and global parameters set in **Show Properties**.

Please see: Multi-Sequencer Synchronization Section on page 92.

Parameters for individual Cues are set in **Cue Properties** for each Cue you wish to synchronize.

Please see: **REMOTE CONTROL: Multi-Sequencer Synchronization on page 108**

Ovation Modes

Compose Mode

Shows are designed and assembled in Ovation's **Compose Mode**.

Show Mode

Shows are run in Ovation's **Show Mode**. Clicking on the **Initialize Show** button puts Ovation into Show Mode.

Start Show

Clicking on **Start Show** or pressing the **Start Show** button on the Ovation Keyboard does a number of things:

- Hot Cues and Custom Cues are now available for firing
- Timed lists set to **Show Time** will fire their Cues at the times specified.
- Standard Cue Lists are available for firing.



Show

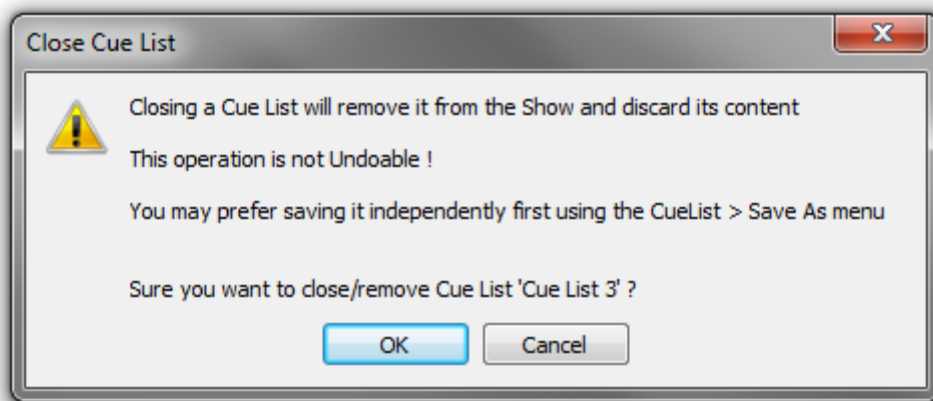
A **Show** is the top level of organization. Shows are saved with the file extension **.ovs**. A **Show** controls and keeps track of all the various elements you are assembling at a given time. A viable **Show** always contains one or more **Cue Lists** which contain one or more **Cues** pointing to **Media Files** or containing **MIDI, GPO, DMX** or **IP** etc. Commands.

Cue Lists

Cue List displays are Modal. I.e. when the Show is not Initialized they are in **Compose Mode**. Once the Show has been Initialized Cue List displays switch to **Show Mode**.

When Ovation is in **Compose Mode** the main area of a Cue List displays a tree structure of all Cues and Child-Cues added to the list. In **Show Mode** the display will depend on the type of Cue List and on choices made in Compose Mode.

Note: If a Cue List is Closed without saving it separately it will be lost. If you try to close a Cue List the following dialog will appear:



Close Cue List Dialog

Multiple Cue Lists

Ovation handles multiple Cue Lists in Shows. The Main window Show Control operates on the currently selected list of whatever type. When the Main window Show Control is controlling a selected Cue list of any type a second **Hot Key** Cue List can be controlled simultaneously via keyboard shortcuts or an external hardware controller. Timed Cue Lists will follow the **Interaction Rules** set-up in Compose Mode unless otherwise affected by the Main window Show Control when a particular Timed List is selected.

Audition

Audio auditions are played via the **Output Slot(s)** chosen in **Settings > Application > General > Audition**.

Selected Cue

The currently selected Cue can be auditioned by clicking on the Cue List **Audition** button or **Cue > Audition/PFL**. Clicking on the small down arrow adjacent to the **Audition** button gives access to the full range of Audition transport controls which are the same as those available in the **Audition Toolbar**. **Please see Audition Toolbar on page 66**

Any Cue can be also Auditioned by double-clicking it. A second double-click stops the Audition.



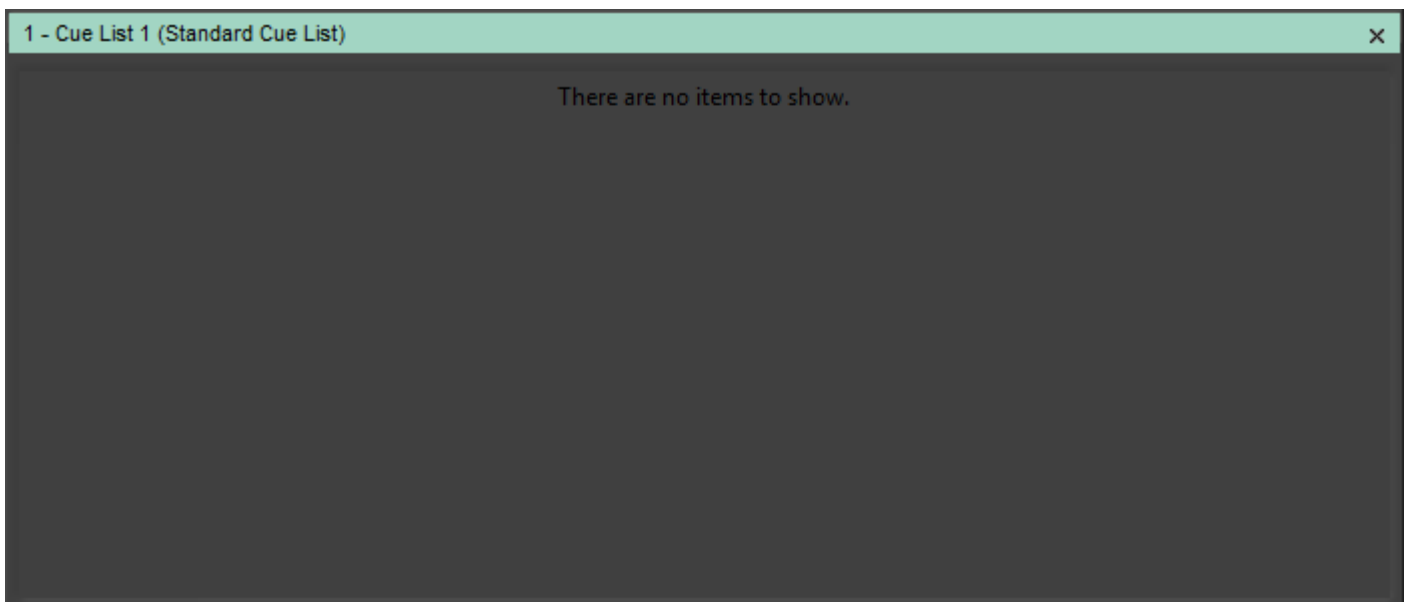
Audition Jump

There are six Audition Jump commands. These commands are available only when Auditioning a Cue and via Keyboard Shortcuts or with a modifier key when clicking on the Rewind and Fast Forward buttons in any Audition Toolbar or on the Ovation Keyboard:

- Audition Jump Forward 1: Jump 1 Second later in time (**Ctrl** + **->** Key or Fast Forward Button)
- Audition Jump Forward 2: Jump 5 Seconds later in time (**Ctrl** + **Shift** + **->** Key or Fast Forward Button)
- Audition Jump Forward 3: Jump 15 Seconds later in time (**Ctrl** + **Shift** + **Alt** + **->** Key or Fast Forward Button)
- Audition Jump Back 1: Jump 1 Second earlier in time (**Ctrl** + **<-** Key or Rewind Button)
- Audition Jump Back 2: Jump 5 Seconds earlier in time (**Ctrl** + **Shift** + **<-** Key or Rewind Button)
- Audition Jump Back 3: Jump 15 Seconds earlier in time (**Ctrl** + **Shift** + **Alt** + **<-** Key or Rewind Button)

Cue List Pane

To open a new, empty **Cue List** pane select **Cue List > New > (required type)** from the menu in the main Ovation window.



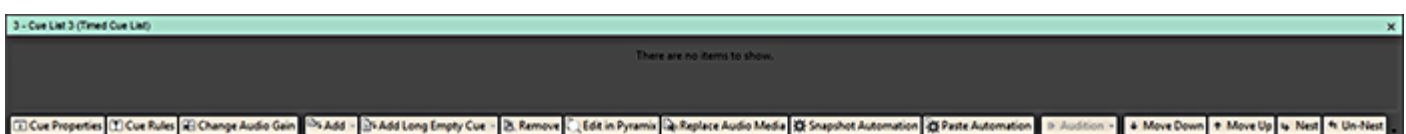
Empty Cue List Pane - Compose Mode

The Title bar is highlighted in pale green when the Cue List is selected. The Top Hat Pin Icon toggles **Auto Hide** mode when the pane is docked.

Edit Toolbar

For people who prefer working with Toolbars an Edit Toolbar is provided. By default it is only visible in Compose Mode and only when the **Cue List > View Edit Toolbar** entry is toggled to show the Toolbar.

Note: The **>>** button to the right of the Toolbar accesses further Toolbar buttons. If the pane is re-sized to a sufficient width, all the Toolbar buttons will be visible thus:



Empty Cue List Pane. Full width Toolbar - Compose Mode

Cue Properties

Opens the **Cue Properties** pane with details of the currently selected Cue



Cue Rules	Opens the Cue Rules pane
Cue Gain	Opens the Cue Gain dialog. Enables the overall Cue Gain to be set
Add	Adds a new Empty Cue to the list. Clicking on the adjacent Down Arrow offers a choice of: <div> <div>Add Short Empty Cue Adds a 1S long empty Cue. Used for triggering.</div> <div>Add Long Empty Cue Adds a 24H long empty Cue. Used for implementing conditional rules.</div> </div>
<hr/>	
Load MTInterChange XML	
Load Audio File	
Import CD Tracks	
<hr/>	
Load MIDI File	
Add Long Empty Cue	Adds a 24H long empty Cue. Used for implementing conditional rules.
Remove	Deletes the selected Cue for the Cue List
Edit in Pyramix	Opens the selected audio Cue in Pyramix.
Replace Audio Media	Opens a browser window. Choose the Audio Media file you wish to use in place of the current one and click on Open .
Snapshot Automation	Opens the Filter Mixer Controls to Snapshot dialog for the selected Cue.
Paste Automation	Pastes the Automation Snapshot from the last Cue Copied to the selected Cue.
Audition	Plays the selected Cue via the Output Slot chosen in Settings > Application Settings > Audition . The drop down gives the standard audition options.
Move Down	Moves the selected Cue Down one position in the Cue List
Move Up	Moves the selected Cue Up one position in the Cue List
Nest	Makes the selected Cue a Child-Cue of the one above it in the list. Cues can be nested as deep as you might reasonably wish. I.e Child-Child Cues etc.
Un-Nest	Moves the selected Cue up a nesting level. If it is a simple Child-Cue then restores this to the top, Cue level.

Cues in Cue Lists

The screenshot shows a window titled "1 - Cue List 1" with a close button. It contains a list of five cues, each with a number, name, status, progress bar, and timing information.

Number	Name	Status	Timing	Output
1	steampasses	Paused	00:00:21 - 00:00:03	A1
2	station	Playing	00:00:34 - 00:00:11	A1
3	trainwhistle	Ready	00:00:06	A1
4	bell	Asleep	00:00:42	A1
5	steampass2	Asleep	00:00:31	A1

Cue Colours - Show Mode

Cue Status

When in Show Mode a Cue in a Standard Cue List can be in one of four states.

Asleep



Ready

Playing

Paused

Cue Status is indicated by a label and the highlight color.

Asleep	Asleep	No highlight
Ready	Ready	Purple highlight
Playing	Playing	Green highlight
Paused	Paused	Yellow highlight

Red Border

The Cue which has the focus has a flashing red border. I.e. this is the Cue which will be affected by the next initiation of any of the Fire, Pause and Stop Buttons, Keyboard Shortcuts and remote control.

Cue Progress

When a Cue is Fired its list entry or (Hot Key Button) displays its progress in three ways.

The left-hand counter shows elapsed time from the start of the Cue.

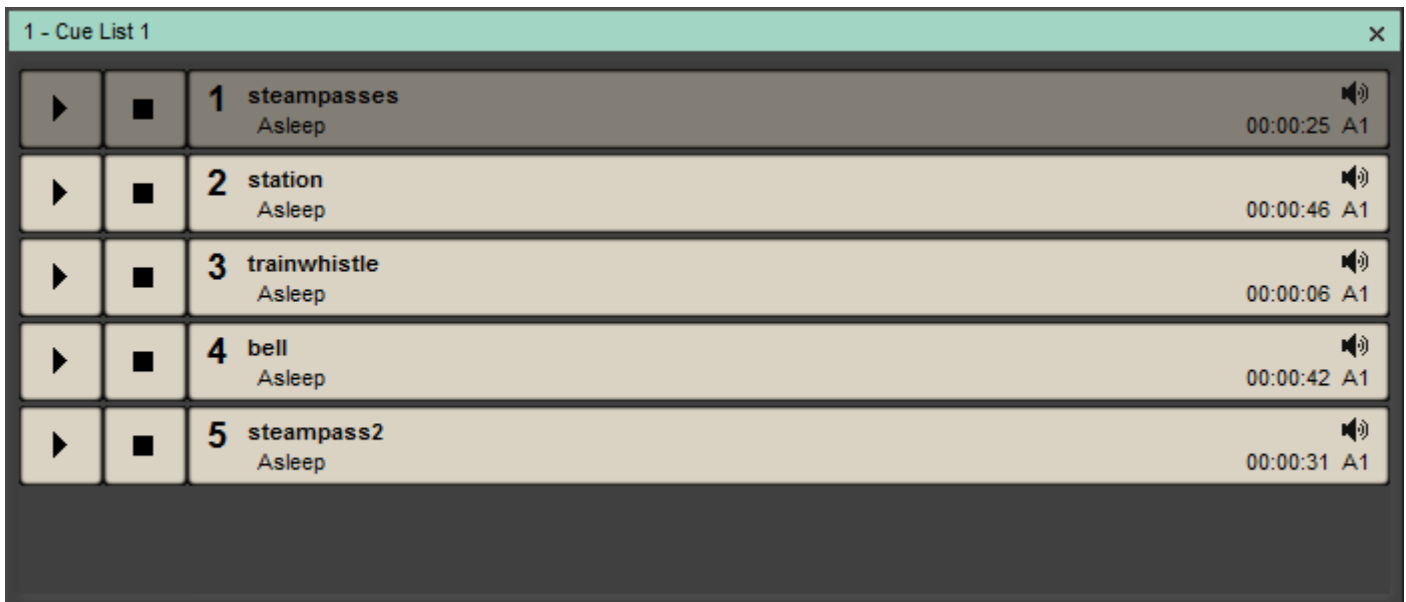
The right-hand counter shows time remaining to the end of the Cue.

A black progress bar moves from left to right as the Cue plays.

When a Cue has been paused and then resumed the progress bar shows progress since the last pause. (As shown above)

Cue Fire Buttons

Cues can each display **Fire/Pause** and **Stop** buttons when in Show Mode:



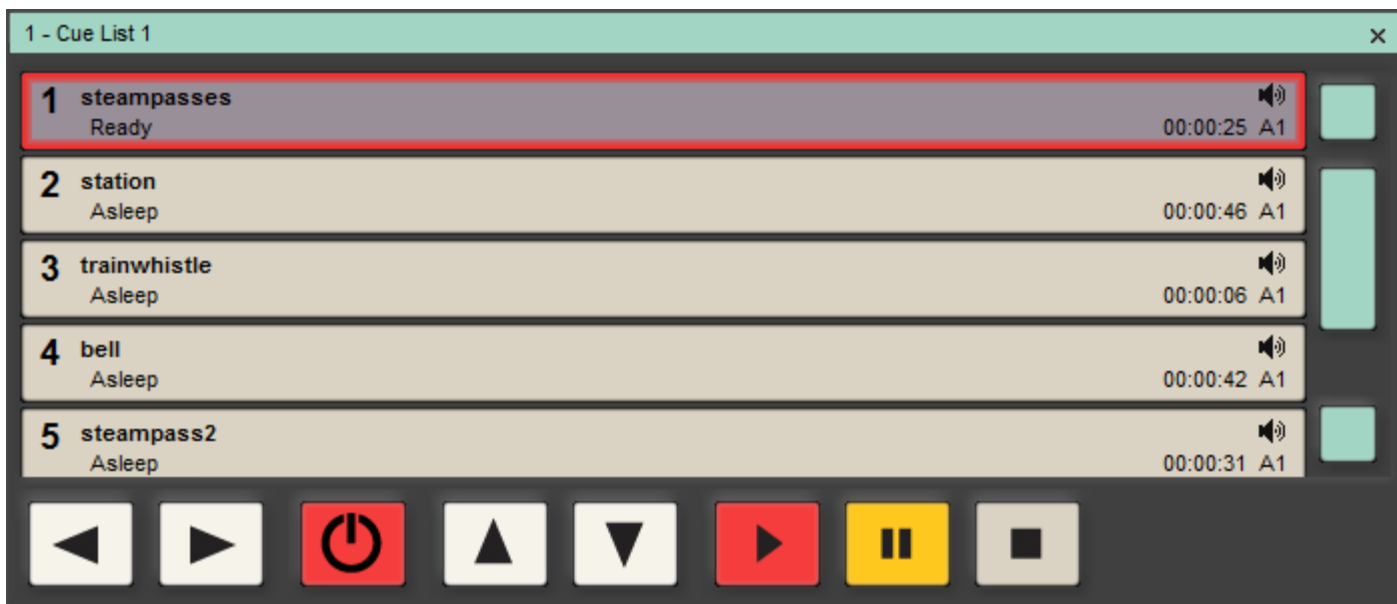
Cue List with Fire Buttons - Show Mode

Cue Fire Buttons are shown in Show Mode when the **Cue Fire Buttons** field is set to **Yes** in the **Show Time Options** section of **Show Properties**.



Fire Toolbar

If the **Fire Toolbar** is selected for a Standard Cue List (**View > View Fire Toolbar**) the Cue List Pane will appear like this in Show Mode when the Show is Ready and Started:



Cue List with Fire Toolbar - Show Mode



Select **Previous Child-Cue** in Cue List



Select **Next Child-Cue** in Cue List



Fire Selected Cue in currently selected Cue List and select next Cue and make **Ready to Fire**



Select **Previous Cue** in Cue List



Select **Next Cue** in Cue List



Fire Selected Cue in Cue List. Cue remains **Ready** to be **Fired Again**



Pause Selected Cue in Cue List



Stop Selected Cue in Cue List

Cue List Types

Standard Cue Lists:



Lists with sequential events manually triggered

Timed Cue Lists:

Lists with Cues that can be automatically triggered at a given time or manually.

Hot Keys Cue Lists:

Lists with Cues that can be triggered anytime with a given Hot Key mode.

Custom Keys Cue Lists:

Lists acting like Hot Keys Lists but where Cues buttons can be customized.

Cue Browser Lists:

Lists showing only Cues reflecting the content of a folder in the file system or network.

Hot Browser Cue Lists:

Lists acting like Browser Lists but Cues are fired with a single click and Cues cannot be dragged out to other Cue Lists. Typically to be used as an Audio file player.

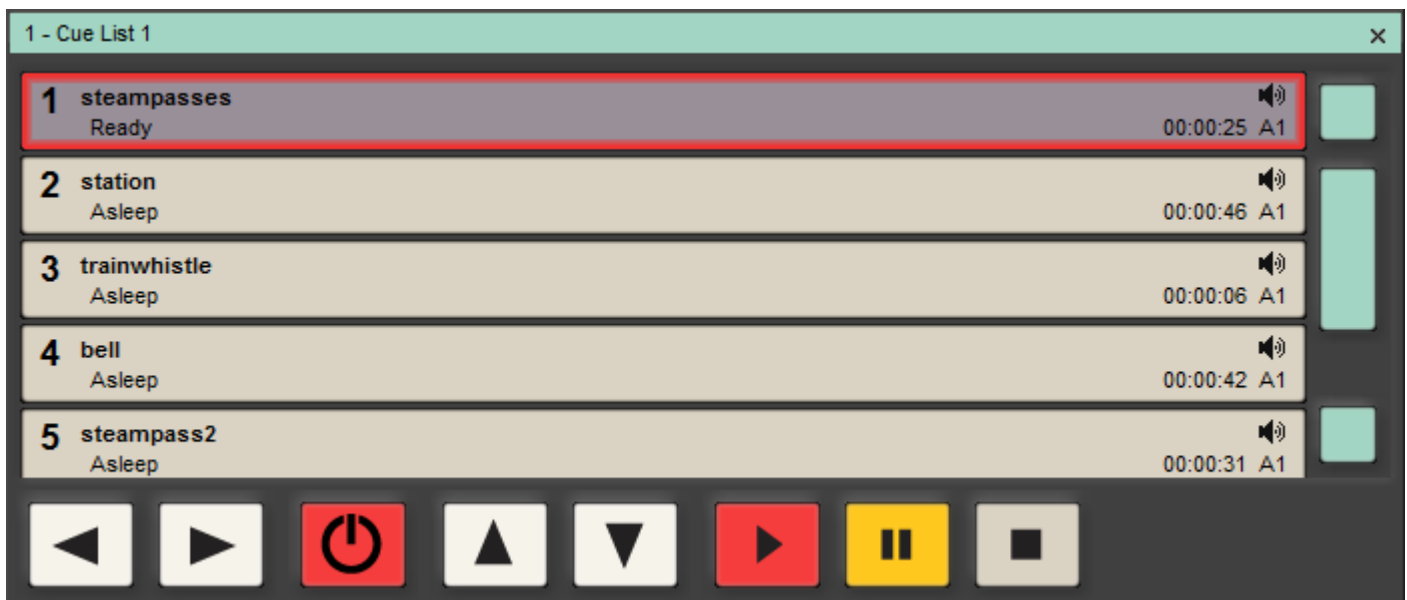
Cue List Detail

Selecting Cue Lists

Cue Lists can be selected by:

- Clicking on them
- Using the **Tab** key to cycle through all available Cue Lists (Or the **Select Cue List** button on the Ovation keyboard.
- In Show Mode by holding down a **Ctrl** key and pressing a **Hot Key** trigger button. (1-48 on the Ovation Keyboard, 1-0 on the PC Keyboard with standard mapping.)

Standard Cue List



Cue List Pane with Show Control - Show Mode

This can be thought of as the “basic” mode. Cues can be Fired and Paused or Stopped from the main panel **Show Control** buttons when the Cue List is selected, from the **Active Cue** panel buttons and from the Toolbar buttons in the Cue List pane itself.



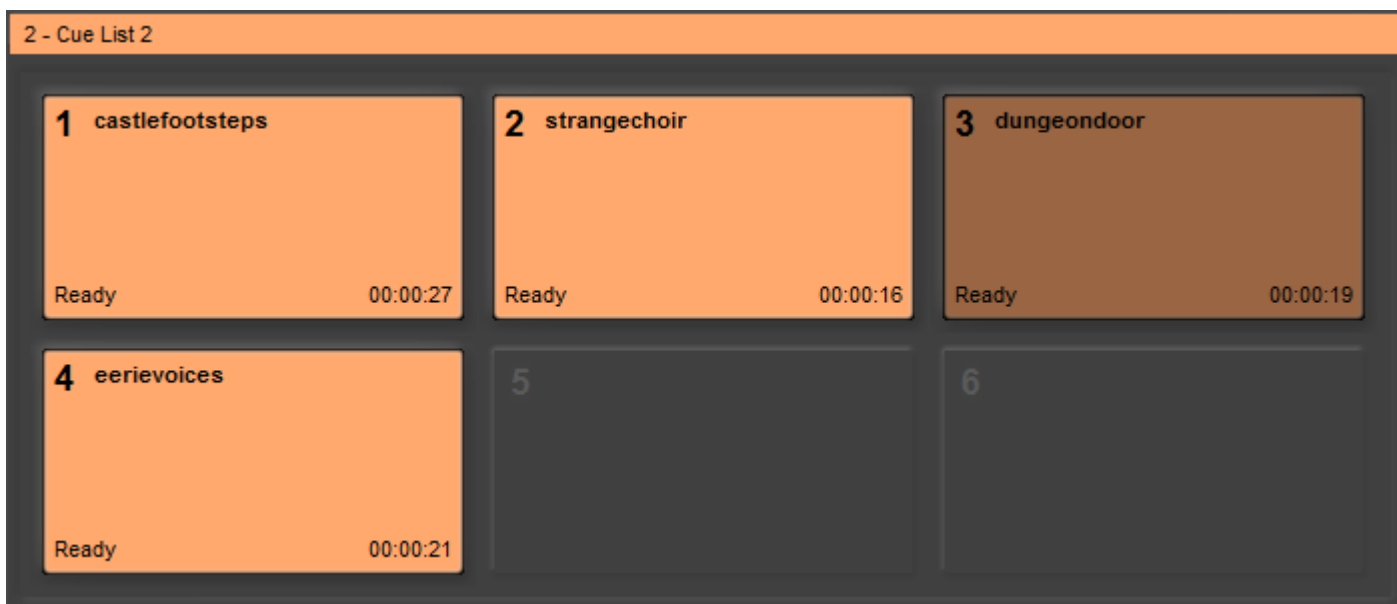
Timed Cue List



Timed Cue List - Show Mode

Once started, Cues with **Go Times** defined will follow a pre-determined time sequence. Cues can still be manually Fired or started from the **Show Controls**.

Hot Keys Cue List



Hot Keys Cue List Pane - Show Mode

This Cue List presents each Cue as a Fire button when in Show Mode. Used for spot effects this mode is commonly used with keyboard short-cuts or an external hardware controller. Cues in a Hot Key Cue List can also be fired from the Show Controls.

Stopping Hot Cues

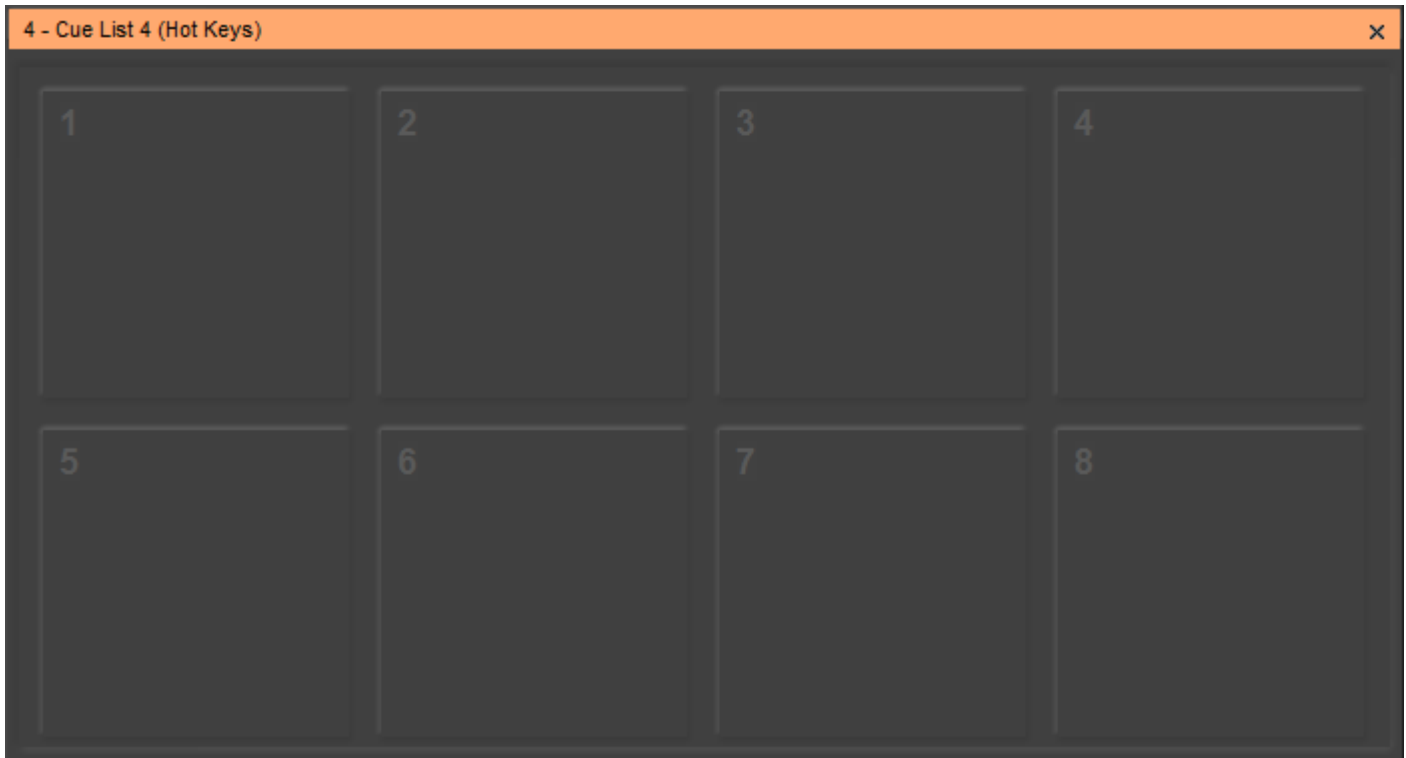
To Stop a **Hot Cue** while playing **Alt + Click** it. Double-Click would be too dangerous!

Hot Keys Cue List Design Mode

Hot Keys Cue Lists have a Hot/Custom Keys Design Mode to enable Cues to be arranged in the Hot Keys View (see details below). To enter this mode either right-click on the Cue List to open the context menu and choose **Hot/Custom Keys > Hot/Custom Keys Design Mode** or, if you prefer, select it on the **Cue List** menu.



The Hot Keys slots are always displayed on a grid whether they contain a Cue or not:



Hot Keys Cue List Pane - Design Mode

Note: Slots are kept square automatically whenever possible.

- Hot Keys Numbers follow the Hot/Custom Keys Design Mode setting:
- If the Cue List is in Automatic Cue Numbering Mode then all Cues are displayed in the Hot Key view one after another reflecting their standard Cue List ordering. In this mode the Cues arrangement is automatically computed and cannot be manually changed in Hot/Custom Keys Design Mode.
- If the Cue List is **NOT** in Automatic Cue Numbering mode then the Cues are displayed in the Hot Key slot corresponding to their Cue Number. The Cue Number can be changed in the Cue Properties pane or by drag and dropping Cues directly in the Hot Keys view when in Hot/Custom Keys Design Mode.

Hot Keys Columns

The Number of Columns displayed in the Hot Key View can be set manually:

This setting is available in the **Cue List Properties** pane in the **Hot Keys** section.

When the Number of Columns is set to **Auto** then the system automatically adjusts the number of columns depending on the size of the Cue List pane, but still follows the Automatic Cues Numbering setting and leaves empty slots if necessary.

Hot Keys Column to Audio Slot Mapping

Hot Keys Columns can be Mapped to Audio Slots Mapping in the Cue List Properties Hot keys section:

- If set to **No** all Cues are played back in the Audio Output Slot defined in their Cue Properties.
- If set to a number (**1, 2 or 6**) then the Cues are played back in an Audio Slot corresponding to the Hot Keys Column. In this way Hot Keys Cues can be assigned to Audio Output by the Column in which they are placed.

Note: In this mode the actual Audio Output Slot(s) is computed as Cue Column Number multiplied by the number selected in the **Hot Keys Column to Audio Slot Mapping** field. This enables Mono (1), Stereo (2), Surround (6) Cues to be handled.



Triggering Hot Keys

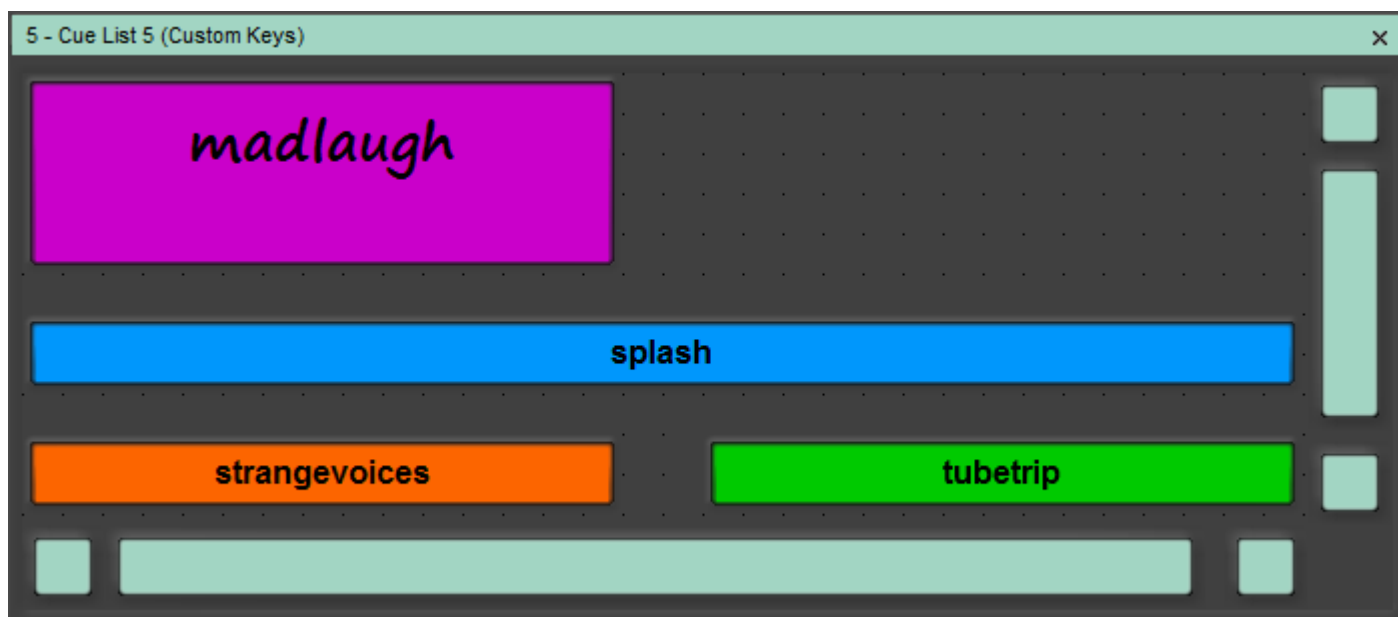
The Hot Keys that can be triggered either by the Ovation dedicated Keyboard, any installed Controllers or the Keyboard ShortCuts (Hot Key 01 to 48)

Note: If the **Ctrl** key is pressed with the trigger button then the Cue is selected rather than fired. If **Ctrl + Shift** is pressed with the trigger button then the Cue List with this number is selected.

Only Selects the given Cue (no Fire) if **Ctrl** is pressed

Selects the Cue List having this number if the **Ctrl + SHIFT** key is pressed when called.

Custom Keys Cue List



Custom Keys Cue List Pane - Design Mode

Functionally identical to the **Hot Keys** Cue List but you can custom design the fire buttons in terms of shape, color, text color, font and font size as well as position. Like Hot Keys Cue Lists when in **Show Edit Mode** the Custom Keys Cue Lists are still displayed as standard Cue lists for simple Cue management. However, there is the further option of Custom Keys Design Mode:

Custom Keys Design Mode

To enter this mode either right-click on the Cue List to open the context menu and choose **Hot/Custom Keys > Hot/Custom Keys Design Mode** or, if you prefer, select it on the **Cue List** menu.

Click on a button to modify it. Click and drag the black boxes to re-size the button and click and drag anywhere on the button to move it to a new location. The dots on the background represent a grid and all re-sizes and moves snap to the grid. On the Custom Keys sub-menu you will find commands to **Snap all Keys on Grid**, **Reset all Keys Position** and **Reset all Keys Size and Position**. (**Snap all Keys on Grid** is provided for quick alignment if the grid size is changed.)

Note: Cues in standard Cue Lists can have the font and label background customized.

Grid Size

To adjust the grid size open the **Cue List Properties** pane and change the value in the **Custom Keys Grid Size** field in the **Custom Keys** section.

Color and Font

To change colors or the font for the selected button open the **Cue Properties** pane. Locate the **Custom Key** section. In the **Custom Color** field Colors can be changed directly by entering RGB color values numerically. Or click on the ... button on the right of the field to open a color picker. Standard and custom colors are provided. Similarly,

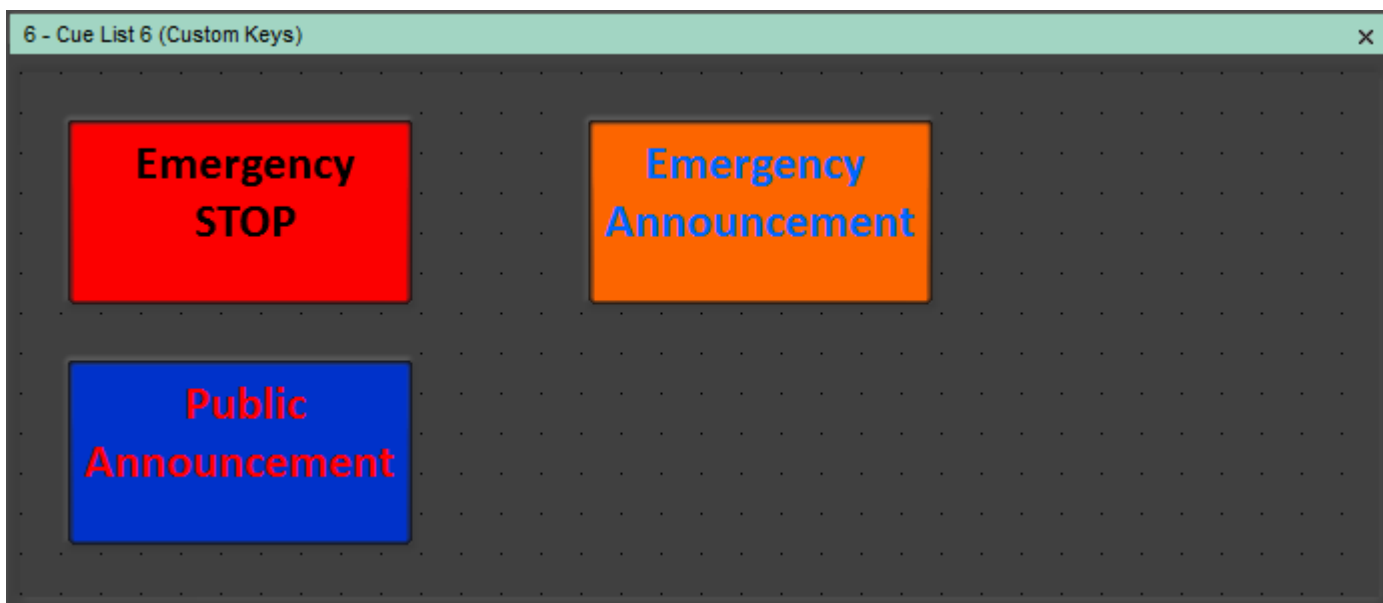


to change the font color use the **Custom Font Color** field. Click in the **Custom Font** field to change the font attributes. Clicking on the ... button opens a standard font dialog where any font installed on the system can be selected, the font style, Regular, Italic, Bold or Bold Italic can be set and the font size selected.

Justification

When no **Custom Font** is defined the button text is Left justified as with all other Cues. When a **Custom Font** is set, then there is a high probability that the button will have a “graphical meaning”. Therefore the text is automatically centered and multiple lines are allowed to attempt to fit as much text as possible in a large button.

Typically this is used for Cues such as:

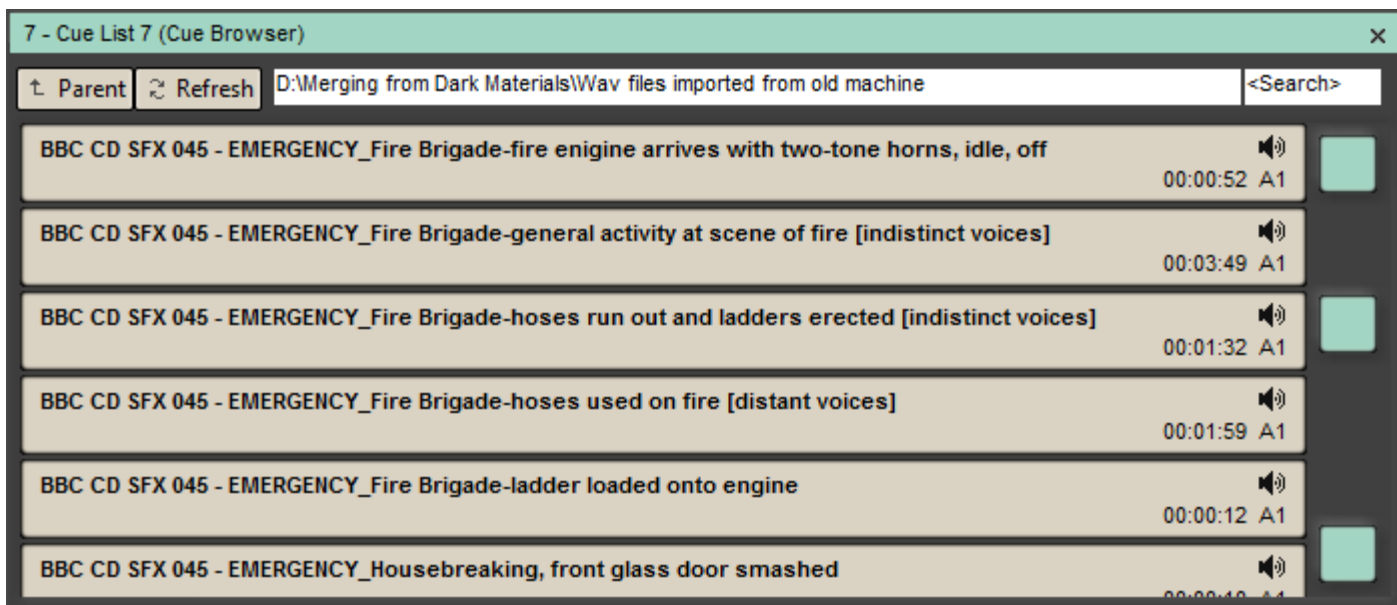


Custom Keys Cue List - Show Mode Custom text

Note: If the Cue List is set to non-**Automatic Cue Numbering** Mode (**Cue List Properties : Automatic Cue Numbering** field set to **No**) then the Numbers of all Cues in the Custom Keys Cue List can be set to nothing if irrelevant as in the example above. This is the default condition for Custom Cue Lists.

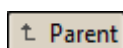


Cue Browser Cue List



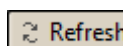
Cue Browser Cue List

This special type of Cue List enables Media Files to be browsed, auditioned, copied and pasted as Cues into other Cue Lists from within the main Ovation interface. The chunky scroll bars are to facilitate touch-screen use.



Parent

Parent moves up one level in the folder hierarchy.



Refresh

Refresh refreshes the list as with a normal Windows Browser.

Double-clicking a Media File in the list plays the file.

Cues are always played in Audition mode regardless of whether the Show is running. All other Toolbars are disabled for this type of Cue List.

The Cue Browser is very useful for searching Cues then copying/pasting them into other (standard) Cue Lists. The right-click context menu enables copy and paste.

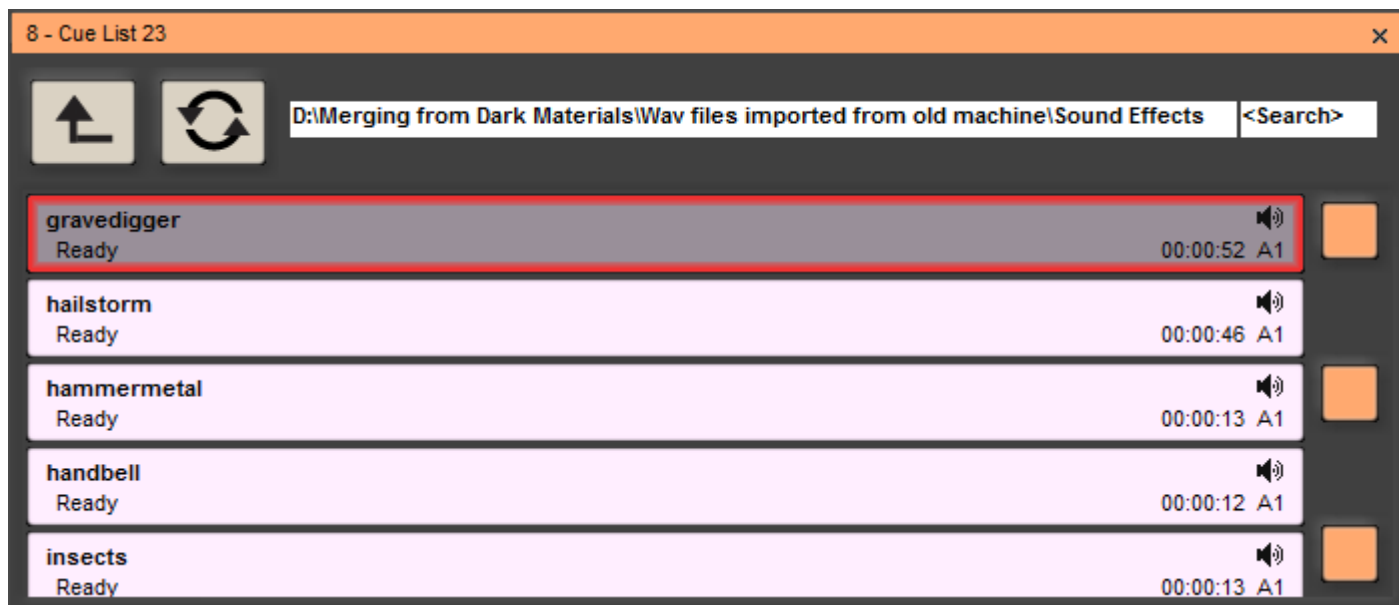
Search Cues Function

The Browser and Hot Browser Cue Lists have a **<Search>** text box on the right side of the path name to search/filter files. This operates in the same fashion as search in Vista Explorer:

- If nothing is typed in, the content of the current folder is displayed, including sub-folder names.
- If something is typed in, all files containing this text in their names are displayed, INCLUDING those in sub-folders recursively, but the sub-folder names are not displayed.
- When searching for files, the Comment field is automatically populated with the Path Name where the files have been found.



Hot Browser Cue List



Hot Browser Cue List

The **Hot Browser** Cue List is very similar to the **Browser** Cue List with these important differences:

- A **SINGLE** click fires the Cue.
- A single click on a Playing Cue **Pauses** the Cue
- A single click on a Paused Cue **Restarts** the Cue from the point at which it was paused
- Double-clicking a Playing Cue Stops the Cue
- Cues cannot be dragged to other lists or be copied and pasted.
- The **Parent** and **Refresh** buttons are bigger to facilitate touch screen operation.



Parent moves up one level in the folder hierarchy.



Refresh refreshes the list as with a normal Windows Browser.

Note: The **Hot Browser** Cue List type will typically be used as an Audio file player.

Cues

A **Cue** is a set of instructions to perform actions. These actions can be on a Media file (or files if multi-channel/ multi-media, Pyramix Compositions etc.) or can send instructions to external or internal devices. For example to turn mic inputs on and off or to change a Mixer Snapshot. A **Cue** does not have to play an entire Media File. Via the **Cue Properties** Pane the **Length** can be set to anything up to the entire Cue and the starting point can be **Offset** to any point within the Media File.

The **Cue Trimmer** option in the **Active Cue** window provides a quick and easy method of adjusting **In** point, **Out** point and **In** and **Out** fades. **Please see: Cue Trimmer on page 78**



Cue Icons



Cue Type Icons

Cues have dedicated icons when each of the Audio, Microphone Input, TimeCode Generator, MMC, MIDI File, MIDI Command, Sony P2/RS422, GPO, Shell Command and Mixer Snapshot options are enabled for the Cue.

Selecting Cues

Cues are selected by clicking on them. Multiple Cues are selecting in the usual Windows fashion. **Ctrl + Click** toggles selection of individual Cues while retaining previous selections. To select a contiguous range **Click** on the first Cue then **Shift + Click** on the last to select a contiguous block.

Cues can also be selected by holding down the **Ctrl** key and pressing one of the Hot Key buttons on the Ovation Keyboard or the PC keyboard.

Moving and Copying Cues

Once selected Cues can be moved or copied using the standard Windows shortcuts. e.g. **Ctrl + C** copies, **Ctrl + V** pastes etc. Cues can also be moved between Cue Lists by simple 'drag and drop'. Drag and drop with **Ctrl** copies. Drag and drop with **Alt** replaces the audio in the target Cue with the audio in the source Cue. Audio files can be dragged and dropped from Windows Explorer for easy Cue insertion.

Cue / Cue List Context Menu

Right-clicking on a Cue or blank area in a Cue List opens a context menu with the following options:

Undo (last undoable action)

Cut

Copy

Paste

Cue Properties	Toggles the Cue Properties pane open or closed
Cue Rules	Opens the Interaction Rules dialog
Cue Audio Gain	Opens a window with an Audio fader. This adjusts the gain for the entire Cue. Click OK to accept the change or Cancel to reject.

Add Cue>

Add Short Empty Cue

Add Long Empty Cue

Load MTInterChange XML

Load Audio File

Import CD Tracks Opens the **Import CD** dialog. **Please see: CD Tracks Import on page 46**

Record Audio as New Cue Opens the Record Audio dialog. **Please see: Recording on page 57**

Load MIDI File

Remove

Edit in Pyramix Opens the Cue in Pyramix ready for editing.

Record Audio Opens the **Record Audio** dialog. **Please see: Recording on page 57**

Replace Audio Media (Only present for a Cue containing Audio.) Opens a Browser window to select an alternative Audio Media file to replace the current one for the selected Cue.



Snapshot Automation	Takes a snapshot of the mixer state. This will be recalled by the Cue.
Paste Automation	Applies the automation snapshot on the Clipboard to the selected Cue.
Change Audio Gain	Opens the Cue Gain fader window
Edit Rules	Opens the Cue Interaction Rules dialog
Add Rule >	Drops down a list of Rules which can be applied to the Cue directly
	Fire Next Cue when Ending Fire Next Cue when Stopping Fire All Child Cues when Starting
	Stop Previous Cue when Starting Loop (Fire Itself when Ending Loop between Markers (Fire Itself between Markers
	Dim All Cues when Starting
	Select Next Cue when Starting
Audition/PFL	Plays Cue through selected Audition output(s) For non media Cues behavior varies.
Audition >	
	Start Rewind Stop Play/Pause Fast-Forward End
	Jump Forward 1 Jump Forward 2 Jump Forward 3 Jump Back 1 Jump Back 2 Jump Back 3
Pin/Unpin to Active Cue Window	Sets the Cue Pinned or Unpinned . With Pin active in the Active Cue Window-when Pinned the Cue will appear in the Active Cue Window when selected. When unpinned it won't.
Lock in Active Cue Window	When Lock is active in the Active Cue Window selecting this will substitute the selected Cue for the locked Cue in the Active Cue Window. (Alt + Click on a Cue has the same effect.)
Move Down	
Move Up	
Nest	
Unnest	
Hot/Custom Keys	
	Hot/Custom Keys Design Mode
	Snap all Keys on Grid



Reset all Keys Position

Reset all Keys Size and Position

Fire

Pause

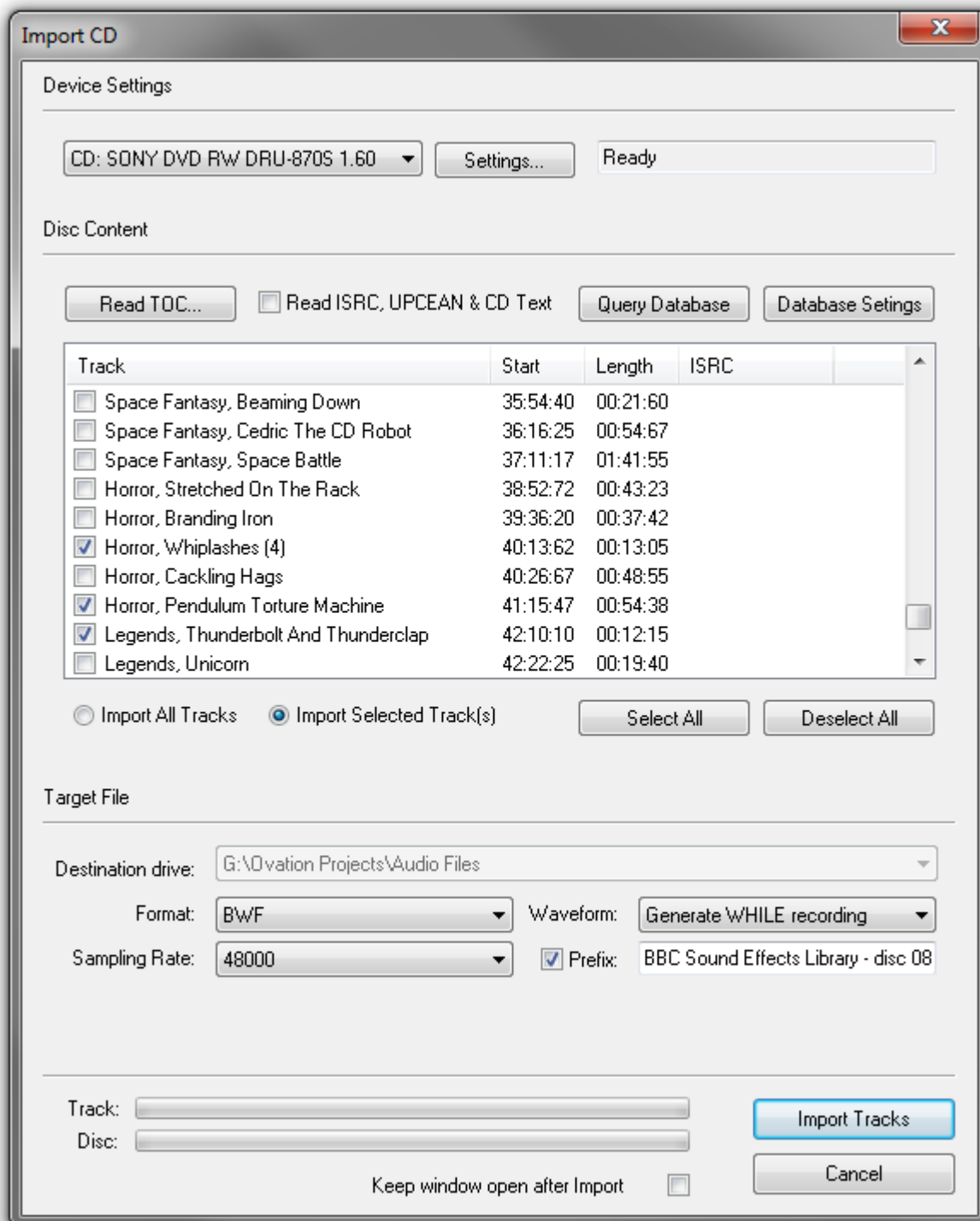
Stop

Cue Properties

CD Tracks Import

Ovation has comprehensive CD import functions.

Selecting **Cue > Add > Import CD Tracks** from the **Cue** Menu or the Cue / Cue List context menu opens the **Import CD** dialog.



The **Import CD** dialog box is used to import tracks from a CD. It contains the following sections:

- Device Settings:**
 - CD: SONY DVD RW DRU-870S 1.60 (dropdown menu)
 - Settings... (button)
 - Ready (text field)
- Disc Content:**
 - Read TOC... (button)
 - ☐ Read ISRC, UPCEAN & CD Text (checkbox)
 - Query Database (button)
 - Database Settings (button)
- Track List:**

Track	Start	Length	ISRC
<input type="checkbox"/> Space Fantasy, Beaming Down	35:54:40	00:21:60	
<input type="checkbox"/> Space Fantasy, Cedric The CD Robot	36:16:25	00:54:67	
<input type="checkbox"/> Space Fantasy, Space Battle	37:11:17	01:41:55	
<input type="checkbox"/> Horror, Stretched On The Rack	38:52:72	00:43:23	
<input type="checkbox"/> Horror, Branding Iron	39:36:20	00:37:42	
<input checked="" type="checkbox"/> Horror, Whiplashes (4)	40:13:62	00:13:05	
<input type="checkbox"/> Horror, Cackling Hags	40:26:67	00:48:55	
<input checked="" type="checkbox"/> Horror, Pendulum Torture Machine	41:15:47	00:54:38	
<input checked="" type="checkbox"/> Legends, Thunderbolt And Thunderclap	42:10:10	00:12:15	
<input type="checkbox"/> Legends, Unicorn	42:22:25	00:19:40	
- Import Options:**
 - ☐ Import All Tracks
 - ☒ Import Selected Track(s)
 - Select All (button)
 - Deselect All (button)
- Target File:**
 - Destination drive: G:\Ovation Projects\Audio Files (dropdown menu)
 - Format: BWF (dropdown menu)
 - Waveform: Generate WHILE recording (dropdown menu)
 - Sampling Rate: 48000 (dropdown menu)
 - ☒ Prefix: BBC Sound Effects Library - disc 08 (checkbox and text field)
- Track and Disc:**
 - Track: (text field)
 - Disc: (text field)
- Buttons:**
 - Import Tracks (button)
 - Cancel (button)
- Keep window open after Import:** ☐ (checkbox)

CD Import dialog

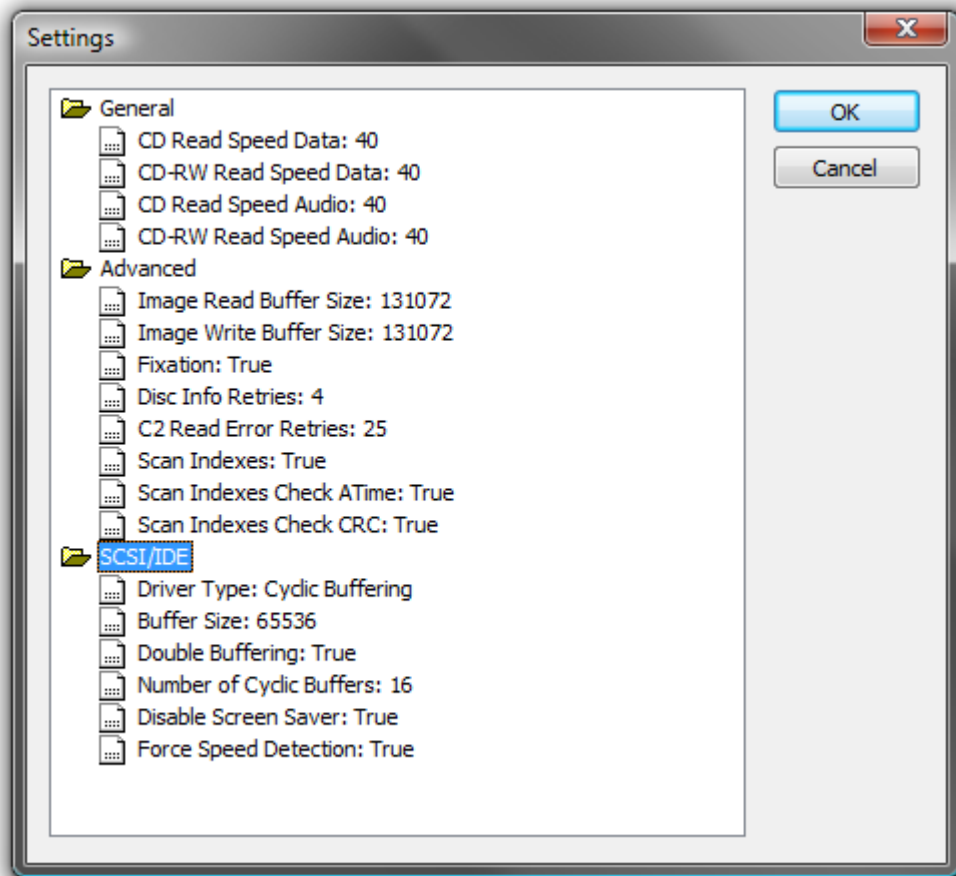
Device Settings

The combo box drop-down list shows all suitable drives on the machine.



Settings

The **Settings** button opens a dialog box with specific drive settings. These settings may be altered if required by clicking on an entry and typing a new value in the box.



CD Import Settings dialog

Status

The field to the right of the **Settings** button shows pertinent information about the CD import process.

Disc Content

Read TOC...

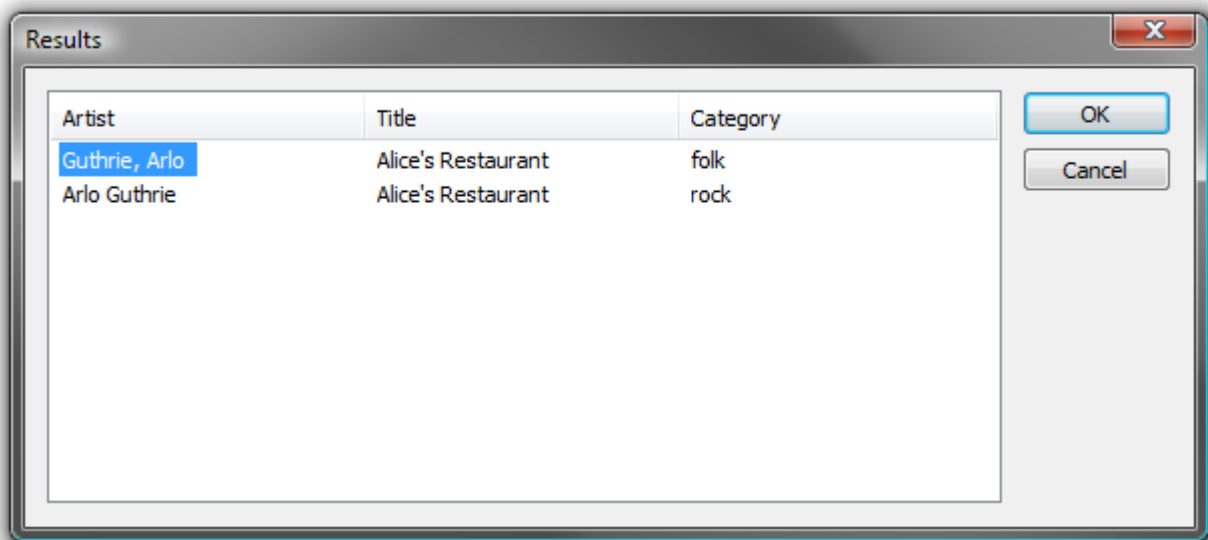
Click the **Read TOC** to read the Table Of Contents on the CD. The tracks are listed in the pane below.

Read ISRC, UPCEAN & CDtext When checked this information will also be read, if present.



Query Database

Click to use an online database to obtain track names and other data about commercial CDs. Results are shown in a dialog :



CD Import Query Database results dialog

If multiple disc titles are shown, click on the appropriate one to select it then click on **OK** to import the data. The disc name is automatically entered in the **Clip Prefix:** field.

Database Settings

Click to access a dialog where the database address and other settings can be changed:



CD Import Database Settings dialog

Default settings are shown above. To change a setting, click on the entry and type. Click **OK** to save the edited settings. **Defaults** restores the default settings and **Cancel** closes the dialog without making changes..

Import All Tracks

When active all tracks on the CD will be imported regardless of individual selections in the track list check boxes.

Import Selected Track(s)

When active only the tracks selected (ticked in the track list) will be imported.

Select All

Click the button to select all tracks in the list.

Deselect All

Click the button to deselect all tracks in the list.

Target File

Destination Drive:

Information only. Shows the folder where the resulting files will be placed.

Format:

Shows the format selected and offers the choice of :



PMF, SD2, AIFF, FLAC, Ogg Vorbis, MP3/MPEG-1/2 Audio, MP4/AAC, DSDIFF, DSDIFF Edited Master, Virtual Tape, Wave, BWF, CD Image, MTFF, Digital Release, OMF.

Waveform:	Offers the choice of Generate WHILE recording , Generate AFTER recording or None .
Sampling Rate	Offers an extensive choice of sampling rates for the imported tracks. CD tracks are sample rate converted automatically on import if anything other than 44.1 kHz is selected.
Prefix	When checked a prefix will be added to each imported track. This defaults to the CD title but any desired prefix may be typed in the field when the box is checked.
Track	Bar illustrates progress bar for each imported track
Disc	Bar illustrates import progress of all selected tracks or the entire disc.
Import Tracks	Click to initiate the import process.
Cancel	Click to abort an import in progress or to close the dialog without importing.
Keep window open after Import	When checked the CD Import window remains open, e.g. for further imports, after the import is completed. The Prefix label field will be grayed out when this option is selected.
Keep open keeps the CD Import window open after the import is completed and grays out the Prefix field.	

Cue Capabilities

A Cue is a container object for commands to initiate or respond to actions, e.g. Play a Media file or run a Batch File etc. Cues can have single or multiple functions. There is only one Cue type covering all capabilities.

Audio

A Cue can trigger playback of mono, stereo or multi-channel audio media files. It can also trigger playback of Pyramix Compositions which may contain many elements.

TimeCode Generator

A Cue can output LTC to any suitably equipped device.

Choose a suitable Serial Port in the TimeCode generator section of the Properties panes.

MTC

A Cue can send MTC (MIDI TimeCode) to any suitably equipped hardware or software device.

Choose a suitable MIDI Port in the TimeCode generator section of the Properties panes. (Remember, the Cue setting overrides the Cuelist setting which, in turn, overrides the Show setting.)

MMC

A Cue can send MMC (MIDI Machine Control) commands to any suitably equipped hardware or software device.

Choose a suitable MIDI Port in the MMC section of the Cue Properties pane and enter the start time.

Fire sends an MMC **Play** command, **Pause** an MMC **Pause** command and **Stop** an MMC **Stop** command.

MIDI File

A Cue can transmit a MIDI file to any suitably equipped hardware or software device.

Choose a suitable MIDI Port in the MIDI File section of the Cue Properties pane and enter a path to the MIDI file you wish to transmit.

When the Cue is made **Ready** the MIDI file is loaded. **Fire** **Plays** the MIDI file, **Pause** will **Pause** the **MIDI** file and **Stop** will **Stop** playing the MIDI file.



MIDI Command

A Cue can send General MIDI Commands to any suitably equipped hardware or software device.

Sony P2 / RS422

A Cue can send Sony P2 / RS422 commands to any suitably equipped hardware device. This includes a VCube either running in the same machine as Ovation or on a remote machine. **Please see: Sony P2 over IP 0 on page 161**

Fire sends a Sony P2 **Play** command, **Pause** sends a Sony P2 **Jog(0)** command and **Stop** sends a Sony P2 **Stop** command.

IP Command

Data to be output can be added in the filled in the **Cue Properties** pane (unique to every Cue). IP command format can be ASCII or HEXA (Hexadecimal). The IP Output port can be selected.

GPO

A Cue can send GPO commands via a serial port and adaptor to any suitably equipped hardware device.

Please see: GPO on page 163 and GPO Section on page 104

Shell Commands/Scripts/Batch files

Please see: Shell Command / Script / Batch Section on page 105

Microphone Switch

A Cue can switch mixer inputs from replay to mic for the duration of the Cue. This operates within a 24 hour window. **Please see: Microphone Switch Section on page 101**

Mixer Automation

A Cue can trigger an automation snapshot which is applied to the Ovation mixer. **Please see: Snapshot Automation on page 51**

REMOTE CONTROL: General MIDI Command

Individual Cues can be remote controlled from General MIDI Commands. **Please see: REMOTE CONTROL: General MIDI Command on page 106.**

REMOTE CONTROL: IP Command

Individual Cues can be remote controlled from IP Commands

REMOTE CONTROL: Multi-Sequencer Synchronization

Individual Cues can be synchronized on secondary Slave or Master machines. **Please see: Multi-Sequencer Synchronization on page 29**

REMOTE CONTROL: Dataton Synchronization

Individual Cues can be synchronized with Dataton video player timelines.

Empty Cues

Empty Cues can be created by clicking on the **Add** button or from the menu **Cue > Add > Add** or from the right-click Cue context menu. Empty Cues can have Media or Commands added subsequently so that Cue Lists can be constructed before the media is available. Empty Cues can also be used in conjunction with Cue Rules to construct complex interactions.

Compound Cues

A single Cue can contain instructions to do many things at once. For example, play an Audio Media file and dim the lights. To add functions to a Cue simply set the required options in the various sections of the Cue Properties pane.



Scenes

Cues can be nested, many layers deep if required. For operational convenience the top level is referred to as a **Scene**. In, for example, theatre work, if all the Cues and Child-Cues associated with scenes are nested under single top-level Cues then the Scene buttons enable quick changes between these Scenes whereas the Cue navigation buttons will step through each Child-Cue.

Mixer

Each Show on each Ovation has an Audio Mixer associated with it. This is configurable to suit local requirements.

Cue based Snapshot Automation is available. **Please see: Snapshot Automation on page 51**

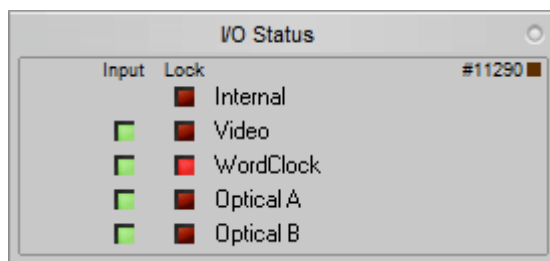
Please see the **Mixer** Chapter in the Pyramix User Manual for details of all the manifold configuration options.

Note: For the present, before you can add Strips and effects etc. you may have to **Initial-ize** the current Show, **Start** it and **Stop** it before the mixer can be rebuilt to reflect the required configuration.

Sync Source Considerations

Under construction

I/O Status Window



OV Player I/O Status Window

This window shows useful information about input and synchronization status.

Input sources

All the possible input sources are shown, each with an associated red and a green light. The green lights show the presence of a valid digital signal (This does not necessarily mean that the sampling rate of this input matches the current Ovation clock source). When the red light is on and steady, Ovation is using this input as it's clock reference and is successfully locked up.

Default Clock Source

If Ovation is set up to lock to an external clock source but cannot get a valid signal from this source, it will switch to Internal clock. In this case the red light associated with Internal will be on, and the red light associated with the intended clock source will be blinking.

Sampling Rate Mismatch

If Ovation is set up to lock to an external clock source and the sampling rate set in the Ovation Mixer does not match the sampling rate of the clock source, the green light associated with the clock source will be on, but the red light will be blinking showing the sampling rate mismatch.

Snapshot Automation

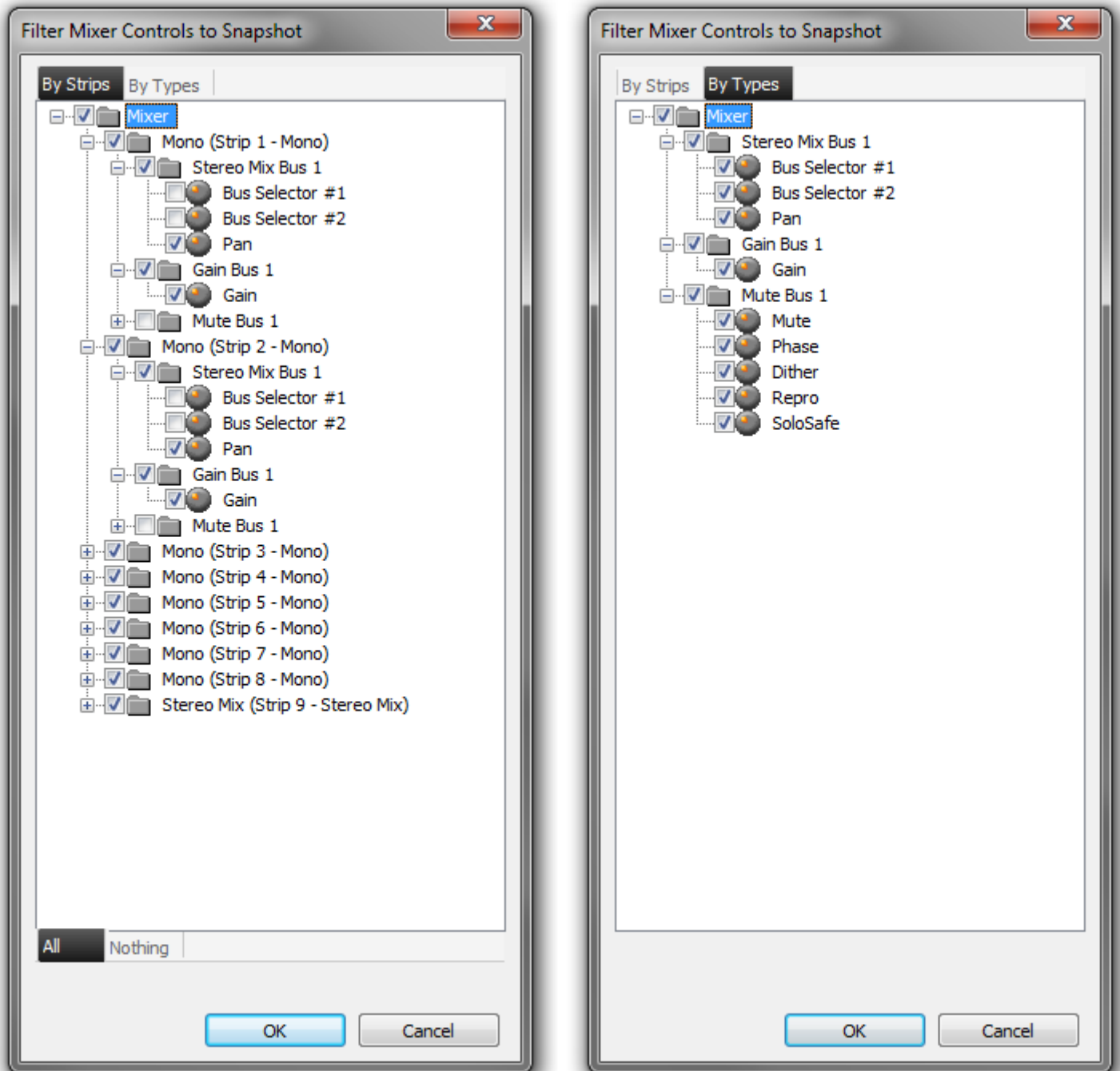
Any Cue can store a Mixer Snapshot and recall it when the Cue is fired. The snapshot changes to the mixer can be implemented when the Cue is fired instantly, over the entire length of the Cue linearly or over a user-defined time period linearly.



Store a Snapshot

- Select the Cue to which you wish to add a Snapshot.
- Set the mixer control(s) to be affected by the Snapshot to the required values.
- Open the **Cue Properties** pane (if not already visible)
 - In the **Mixer Automation > Type** field click in the ComboBox and select **Snapshot**, or
 - **Cue > Snapshot Automation**, or
 - In the right mouse button Cue context menu choose **Snapshot Automation**.

Any of these actions will open the **Filter Mixer Controls to Snapshot** dialog:



Filter Mixer Controls to Snapshot dialog

This dialog is similar to the Pyramix dialog. The **By Strips** and **By Types** buttons switch between the two views.

Note: Switching between views restores selections to the default. I.e. All selected.



By Strips

In this view every automatable control in the current mixer is displayed in a tree structure. Ticked boxes include the control or group of controls in the snapshot.

The **All** button ticks every box.

The **Nothing** button unticks every box.

- Select the mixer controls to be included in the snapshot.
- Click on **OK** to record the snapshot and close the dialog.

Erase a Snapshot

- Select the Cue from which you wish to remove a Snapshot.
- Open the **Cue Properties** pane (if not already visible)
- In the Snapshot field click in the **Type** ComboBox and select **None**

Glide

When a Cue containing a Snapshot is Fired any changes are applied instantaneously by default. This behaviour can be modified. Options are: over a user-defined time period linearly or over the entire length of the Cue linearly.

To modify the default behaviour:

- Open the **Cue Properties** pane.
- In the **Mixer Automation** Section
- Click in the **Glide** field.
- For a user defined glide time type a suitable value in the **_:_:** time entry area or:
- For a glide over the entire length of the Cue choose **Cue Length** from the drop-down list.

Note: If a value longer than the Cue length is entered the Glide will occur over the Cue length.

Apply Snapshot

To apply a Mixer Automation Snapshot simply Fire the Cue

Note: Two snapshots controlling the same Mixing Console controls at the same time will "conflict". Please avoid this situation.

Snapshots can be **Auditioned**, however FF/REW and Scrubbing is not possible.

Copy and Paste Snapshot

To Copy a snapshot simply Copy the Cue containing the snapshot.

To Paste a snapshot select the target Cue and choose **Paste Automation** from the Cue right-click context menu.

Alternatively, select **Cue > Paste Automation**. The automation snapshot is added to the target Cue without affecting the Media file or any other parameters.



Show Logging

Show Logging creates Log Files listing every Audio file played. This is useful for broadcasters.

Logging is enabled and set up in the **Show Properties** pane. **Please see: Show Logging Section on page 91**

New Log Files are created **Every Show, Every Week** or **Every Month** and may be saved in any Folder accessible to Ovation. Log Files are never deleted, new files are created with the date and time in the filename.

The filename can include:

- Station Name
- Station Name + Date
- Station Name + Show Name
- Station Name + Show Name + Date

Log Files are created in any of the following formats:

- ASCII Text (.log)
- XML (.xml)
- Enco DAD log file (.exp)

Examples

ASCII Text (.log)

2013-04-03 16:07:40 00:00:02 I Love Rock N Roll.wav

XML (.xml)

<Cue>

<Name>I Love Rock N Roll</Name>

<Date>2013-04-03</Date>

<PlayedAt>16:32:21</PlayedAt>

<Duration>00:00:07</Duration>

<FileName>I Love Rock N Roll.wav</FileName>

<PathName>E:\Media\Music\I Love Rock N Roll.wav</PathName>

</Cue>

Enco DAD log file (.exp)

16:09:0100:00:0104/03/1300000I Love Rock N Roll Love Rock N Roll.wav

Other Modules

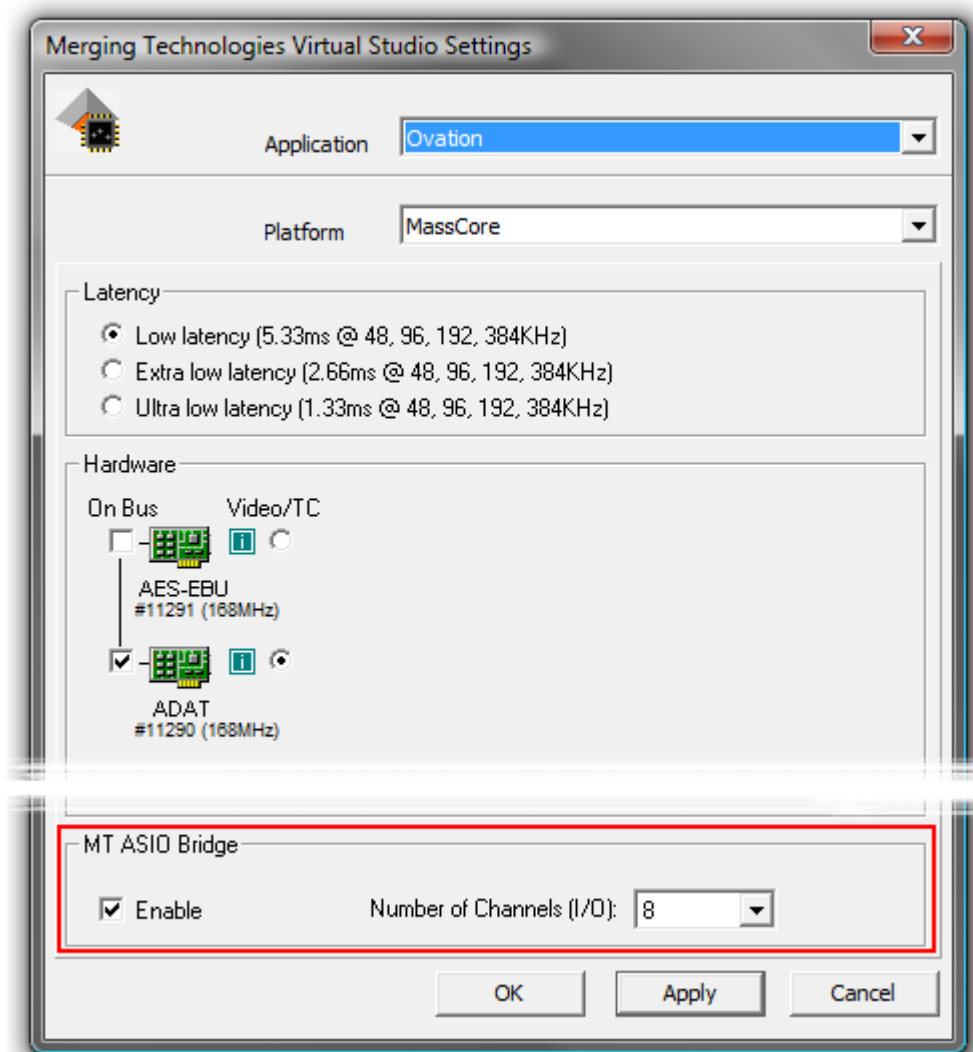
It is possible to call other applications such as audio editors from within **Ovation** and exchange data with them. For example, the Merging Technologies **Pyramix** audio editor. Third-party applications will also be supported.

Editing with Pyramix

In a MassCore™ system an audio Cue, Mono, Stereo, multi-channel or a multi track composition may be opened for comprehensive editing by invoking **Edit** from either the right-click context menu while hovering over a Cue or for the selected Cue from **Cue > Edit**. However, before Pyramix editing can be used, Pyramix must be open and both applications set up in a specific way.

For example, to set up for editing stereo Cues :

1. Close Ovation if open.
2. Open the **VS3 Control Panel**.



VS3 Control Panel

3. Check that the **Application** drop-down list is displaying **Ovation** and, if it isn't, choose it from the list.
4. Check that the **Platform** drop-down list is displaying **MassCore™** and, if it isn't, choose it from the list.
5. Click on the **MT ASIO Bridge Enable** button so that it is ticked.
6. Set the **Number of channels (I/O)** drop-down list to **8**
7. Now select **Pyramix Virtual Studio** from the **Application** drop-down list
8. Also select **Native - ASIO** from the **Platform** list.
9. Select **MT ASIO Bridge Driver** from the **I/O Selection Driver name:** drop-down list if not already selected.
10. Start Ovation go to **Settings > Show Settings > Mixing Console > Slots Allocation**.
11. In the **Slots Allocation** drop-down list set the value to **6**



12. Now open the **Ovation Mixing Console (View > View Mixer)** and for Strips 7 and 8, set the Live INPUTS to **MT ASIO Bridge 1 and 2** respectively.
13. Start Pyramix
14. Create a new Pyramix Project and name it "Ovation Edit" or similar. A simple 8:2 mixer will do nicely.
15. Open the Mixer Monitoring Section, select the **Configure** Tab and create a new **Speaker Set**. Name this as something you will remember such as "Ovation Edit" and patch the **L and R Speaker OUTPUTS** to MT ASIO Bridge 1 and 2. Now activate the Speaker Set. (Alternatively you can simply patch the Pyramix Mixer Stereo output strip outputs to MT ASIO Bridge 1 & 2)
16. Now save the Pyramix Project with a memorable name such as "Ovation Editor".

Now you can right-click on a stereo Cue in Ovation and choose **Edit**.

17. The selected Cue will open in Pyramix.
18. Edit in Pyramix until you are happy with the results.
19. In Pyramix select **Project > Ovation > Publish to Ovation** and the edited Cue will appear in the same place in Ovation.
(Alternatively, choose **Project > Ovation > Publish to Ovation as a New Cue**. The edited Cue will then appear in the Ovation Cue List directly below the original with the same name and the suffix **(New)** E.g. if the original Cue is named **steampass2** then the new one will be named **steampass2 (New)**.)

Note: Pyramix must be opened **AFTER** Ovation and with an empty project loaded before invoking **Edit**

Note: If you wish to edit Multi-channel Cues then simply follow the above set-up procedure increasing the number of slots and changing speaker/output mappings as appropriate.

Note: When **Edit** is invoked from an Ovation Cue the existing Pyramix Project will be overwritten with the new Cue. I.e. all existing tracks will be deleted and new tracks created to accommodate the new Cue for editing.

Note: Clip Gain and Envelope ARE supported and published to Ovation.

- When a Cue edited in Pyramix contains Envelope information this is published to Ovation.
- Clip Gain set in a Cue edited in Pyramix is published to Ovation. (Gain value applied is not visible in Ovation)



Recording

Overview

Ovation is able to record up to 8 channels of audio at a time using a mixer which is independent of the Ovation output mixer.

Operationally, recordings are made into Cues in Cue Lists. The new recording can replace the Audio media file or files referenced by the Cue currently or recordings can be made into a new, empty Cue. Recordings may be made in Compose Mode or Show Mode whether the Show is running or not. (Provided that **Forbid Editing** is set to **No** in **Show Properties > Show Time Properties**.) When recording in Show Mode all features of the Ovation user interface operate just as they do when no recording is taking place.

Recordings are made in 24 bit Broadcast Wav format (**.bwf**) at the sampling rate of the current Show.

Record

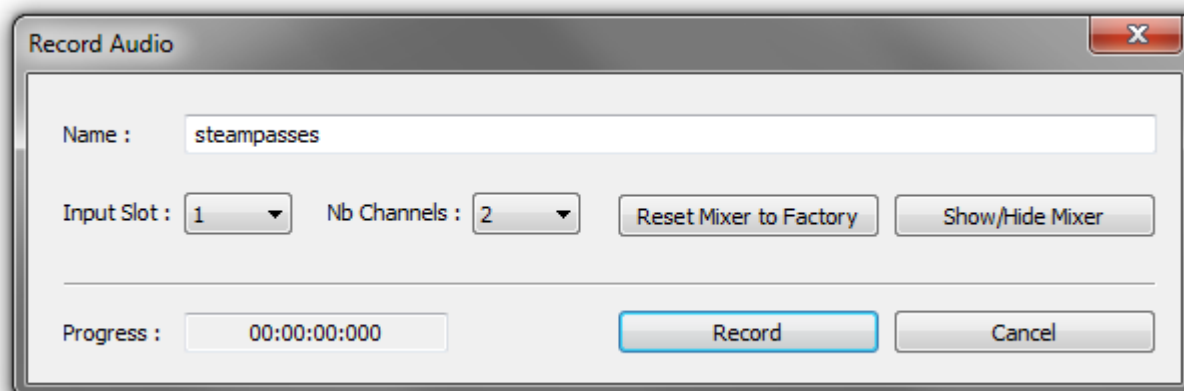
Initiating Recording

There are two methods of initiating a recording.

- To replace the Audio Media in an existing Cue with a new recording:
 - Select a Cue in a Cue List.
 - Choose **Record Audio** from the right-click context menu or **Cue > Record Audio**
- To record Audio to a new, empty Cue:
 - Choose **Add Cue > Record Audio as New Cue** from the right-click context menu or **Cue > Add Cue > Record Audio as New Cue**.
(Alternatively you could create a new empty Cue then proceed as for replacing the Audio Media in an existing Cue.)

Either method of initiating a recording will open the **Record Audio** dialog:

Record Audio Dialog



The 'Record Audio' dialog box is a standard Windows-style window with a title bar and a close button. It contains several input fields and buttons. The 'Name' field is a text box with 'steampasses' entered. Below it are two dropdown menus: 'Input Slot' set to '1' and 'Nb Channels' set to '2'. To the right of these are two buttons: 'Reset Mixer to Factory' and 'Show/Hide Mixer'. At the bottom, there is a 'Progress' field showing '00:00:00:000', a 'Record' button, and a 'Cancel' button.

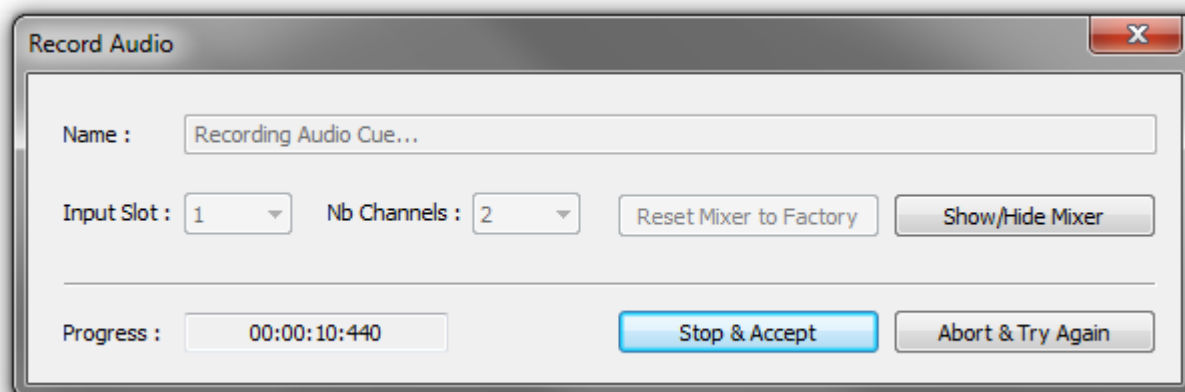
Record Audio dialog

Name	When the dialog is opened to replace the Audio Media in an existing Cue the field will contain the existing Cue's name. When the dialog is opened to record a new Cue the field defaults to Recording Audio Cue.... In either case a new name for the recording can be typed in the field.
Input Slot	The combo box enables the choice of the first Mixer Input which will be used as the record source.
Nb Channels	The combo box sets the number of channels to be recorded. (Maximum 8)
Reset Mixer to Factory	Restores the mixer to the default 8 mono inputs, one stereo output.



Show/Hide Mixer	Toggles the Record Mixer visible/hidden. (Default is hidden.)
Progress	The counter shows elapsed time from the beginning of recording.
Record	Click the button to start recording.
Cancel	Click the button to cancel recording and close the dialog.

Note: The **Record** and **Cancel** buttons are modal. When recording they offer the following options:



Record Audio dialog - recording

Stop & Accept	Click the button to stop the recording, close the dialog and link the recording to the selected Cue.
Abort & Try Again	Click the button to cancel the recording, delete the file and leave the dialog open for another recording.

Note: If the Cue being recorded is deleted or the list containing the Cue is closed the recording will be terminated correctly and the file will be created properly but no Cue will be created or changed to point to the recording.

If a **Record Audio** operation is **Undone** then the Cue returns to its previous state or is removed but the Audio Media file is retained.

Recording File location

Files created by recording will be located in the **Audio Files** sub-folder of the folder containing the **Show** file.



Record Mixer

A dedicated Record Mixer is created when the **Record Audio Audio** dialog is opened:



Default Record Mixer

The Mixer can be displayed using the **Show/Hide** button in the **Record Audio** dialog.

By default, the Record Mixer is created with 8 mono inputs strips and one stereo output bus.

Inputs are connected to Channels 1 to 8.

The mixer is configurable as desired and will be recalled in the same state when the **Record Audio** dialog is opened subsequently.

Note: VERY IMPORTANT

If you wish to use Record Mixer outputs for monitoring etc. then please ensure the physical outputs selected are **NOT** already assigned to the Ovation output Mixer. If outputs already in use in the OV output Mixer are assigned to the Record Mixer they will be re-assigned and the relevant outputs from the OV output Mixer will be disconnected.

Note: For detailed information about mixer configuration please see the Pyramix User Manual.



Ovation User Interface

Overview

The Ovation user interface has been designed from the ground up for composing and running shows. A show can contain Media and Trigger Cues of many types and these can be fired manually or automatically to suit the application.

Commands and functions can be accessed from buttons, pull-down menus, contextual pop-up menus and keyboard shortcuts.

There are generally several ways of accessing any given function in Ovation. Sub-sections of the interface are separate, dockable, nestable panes that can be shown or hidden and arranged automatically or by the user. This is intended to enable users to work in the manner they find most comfortable for the type of task they are undertaking. It also means 'Power Users' can develop highly efficient operating procedures.

It is perfectly possible to use Ovation casually, or as an operator, without discovering all of the many available possibilities. However, for Show designers, a far more rewarding experience awaits.

User Interface Options

Apart from conventional menus Ovation offers many other UI options:

Fire Command

The Fire Command acts like Double-Click when in Show Compose Mode and is mapped by default to the Space key. So:

- In Edit Mode, **Space Bar** toggles **Audition / Stop**.
- In Show Mode, **Space** always **Fires** the Cue.

In Show Mode, **Enter** initiates **Fire Sequenced Cue ! (Fire and Select Next Cue)**.

Context Menus

Right-clicking pop-ups menus with commands and options relevant to the current cursor location.

Keyboard Shortcuts

In particular we would encourage users to use keyboard shortcuts and preferably the standard Ovation mapping. Keyboard shortcuts can be fully customized.

Hardware Control Surfaces

For many applications a hardware control surface and or touch-screen will be desirable if not essential. Merging Technologies offer a versatile, dedicated controller for Ovation and our Sales Partners can help with bespoke solutions.

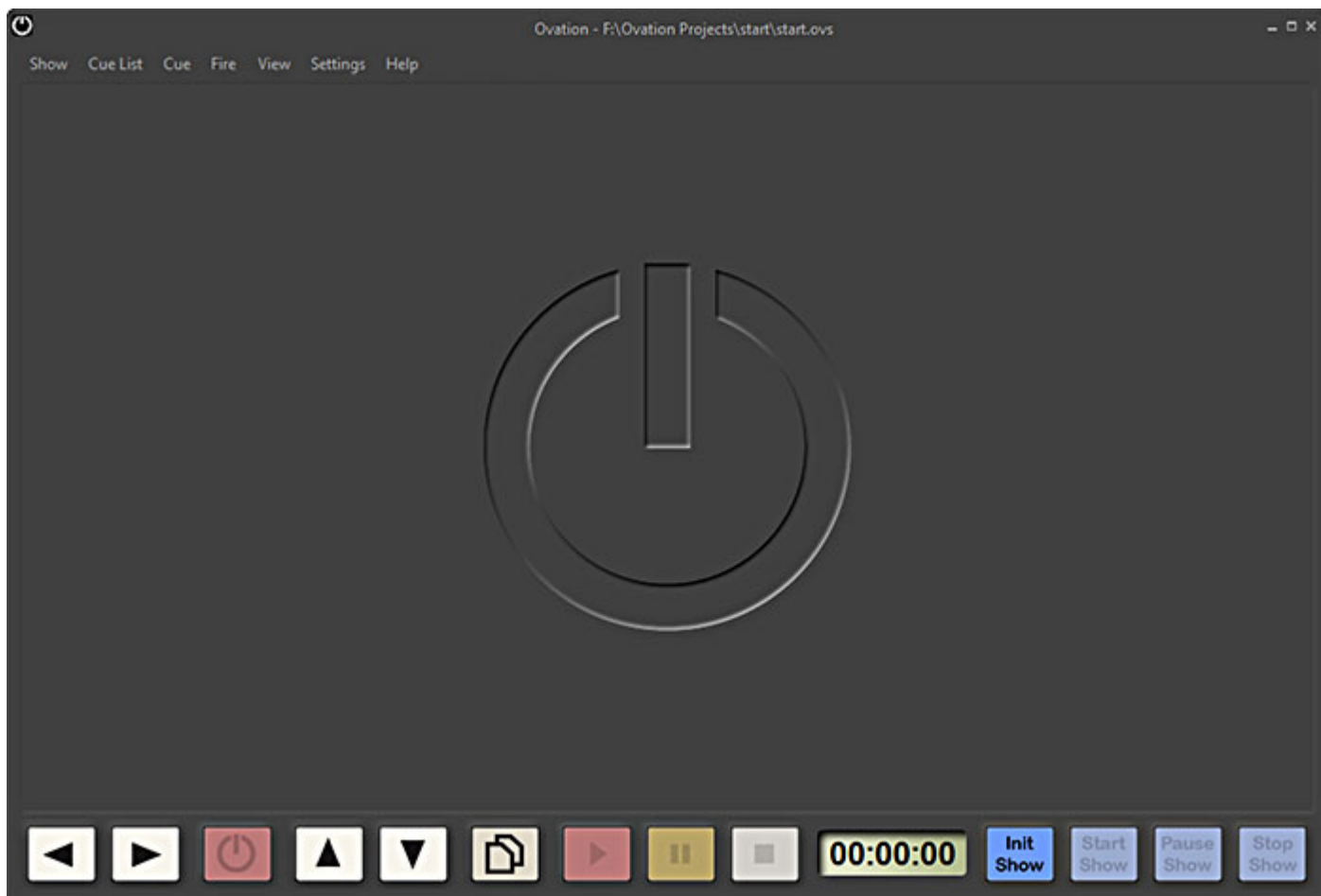
Mouse Modifier Keys

The range of possible actions resulting from a mouse click are extended by the use of **Keyboard Modifiers**. These aid productivity and are well worth learning. **Please see: Appendix VI on page 228**



Main Window

If **Ovation** is launched without any **Cue Lists** present it opens as a blank canvas with no panes present. You will see the main **Ovation** window with its **Menus** at the top and the **Show Controls** with Time Display at the bottom.:



Main Ovation Window

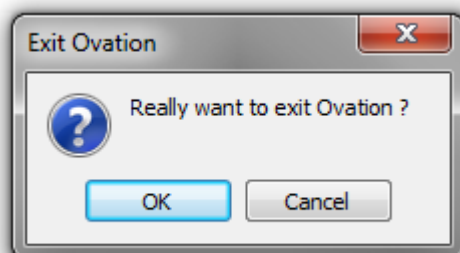
Fixed Buttons

At top right the standard buttons are standard Windows items.

Minimize Minimizes the Main Ovation Window to the Taskbar.

Maximize / Restore Toggles between Maximizing the Main Ovation Window and Restoring it to the size and position it occupied prior to being minimized / maximized

Close Opens the **Exit Ovation** dialog



Exit Ovation dialog



Click on **OK** to close **Ovation** or **Cancel** to exit the dialog without closing **Ovation**.

Main Window, Panes and Toolbars

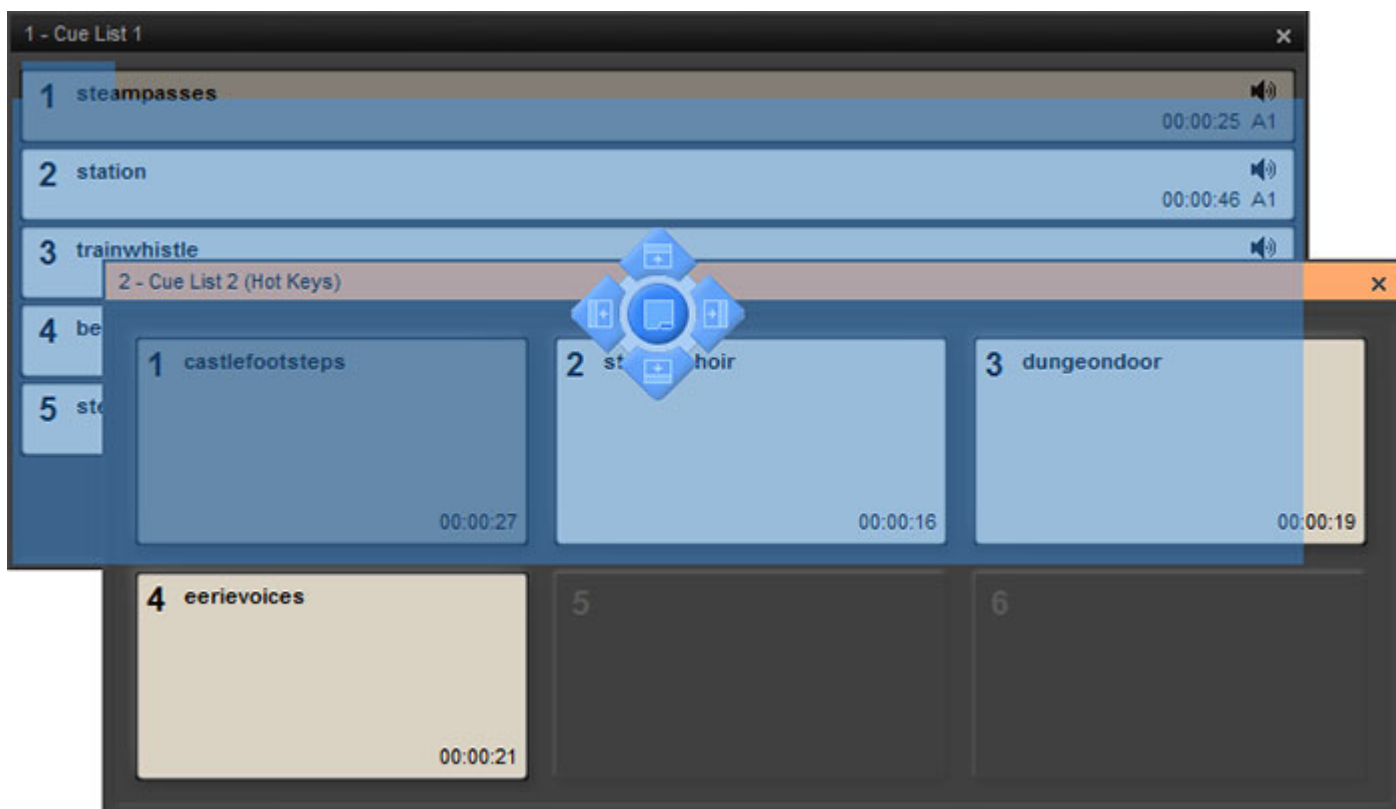
The Ovation user Interface is based around a Main Window with sub-windows or Panes. These Panes (and Toolbars) can be positioned anywhere on the Windows Desktop, they do not have to remain inside the Main Ovation Window. Panes and Toolbars are 'magnetized' to each other and to the edges of the Main window when in close proximity. Panes and Toolbars will also resize automatically when close to the Main window edges. The new size is shown as a semi-transparent grey box. Resizing only takes place when the mouse button is released. Blue "Landing Lights" show where a Pane will dock.

Double-clicking in the Pane title bar toggles its size and position between current and last or docks the Pane in the Main window.

Nested and Combined Panes

Nested Panes

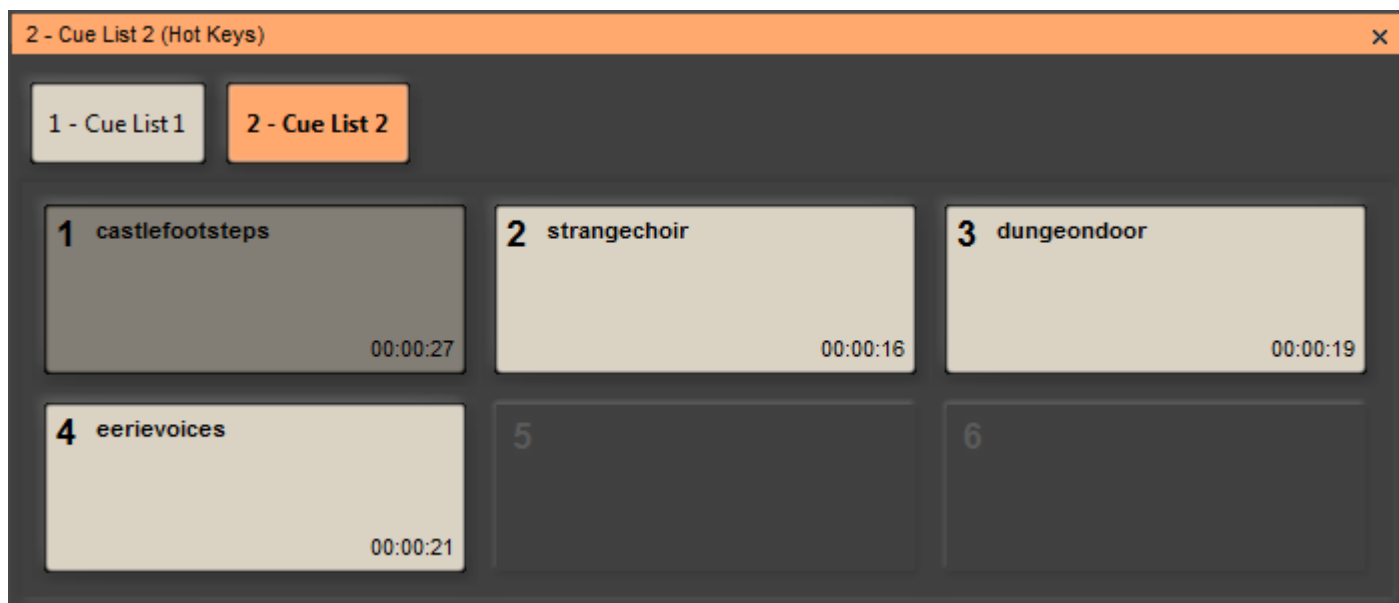
Panes, e.g. Cue lists or Properties can be nested by simply dragging, say Cue List 2 over Cue List 1 Until the blue "ghost" pane covers most of the existing pane and the centre blue landing light is lit.



Cue List Pane with Cue List ready to dock - Compose Mode



Here is the result:



Cue List Pane with Nested Cue Lists - Compose Mode

The large buttons at the top enable the focus to be switched between the nested Panes, in this case:

1 - Cue List 1, 2 - Cue List 2.

Panes can be Un-Nested by clicking and dragging on the large Cue List label buttons.



Combined Panes

If a Pane is dragged over another near the edges a Combined Window can be formed. This can be Closed or Auto-hidden as a single entity. Depending on where the Pane is dragged Panes can be combined vertically or horizontally. In the following image you can see a pair of Properties Panes Combined with two nested Cue List Panes.

The screenshot displays the Ovation User Interface in Compose Mode. At the top, a window titled "1 - Cue List 1 (Standard Cue List)" is active. Below it, two buttons labeled "1 - Cue List 1" and "2 - Cue List 2" are visible. The main area shows a list of cues:

Number	Name	Time	Channel
1	steampasses	00:00:25	A1
2	station	00:00:46	A1
3	trainwhistle	00:00:06	A1

Below the cue list, two property panes are combined side-by-side. The "Cue Properties" pane on the left shows details for the selected cue:

Cue	
Number	1
Name	steampasses
Comments	
Pinned to Active Cue Window	Yes
Length	00:00:25:040

The "Show Properties" pane on the right shows settings for the selected cue:

Show Properties	
Show Start Time	00:00:00:000
Chase Offset	+00:00:00:000
Show Time Options	
Hide Menus	No
Hide Toolbars	No
Freeze Panes	No
Show Validation	No
Forbid Editing	Yes

Combined and Nested Panes - Compose Mode


Here you can see that **Cue List 1** has the focus. Properties are displayed for the selected **Cue**, highlighted in dark gray, in the selected **Cue List**, highlighted in pale green.

Cue List Properties are pale green, Show Properties are blue and Cue Properties are gray.



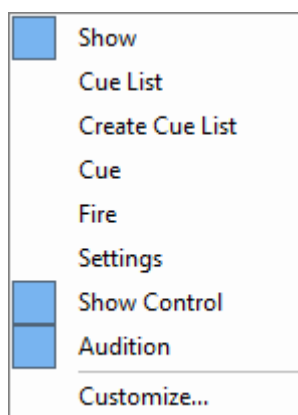
Toolbars

Ovation is equipped with a number of standard Toolbars. These can be shown in the user interface or hidden as required. It is also possible to show Toolbars in Compose Mode and hide them in Show mode by setting the **Hide Toolbars** field in **Show Properties** to **Yes**.

All Main Window toolbars including the Menu toolbar can be made floating by clicking to the left of the first entry until the cursor changes to Move  and dragging to a new location. If a floating Toolbar is dragged close to the edge of the Main Window it will snap to a docked configuration.

Toolbar Context Menu

Right-clicking on a blank part of the Main window header or footer opens the **Toolbars** menu :



Toolbars context menu

Checked entries in the list will be present in the Main Ovation window.



Audition Toolbar

Selecting **Show > View Audition Toolbar** adds the **Audition Toolbar** to the bottom of the main Show Window.



Audition Toolbar

The buttons should be self-explanatory but, just in case, from left to right we have:

Start of Cue or Previous Cue if cursor is at Start of Cue - Rewind - Stop - Start / Pause - Fast Forward - Next Cue

These controls act on the currently selected Cue.

Audition Jump

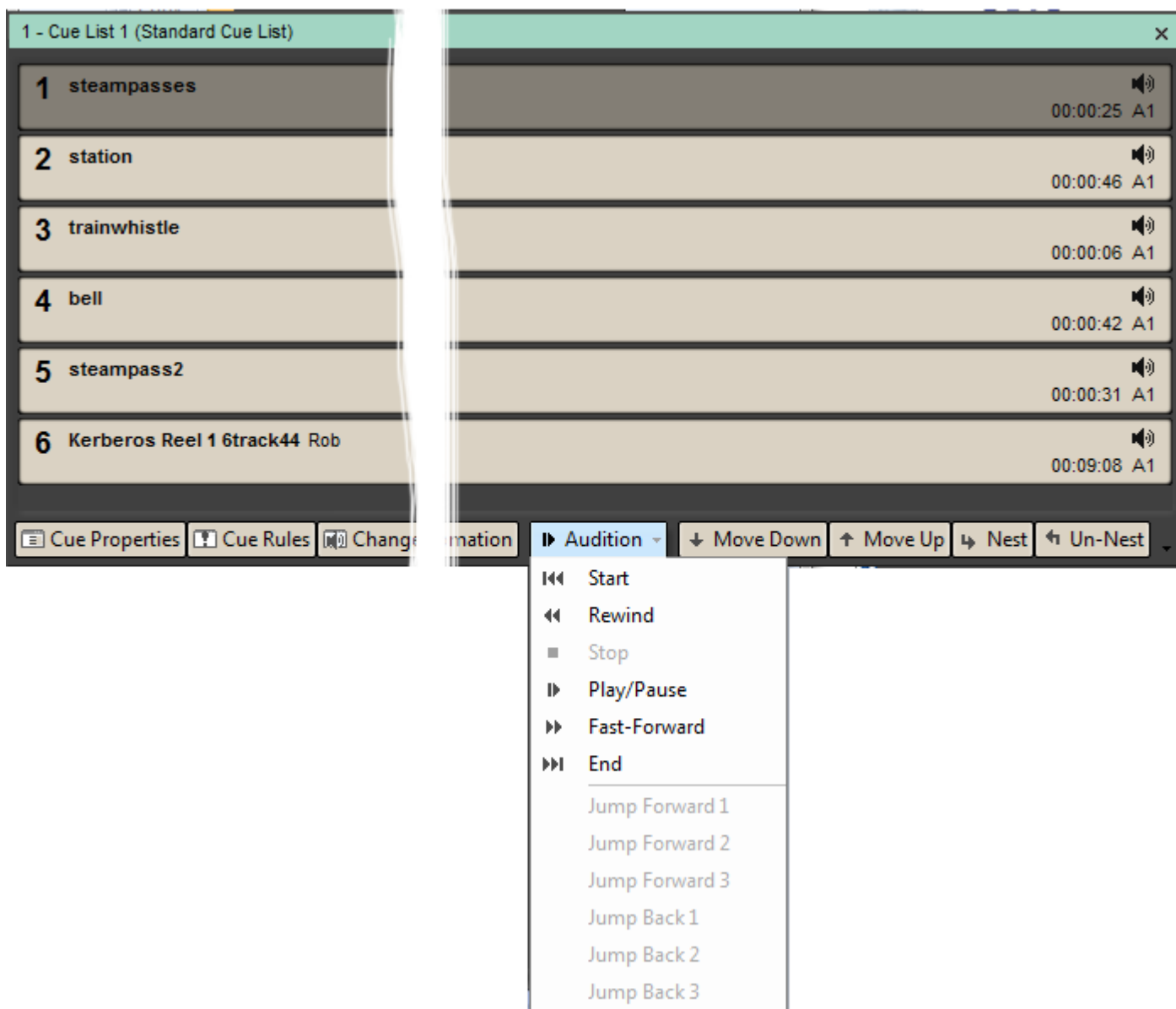
There are six **Audition Jump** commands. These commands are available only when Auditioning a Cue and via Keyboard Shortcuts or with a modifier key when clicking on the Rewind and Fast Forward buttons in any Audition Toolbar or on the Ovation Keyboard:

- Audition Jump Forward 1: Jump 1 Second later in time (**Ctrl + ->** Key or Fast Forward Button)
- Audition Jump Forward 2: Jump 5 Seconds later in time (**Ctrl + Shift + ->** Key or Fast Forward Button)
- Audition Jump Forward 3: Jump 15 Seconds later in time (**Ctrl + Shift + Alt + ->** Key or Fast Forward Button)
- Audition Jump Back 1: Jump 1 Second earlier in time (**Ctrl + <-** Key or Rewind Button)
- Audition Jump Back 2: Jump 5 Seconds earlier in time (**Ctrl + Shift + <-** Key or Rewind Button)
- Audition Jump Back 3: Jump 15 Seconds earlier in time (**Ctrl + Shift + Alt + <-** Key or Rewind Button)



Audition Drop-down

In a Cue List pane, clicking on the down arrow immediately to the right of the Audition button drops down the Audition transport controls. These are identical in function to the Audition Toolbar.



Standard Cue List Pane with Audition Drop-down - Compose Mode



Show Controls



Ovation Main Window Show Control Bar

The **Show Control** bar at the bottom of the main screen can be made floating in the same manner as the **Menus**. I.e. click and drag at the left-hand edge when the cursor changes to a cross.

If the **Show Control** bar is dragged near to an edge of the Main Screen it will re-dock, horizontally or vertically. Otherwise it can be placed anywhere on the Desktop.



Select **Previous Child-Cue** in currently selected Cue List



Select **Next Child-Cue** in currently selected Cue List



Fire Selected Cue in currently selected Cue List and select next Cue and make **Ready to Fire**



Select **Previous Cue** in currently selected Cue List



Select **Next Cue** in currently selected Cue List



Toggle through **Cue Lists** in ascending order (with **Shift** in descending order)



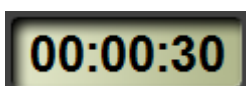
Fire Selected Cue in currently selected Cue List. Cue remains **Ready** to be **Fired Again**



Pause Selected Cue in currently selected Cue List



Stop Selected Cue in currently selected Cue List



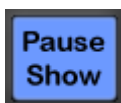
Show Time Counter Displays selected Time format when Show is running



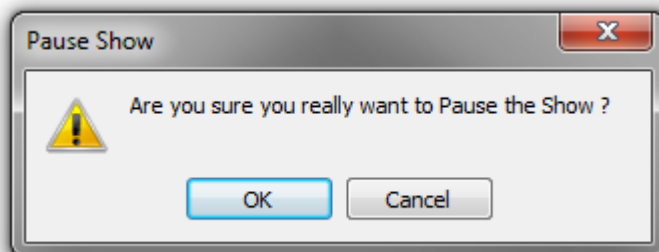
Initialize Show Prepares Show for Running. **Cue Lists** displays change to **Show Mode**



Start Show Timed Cues fire at appropriate times. **Hot Key** Cues can be Fired at will.



Pause Show Opens the **Pause Show** dialog:



Pause Show Dialog

OK Pauses the Show, **Cancel** closes the dialog without affecting the Show.

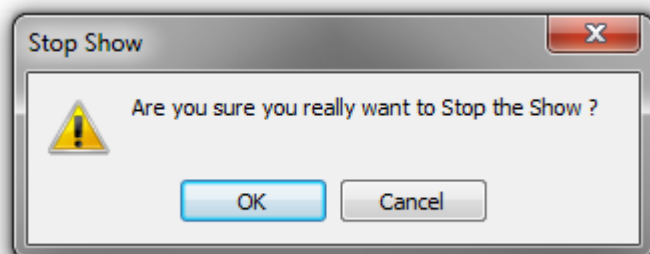


Pause Show button with Show Paused.

Clicking on **Pause Show** when the Show is Paused, Re-starts the Show from the point at which it was Paused.



Stop Show Opens the **Stop Show** dialog



Stop Show Dialog

OK Stops the Show. **Cue List** displays return to Compose Mode and the Time is reset if Time Mode is **Duration**. **Cancel** closes the dialog without affecting the Show.

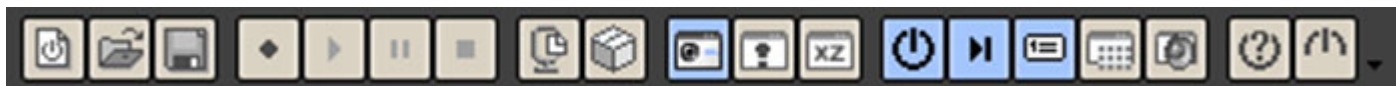
Note: The **Pause Show** and **Stop Show** dialogs can be suppressed in the **Show Properties** pane. Useful for rehearsals and when constructing a Show.















Other Toolbars

The other Toolbars are accessed by right-clicking on a blank area of the main Ovation Window header or footer and selecting them from the context menu. All the extra Toolbars are user configurable. The down arrow next to the far right icon gives access to the current Toolbar's buttons plus **Customize...** Buttons visible currently in the Toolbar are highlighted in blue. Clicking on an entry in the list toggles it shown/hidden. The last entry in the list is **Reset Toolbar** this does what it says and resets the Toolbar to the default condition. I.e. all buttons present.



Show



	New Show
	Open Show
	Save Show
	Initialize Show
	Start the Show
	Pause the Show
	Stop the Show
	Consolidate the Show
	Package the Show
	Toggle Show Properties pane show/hide
	Toggle Show Validator pane show/hide
	Toggle Show Log pane show/hide
	Toggle Show Control Toolbar show/hide
	Toggle Audition Toolbar show/hide
	Toggle Active Cue Window show/hide
	Toggle Audio Gain Matrix show/hide



Toggle Audio Control Fader show/hide



Open User Manual



About Ovation

Cue List



New - drops down the list of possible Cue List types. Selection opens new list.



Open Cue List



Save Cue List



Toggle Cue List Properties pane show/hide



Fire /Start Timed List



Start Timed List



Pause Timed List



Stop Timed List



Chase Timed List



Fire Toolbar - Toggles Fire Toolbar show/hide in selected Cue List in Show Mode for selected window



Edit Toolbar - Toggles Edit Toolbar show/hide in selected Cue List in Compose Mode for selected window



Toggle/Select Cue List - Cycles the selection through open Cue Lists



Toggle/Select Hot Key List



Create Cue List



New Standard Cue List



New Timed Cue List



New Hot Keys Cue List



New Custom Keys Cue List



New Cue Browser



New Hot Browser

Cue



Undo



Cut



Copy



Paste



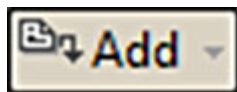
Toggle Cue Properties pane show/hide



Open Cue Rules window



Open Cue gain fader dialog



Add - drops down the list of Cue add options



Remove - selected Cue



Edit - Cue in Pyramix (if already open)



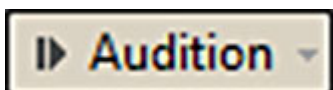
Replace Audio Media - Opens a browser to select an alternative Audio Media file/Composition.



Snapshot Automation



Paste Automation



Audition - Click on the button to Audition the selected Cue or the down arrow to drop-down the Audition transport controls.



Pin/Unpin Cue to the Active Cue Window



Places and Locks selected Cue in the Active Cue Window (Only available when Lock is active in the Active Cue Window)



Move Down



Move Up



Nest



Un-nest



Link Offsets / Start Times

Fire



Fire Selected Cue



Select Previous Scene



Select Next Scene



Select Previous Cue



Select Next Cue



Fire Selected Cue



Pause selected Cue



Stop Selected Cue



Stop All Cues

Settings



Open Settings Window



Open Keyboard Shortcuts Window

Show Menus and Toolbars in Emergency

The Hotkey combination **Ctrl + Alt + Home** brings back the menus and all selected Toolbars when in Show Mode to give access to all commands in case of emergency.



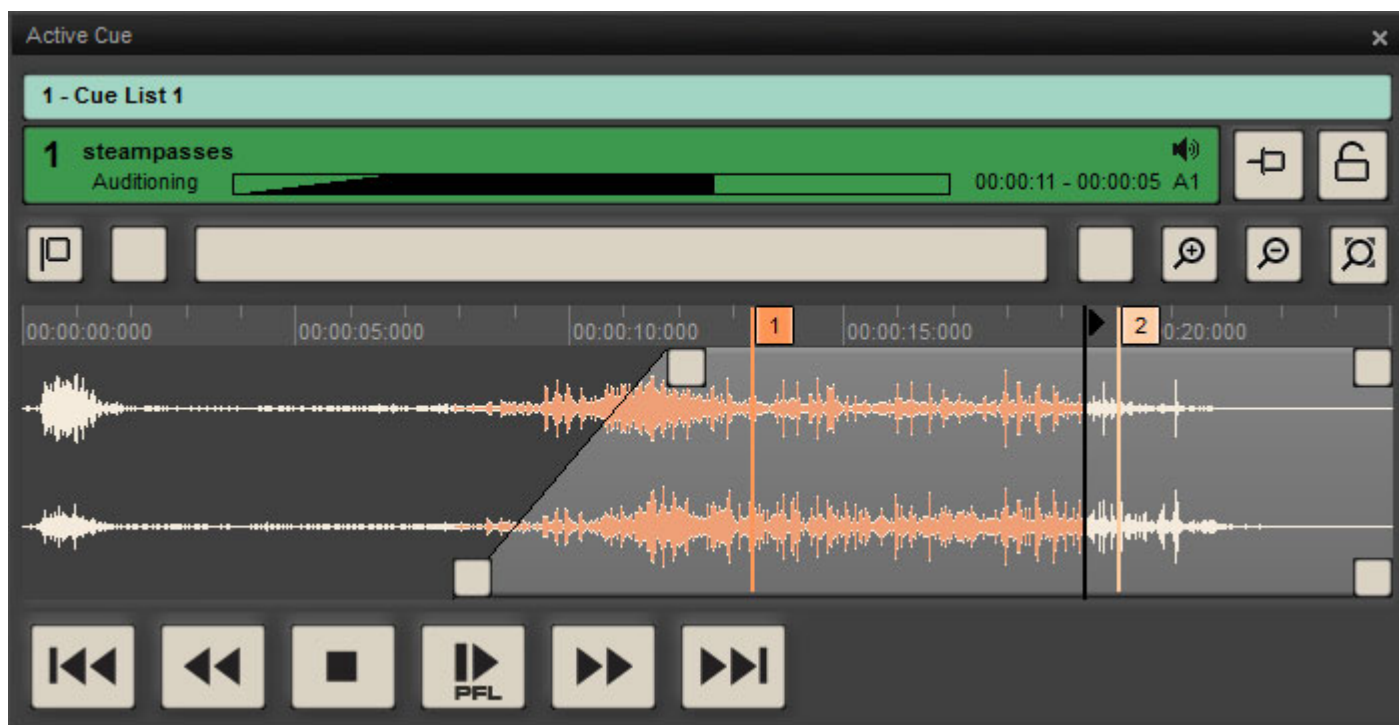
Active Cue Window

Features & Functions

The **Active Cue** Window displays information about, and enables various operations to be performed on, the **Cue** selected currently in both Compose and Show modes.

Cursor Position, Position in Audio File and Zoom Level is remembered when switching between Cues.

Compose Mode



Active Cue Window - Compose Mode

Cue List and Cue



Active Cue Window - Cue List and Cue

Below the Upper Toolbar the first bar shows the **Cue List** where the Active Cue is located. The second bar shows the **Active Cue**. The two buttons to the right activate **Pinned** mode or **Locked** mode.

Lock and Pin

Pinned Mode

Pinned Mode enables only Cues with “interesting” content to be displayed in the Active Cue Window.



When the Pinned button is inactive all types of Cue are shown in the Active Cue Window as they are fired.



When the Pinned button is active only Cues with the **Pinned to the Active Cue Window** parameter set to **Yes** in **Cue Properties** will be shown as they are selected. Audio Cues are Pinned by default. Other types of Control Cue are unpinned by default.



Cue List with Pinned Cues in Show Mode

Override

Alt + Click on an Unpinned Cue overrides the Pin function temporarily and substitutes this Cue for the current Cue.

Note: The Pinned icon is only shown in Cues in Cue Lists when Pinned is active in the Active Cue Window.



Locked Mode

Locked Mode when active locks the Cue displayed currently to the Active Cue Window. No other Cues will be displayed until Lock is deactivated.

Override

Alt + Click on another Cue overrides the Lock temporarily and substitutes this Cue for the current Cue.



Unlocked. Cues are displayed as they are selected or fired.



Locked. The Cue currently displayed is locked to the Active Cue Window.

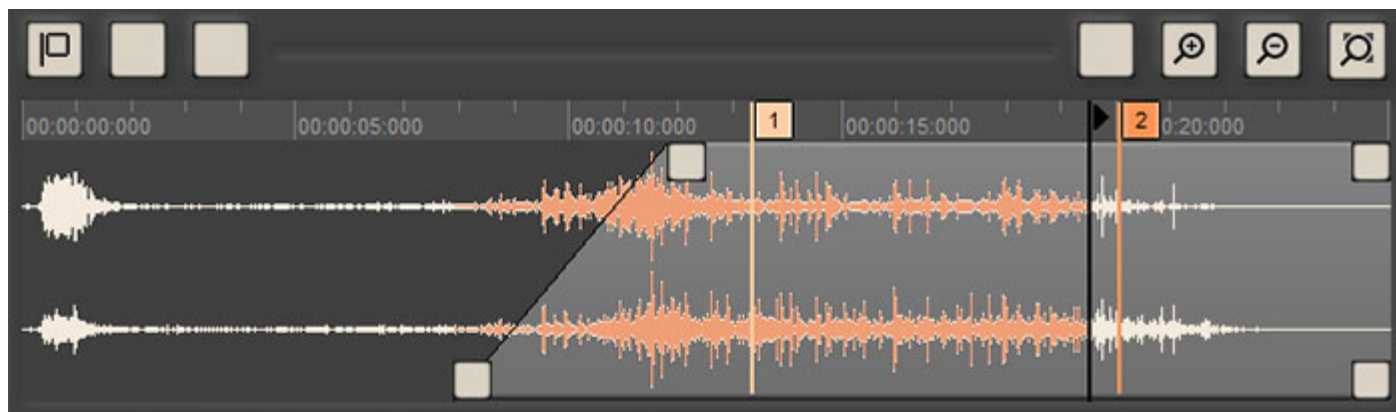
1 - Cue List 1				
1	steampasses	Ready	00:00:17	A1
2	station	Ready	00:00:46	A1
3	 trainwhistle	Ready	00:00:06	A1
4	bell	Asleep	00:00:42	A6
5	steampass2	Asleep	00:00:31	A1

Cue List with Locked Cue

In a Cue List the Cue locked to the active Cue Window is shown with a Lock symbol to the left of the name.



Cue Trimmer



Active Cue Window - Trimmer

Navigation

Marker Button



The Marker button gives access to the Marker management functions. **Please see: Markers on page 84.**

Scroll Bar

The **Scroll bar** and **Nudge** buttons, **Zoom In** / **Zoom Out** / **Zoom-To-Fit** buttons control the view of the Cue in the Trimmer.

The size of the Scroller handle changes according to how much of the Cue is visible in the Timeline.



The **Nudge** buttons scroll the view of the Cue left or right in one second increments.



Zoom In



Zoom Out



Zoom-to-fit

Timescale Ruler

The Cue selected currently is shown in the Active Cue Timeline starting at **00:00:00:000**.

Double-clicking in the Ruler auditions the Cue from the mouse cursor position within the active area.

Clicking and dragging in the Ruler moves the Timeline.

Audition Cursor

- In **Stop** mode, with the **Alt** key pressed and held, placing the mouse cursor on the Audition Cursor in the Timeline Ruler and clicking auditions the Cue while the left mouse button is held down. (Mouse Cursor changes to I-beam) Audition Cursor flies back to Mouse Cursor position when button released.
- In **Stop** mode the I-beam mouse Cursor moves the Audition Cursor without playing.
- When Stopped or Paused and calling Audition or Fire from the Active Cue Window playback starts from the current Audition Cursor position, i.e. from where previous playback stopped. This allows for, when for example rehearsing a show, the rehearsal to be resumed from the middle of a Cue and not from its beginning.



- After pressing the Audition Stop button twice the next Audition or Fire will start from the beginning of the Cue.

When calling Fire or Audition from outside the Active Cue Window (Menu, Keyboard, Show Control Toolbar, etc...) the Active Cue is Fired from its current **IN** point.

Trimmer Waveform Display

The visible portion of the selected Cue is displayed and the active portion of it is highlighted in lighter gray. The four boxes at the corners of the shaded area are handles. These handles can be dragged to adjust the Start, End, Fade In and Fade Out points graphically. The bottom handles set the **In** and **Out** points and the top handles adjust the **Fade In** and **Fade Out**. Double-clicking a handle restores the default value. I.e. the Cue boundary for the In and Out handles and No Fade for the Fade Handles.

Note: The Start and End points can be dragged out beyond the boundaries of the Media to provide a Start Offset / Preroll and or an End Offset / Postroll.

Zoom and Move



Clicking and dragging horizontally anywhere in the Timeline and Ruler while the cursor is a cross moves the entire Timeline.

Clicking and dragging vertically anywhere in the Timeline and Ruler while the cursor is a cross zooms into or out of the Timeline

Trim with the Mouse

The Cue can also be modified with the mouse.

- **SHIFT+Click** moves the **Cue IN** to the current mouse position.
- **Ctrl+Click** moves the **Cue OUT** to the current mouse position.

Review while trimming:

- To review the Cue while trimming the in point, simply audition it (either by using **Audition Play/Pause** or **Review Start**): Each time the Cue **IN** is modified with one of the above methods, the Cue is restarted from its new **IN** point.
- To review the Cue while trimming the **OUT** point, simply press **Ctrl + Review End**: When the audition gets to the current Cue **OUT** point, it loops the last second of the Cue.

Note: The Preroll and Cue Out Loop durations are set in **Settings > Application Settings > General > Audition**. While the Cue loops, you can trim the Cue out precisely with quick and interactive feedback of the current result. Once the Loop Out mode is enabled by **Ctrl + Clicking** the **Review End** icon button all the subsequent keyboard-shortcut calls to **Audition Review End (Ctrl + Alt + Space)** will play in Loop out mode, until the "**Review end**" icon button gets mouse-clicked without the **Ctrl** key. When working with the mouse, you can choose to press **Ctrl** or not, each time you review the end of the Cue.

Audition Toolbar



Active Cue Window - Audition

From left to right the buttons are:

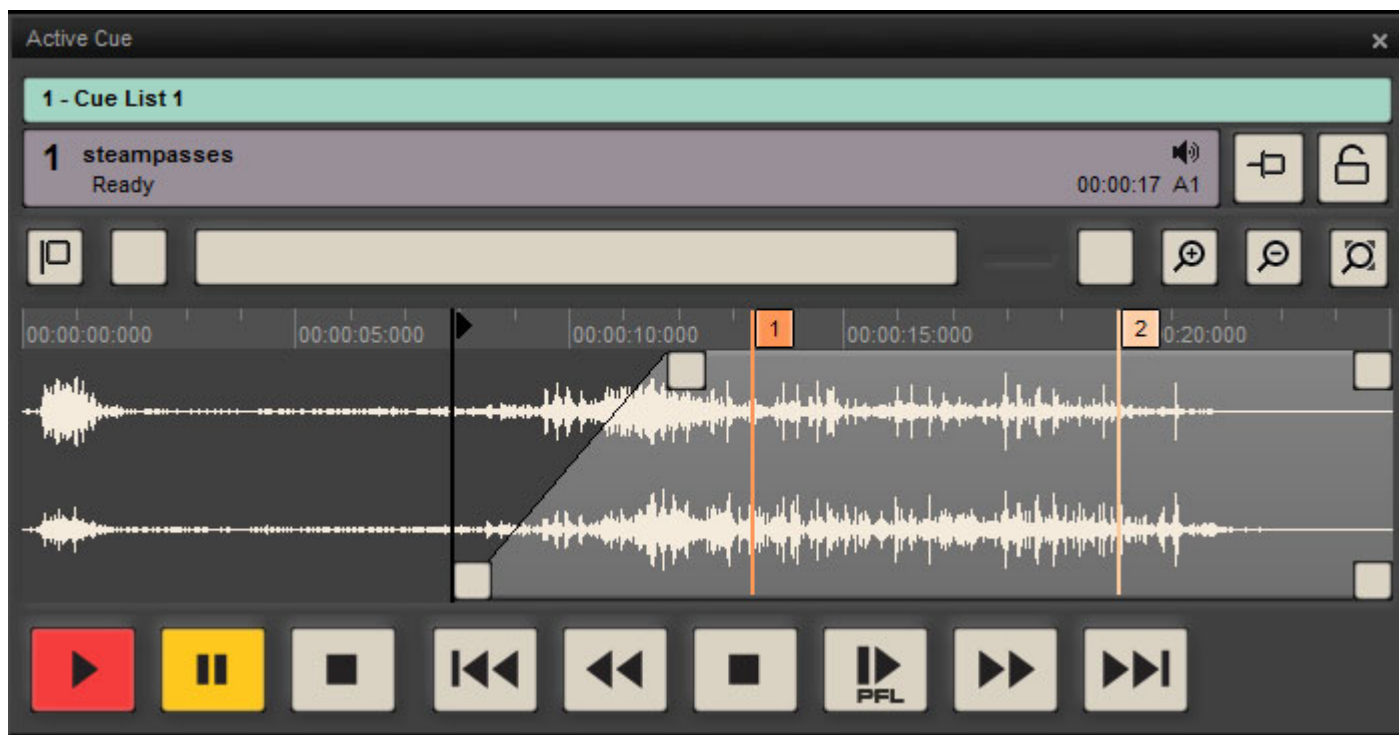
Start of Cue or Previous Cue if Playhead Cursor is at Start of Cue - Rewind - Stop - Start / Pause - Fast Forward - Next Cue

The Audition Toolbar is visible in Compose Mode and will be merged with the Fire Toolbar in Show Mode if the **Forbid Editing** field in **Show Properties** is set to **No**.



Show Mode

Note: The Active Cue Window displays the Cue *selected* currently in the Cue List *selected* currently. I.e. NOT the Cue playing unless this is also selected.



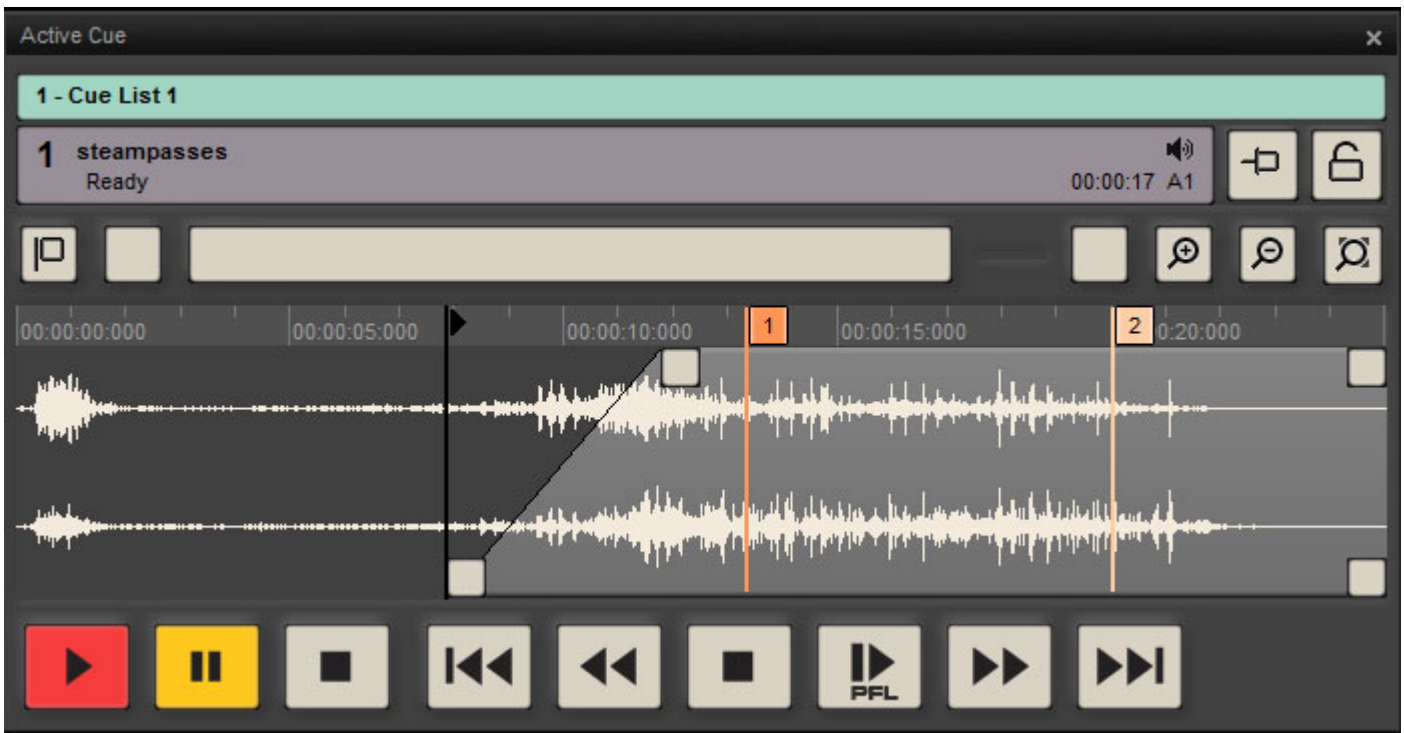
Active Cue Window - Show Mode

In **Show Mode** the Active Cue Window is simplified by the removal of the top Toolbar and Audition toolbar (If present). **Fire**, **Pause** and **Stop** appear at bottom left. If the **Forbid Editing** field in **Show Properties** is set to **No** the **Fire** and **Audition** Toolbars are merged in Show Mode. See below:



Show Mode With Merged Toolbars

Auditioning a Cue

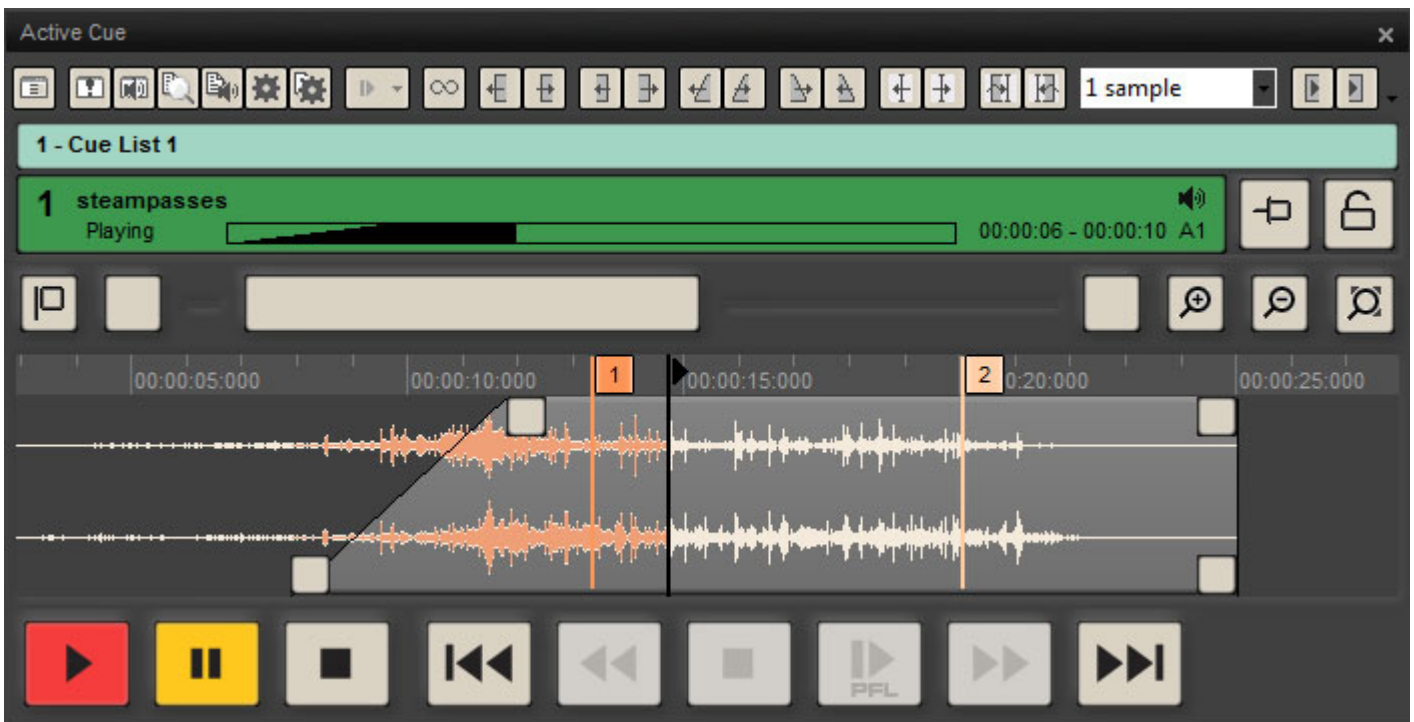


Active Cue Window - Show Mode with Merged Toolbars

If the **Forbid Editing** field in **Show Properties** is set to **No** then the **Fire** and **Audition/PFL** Toolbars are merged and if **Hide Toolbars** is set to **No** then the top toolbar is retained in Show Mode.

Cues can therefore be auditioned while the show is running by selecting them and using the Audition buttons.

Cue Fired



Active Cue Window - Show Running - Selected Cue Fired

When the selected Cue is Playing in Show Mode the **Rewind**, **Stop**, **Play/Pause** and **Fast Forward** buttons are unavailable. (Grayed out.)



Active Cue Window Edit Toolbar

Hidden by default, the Edit Toolbar can be shown by selecting **View > View Active Cue Window Edit Toolbar**.



Cue Properties Opens the **Cue Properties** pane with details of the Active Cue



Cue Rules Opens the **Cue Rules** window



Cue Gain Opens the **Cue Gain** Window



Edit Opens the Active Cue ready for editing in Pyramix (Pyramix editing must be set up and Pyramix launched before Ovation if this function is required.)



Replace Audio Media



Snapshot Automation



Snapshot Automation Paste



Audition clicking on **Audition** auditions the Cue. Clicking on the small arrow gives access to the Audition transport controls. (Same as those at the bottom of the Window plus the **Jump** options. **Please see: Audition Toolbar on page 66**)



Link Offsets/Start Times Links all Audio, TCGen, MMC and 9-pin (Sony P2) Offsets and Start Times in a Cue with these properties. The button toggles on/off and it's state is not saved when a different Cue is Active. When enabled all related field names in the **Cue Properties** pane turn red for clarity.

Nudge

The **Nudge** button functions affect the Cue in the increments set in the drop-down list. Increments range from **1 sample** to **100 seconds**.



Nudge Cue In Less (earlier)



Nudge Cue In More (later)



Nudge Cue Out Less (earlier)



Nudge Cue Out More (later)



Nudge Fade In Less (earlier)



Nudge Fade In More (later)



Nudge Fade Out Less (earlier)



Nudge Fade Out More (later)



Nudge Cursor Less (earlier)



Nudge Cursor More (later)



Snap Cue In to Cursor



Snap Cue Out to Cursor

Nudge Value



Review Start

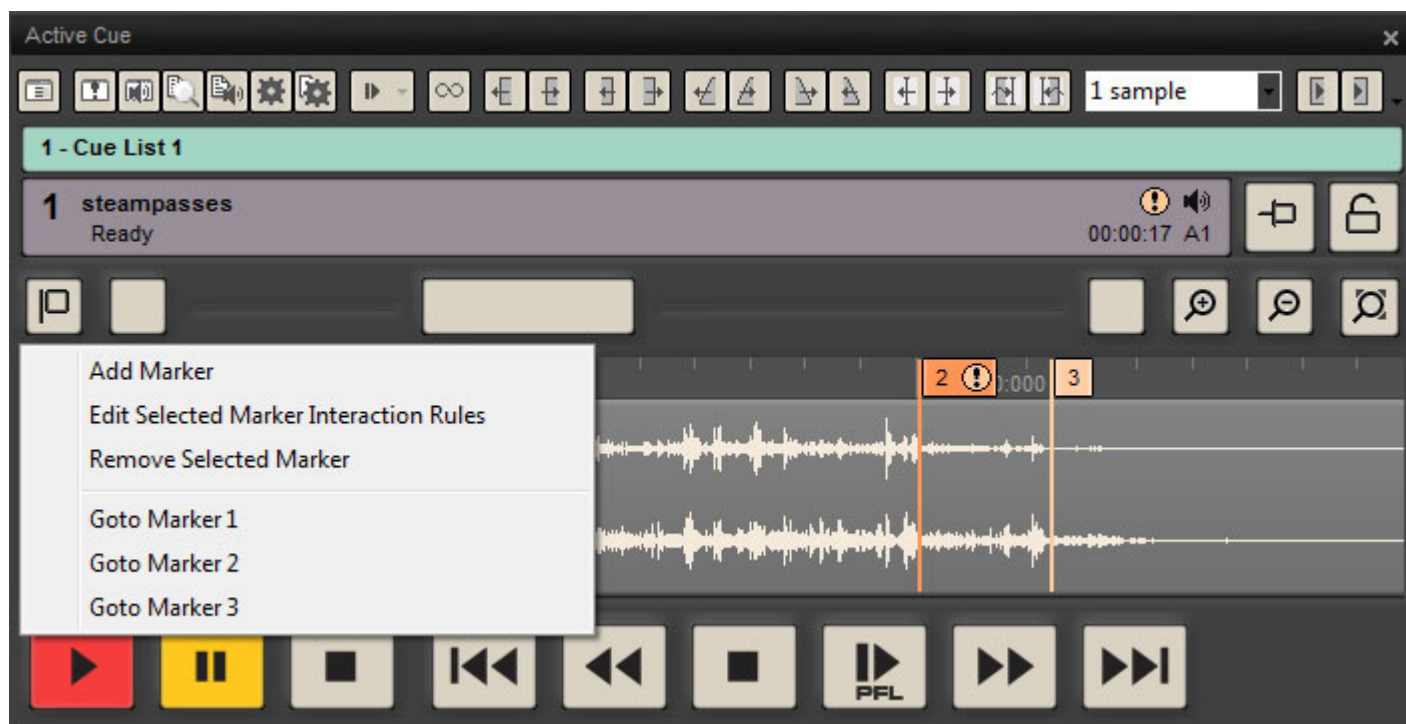


Review End



Markers

Markers, in combination with **Interaction Rules** are a very powerful Ovation tool.



Active Cue Window Markers Drop-down Menu

Clicking on the **Markers** button drops down the Markers Menu. When a Cue has no Markers only the **Add Marker** entry is active.

Markers Menu

- Add Marker** Adds a new Marker at the current Audition Cursor position. **Note:** existing Markers subsequent to the new Marker are renumbered.
 - Edit Selected Marker Interaction Rules** Opens the **Interaction Rules** dialog.
 - Remove Selected Marker** Deletes the Marker selected currently. **Note:** existing markers subsequent to the deleted Marker are renumbered.
-
- Goto Marker 1** Locates the Audition Cursor to **Marker 1**.
 - Goto Marker 2** Every Marker added will show up here as a **Goto Marker x** entry.

Markers in the Timeline Ruler

- Clicking on a **Marker** in the Ruler selects it. Selected Markers are highlighted.
- Click and drag a **Marker** in the Ruler to move it.
- Double-clicking on a **Marker** in the Ruler opens the **Interaction Rules** dialog.

Note: Markers are always numbered in the chronological order they appear in the Timeline. So, if Marker 4 is moved before Marker 1 it is renumbered as Marker 1 and all subsequent markers are renumbered accordingly. The same applies when Markers are added or deleted. The left-most Marker will always be **1** and Markers are always numbered sequentially. Note also that Markers with Interaction Rules have an exclamation point. !



Markers in Cue Properties

Ignore Parent Rules	NO
Output Player	
Markers	
Markers	Selected Marker: 3
Marker Name	Chuff end
Marker Offset	+00:00:15:132
Marker Interaction Rules	Fire Itself at Marker 1 When Reaching Marker
Timed Cue	

Cue Properties - Markers Section

Markers Section

Markers

Clicking in the **Selected Marker: x** field or on the down arrow drops-down the **Marker Menu**.

Markers	
Markers	Selected Marker: 2
Marker Name	Add Marker
Marker Offset	Remove Selected Marker

Marker Interaction Rules	Select Marker 1
	Select Marker 2
	Select Marker 3

Cue Properties - Markers Section - Markers field

Add Marker

Adds a new Marker at the current Audition Cursor position. **Note:** Subsequent existing Markers will be renumbered.

Remove Selected Marker

The selected Marker is deleted. **Note:** Subsequent Markers will be renumbered.

Marker Name

Click in the field and type to add a Name to the Marker. This name will be shown in the **Active Cue** window Timeline.

Select Marker 1

Selects **Marker 1**.

Select Marker 2

Every marker added will show up here and a **Select Marker x** entry.

etc.

Marker Offset

Shows the **Marker Offset** from the beginning of the Cue. (Does not include any Start (Preroll) Offset applied to the Cue.) Clicking in the field enables a new value to be typed. Clicking the down arrow drops-down a list with the option of **Reset**. This resets the Marker position to the current Audition Cursor position in the **Active Cue** Window Timeline. (A negative offset is shown if the Cursor position is before the start of the Cue.)

Marker Interaction Rules

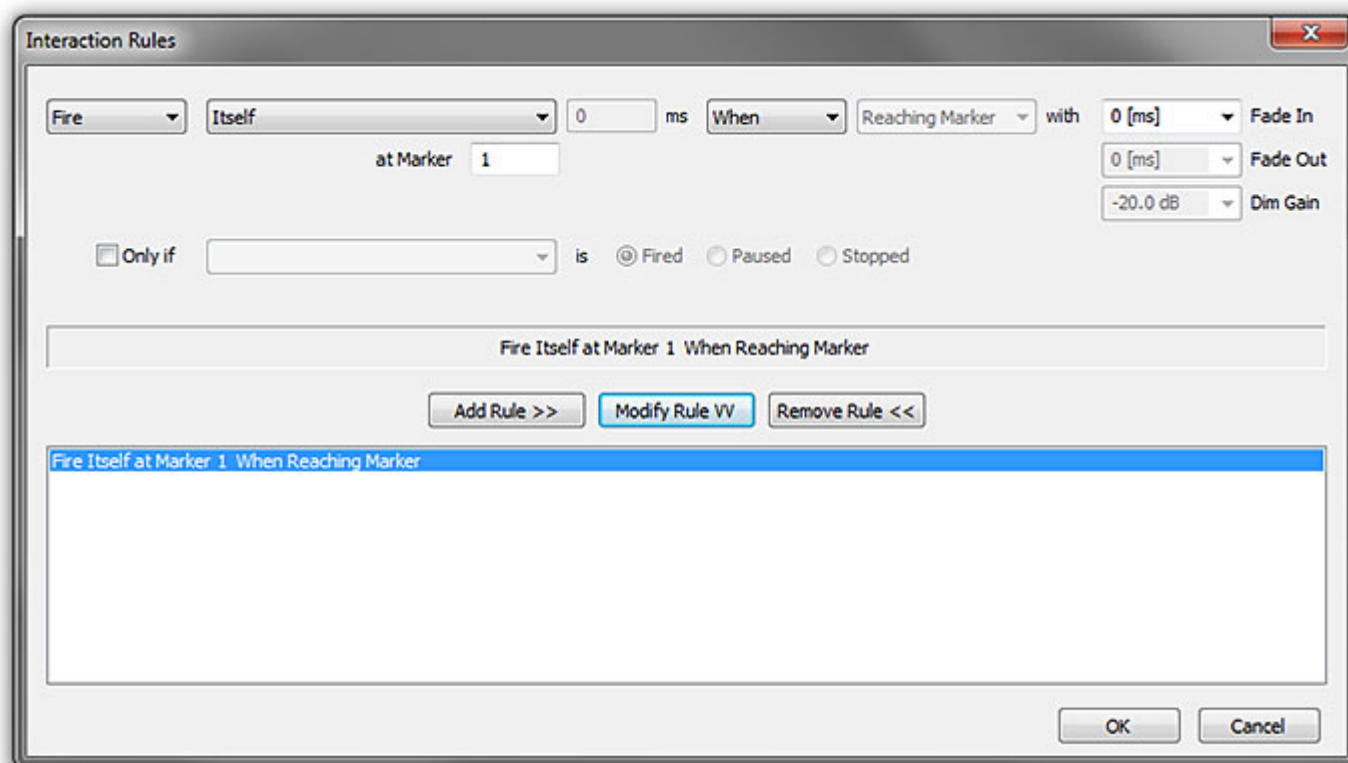
Shows a list of all **Interaction Rules** applied to the Selected Marker. Clicking in the field shows a ... button. Clicking on this opens the **Marker Interaction Rules** dialog. Please see below.

Note: When a Cue has a Marker with a Marker Interaction Rule or rules applied this icon is shown on the Cue in the Cue List:





Markers Interaction Rules



Markers Interaction Rules

The **Markers Interaction Rules** dialog is very similar to the general **Interaction Rules** dialog with one exception:

Reaching Marker is a fixed property and therefore grayed out.

Simple or highly complex interactions can be set up. For example:

- Fire Cue XXX at Marker YYY to allow a Cue to be fired anywhere within a Cue automatically, at a Marker position.
- Looping within a Cue (see full description below.)
- Conditional and Multiple Looping within a Cue i.e. Setting multiple rules for the same Marker enables looping to different locations in the Cue from the same Loop Out point based on different conditions.

Looping

Just one of the Marker possibilities is Looping within a Cue.

To set up a simple loop:

1. Place two Markers, one at the Loop In point and one at the Loop Out point.
2. Either double-click the second, Out Marker or select it and choose **Edit Selected Marker Interaction Rules** from the Markers button drop-down Menu.
3. Set up the following:
 - **Fire**
 - **Itself**
 - **When**
 - **Reaching Marker** (Fixed, not changeable)
4. Click on **Add Rule** to add the Rule to the list.
5. Click on **OK** to save the rule and close the dialog.

And that's it! When the Cue is fired it will play through the first Marker until it hits the second. It will then loop back to the first Marker and continue playing around the loop ad infinitum until stopped manually. This is obviously



only a very simple example and careful use of multiple **Interaction Rules** enable many other possibilities. For example stopping the Looped Cue when another Cue is fired.

For full details of the Interaction Rules **Please see: Interaction Rules on page 110**

Note: For a rule to be functional the system requires a period of 1 second before its triggering time to prepare for triggering the rule. Therefore Markers set before 1 second after the beginning of a Cue or 1 second before the Fade Out of a Cue will not trigger their Rules. They will be colored **Red** in the Active Cue Window !

Properties Panes

Types

Ovation has three types of **Properties** Pane, **Show**, **Cue List** and **Cue**.

These Panes present information about the currently loaded Show, selected Cue List and selected Cue.



The small Minus and Plus buttons on the left Collapse each main section of the Pane to a single line and Expand it back to full respectively:



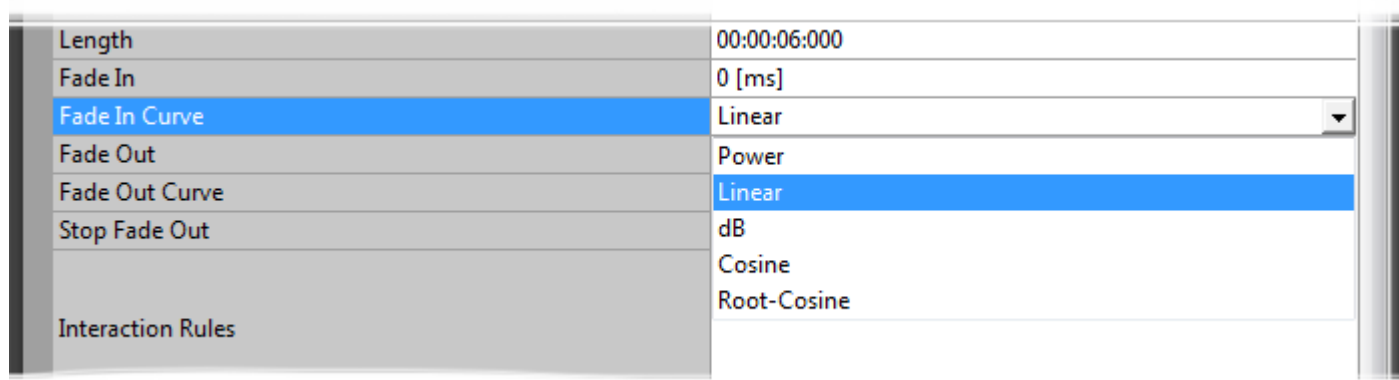
Appearance

The text in Properties Panes is displayed in the font size set in **View > Properties Font Size**.

Properties Fields

Some fields are for 'information only' many others can accept text, numeric values or provide a choice of options.

Clicking in fields other than 'free text' or 'information only' pops up a down arrow. This gives access to the options for the field.



Properties Windows drop-down list

Numeric Fields

Many numeric fields offer a choice of likely values in a drop-down list. If you wish to enter your own value simply click in the number field to produce a cursor and edit the value directly.

Precedence

In general settings made in Show Properties, Cue List Properties and Cue Properties have the following precedence:

Cue Properties settings override Cue List Properties settings and Show Properties settings.

Cue List Properties override Show Properties settings.

Show Properties settings apply when not overridden by either Cue List Properties Settings or Cue Properties settings.

Where exceptions exist to these rules they are noted.



Show Properties

Show Properties

Show

Comments	
Default Stop Fade Out	100 [ms]
Modified Fade In	1.0 [s]
Modified Fade Out	1.0 [s]
Default Interaction Rules	
Default Output Player	<Default Player>
Application Delay Launch	0 [s]
Show Auto Start	No
Show Edit Password	

Show Time Mode

Show Time Mode	Duration
Show Start Time	00:00:00:000
Chase Offset	+00:00:00:000

Show Time Options

Hide Menus	No
Hide Toolbars	No
Freeze Panes	Yes
Show Validation	No
Forbid Editing	No
Hide Properties	Yes
Cue Fire Buttons	No
Focused Cue Flashing Mode	All Cue Lists except Hot Keys and Custom Keys
Show Mode Confirmations	Yes
Saving Confirmations	Yes
Popups Confirmations	Yes
Video Ref. to Internal on Chase Lock	No

Show Logging

TimeCode Generator

TC Gen Output Port	None
TC Gen Pause Mode	Freeze
TC Gen Stop Mode	Off
TC Gen Goto on Ready	Yes

Multi-Sequencer Synchronization

Synchronization Mode	Off
Resynchronize Drifts/Jumps	No
Resynchronize Difference Threshold	1.0 [s]

Show Properties Pane



Show Section

Comments

Free text field where you can add comments to the Show

Default Stop Fade Out

Clicking in the field accesses a drop-down list with a range of fade lengths from 0ms to 20s plus <Default> If the value is set to <Default> then the Cue Fade Out value is used when a Cue is Stopped (interrupted).

Modified Fade In

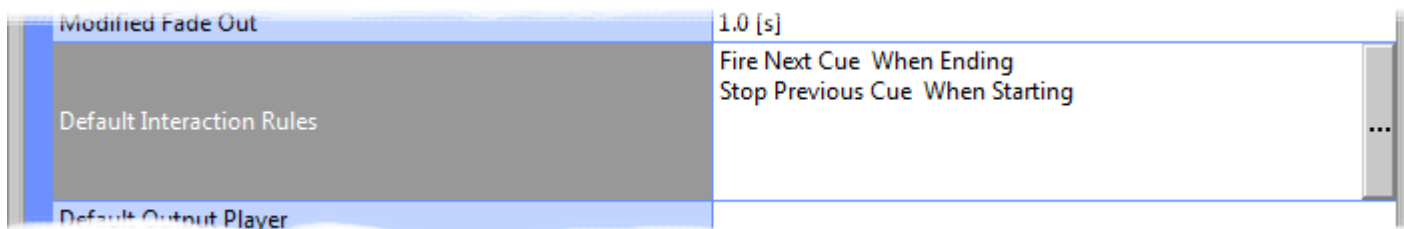
Clicking in the field accesses a drop-down list with a range of fade lengths from 0ms to 20s plus

Modified Fade Out

Clicking in the field accesses a drop-down list with a range of fade lengths from 0ms to 20s

Default Interaction Rules

Field contains a list of all Interaction Rules defined for the current Show. **Note:** Rules shown in this field are all in force at the same time.



Default Interaction Rules Field - Show Properties Pane

Default Output Player

Clicking in the field reveals a button which leads to the **Interaction Rules** dialog.

Clicking in the field reveals a drop-down list with all OV Players installed on networked PCs plus <Default Player> and <Local Player>.

Application Delay Launch

The drop-down list offers the choice of 0 [s] to 60[s].

Show Auto Start

Clicking in the field reveals a drop-down list with the options **Yes** or **No**. When set to **Yes** the Show loaded when Ovation was last exited starts automatically when Ovation is next launched.

Show Edit Password

Click in the field to drop-down the choice of **New Password** or **Reset Password**. The former enables the show to be password protected for editing while the latter resets the password to off.

Show Time Mode Section

Show Time Mode:

Clicking in the field drops down the **Time Mode sub-menu** with the choice of:

Duration

Choose this option to fire timed events in relation to elapsed Show Time

Time of Day

Fires timed events in relation to system clock **Time of Day**

TimeCode chase

Fires timed events in relation to an external (to Ovation) source of Time-Code

Show Start Time

Applicable only in Duration mode defines the starting time of the show. E.g. if the field is set to **00:00:10:000** then, when the Show is started the counter will start at **00:00:10** i.e. 10 seconds into the duration.

Show Time Options Section

Hide Menus:

When set to Yes Menus are hidden during Show Time.

Hide Toolbars:

When set to **Yes** Toolbars are hidden during Show Time.

Freeze Panes:

When set to **Yes** All Panes and Windows are frozen during Show Time. They cannot be resized, moved, docked, undocked, etc...

Note: This includes the Mixer!

Show Validation:

Clicking in the field reveals a drop-down list with **Yes** and **No** options. When set to **Yes** a Show Validation (see below) is performed when Initializing the Show.

Forbid Editing:

When set to **Yes** Editing and recording will be forbidden during Show Time. If this option is set to **No** then Cues can be Copied, Pasted, Deleted, Dragged, etc... and



Audio recordings made during Show Time, allowing for more interactive performances to be achieved. Cues being modified during Show Time are immediately updated. If they are currently playing at that time then the changes will be available for the next playback only. Cues being deleted while playing will continue playing until they end or are manually stopped.

Hide Properties:	Clicking in the field reveals a drop-down list with Yes and No options. When set to Yes Show Properties, Cue List Properties and Cue Properties will be hidden during Show Time. This option is typically used with the previous one.
Cue Fire Buttons	Clicking in the field reveals a drop-down list with Yes and No options. Default is No . When set to Yes , in Show Mode all Cues have Play/Pause and Stop buttons on the left-hand side.
Focused Cue Flashing Mode	For clarity, especially in Shows with many Cue Lists, the Cue with the focus is given a flashing red border in Show Mode. This setting determines which Cue List types flashing mode is applied to. Clicking in the field accesses a drop-down list with the following options: <div style="margin-left: 40px;"> None All Cue Lists All Cue Lists except Hot Keys and Custom Keys </div>
Show Mode Confirmations	Clicking in the field reveals a drop-down list with Yes and No options. When set to No all "Show stopping" and "Show Pausing" dialogs will be disabled during Show Time. Typically disabled for Remote Controlled Shows and during rehearsals. When set to Yes cautionary dialogs will be displayed when performing actions which would Stop , Pause , End or Change the Show.
Saving Confirmations	Clicking in the field reveals a drop-down list with Yes and No options. When set to No , no "Do you want to save..." confirmations will be shown when exiting Ovation.
Popups Confirmations	Clicking in the field reveals a drop-down list with Yes and No options. When set to No , no confirmation pop-ups for actions such as closing Cue Lists will be shown.

Show Logging Section

Enable Logging	Clicking in the field reveals a drop-down list with Yes and No options. When Logging is enabled by setting to Yes the following settings will apply:
New Log File	Clicking in the field reveals a drop-down list with Every Show , Every Day , Every Week and Every Month options. Choose the option appropriate to your needs.
Log File Name Structure	Clicking in the field reveals a drop-down list with Station Name , Station Name / Show Name , Station Name / Date and Station Name / Show Name / Date options. This option determines how the generated Log File will be labelled.
Log File Format	Clicking in the field reveals a drop-down list with ASCII Text (.log) , XML (.xml) and Enco DAD log file (.exp) options.
Log File Folder	Clicking in the field reveals a drop-down list with a Browse option. Clicking on Browse opens a File Browser to navigate to the required Log output Folder.

TimeCode Generator Section

The Show TimeCode can be output to any available TimeCode Output Port. This can be LTC, if Ovation is running with a Mykerinos card, or a MIDI MTC port enabled in **Settings > Application Settings > Player Units > MIDI**.

TC Gen Output Port	Currently selected Output Port is shown. The drop-down list shows all available TC outputs. This can be LTC, if Ovation is running with a Mykerinos card, or a MIDI MTC port.
TC Gen Pause Mode	The drop-down list offers a choice of: <div style="margin-left: 40px;"> Off TC output ceases when the Show is paused Freeze TC freezes at current value when Show is paused Free Roll TC continues to run when Show is paused </div>
TC Gen Stop Mode	The drop-down list offers a choice of: <div style="margin-left: 40px;"> Off TC output ceases when the Show is paused </div>



Freeze	TC continues to generate current value when Show is paused
Free Roll	TC continues to generate and increment value when Show is paused
TC Gen Goto on Ready	Clicking in the field reveals a drop-down list with Yes and No options. If Yes (enabled) the Start Time is generated continuously on the output port when the Cue is made Ready, to allow a Slave device to commence locating to the Start Time in advance of the Cue being fired.

Multi-Sequencer Synchronization Section

Synchronization Mode	The drop-down list offers the choice of Master , Slave or Off .
Resynchronize Drifts/Jumps	Determines whether or not re-synchronization will take place when a sync drift or jump is detected. The drop-down list offer the choice of Yes or No .
Resynchronize Difference threshold	Determines how far out of sync a sequencer must be before re-synchronization takes place. Type the desired threshold in the field. Default is 1.0[s] .

Note: Synchronization is sample accurate provided Master and Slave TIME is in sync. I.e. TimeCode Chase. A pre-roll of up to two seconds is required before output begins from a slave Ovation.

If this is critical in your application add two seconds of silence to Cues which start at the very beginning of the Show. Or use a TC/IP Command.

One method of achieving Time synchronization across several Ovations is to use a GPS source.

Note: Before Multi-Sequencer Synchronization can be used an IP connection must be established between the Master and Slave machines in **Settings > Application Settings > General > IP**. Cues are configured for synchronization in **Cue Properties**. Please see: **TCP/IP Connections** on page 156



Cue List Properties

Cue List Properties

Cue List

Number

3

Name

Cue List 3

Comments

Automatic Cue Numbering

Yes

Hidden

No

Default Stop Fade Out

<Default>

Default Interaction Rules

Default Output Player

Timed Cue List

Timed Mode Chasing

No

Timed Mode TC Chase Source

Show Time

Timed Mode Start Time

00:00:00:000

Timed Mode Pauses Cues

Yes

Timed Mode Stops Cues

Yes

TimeCode Generator

TC Gen Output Port

MTC 1

TC Gen Pause Mode

Freeze

TC Gen Stop Mode

Off

TC Gen Goto on Ready

Yes

Hot Keys

Hot Keys Number of Columns

Auto

Hot Keys Column to Audio Slot Mapping

No

Custom Keys

Custom Keys Grid Size

20

Audio

Audio Output Slot

<Use Cue Slot>

Cue List Properties Pane

Note: Some fields will be grayed out and sections collapsed depending on the Cue List selected currently.

Cue List Section

Number

Position in the list of **Cue Lists** of the currently selected **Cue List**. The Drop-down list enables the position to be changed. The rest of the list is re-ordered to suit. I.e. the other Cue Lists are automatically re-numbered as necessary. For example, if the selected Cue List is currently no.**2** of five then changing its **Number** to **1** places it at the beginning of the list. The previous no.**1** becomes **2** and everything else stays put. If Cue List **2** is re**Numbered 4**, then **1** stays where it is, **3** moves up to the empty **2** slot, **4** moves up to **3** and **5** stays where it is.

Name

Name (can be changed here)

Comments

Free text field where you can add comments to the Cue List



Automatic Cue Numbering	Default is On for Standard and Timed CueLists. Default is Off for Hot Key and Custom Key CueLists. Click in the field to toggle On/Off . When Off new Cues added will still be numbered consecutively but these numbers can be removed in the Cue Properties pane. Cue number is then determined by position in the Cue List.
Hidden	When checked the Cue List will not be visible in Show Mode. This is useful for management CueLists which contain logical instructions which are not relevant to the operator running the show.
Default Stop Fade Out	Clicking in the field accesses a drop-down list with fade times from 0ms to 20s plus <default> . If the value is set to <Default> then the Cue Fade Out value is used when a Cue is Stopped (interrupted).
Default Interaction Rules	Field contains a list of all Interaction Rules defined for the current Cue List. Note: Rules shown in this field are all in force at the same time. Clicking in the field reveals a button which leads to the Interaction Rules dialog
Default Output Player	Clicking in the field reveals a drop-down list with all OV Players installed on networked PCs plus the currently defined Show <Default Player> and <Local Player> . When <Default Player> is selected nothing is shown in the box and the player used will depend on the parent choices. I.e. in the Show.

Timed Cue List Section

Timed Mode Chasing	Yes or No When Yes (enabled) the Cue List is fired in relation to the TimeCode source values. When No (disabled) events are fired in relation to Show elapsed time. Timed Mode Start Time introduces an offset.
Timed Mode TC Chase Source	When Timed Mode Chase is enabled sets the TC source to be chased. Options in the drop-down list are Show Time or any available TC input.
Timed Mode Start Time	Offsets the Cue List start time values. Only available when Timed Mode Chasing is not enabled.
Timed Mode Pauses Cues	
Timed Mode Stops Cues	

TimeCode Generator Section

The Cue List TimeCode can be output to any available TimeCode Output Port. This can be LTC, if Ovation is running with a Mykerinos card, or a MIDI MTC port enabled in **Settings > Application Settings > Player Units > MIDI**.

TC Gen Output Port	Currently selected Output Port is shown. The drop-down list shows all available TC outputs. This can be LTC, if Ovation is running with a Mykerinos card, or a MIDI MTC port.
TC Gen Pause Mode	The drop-down list offers a choice of: <ul style="list-style-type: none"> Off TC output ceases when the Cue List is paused Freeze TC freezes at current value when Cue List is paused Free Roll TC continues to run when Cue List is paused
TC Gen Stop Mode	The drop-down list offers a choice of: <ul style="list-style-type: none"> Off TC output ceases when the Cue List is paused Freeze TC continues to generate current value when Cue List is paused Free Roll TC continues to generate and increment value when Cue List is paused
TC Gen Goto on Ready	Yes or No . If Yes (enabled) the Start Time is generated continuously on the output port when the Cue is made Ready, to allow a Slave device to commence locating to the Start Time in advance of the Cue being fired.

Hot Keys Section

Hot Keys number of Columns Clicking in the field drops down a list with the choices of **Auto** (default) or **1 - 8**.

Note: When the Number of Columns is set to **Auto** then the system automatically adjusts the number of columns, but still follows the Automatic Cues Numbering setting and leaves empty slots if necessary.



Hot Keys Column to Audio Slot Mapping

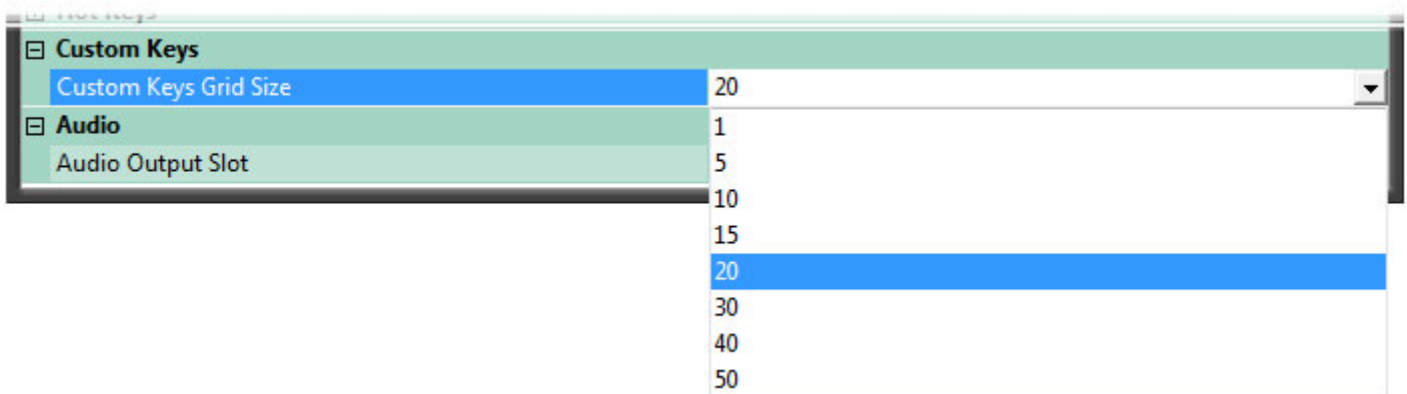
- If set to **No** all Cues are played back in the Audio Output Slot defined in their Cue Properties.
- If set to a number (**1, 2**, etc...) then the Cues are played back in an Audio Slot corresponding to the Hot Keys Column. In this way Hot Keys Cues can be assigned to Audio Output by the Column in which they are placed.

Note: In this mode the actual Audio Output Slot(s) is computed as Cue Column Number multiplied by the Hot Keys Column to Audio Slot Mapping. This allows handling Mono (1), Stereo (2), Surround (6), etc... Cues.

The order of precedence is:

- The **Cue List** Audio Output Slot is used first if not set to **<Use Cue Slot>**
- The **Hot Keys Column to Audio Slot Mapping** is then used if not set to **"No"**
- The **Cue** individual Audio Output Slot is then used if none of the above applies.

Custom Keys Section



Cue List Properties Pane - Custom Keys Section

Custom Keys Grid Size

Click in the field to reveal the down arrow. You can either pick a value from the drop-down menu or type directly in the left-hand side of the field.

Note: The **Timed Cue List** and **TimeCode Generator** sections are collapsed and fields are greyed out for non Timed Cue Lists and the **Custom Keys** section is collapsed and fields grayed out for non Custom Keys Cue Lists.



Audio Section

The screenshot shows the 'Audio' section of the 'Cue List Properties Pane'. The 'Audio Output Slot' field is selected, and its dropdown menu is open, displaying the following options:

- <Use Cue Slot>
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- Please type higher values manually

Cue List Properties Pane - Audio Section

Audio Output Slot

Click in the field to reveal the down arrow. You can either pick a value from the drop-down menu or type directly in the left-hand side of the field.

Note: This setting applies to every Cue in the list. This value takes precedence over the individual Cue Output Slot, if set, for the Cue list. The default value is **<use Cue Slot>**.



Cue Properties

Cue Properties ✕

[-] Cue

Number	1
Name	steampasses
Comments	
Pinned to Active Cue Window	Yes
Length	00:00:17:144
Fade In	3.7 [s]
Fade In Curve	Linear
Fade Out	0 [ms]
Fade Out Curve	Linear
Stop Fade Out	<Default>
Interaction Rules	
Ignore Parent Rules	No
Output Player	

[+] Markers

[+] Timed Cue

[+] Hot Key

[+] Custom Key

[-] Audio

Offset	+00:00:07:895
Gain	0.00 dB
Audio Output Slot	1
Audio Media	D:\Merging from Dark Materials\Wav files imported from old machine\Sound Effects\steampasses-5536-40D5-A847-D2F6F4388CC6}.pmf
Sampling Rate	44100 Hz

[+] Microphone / Input Switch

[+] TimeCode Generator

[+] MMC

[+] MIDI File

[+] MIDI Command

[+] Sony P2 / RS422

[+] COM Command

[+] IP Command

[+] GPO

[+] Shell Command / Script / Batch

[+] Mixer Automation

[+] REMOTE CONTROL: General MIDI Command

[+] REMOTE CONTROL: IP Command

[+] REMOTE CONTROL: Multi-Sequencer Synchronization

[+] REMOTE CONTROL: Dataton Synchronization

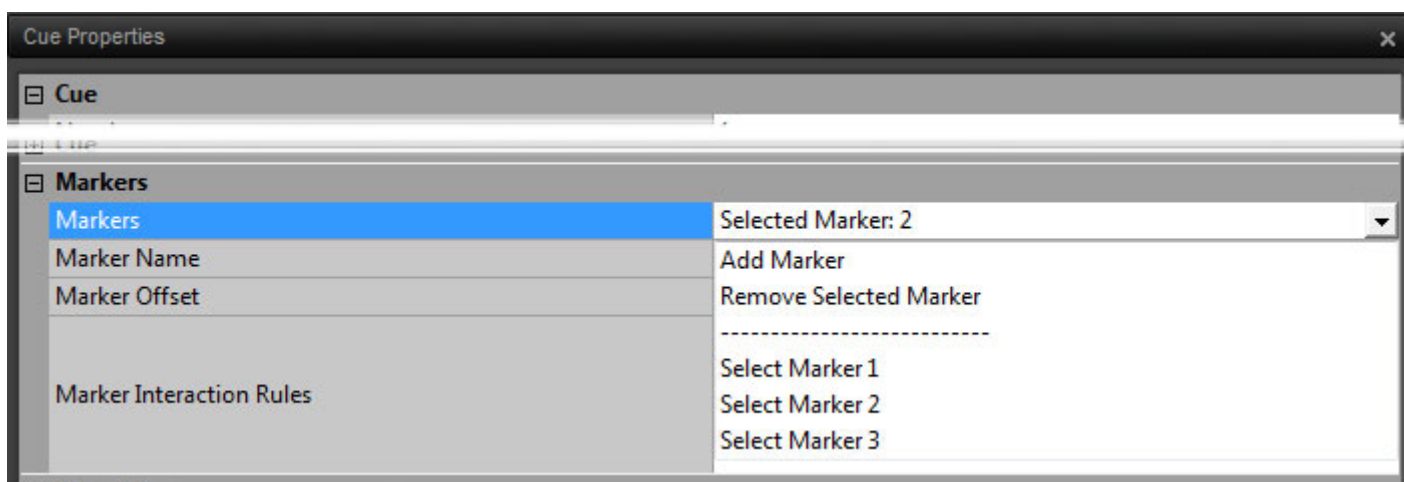
Cue Properties Pane



Cue Section

Number	Number of the currently selected Cue. (Information only)
Name	Name (can be changed here)
Comments	Free text field where you can add comments to the Cue List
Pinned to Active Cue Window	When set to Yes (default) the Cue will be displayed in the Active Cue Window when playing in Show Mode with the Pinned button active.
Length	Length of Cue is shown and can be defined here
Fade In	Clicking in the field accesses a drop-down list with fade times from 0ms to 20s
Fade in Curve	Clicking in the field accesses a drop-down list with a choice of fade characteristics. Power Linear dB Cosine Root-Cosine
Fade Out	Clicking in the field accesses a drop-down list with fade times from 0ms to 20s
Fade Out Curve	Clicking in the field accesses a drop-down list with a choice of fade characteristics. Power Linear dB Cosine Root-Cosine
Interaction Rules	Field contains a list of all Interaction Rules defined for the current Cue List. Note: Rules shown in this field are all in force at the same time. Clicking in the field reveals a button which leads to the Interaction Rules dialog.
Ignore Parent Rules	Determines whether child (nested) Cues follow the rules defined for the parent. Clicking in the field reveals a Drop-down list with a choice of Yes or No .
Output Player	Shows the currently defined OV Player for this Cue. Clicking in the field reveals a drop-down list with all OV Players installed on networked PCs plus the currently defined Show <Default Player> and <Local Player> When <Default Player> is selected nothing is shown in the box and the player used will depend on the parent choices. I.e. in the Cue List or Show.

Markers Section .



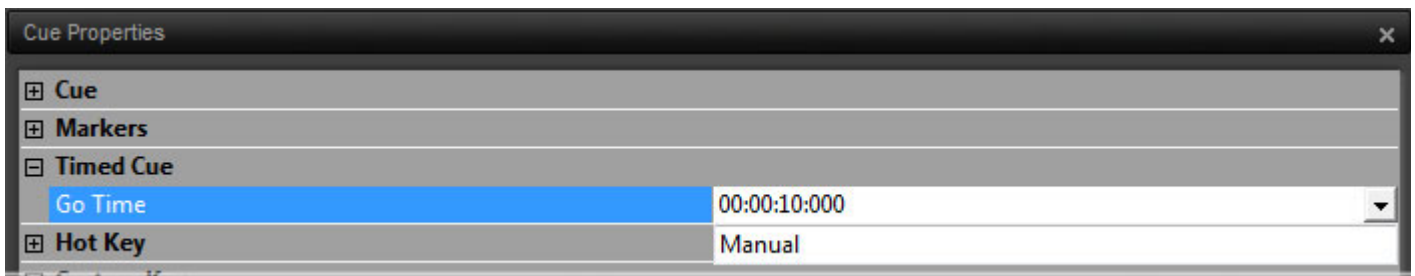
Cue Properties - Markers Section - Markers field

Markers	Clicking in the Selected Marker: x field or on the down arrow drops-down the Marker Menu
----------------	--



Add Marker	Adds a new Marker at the current Audition Cursor position. Note: Subsequent existing Markers will be renumbered.
Remove Selected Marker	The selected Marker is deleted. Note: Subsequent Markers will be renumbered.
Marker Name	Click in the field and type to add a Name to the Marker. This name will be shown in the Active Cue window Timeline.
Select Marker 1	Selects Marker 1 .
Select Marker 2	Every marker added will show up here and a Select Marker x entry.
Marker Offset	Shows the Marker Offset from the beginning of the Cue. (Does not include any Start (Preroll) Offset applied to the Cue.) Clicking in the field enables a new value to be typed. Clicking the down arrow drops-down a list with the option of Reset . This resets the Marker position to the current Audition Cursor position in the Active Cue Window Timeline. (A negative offset is shown if the Cursor position is before the start of the Cue.)
Marker Interaction Rules	Shows a list of all Interaction Rules applied to the Selected Marker. Clicking in the field shows a ... button. Clicking on this opens the Marker Interaction Rules dialog. Please see below.

Timed Cue Section

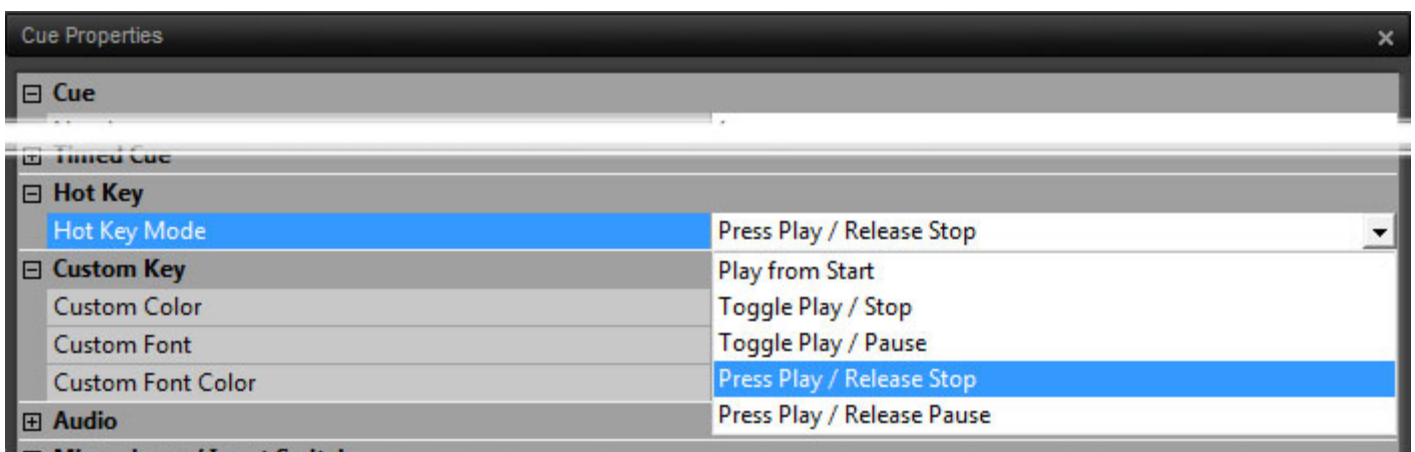


Timed Cue section - Cue Properties Pane

Go Time	Cue Fire Time shown and can be defined here or set to Manual . Only applies to Cues in Timed Cue Lists
----------------	---

Note: The **Timed Cue** section is collapsed and **Go Time** field is greyed out in non Timed Lists

Hot Key Section



Hot Key Mode Drop-down List - Cue Properties Pane

Only applicable to **Hot Key** and **Custom Key** Cue Lists. Shows current **Hot key Mode** for the selected Cue. Clicking in the field reveals a Drop-down list with a choice of Hot Key behaviors

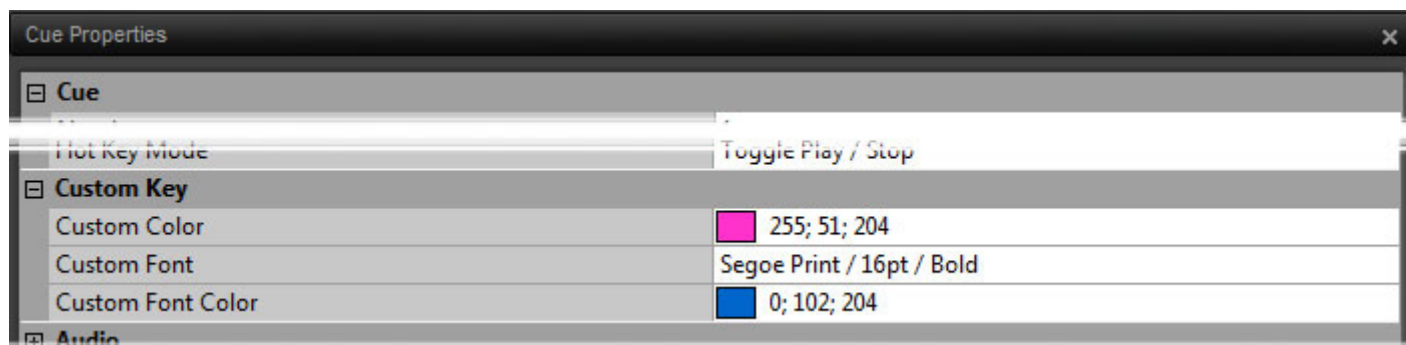
Hotkey Mode

Play from Start



Toggle Play / Stop
Toggle Play / Pause
Press Play / Pause
Press Play / Release Stop
Press Play / Release Pause

Custom Key Section



Custom Key section - Cue Properties Pane

Note: The **Custom Color** field in the **Custom Key Section** is also available for **Hotkeys**, however the **Custom Font** and **Custom Font Color** fields are not.
In a **Standard** or **Timed** Cuelist **Custom Color** affects the label background only and **Custom Font** is also available.

Custom Color	Click in the field to reveal the ... and drop-down arrow buttons. Clicking on ... opens a standard Color Picker. The drop-down accesses the default.
Custom Font	Click in the field to reveal the ... button. Clicking on this opens a standard Font dialog with a list of all installed fonts. You can also choose the font style and size. The drop-down accesses the default.
Custom Font Color	Click in the field to reveal the ... button. Clicking on this opens a standard Color Picker. The drop-down accesses the default.



Audio Section

Cue Properties	
<input type="checkbox"/> Cue	
<input type="checkbox"/> Master	
<input type="checkbox"/> Custom Key	
<input checked="" type="checkbox"/> Audio	
Offset	+00:00:00:000
Gain	0.00 dB
Audio Output Slot	+6.0 dB
Audio Media	+5.0 dB
Sampling Rate	+4.0 dB
<input checked="" type="checkbox"/> Microphone / Input Switch	+3.0 dB
<input checked="" type="checkbox"/> TimeCode Generator	+2.0 dB
<input checked="" type="checkbox"/> MMC	+1.5 dB
<input checked="" type="checkbox"/> MIDI File	+1.0 dB
<input checked="" type="checkbox"/> MIDI Command	+0.5 dB
<input checked="" type="checkbox"/> Sony P2 / P5422	0 dB
	-0.5 dB

Audio section - Cue Properties Pane

Offset	Determines the starting point of the Cue within the Media File. Offsets must be positive only.
Gain	Clicking in the field enables values to be typed directly. The value entered here determines the gain offset the Cue will be played with. Negative values attenuate, positive amplify. Clicking on the down arrow accesses a drop-down list of Gain values. Clicking on the ... button opens the Cue Gain fader dialog. Please see: Cue Gain on page 120
Audio Output Slot	Shows the Output Slot number. Clicking in the field enables a new number to be typed. Please see: Audio Output Slots on page 123
Audio Media	Shows the full path to the Audio Media of the Cue whether single file or Multiple Files. When the right-hand down arrow is clicked a drop-down list appears with the choice of Replace and Remove the current Audio Media Files.
Sampling Rate	Information only - shows the Cue sampling rate.

Note: The **Length** and **Audio Offset** fields in the Cue Properties have a Reset option accessed by clicking on the button on the right side of the field. The **Go Time** field in Cue Properties has a **Manual** option accessed by clicking on the button on the right side of the field to reset it to Manual Fire.

Note: Cue > **Link Offsets/StartTimes** and the **Link Offsets/StartTimes** icon in the **Active Cue** pane Links all Audio, TCGen, MMC and 9-pin (Sony P2) Offsets and Start Times in a Cue with these properties. The button toggles on/off and it's state is not saved when a different Cue is Active. When enabled all related fields in the Cue Properties pane turn red for clarity.

Microphone Switch Section

This section allows a range of Mixing Console Inputs to be defined. All Inputs in the range will be switched to Input when the Cue is Fired and returned to Repro when the Cue ends.

First Mic / Input Slot	Click in the field and type the number of the first Mic Input Slot to be switched automatically.
Last Mic / Input Slot	Click in the field and type in the number of the last Mic Input to be switched automatically.



TimeCode Generator Section

The Cue TimeCode can be output to any available TimeCode Output Port. This can be LTC, if Ovation is running with a Mykerinos card, or a MIDI MTC port enabled in **Settings > Application Settings > Player Units > MIDI**.

TC Gen Output Port	Currently selected Output Port is shown. The drop-down list shows all available TC outputs. This can be LTC, if Ovation is running with a Mykerinos card, or a MIDI MTC port.
TC Gen Start Time	The First TimeCode value that will be output when the Cue is Fired.
TC Gen Pause Mode	The drop-down list offers a choice of:
Off	TC output ceases when the Cue is paused
Freeze	TC freezes at current value when Cue is paused
Free Roll	TC continues to run when Cue is paused
TC Gen Stop Mode	The drop-down list offers a choice of:
Off	TC output ceases when the Cue is paused
Freeze	TC continues to generate current value when Cue is paused
Free Roll	TC continues to generate and increment value when Cue is paused
TC Gen Goto on Ready	Yes or No . If Yes (enabled) the Start Time is generated continuously on the output port when the Cue is made Ready, to allow a Slave device to commence locating to the Start Time in advance of the Cue being fired.

Note: The **TimeCode Generator** section is collapsed and fields are greyed out for non timed Cues.

MMC Section

MMC Output Port	Clicking in the field reveals a down arrow to access a drop-down list of all available MIDI ports
MMC Start Time	When a valid output port is selected in the previous field a start time may be entered here.

Note: When the Cue is fired, an MMC Play command is sent; when the Cue is paused, a MMC Pause command is sent; when the Cue is stopped a MMC Stop command is sent.

MIDI File Section

MIDI Output Port	Clicking in the field reveals a down arrow to access a drop-down list of all available MIDI ports
MIDI File Path Name	When a valid output port is selected in the previous field clicking in the field reveals a down arrow with the choice of Replace or Remove . Clicking on Remove removes the current path (if any) Clicking on Replace opens the Open MIDI Files browser window. Navigate to the required file and click on Open .

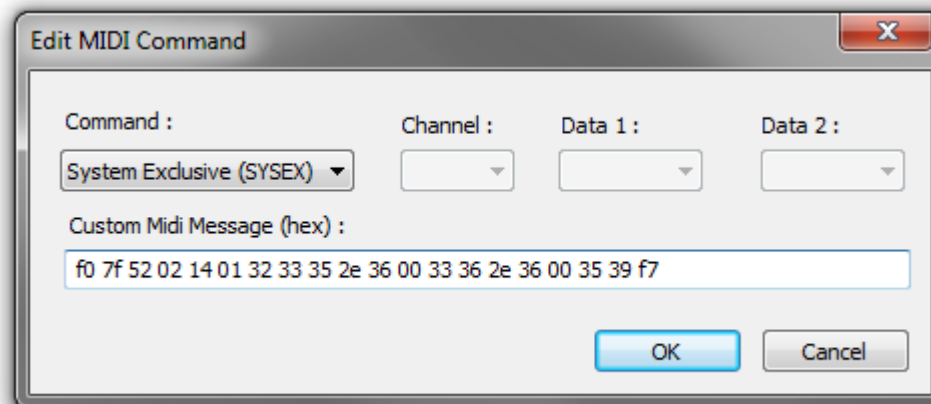
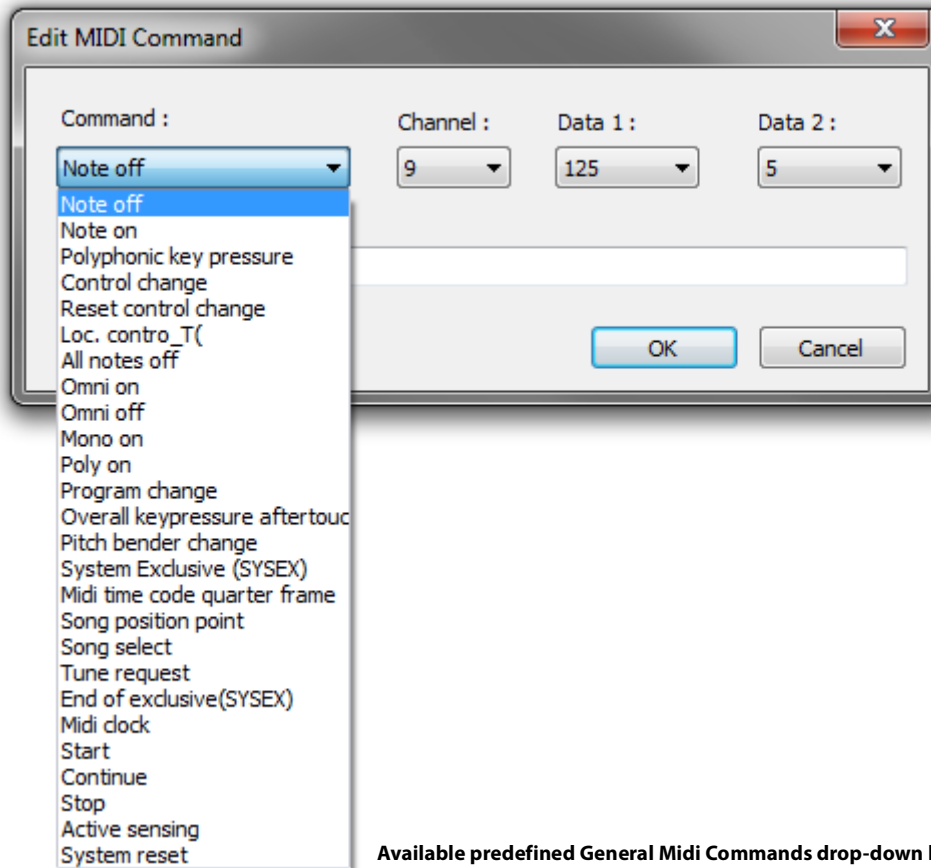
Note: The drop down menu (MIDI 1, GPO, etc.) lists all the devices installed on the machine but does indicate which devices are available/enabled in the system. (to be improved in a next release).

MIDI Command Section

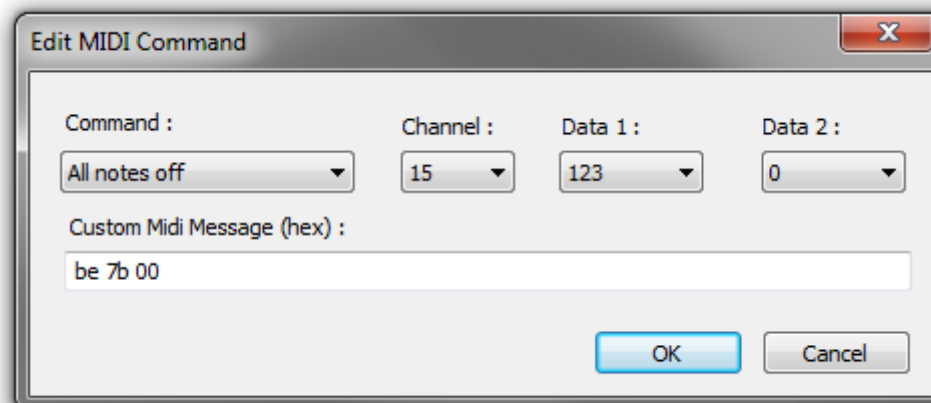
MIDI Command Output Port	Clicking in the field reveals a down arrow to access a drop-down list of all available MIDI ports
MIDI Fire Command	Click in the field to reveal the ... box. Click on this to open the Edit MIDI Command dialog.
MIDI Pause Command	Click in the field to reveal the ... box. Click on this to open the Edit MIDI Command dialog.
MIDI Stop Command	Click in the field to reveal the ... box. Click on this to open the Edit MIDI Command dialog.



Examples of the Edit MIDI Command Dialog



An example of a MSC Sysex (Go command of the Cue 235.6, Cue list 36.6, path 59)



An example of a General Midi command



Note: when you use the **Custom Midi Message** edit line, the drop-down menus above are updated if the message is recognized

Sony P2 / RS422 Section

Sony P2 / RS422 COM Port Shows the current Com Port or **None**. The drop down shows a list of all Com ports.

Sony P2 / RS422 Start Time

Note: When the Cue is fired, a P2 Play command is sent; when the Cue is paused, a P2 Jog [0] command is sent; when the Cue is stopped a P2 Stop command is sent.

Please see also: **Sony P2 over IP 0** on page 161

COM Command Section

COM Command Output Port Shows the current Com Port or **None**. The drop down shows a list of all Com ports.

Command Format Click in the field to drop-down the choice of **Hexadecimal** or **ASCII**.

COM Fire Command Click in the field to type a command.

COM Pause Command Click in the field to type a command.

COM Stop Command Click in the field to type a command.

Note: COM Commands can be used to control suitably equipped external devices via serial control. For example you could send a POWER ON command to fire up a projector, or you could send a command line like Command=Cue_Fire &CueList=2 &Cue=1. Each device manufacturer should provide a list of available commands.

IP Command Section

IP Command Output Port Shows the current IP Port or **None**. The drop down shows a list of all available IP ports

Command Format Click in the field to drop-down the choice of **Hexadecimal** or **ASCII**.

IP Fire Command Click in the field to type a command.

IP Pause Command Click in the field to type a command.

IP Stop Command Click in the field to type a command.

Note: IP Commands can be used to control suitably equipped external devices via ethernet. For example you could send a POWER ON command to fire up a projector. Each device manufacturer should provide a list of available commands.

GPO Section

Sony P2 / RS422 Start Time	
00:00:00:00	
<input checked="" type="checkbox"/> GPO	
GPO Output Port	GPO 1
GPO Output Pin	6
GPO Ready State	Down
GPO Fire State	Up
GPO Pause State	Down
GPO Stop State	Down
GPO Duration	50 [ms]
	Infinite

Audio section - Cue Properties Pane

GPO Output Port A physical GPO device assigned to that port.

GPO Output Pin The output pin of the GPO device to trigger.

GPO Ready State The state of the output pin when the Cue enters the **Ready** condition.

GPO Fire State The state of the output pin when the Cue is **Fired**.

GPO Pause State The state of the output pin when the Cue is **Paused**.



GPO Stop State

The state of the output pin when the Cue is **Stopped**.

GPO Duration

The time in milliseconds during which the state is maintained. (Pulse length)

Note: Up and Down means:

Up

the circuit between **Common** and the **Pin#** is **closed**

Down

the circuit between **Common** and the **Pin#** is **open**

Shell Command / Script / Batch Section

Shell Command/Script/Batch section - Cue Properties Pane

Fire Command

Fire Command Parameters

Fire Command Default Directory

Pause Command

Pause Command Parameters

Pause Command Default Directory

Stop Command

Stop Command Parameters

Stop Command Default Directory

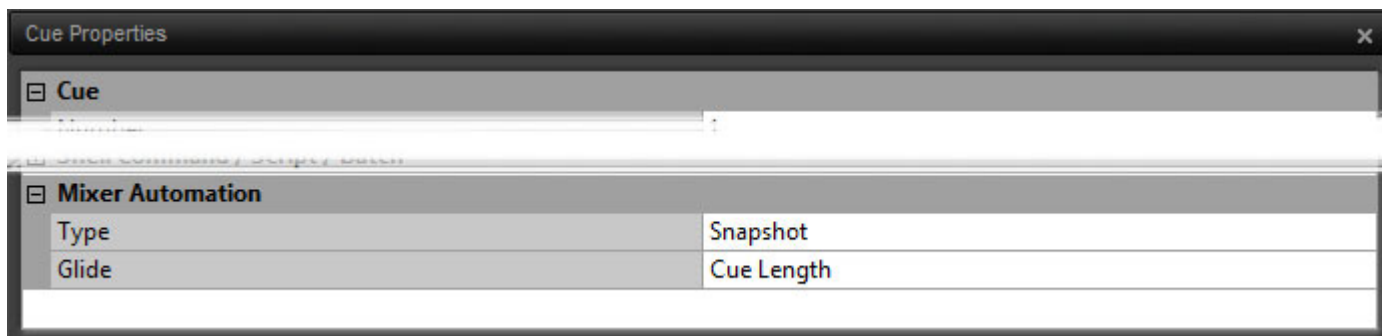
A Shell Command requires three parameters:

- The Application name or command (acrobat.exe, myscript.bat, etc...)
- The Parameters modifying this command (optional) (- filename, - load, - verbose, etc... or whatever required by the command itself)
- The Default Directory (optional) (some commands or applications need to run from a given folder where required files are present)

Note: There is a separate set of parameters for each Fire, Pause and Stop event.



Mixer Automation



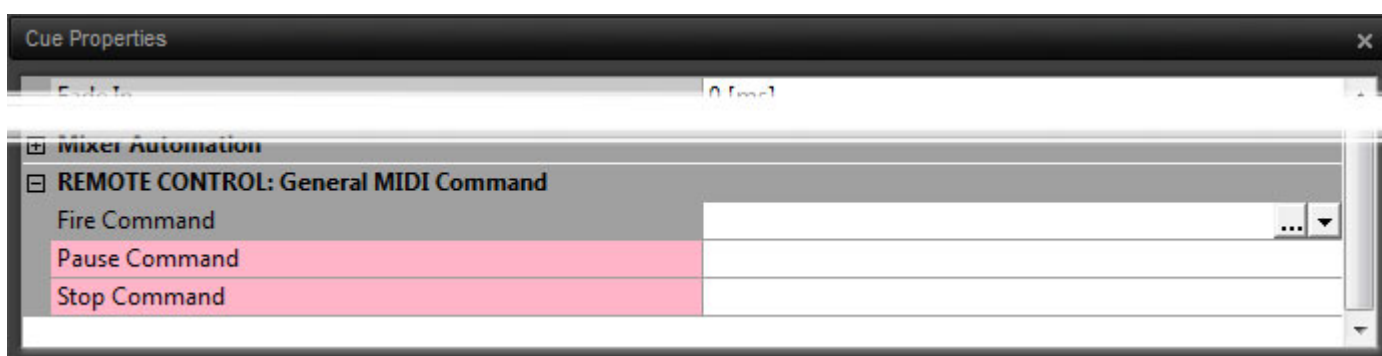
Mixer Automation section - Cue Properties Pane

Type

Please see: [Snapshot Automation](#) on page 51 for details.

Glide

REMOTE CONTROL: General MIDI Command



REMOTE CONTROL: General MIDI Command section - Cue Properties Pane

MIDI Command Input Port Click in the field to drop-down a list of available ports.

Fire Command Click in the field to reveal the ... button and down arrow.

Pause Command Click in the field to reveal the ... button and down arrow.

Stop Command Click in the field to reveal the ... button and down arrow.

For each of the commands clicking on the ... button opens the **MIDI Command Learn** dialog. Clicking on the down arrow offers the choice of **<None>** or **<Learn>**. None removes the existing mapping whilst Learn also opens the **MIDI Command Learn** dialog.

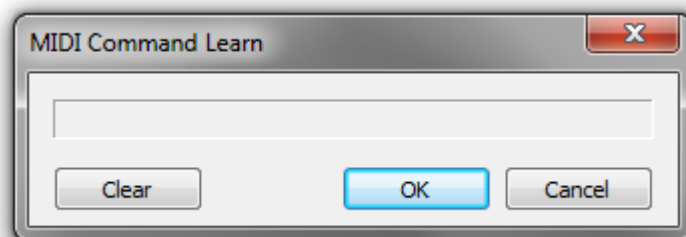
Note: Before attempting remote control of Cues in this way check the **Controller Settings** in **Settings > Application Settings > Controller Units > MIDI**.

In order for direct MIDI Command mapping to work for the given physical or logical MIDI port the option **Enable direct Cue mapping of MIDI messages from the selected Virtual MIDI Port** in the **General Midi (GM)** section must be checked. Commands coming from the given physical or logical MIDI Port will be seen in the **MIDI Command Learn** dialog as coming from the selected **Virtual MIDI Port** at the top of the MIDI settings page. This enables the physical MIDI port to be changed easily without having to redo the entire mapping).

Note: A useful possibility is to be able to map **Note On** to the **Fire Command** and **Note Off** to the **Stop Command** to emulate the Hot Keys **Press Play/Release Stop** mode.



MIDI Command Learn



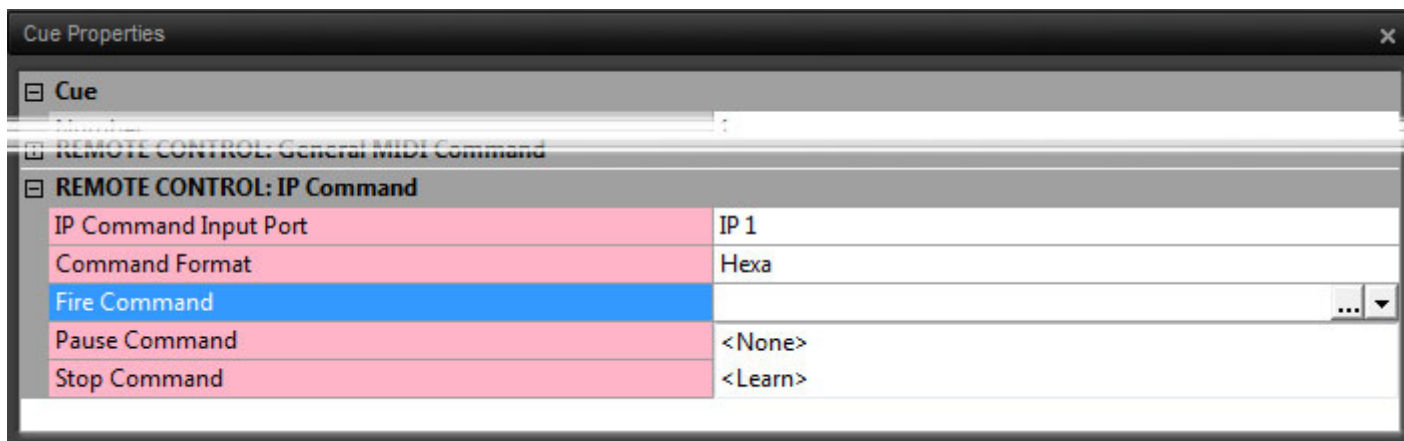
MIDI Command Learn dialog

The main field displays incoming MIDI Commands. After opening the dialog from one of the **Fire**, **Pause** or **Stop** Command fields, send the MIDI command you wish to map to Ovation and, when you see it in the field, click on **OK** to complete the mapping and close the dialog.

Clear clears the field if the command is incorrect and

Cancel closes the dialog without completing the mapping.

REMOTE CONTROL : IP Command



REMOTE CONTROL: IP Command section - Cue Properties Pane

IP Command Input Port	Click in the field to drop-down a list of available ports.
Command Format	Click in the field to drop-down the choice of Hexadecimal or ASCII .
Fire Command	Click in the field to reveal the ... button and down arrow.
Pause Command	Click in the field to reveal the ... button and down arrow.
Stop Command	Click in the field to reveal the ... button and down arrow.

For each of the commands clicking on the ... button opens the **IP Control Fire/Pause/Stop Learn** dialog. Clicking on the down arrow offers the choice of **<None>** or **<Learn>**. None removes the existing mapping whilst Learn also opens the **IP Command Learn** dialog.

Note: Before attempting remote control of Cues in this way check the **Controller Settings** in **Settings > Application Settings > Controller Units > IP**.



REMOTE CONTROL: Multi-Sequencer Synchronization

Cue Properties	
REMOTE CONTROL: Multi-Sequencer Synchronization	
Synchronization Mode	Slave
Synchronization Token	<Cue Name / CueList Name>
Resynchronize Drifts/Jumps	Yes
Synchronize Pause	Yes
Synchronize Stop	Yes

REMOTE CONTROL: Multi-Sequencer Synchronization section - Cue Properties Pane

- Synchronization Mode** Click in the field for the choice of **Master**, **Slave** or **Off**.
- Synchronization Token** Ovation generates the Synchronization Token automatically from the Cue Name and CueList Name, Master and Slave Tokens MUST match. (case sensitive).
- Note:** If for some reason automatic Token generation is unsuitable. E.g. because the Cue on the Master Ovation is named **Bach** and the Cue on the Slave is named **Bach back** then a Token value may be typed in the field. (The same Token Value MUST be used on Master and Slave Ovations).
- Resynchronize Drifts/Jumps** Determines whether or not re-synchronization will take place when a sync drift or jump is detected. The drop-down list offer the choice of **Yes** or **No**.
- Synchronize Pause** Click in the field for the choice of **Yes** or **No**. When set to **Yes** if the Master Cue is Paused the Slave Cue also Pauses.
- Synchronize Stop** Click in the field for the choice of **Yes** or **No**. When set to **Yes** if the Master Cue is Stopped the Slave Cue also Stops.
- Note:** Before attempting to synchronize Cues in this way an IP connection must be established between the Master and Slave machines in **Settings > Application Settings > General > TCP/IP Connections** and Multi-Sequencer Synchronization must be switched on and configured as Master or Slave in **Show Properties**.

Please see: **TCP/IP Connections** on page 156



REMOTE CONTROL: Dataton Synchronization

The screenshot shows the 'Cue Properties' window with the 'REMOTE CONTROL: Dataton Synchronization' section expanded. The section contains the following fields:

Property	Value
Synchronization IP Port	IP 8
Synchronization Token	<Cue Name>
Resynchronize Drifts/Jumps	Yes
Synchronize Pause	Yes
Synchronize Stop	Yes

REMOTE CONTROL: Dataton Synchronization section - Cue Properties Pane

Synchronization IP Port Click in the field to drop-down a list of available ports. The Port selected **MUST** be the port associated with the target machine running the Dataton video player.

Synchronization Token The name typed here determines which Dataton Timeline. is linked to the Cue.

Note: If for some reason automatic Token generation is unsuitable. E.g. because the Cue on the Master Ovation is named **Score** and the Timeline on the remote Dataton is named **Movie** then a Token value may be typed in the field. (The Token Value **MUST** match the name of the Dataton Timeline you wish to synchronize.)

Resynchronize Drifts/Jumps Determines whether or not re-synchronization will take place when a sync drift or jump is detected. The drop-down list offer the choice of **Yes** or **No**.

Synchronize Pause Click in the field for the choice of **Yes** or **No**. When set to **Yes** if the Master Cue is Paused the Slave Dataton Timeline also Pauses.

Synchronize Stop Click in the field for the choice of **Yes** or **No**. When set to **Yes** if the Master Cue is Stopped the Slave Dataton also Stops.

Note: Before attempting to synchronize Cues in this way an IP connection must be established between the Master Ovation and Slave Dataton machines in **Settings > Application Settings > General > TCP/IP Connections**.

Please see: **TCP/IP Connections** on page 156



Interaction Rules

Overview

Interaction Rules are one of the most powerful features of Ovation.

Interaction rules affect what happens to other Cues and Cue Lists when a Cue is Fired or Stopped. All selected Rules apply together so it is possible to arrive at a situation where nothing will play at all!

Rules set in **Show Properties** are global. I.e. they apply to every Cue List and Every Cue unless overridden by Rules set in **Cue List Properties** or **Cue Properties**.

Rules set in **Cue List Properties** apply to all Cues in the Cue List unless they are overridden by Rules set in **Cue Properties**.

Rules include an optional offset

Rules can be conditional. A rule can be triggered based on the state of another Cue (Fired, Paused or Stopped).

A Cue can fire itself through a Rule. This is how to make a Cue Loop.

When an Interaction Rule points to a Cue List as Target, then:

- If the Cue List is a Timed Cue List, then the Cue List Time is Started, Paused or Stopped (equivalent to the Cue List Start, Pause or Stop buttons).
- If the Cue List is **NOT** a Timed Cue List then the **FIRST** Cue in the list is Fired, or **ALL** Cues are Paused, Stopped or Dimmed.

Adding Rules

There are several ways of adding rules. You can use **Cue > Add rule** or the right-click context menu to add simple rules to a Cue directly. For more complex compound interactive rules the **Interaction Rules** dialog is used.

Adding Simple Rules

Select a Cue and either go to **Cue > Add Rule** or right-click on a Cue and go to **Add > Rule** in the context menu.

The list of available Rules is the same whichever method you choose:

Fire Next Cue when Ending

Fire Next Cue when Stopping

Fire All Child Cues when Stopping

Stop Previous Cue when Starting

Stop All Cues in Cue List when Starting

Loop (Fires Itself when Ending)

Loop between Markers (Fire Itself between Markers)

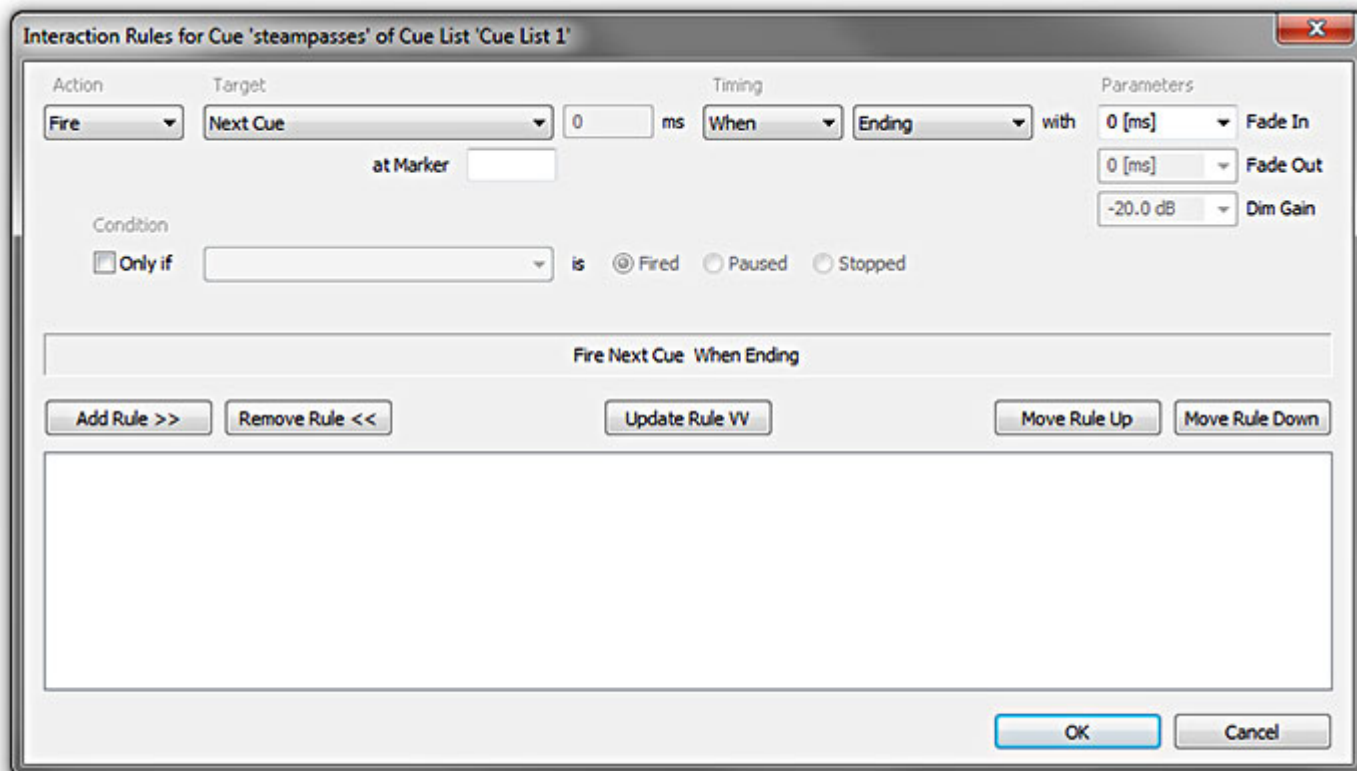
Dim All Cues when Starting

Select Next Cue when Starting

Note: Choosing **Loop between Markers** creates two new Markers one at the beginning and end of the Cue. The Markers can be moved subsequently.

Opening the Interaction Rules Dialog

Clicking in an **Interaction Rules** field in a **Properties** pane and clicking on the ... button opens the **Interaction Rules** dialog. When rules are already set double-clicking on the icon(s) in the Cue in the Cue List also opens the dialog.



The dialog box is titled "Interaction Rules for Cue 'steampasses' of Cue List 'Cue List 1'". It contains several sections:

- Action:** A dropdown menu set to "Fire".
- Target:** A dropdown menu set to "Next Cue".
- Timing:** A section with "0" in a text field, "ms" as a unit, and two dropdowns: "When" and "Ending".
- Parameters:** A section with "with" followed by three rows: "0 [ms]" for "Fade In", "0 [ms]" for "Fade Out", and "-20.0 dB" for "Dim Gain".
- Condition:** A section with a checkbox labeled "Only if", a dropdown menu, and three radio buttons: "Fired" (selected), "Paused", and "Stopped".
- Buttons:** "Add Rule >>", "Remove Rule <<", "Update Rule VV", "Move Rule Up", and "Move Rule Down".
- OK/Cancel:** Buttons at the bottom right.

Interaction Rules Dialog

The dialog enables Interaction Rules to be Added, Modified or Removed from the active list.

Interaction Rules applied at the Show level affect all Cue Lists and Cues. These are overridden by Rules applied to a List and these in turn are overridden by Rules applied to individual Cues. However, some rules will affect Cues regardless. E.g. If an individual Cue is set to **Stop All Cues at Start** then all Cues in all Cue Lists playing when it is Fired will Stop. Subsequent Cues in Timed Lists will Fire as expected.

The options available under each of the drop-down lists will vary depending on the choices already made and other rules in force.

Adding a Rule

Make choices using the drop-down lists and click on **Add Rule >>**

Removing a Rule

Click on the Rule you wish to remove in the list to highlight it and click on **Remove Rule <<**

Update a Rule

Click on the Rule you wish to update in the list to highlight it. Its parameters will be reflected in the controls. Change parameters as required and click on **Update Rule VV** to accept the changes.

Change Order of Rules

Click on the Rule you wish to re-order and click on the **Move Rule Up** or **Move Rule Down** buttons to change the Rule order.

Rules Form

Interaction Rules take the form:

Stop / Pause / Dim / Fire/ Select the:



Next Cue

Next Sibling Cue

Previous Cue

Previous Sibling Cue

a **Specific Cue** or **Group of Cues**

Cue List or

Itself

When or **After** the selected Cue(s)

Starting

Ending or

Stopping

with a

Fade In

Fade Out and/or

Dim Gain applied if required and as determined by the other choices.

If **After** is selected then the **ms** box becomes active. Enter a value here to delay the rule's action after the triggering event has occurred.

For **Stop** the dialog presents **Starting** as the default choice.

For **Fire** the dialog presents **Ending** as the default choice.

For **Pause** and **Dim** the **Start / Stop** choice is grayed out since the only logical use is to **Pause** or **Dim** another Cue or Cues whilst the current one is playing.

Sibling means a Cue on the same level. Thus using e.g. **Next Sibling** bypasses any Child Cues.

Note: Rules which act when a Cue is started occur at the **Start** time. Rules which act when a Cue **Ends** or **Stops** occur at the START of the Fade out. This produces a cross-fade. If you require a fade out but do not want the next action to occur until the End of the Cue then simply use the **After** rule with an delay equivalent to the fade out length.

at Marker

Only valid when first action is set to **Fire**. If the Cue has a Marker or Markers set then the Cue will be be Fired at the Marker number in the **at Marker** field.

Loops

To produce a loop simply use the form, **Fire : Itself : When : Ending**. More complex loops within a Cue can be achieved using Markers. Please see: **Markers Interaction Rules on page 86**

Cue List Target

When an Interaction Rules points to a Cue List as Target, then:

- If the Cue List is a **Timed Cue List**, then the Cue List Time is **Started, Paused** or **Stopped** (equivalent to the Cue List Start, Pause or Stop buttons).
- If the Cue List is **NOT** a Timed Cue List then the **FIRST** Cue in the list is Fired, or **ALL** Cues are Paused, Stopped or Dimmed.

Conditional Rules

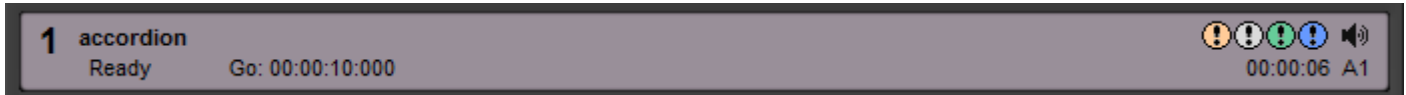
If the **Only if** box is checked then a further layer of control comes into play. A rule set up using the controls described above will only apply when the conditions are met. I.e when the item chosen in the drop down list from a choice of **Next Cue, Previous Cue a Specific Cue or Group of Cues** or a **Timed Cue List** - is either **Fired, Paused** or **Stopped** as selected via the radio buttons.

Interaction Rules is an extremely powerful tool and experimentation is strongly encouraged!



Rules Icons

When Interaction Rules are applied an Icon or Icons is/are shown in the Cue in the Cue List.



When present there is a Rule or Rules applied in Cue Properties.



When present there is a Rule or Rules applied in Cue List Properties



When present there is a Rule or Rules applied in Show Properties



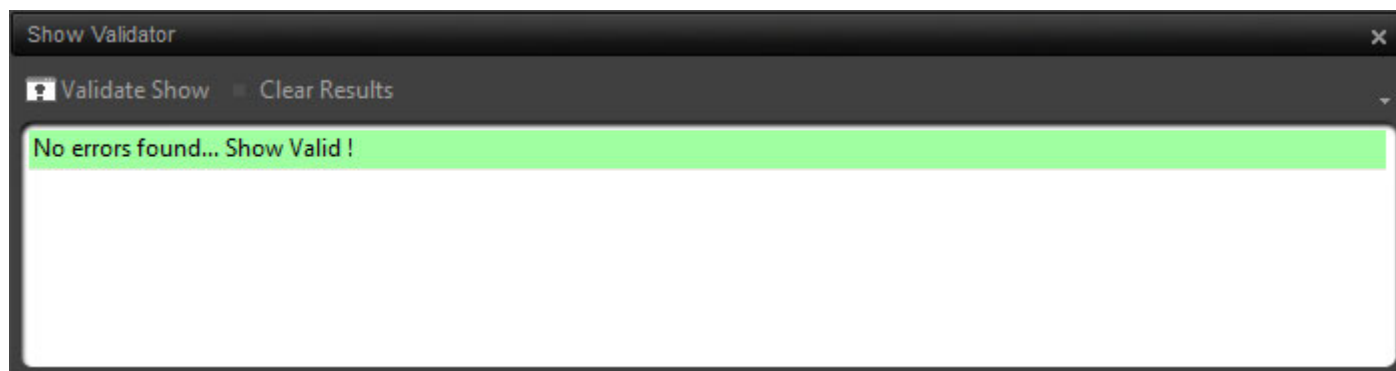
When present there is a Rule or Rules applied to a Marker in the Cue

Double clicking the **Cue Properties**, **Cue List** or **Show** Icons opens the **Interaction Rules** dialog.



Show ValidationTool

Show Validator



Show Validator pane

The Show Validation Tool is available via **Show > Show Validator**.

It enables the following aspects of the Show to be validated:

- Interaction Rules validity. For instance, Rules pointing to a non existing Cue or Cue List.
- Offline Clips Players
- Invalid Audio Output Slots

More checks will be added in subsequent versions.

Note: Double-clicking on reported errors in the Validation Tool pane selects the incriminated Cue or Cue List.



Show Consolidation and Packaging

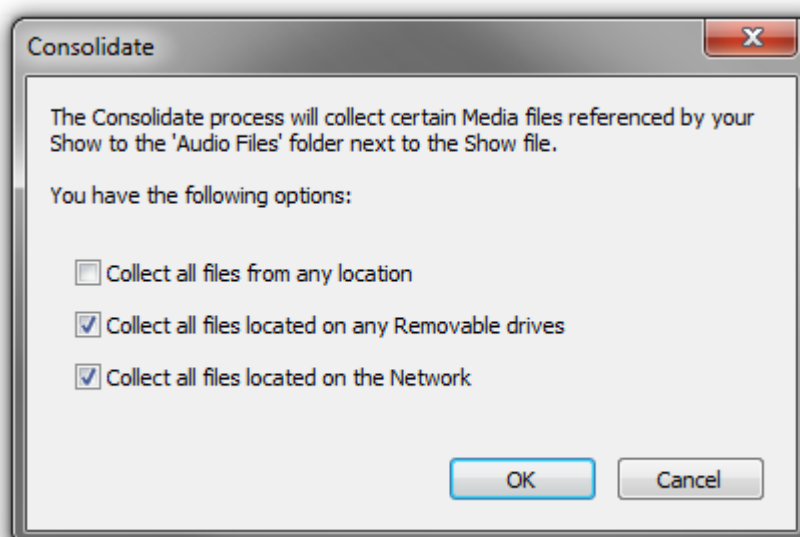
Show Consolidation collects all Audio, MIDI and other files associated with and referenced by a Show and copies them to the **Audio Files** folder in the same location as the Show file. The Show file is modified to point to the new file locations of the copied files. The Show remains active in the Ovation Sequencer for further editing.

Show Packaging collects all Audio, MIDI and other files associated with and referenced by a Show and copies them to a new **Audio Files** folder created automatically in the packing location selected along with copy of the Show file. At the end of the process the option of Show Validation is offered to verify that all is well with the packaged version. The resultant packaged Show file is modified to point to the new file locations of the copied files.

The original Show is not affected by the process and, when Consolidation is complete the original Show remains active in the Ovation Sequencer.

The Consolidation Process

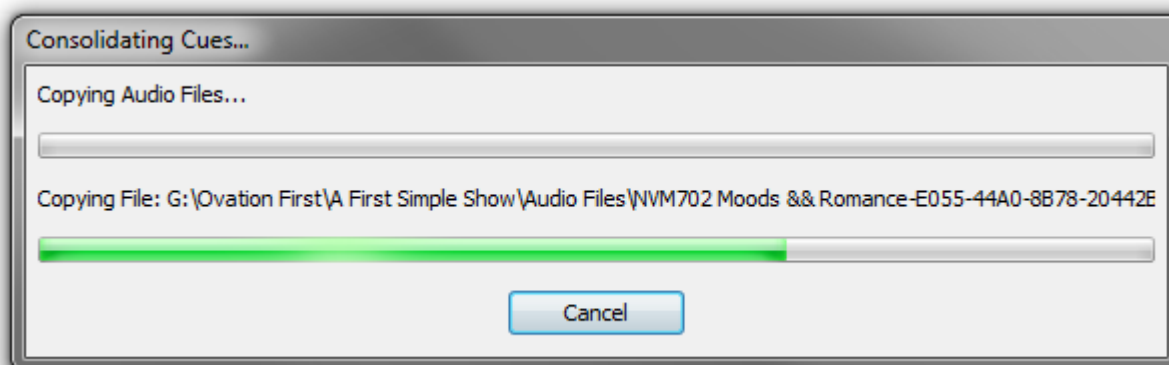
To initiate the Packaging Process choose **Show > Consolidate Show** to open the **Consolidate Show** dialog :



Consolidate Show Dialog

The options are self explanatory.

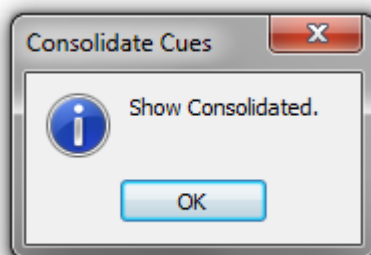
If you are happy to continue click on **Yes** to initiate the process.



Consolidating Cues Dialog



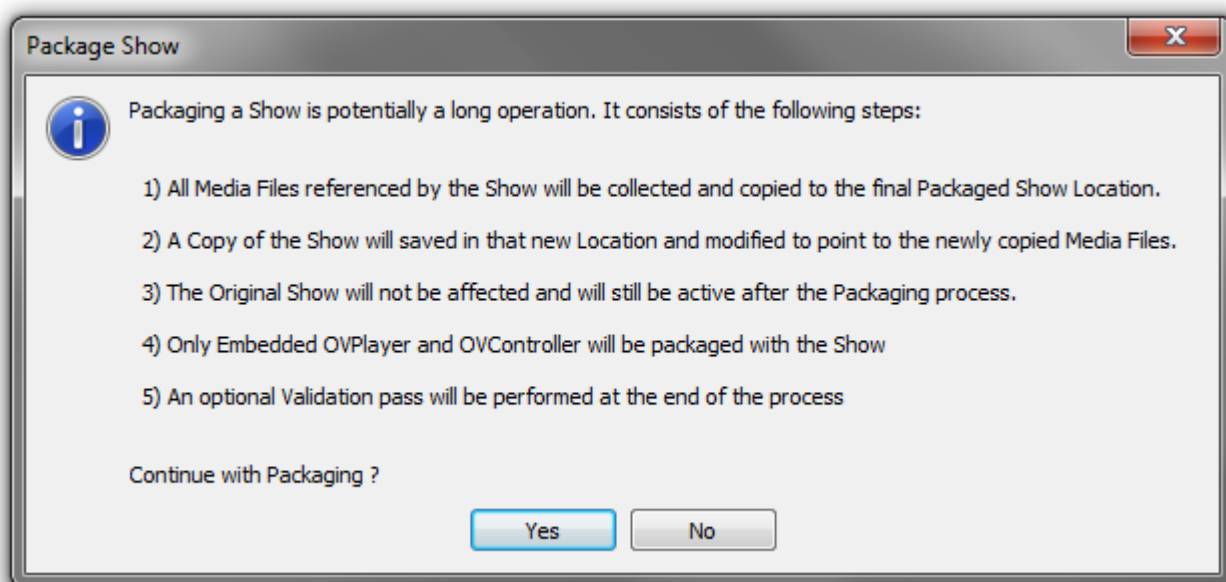
The process begins and the **Consolidating Cues...** dialog appears. Click on **Cancel** to abort the process otherwise an info box appears when the process is complete.



Consolidate Cues Info Box

The Packaging Process

To initiate the Packaging Process choose **Show > Package Show** to open the **Package Show** dialog :

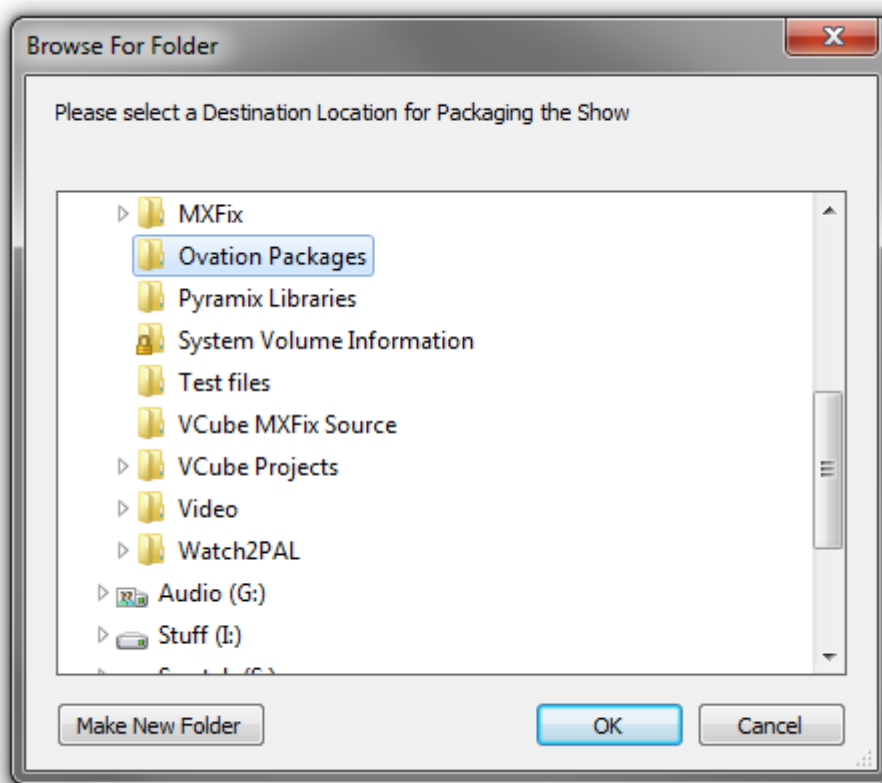


Package Show Dialog

The options are self explanatory.



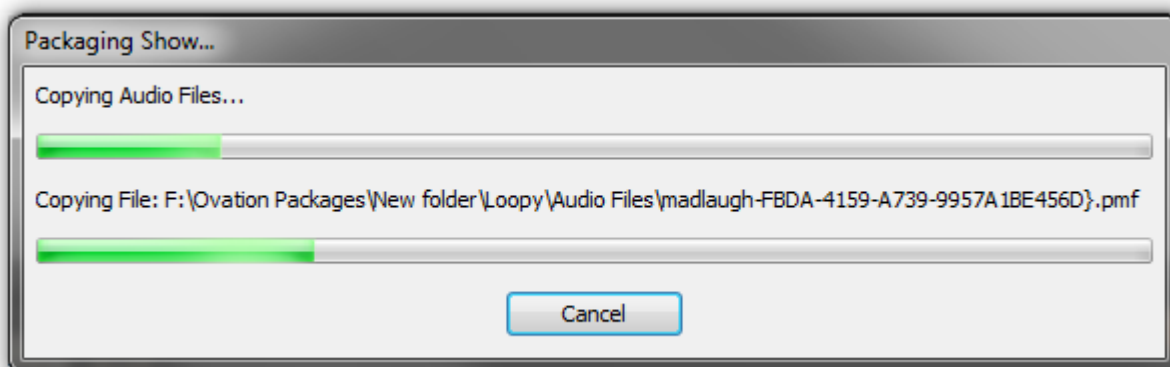
If you are happy to continue click on **Yes** to continue the process by opening the Package Show **Browse For Folder** dialog.



Package Show Browser

Navigate to a suitable existing folder or to a suitable location to create a new one. When you have opened the destination folder (or created it) click on **OK** to initiate the process.

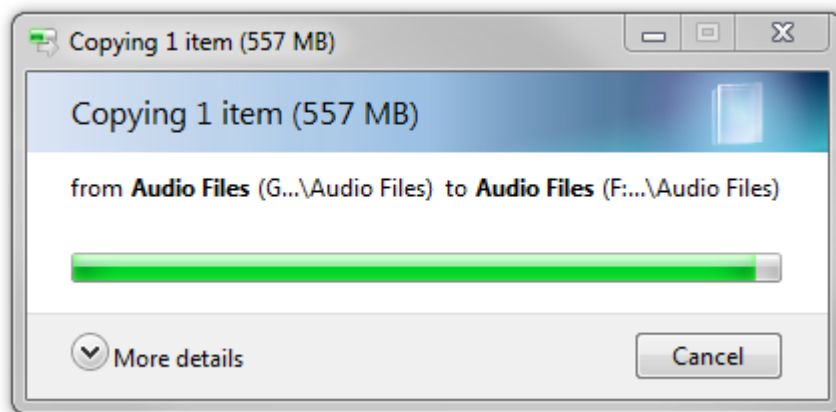
A dialog will show details of progress:



Package Show Progress Dialog

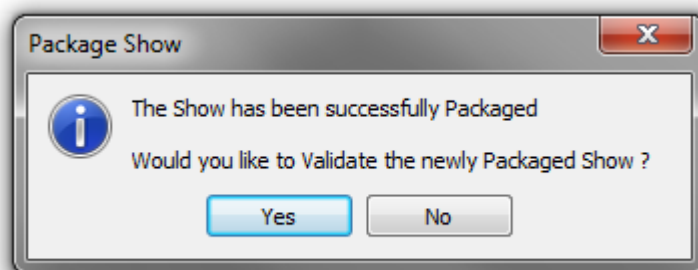


And a further dialog will show progress of copying individual files.



Copying Files Dialog

When the process completes you will be invited to validate the new Show :



Package Show Validation Dialog

We suggest you accept the option. The result will be displayed at the end of the process.

Recursive Packaging

The Packaging process can be incremental. I.e. the process can be called many times one after another and only newly referenced files will be copied to the Packaged location.

Backup/Archive

The **Package Show** function offers a simple method of backing-up/archiving a Show to a different location.



Audio Control

Audio Control Pane

The **Audio Control** pane is accessed from the **Show** Toolbar, the **Show** menu or the **View** menu. It controls attenuation of the right-most Bus fader from the 0dB position on the Ovation Mixer. It is only active when it is open and a Show is running or a Cue is being Auditioned.

Controls are chunky to facilitate Touch Screen operation.



The top Slider button increases level in 2dB per click increments from -146dB to -40dB and 1dB increments from -40dB to a maximum of 0dB.

The slider can be clicked and dragged. The degree of attenuation is shown numerically on the Slider knob. Double-clicking the knob restores the default, 0dB value.

The bottom Slider button decreases level in 1dB per click increments down to -40dB and 2dB per click increments down to -146dB

The bottom button **MUTE**s the Ovation mixer Main Output.

The **Audio Control** pane retains its current settings when closed and opened (and from load / unload of the application) however, the output is only updated with its values when the **Audio Control** pane is open.



Cue Gain

Cue Gain Control

Cue Gain sets the overall Cue Level in real time.

The **Cue Gain** dialog is accessed from the **Cue List Edit** Toolbar, **Change Cue Gain** in the **Cue** menu and in the right-click Cue context menu.



The box shows the amount of boost or cut applied in dB. You can click in the box and type a numeric value.

The Slider can be clicked and dragged to set the Cue Gain

Click **OK** to accept changes and exit the dialog

Click **Cancel** to reject changes and exit the dialog

Changes made in the **Cue Gain** dialog are reflected in the **Cue Properties** pane.

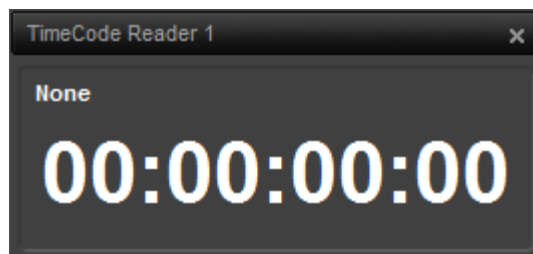
Note: When a Clip is published to Ovation from Pyramix any Gain adjustments made with the Cue Gain Control are applied in addition to gain adjustments applied to the Clip in Pyramix.



TimeCode

TimeCode Reader Panes

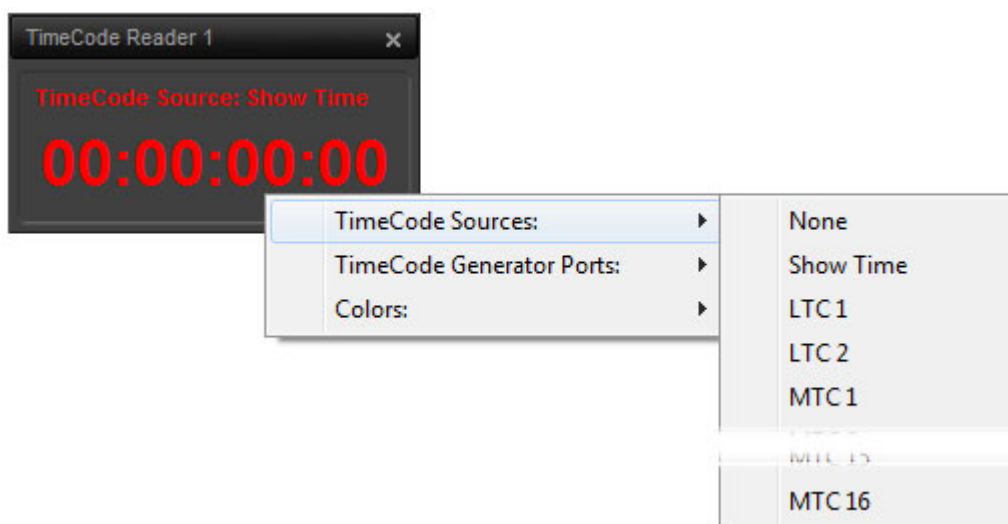
TimeCode Reader panes enable the current values of any of the available TimeCode Sources and Generator Ports to be displayed. **View > View TimeCode Reader** opens a new **TimeCode Reader** pane.



TimeCode Reader Pane

When first opened a **TimeCode Reader** pane has no source selected and is colored white. Up to 20 panes may be open and active simultaneously. The pane(s) can be resized at will.

Right-clicking anywhere in the black area of the pane opens a context menu:

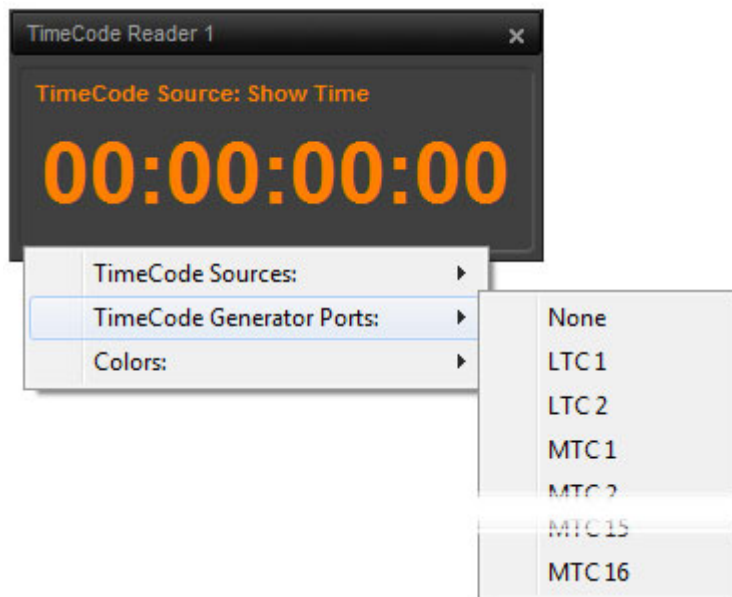


TimeCode Reader Sources sub-menu

Hovering the cursor over **TimeCode Sources:** drops down a list of all available sources. **None** and **Show Time** are always present, other entries will depend on your specific hardware and driver configuration.



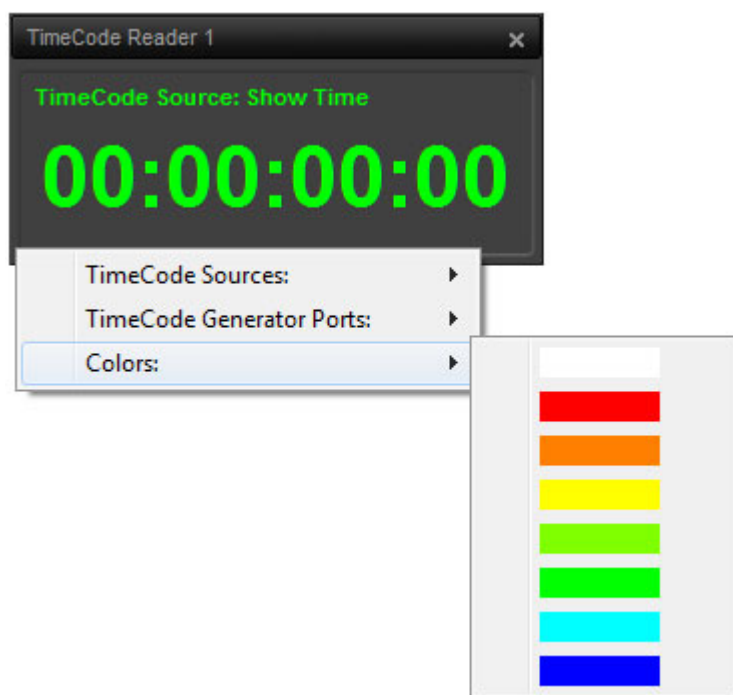
Hovering the cursor over **TimeCode Generator Ports:** drops down a list of all available outputs:



TimeCode Reader Generator Ports sub-menu

None is always present other entries will depend on your specific hardware and driver configuration.

Hoevering over the third entry **Colors:** drops down a color picker:



TimeCode Reader Colors sub-menu



Audio Output Slots

What is an Audio Output Slot?

Audio Output Slots are set in **Cue Properties** for individual Cues. An **Audio Output Slot** is nothing more than the audio channel count across the mixer from left to right. So, Strip one, Channel one is also Slot one. But Strip four Channel one could be one of several things depending on what type of Strips the mixer uses. In a mixer using all Mono Strips, Strip four Channel One is Slot four but in a mixer with all Stereo Strips it will be Slot eight. In a mixer using 5.1 GPS Strips Strip four Channel one will be Slot 19 and so on.

Multi-channel Cues

Multi-channel Cues are handled transparently with the channels present in the Cue mapped in ascending order from the Audio Slot Output specified in Cue Properties.

Audio Output Slots and Cue Lists

The Audio Output Slot can be set for an entire Cue list in the **Audio Output Slot** field in the **Audio** section of the **Cue List Properties** pane. The default is **<Use Cue Slot>** and in this case Cues will be played via the Audio Output Slots set in the Cue Properties pane.

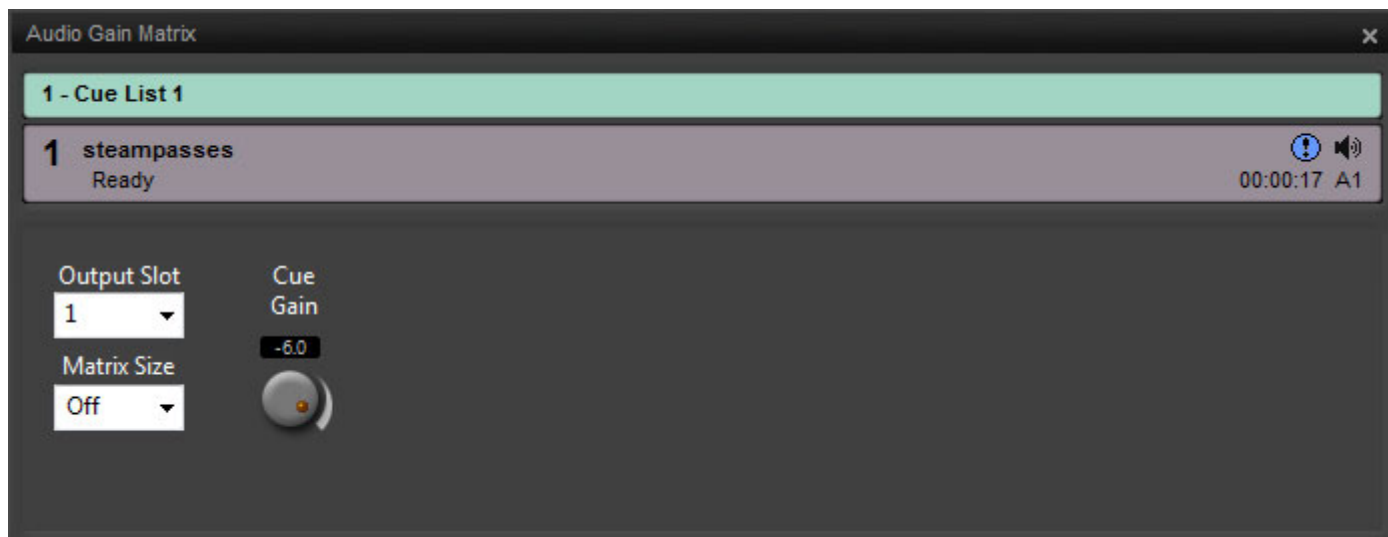
Note: If a setting other than **<Use Cue Slot>** is used then this takes precedence over the Audio Output Settings in the Cue Properties pane.



Audio Gain Matrix

By default the **Audio Gain Matrix** for each Cue is **Off**. Under these conditions an Audio Cue will be played via the Mixer strip(s) determined by the **Audio Output Slot** settings. However, the **Audio Gain Matrix** is a very powerful tool when dealing with Cues. For example, it can correct incorrect channel order, imbalances or level discrepancies or, for example, downmix a 5.1 Cue for stereo playback.

The Audio Gain Matrix pane can be accessed by clicking in the **Audio Gain Matrix** field in the **Audio** section of the Cue Properties pane or by selecting **Show > View Audio Gain Matrix**.



Audio Gain Matrix pane - Matrix Off

The Audio Gain Matrix pane shows the selected **Cue List** and selected **Cue** it will affect.

Output Slot

The **Output Slot** drop-down list functions in exactly the same way as the field in the Cue Properties pane and any changes made here will be reflected in Cue Properties.

Cue Gain

The **Cue Gain** pot determines the overall gain of the Cue across all channels whether the Matrix is active or not. Any change to the value made with this control is reflected in the **Audio Gain** field in the Cue Properties pane.

As with the other rotary controls here and in the mixer a value can also be entered by clicking in the numeric box and typing.

Matrix Size

This value determines the number of Outputs from the Matrix and the number of vertical Output columns in the dialog. **Matrix Size** can be set to **Off** (as in the above screenshot) or to any sensible value. When the Matrix is **Off** the number of outputs is determined by the number of channels in the Cue. **Off** and **1-16** are available in the drop-down list. Type larger values manually, followed by **Enter**. These outputs are patched to the Ovation mixer slots in ascending order from the Slot Number set as the **Output Slot**.



Inputs

The number of Matrix Inputs and therefore the number of horizontal Input rows in the dialog is determined by the number of channels in the Cue.

Using both the Output Slot and the Matrix Size number enables you to focus first on an area of the mixer (Output Slot) and then determine how many strips in that area you wish to distribute the audio channels present in the Cue to.

For example, if you wish to mix a Cue into Strips **30,31,32,33,34** and **35** you would select **Output Slot 30** and set the **Matrix Size** to **6**:



Audio Gain Matrix pane - 2 In 6 out

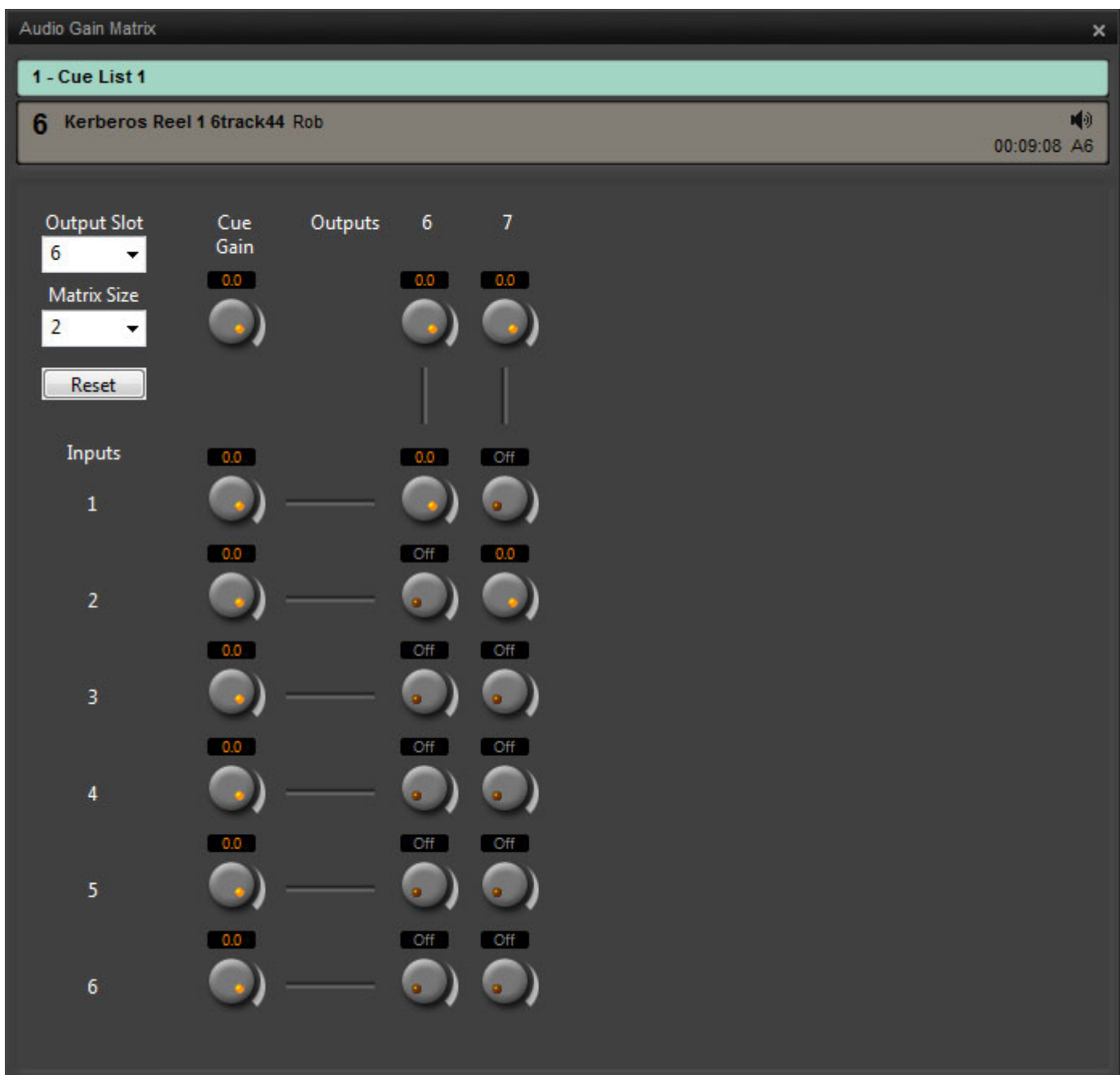
By default only the same number of Output channels will be active as the number of input channels. The rotary controls set the overall Cue Gain and the individual gains for each of the channels present in the Cue.

The Output rotary controls set the overall level for each Output channel and the contribution per Output from each Input channel. Double-clicking a rotary control **Mutes / deMutes**.



Downmixing

Equally, the Audio Gain Matrix can be used to mix down a multi-channel Cue to Stereo or Mono:



Audio Gain Matrix pane - 6 In 2 out

Linking Parameters in the Audio Gain Matrix:

To make relative moves of several gains simultaneously, groups can be created.

Create a Gain Control Group

Press and hold **SHIFT**

- Click on individual gain controls to add them to a group.
- Click on members of a group to remove them from it.
- Click on an Output Gain knob to add the whole Matrix column to the group.
- Click on RESET to reset all the links (remove all from the group)



Independent Control of a Group Member

- Press and hold **CTRL**
- Manipulate a gain knob which is assigned to a group, without moving the rest of the group.

Note: Links are preserved when you click away from the Cue. Links are saved with the show, thus links are retained when you close and open the show.

Set Audio Gain Matrix For Multiple Cues

Audio Gain Matrix parameters can be set for multiple Cues or an entire Cue List in one operation. It only makes sense to do this if the Cues are in the same format.

- Select all the Cues in the Cue List
- Open the Audio Gain Matrix pane with **Show > View Audio Gain Matrix**.
- Make the settings required.

The new settings will be applied to all the selected Cues.



Ovation Files

File Types

Ovation files store **Shows** including **Cue Lists** and have an **.ovs** file extension.

Cue Lists can also be saved and loaded independently and have an **.ovl** file extension.

Settings are stored with a **.pms** file extension.

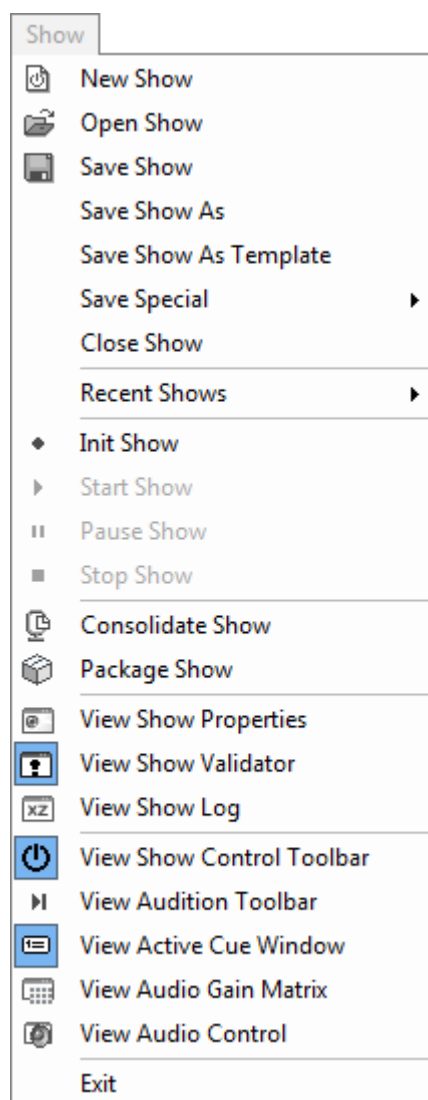
OVPlayer Sessions are stored with an **.ovp** file extension.

OVController Sessions are stored with an **.ovc** file extension



Ovation Menus

Show



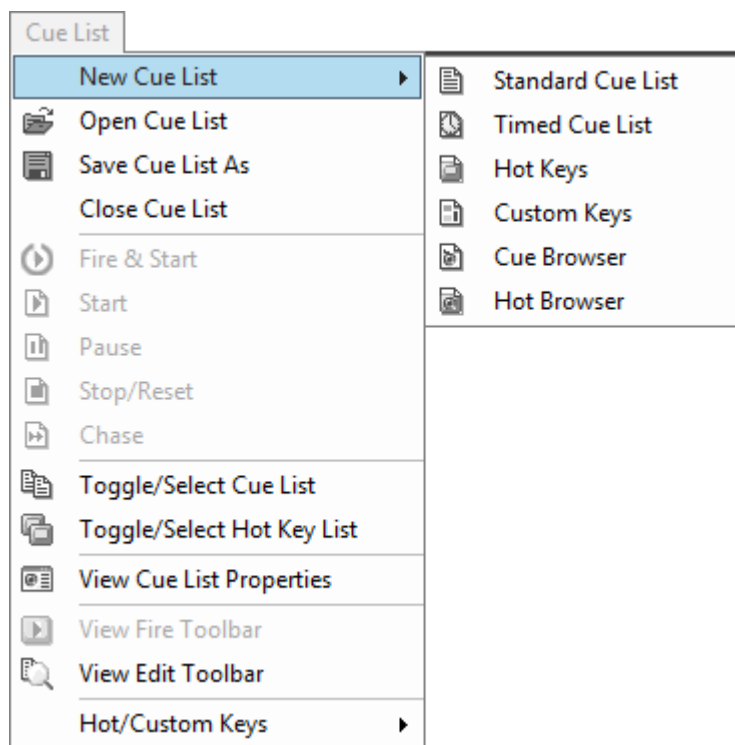
Ovation Show Menu

New Show	Opens a new, Untitled Ovation Show
Open Show	Opens the Open Windows File Browser to enable an existing Show to be loaded
Save Show	Saves the current Show. If this is Untitled, opens the Save As file browser
Save Show As...	Opens the Save As file browser
Save Show As Template	Saves the current Show as a Template for future shows
Save Special	Enables Show to be saved in Ovation 3.x format for mixer compatibility
Close Show	Closes all open Cue Lists and the Show
<hr/>	
Recent Shows >	Drops down a list of recently opened Shows
<hr/>	
Init Show	Initialize Show
Start Show	Start Show
Pause Show	Pause Show
Stop Show	Stop Show



Consolidate Show	Opens the Consolidate Show dialog. Please see: Show Consolidation and Packaging on page 115
Package Show	
View Show Properties...	Opens the Show Properties Tab Pane
View Show Validator...	Opens the Show Validator Tab Pane
View Show Log	Opens the Log Tab Pane
View Show Control Toolbar	Toggles the Main Window Show Control Toolbar
View Audition Toolbar	Toggles the Main Window Audition Toolbar
View Active Cue Window	Toggles the Active Cue Window
View Audio Gain Matrix	Toggles the Audio Gain Matrix Window
View Audio Control Window	Toggles the Audio Control Window
Exit	Quits the Ovation application

Cue List



Ovation Cue List Menu

New Cue List	Drops Down the List of Cue Lists
Standard Cue List	Opens a new, Untitled, Standard Cue List
Timed Cue List	Opens a new, Untitled, Timed Cue List
Hot Keys	Opens a new, Untitled, Hot Keys Cue List
Custom Keys List	Opens a new, Untitled, Custom Keys Cue List
Cue Browser	Opens a new, Untitled, Cue Browser Cue List
Hot Browser	Opens a new, Untitled, Hot Browser Cue List
Open Cue List	Opens the Open Windows File Browser to enable an existing Cue List to be loaded



Save Cue List As	Saves the currently selected Cue List . If this is Untitled, opens the Save As file browser
Close...	Opens the Close Cue List dialog

Note: If a Cue List is Closed without saving it separately it will be lost.

Fire & Start	Acts on Timed Lists when selected. Fires the Selected Cue and starts the Cue List Counter running from the Go Time of the Cue. Selects and Readies next Cue for Firing.
Start	Acts on Timed Lists when selected. Starts the Timed List from zero.
Pause	Pauses the Timed List. List will restart from the point at which it was Paused.
Stop/Reset	Stops the Timed List. List is reset to the beginning and made ready for Firing.
Chase	When a Timed List is Selected engages/disengages Chase Mode

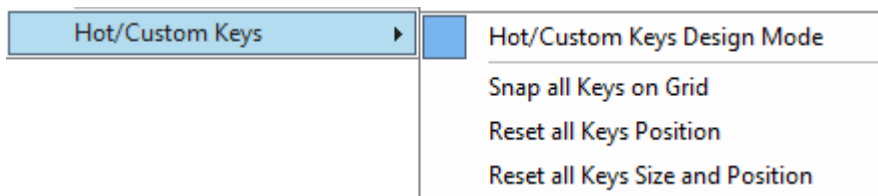
Toggle/Select

Cue List	(Tab) Steps the selection through all open Cue Lists in ascending numerical order.
Toggle Select	
Hot Key list	(Ctrl+Tab) Toggles the selected Cue List between the available Hot Key lists. (Note: Hot Key Display is only visible when the Show is Initialized)

View Cue List Properties...	Opens or selects the Cue List Properties pane for the currently selected Cue List
------------------------------------	--

View Fire Toolbar	Toggles the Fire Toolbar Shown / Hidden
View Edit Toolbar	Toggles the Edit Toolbar Shown / Hidden

Hot/Custom Keys	Only available when a Custom Keys list is selected
------------------------	--



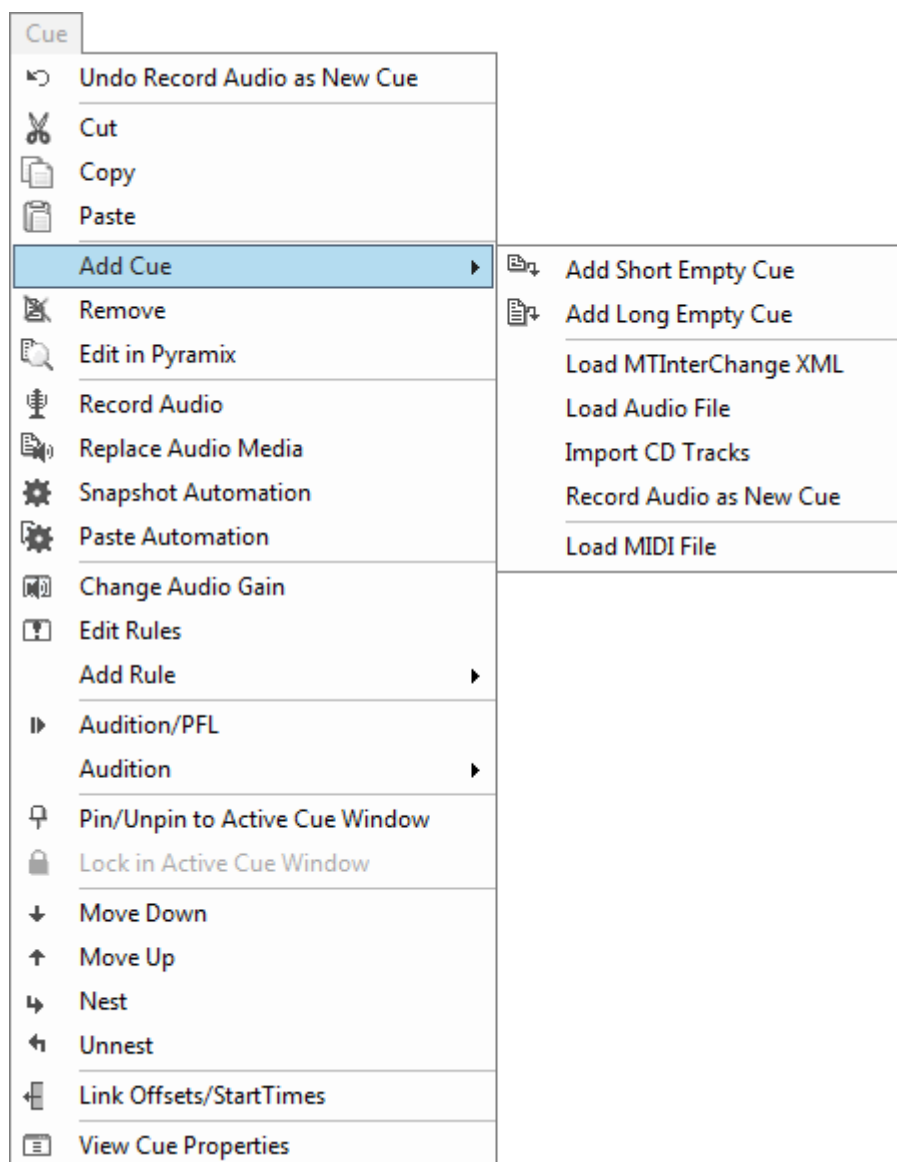
Cue List Menu > Custom Keys sub-menu

Hot/Custom Keys Design Mode When ticked the selected Hot/Custom Keys pane is shown in **Design Mode**

Snap all Keys on Grid	Snaps all the Keys into alignment with the current Grid
Reset all Keys Position	Resets all Keys to their original positions
Reset all Keys Size and Position	As it says.



Cue



Ovation Cue Menu

Undo (last undoable action)

Cut **Ctrl+X**

Copy **Ctrl+C**

Paste **Ctrl+V**

Add Cue Opens the **Add** sub-menu

Add Short Empty Cue Adds a 1 second duration new empty Cue below the Cue currently highlighted. If none, then adds a new empty Cue at the bottom of the list.

Add Long Empty Cue Adds a 24 hour new empty Cue below the Cue currently highlighted. If none, then adds a new empty Cue at the bottom of the list.

Note: Empty Cues are typically used to trigger something immediately or in conditional rules. If intermediate lengths are required this is easily accomplished by modifying the Cue Length in Cue Properties.

Load MTInterchange XML

Load Audio File Opens a Browser to search for and Add Cues

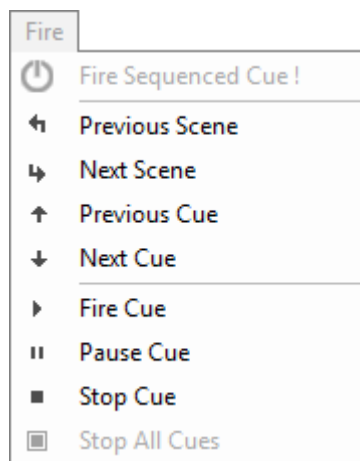


Import CD Tracks	Opens the Import CD dialog. Please see: CD Tracks Import on page 46
Record Audio as New Cue	Opens the Record Audio dialog. Please see: Recording on page 57
Load MIDI File	Opens a Browser to search for and Add a MIDI File Cue
Remove	Removes the selected Cue from the Cue List
Edit in Pyramix	Opens the Pyramix editor for editing the selected Cue
Record Audio	Opens the Record Audio dialog to record audio into a new Cue. Please see: Recording on page 57
Replace Audio Media	Opens a Browser to search for and replace a Cue's existing Audio Media File.
Snapshot Automation	Opens the Filter Mixer Controls to Snapshot dialog.
Paste Automation	Pastes the Automation Snapshot from the Cue copied last to the Cue selected currently. Please see: Snapshot Automation on page 51
Change Audio Gain	Opens the Cue Gain fader window
Edit Rules	Opens the Cue Interaction Rules dialog
Add Rule >	Drops down a list of Rules which can be applied to the Cue directly
	Fire Next Cue when Ending
	Fire Next Cue when Stopping
	Fire All Child Cues when Starting
	Stop Previous Cue when Starting
	Loop (Fire Itself when Ending
	Loop between Markers (Fire Itself between Markers
	Dim All Cues when Starting
	Select Next Cue when Starting
Audition/PFL	Plays the selected Cue through the selected Output Slot
Audition >	Drops down a list of available Audition commands:
	Start
	Rewind
	Stop
	Play/Pause
	Fast-Forward
	End
	Jump Forward 1
	Jump Forward 2
	Jump Forward 3
	Jump Back 1
	Jump Back 2
	Jump Back 3
Pin/Unpin to Active Cue Window	Toggles the Cue selected currently Pinned or Unpinned to the Active Cue Window
Lock in Active Cue Window	Puts the selected Cue into the Active Cue Window when Lock mode is active. Grayed out when Lock mode is not active in Active Cue Window



Move Down	Down Moves the selected Cue Down one position in the Cue List
Move Up	Up Moves the selected Cue Up one position in the Cue List
Nest	Right Makes the Selected Cue a Child-Cue of the one above.
Unnest	Left Brings a Child-Cue Up one level (becomes a Cue if only one level deep)
Edit Cue Rules	Opens the Cue Interaction Rules dialog
Edit Audio Gain	Opens the Cue Gain fader window
Link Offsets/StartTimes	Links all Audio, TCGen, MMC and 9-pin (Sony P2) Offsets and Start Times in a Cue with these properties. The button toggles on/off and it's state is not saved when a different Cue is Active. When enabled all related fields in the Cue Properties pane turn red for clarity.
View Cue Properties	Toggles the Cue Properties Pane Open/Closed

Fire



Ovation **Fire** Menu

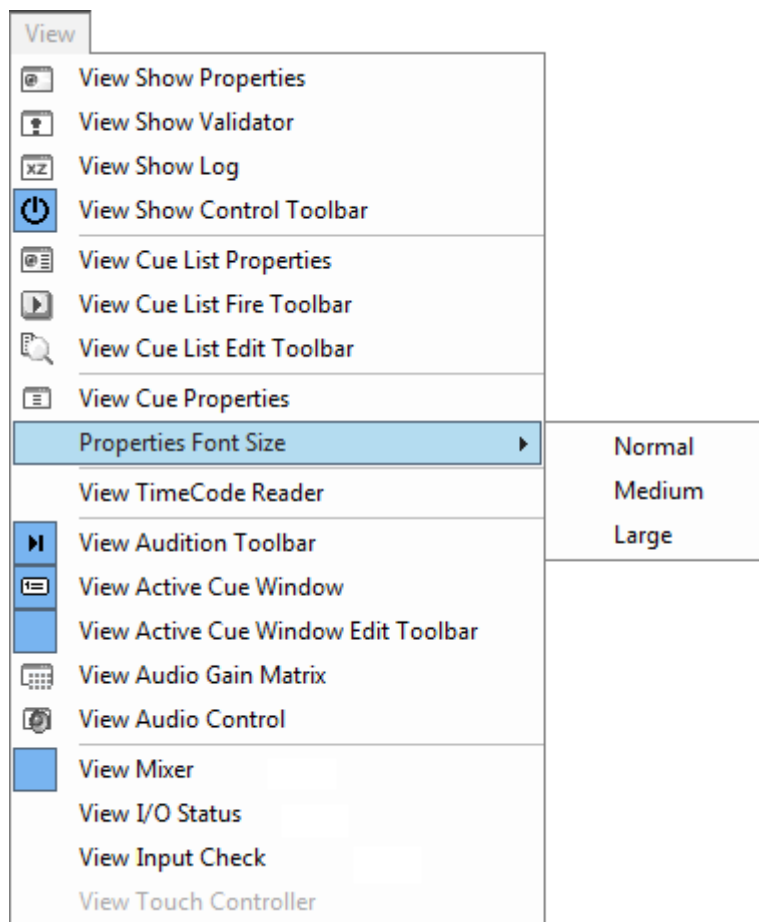
Fire Sequenced Cue !

Enter With the Show running Fires the currently selected Cue in the currently selected Cue List and moves the Selection to the next Cue

Previous Scene	LEFT Moves the selection to the Previous Scene (Child-Cue or Cue) in the currently selected Cue List
Next Scene	RIGHT Moves the selection to the Next Scene (Child-Cue or Cue) in the currently selected Cue List
Previous Cue	UP Moves the selection to the Previous Cue in the currently selected Cue List
Next Cue	DOWN Moves the selection to the Next Cue in the currently selected Cue List
Fire Cue	Plays selected Cue
Pause Cue	Pauses selected Cue
Stop Cue	Stops selected Cue
Stop All Cues	Stops all Playing Cues. (Typically used as Emergency Stop)



View



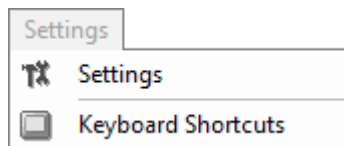
Ovation View Menu

View Show Properties	Toggle Show Properties show/hide
View Show Validator	Toggle Show Validator show/hide
View Show Log	Toggle Show Log show/hide
View Show Control Toolbar	Toggle Show Control Toolbar show/hide
View Cue List Properties	Toggle Cue List Properties show/hide
View Fire Toolbar	Toggle Cue List Fire Toolbar show/hide (Show Mode)
View Edit Toolbar	Toggle Cue List Edit Toolbar show/hide (Compose Mode)
View Cue Properties	Toggle Cue Properties show/hide
Properties Font Size	The sub-menu offers the choice of: Small Medium Large Font sizes for the Properties panes.
View TimeCode Reader	Opens a TimeCode Reader window. Up to 20 may be opened
View Audition Toolbar	Toggle Audition Toolbar show/hide (in main Ovation Window)
View Active Cue Window	Toggle Active Cue window show/hide
View Audio Gain Matrix	Toggle Audio Gain Matrix window show/hide
View Audio Control	Toggle Audio Control window show/hide



View Mixer	Toggle Mixer show/hide
View I/O Status	Toggle I/O Status window show/hide
View Input Check	
View Touch Controller	Toggle Touch Controller show/hide

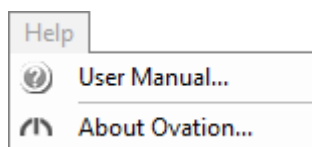
Settings



Ovation Settings Menu

Settings	Opens the Main Ovation application Settings window.
Keyboard Shortcuts	Opens the Keyboard Shortcuts dialog.

Help



Ovation Help Menu

User Manual	Opens this User Guide .
<u>A</u>bout Ovation	Opens the About Ovation window.

Settings

Note: When the Show is running or a Cue is Auditioning if the Settings Window is opened many Settings pages will not be shown.

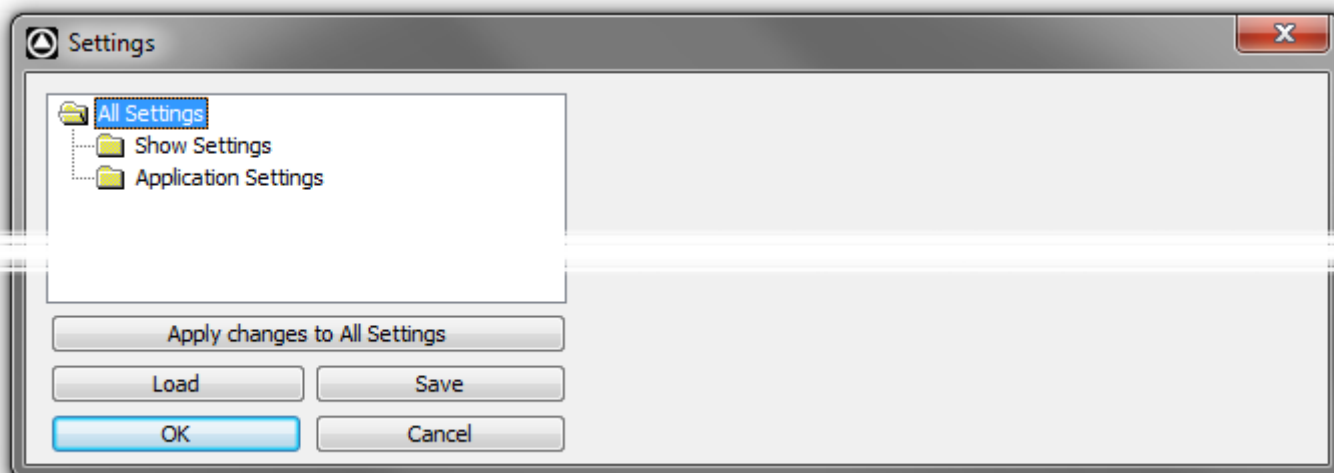
Overview

Many settings are made in the **Cue Properties**, **Cue List Properties** and **Show Properties** panes from within the active Show. However, there are many other settings which are kept separate and are accessed from the **Settings** menu.

The **Keyboard Shortcut Editor**, is accessed directly from the **Settings** menu.

The main **Settings** dialog window is also accessed directly from the **Settings** menu. Folders and sub-folders are used to group settings logically. The left-hand side of the window shows all available settings. Folders can be collapsed or expanded by clicking on the folder icons. By default, all folders are open, displaying the Settings Pages they contain by name. Clicking on a Settings Page in the left-hand pane opens it in the right-hand side of the window for viewing and editing. Information about pages not described here can be found in the Pyramix User Manual.

There are two main groups of settings.



Ovation Settings dialog

Shown here with all sub-folders collapsed.

- **Show Settings** are specific to and saved with each Show.
- **Application Settings** are global and apply to all Shows.

Note: There is one exception to this rule.

In the **Application Settings > General > Audition** page all the settings are global **EXCEPT** the **Audition Cues Output Slot**. This is saved with the Show so that Templates can have a **PFL** bus.



Settings Buttons

Apply changes to ...

Below the Settings folders tree view the first large button's function and label changes to reflect the currently open settings page (if any). **Apply changes to ...** does as it says without saving the changes to a Settings file. Settings can be saved selectively or in their entirety for future use.

Load

Load opens a Browser window to enable settings **Profile** (*.pms) files to be located. When the required file has been located clicking on the **Open** button loads the file.

Save

To save all settings, Click on the: **Save** button to open a **Save As** browser window. If necessary, navigate to a suitable location for the file. Type a suitable name in the **File name:** box and click the **Save** button to save the file and close the browser window.

OK

Saves any changes made to settings and exits the **Settings** window.

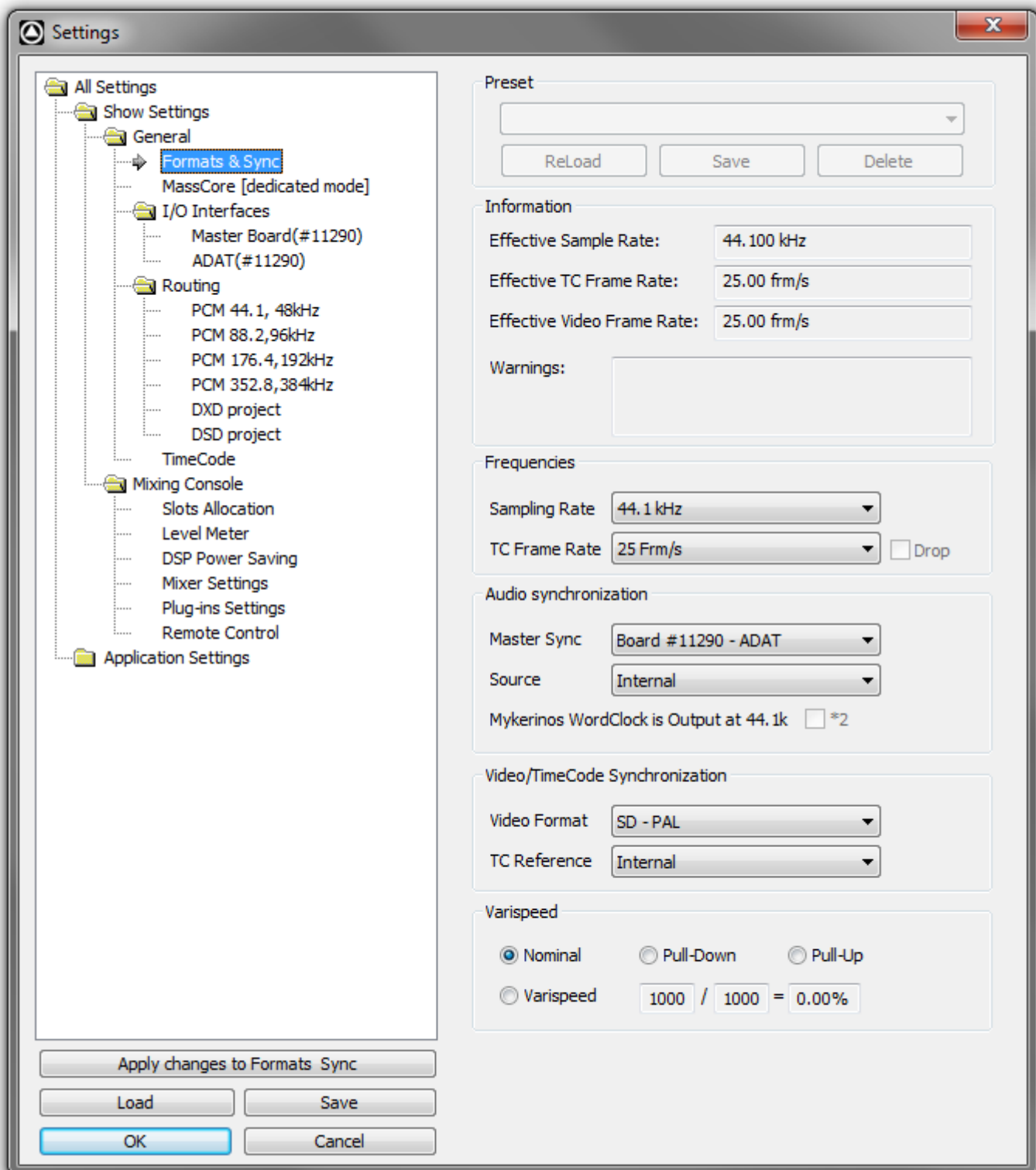
Cancel

Cancels any changes made to settings and exits the **Settings** window.

Show Settings

General

Formats & Sync



Settings

- All Settings
 - Show Settings
 - General
 - Formats & Sync**
 - MassCore [dedicated mode]
 - I/O Interfaces
 - Master Board(#11290)
 - ADAT(#11290)
 - Routing
 - PCM 44.1, 48kHz
 - PCM 88.2, 96kHz
 - PCM 176.4, 192kHz
 - PCM 352.8, 384kHz
 - DXD project
 - DSD project
 - TimeCode
 - Mixing Console
 - Slots Allocation
 - Level Meter
 - DSP Power Saving
 - Mixer Settings
 - Plug-ins Settings
 - Remote Control
 - Application Settings

Formats & Sync Settings:

- Preset:** [Dropdown menu]
 - ReLoad
 - Save
 - Delete
- Information:**
 - Effective Sample Rate: 44.100 kHz
 - Effective TC Frame Rate: 25.00 frm/s
 - Effective Video Frame Rate: 25.00 frm/s
 - Warnings: [Text area]
- Frequencies:**
 - Sampling Rate: 44.1 kHz
 - TC Frame Rate: 25 Frm/s ☐ Drop
- Audio synchronization:**
 - Master Sync: Board #11290 - ADAT
 - Source: Internal
 - Mykerinos WordClock is Output at 44.1k ☐ *2
- Video/TimeCode Synchronization:**
 - Video Format: SD - PAL
 - TC Reference: Internal
- Varispeed:**
 - ☒ Nominal ☐ Pull-Down ☐ Pull-Up
 - ☐ Varispeed: 1000 / 1000 = 0.00%

Buttons:

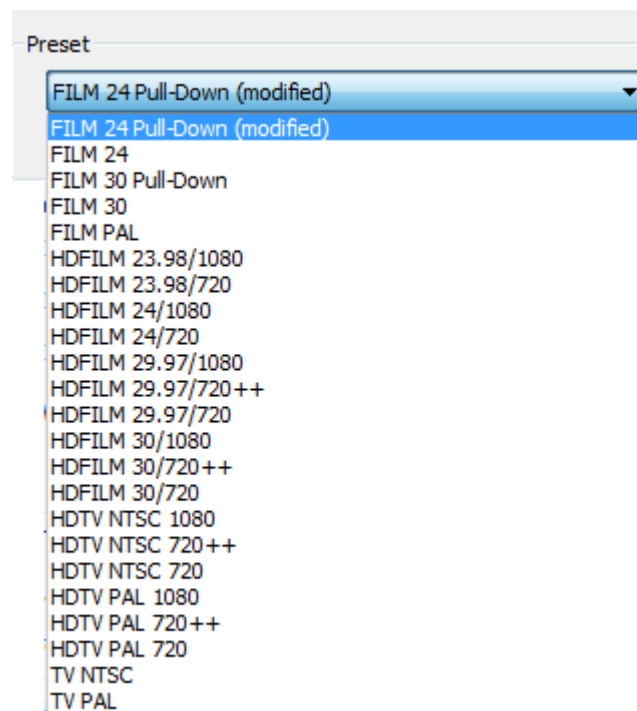
- Apply changes to Formats Sync
- Load
- Save
- OK
- Cancel

Show Settings > General > Formats & Sync



Preset

This section allows the user to **Save** and **ReLoad** or **Delete** Presets of all the parameters in this page. A variety of common scenarios are covered in the supplied Presets:



Show Settings Hardware Formats & Sync Preset List

Information

Effective Sampling Rate	Displays the sampling rate including the effect of any pull-up or down or Varispeed settings.
Effective TC Frame Rate	Displays the TC Frame Rate including the effect of any pull-up or down or Varispeed settings.
Effective Video Frame Rate	Displays the Video Frame including the effect of any pull-up or down or Varispeed settings.
Sampling Rate	Displays the rate set when the project was created or the default Mixer preset loaded. This can be changed from the Sampling Rate drop-down list.

Note: Sampling rate can only be set when a **Show** is **NOT** running. If you have been auditioning Cues the same applies. Please **Init** and **Stop** the Show to access.

Warnings

Displays any caveats about the selected rates.

Frequencies

Sampling Rate	The drop-down list presents a choice of all available nominal sampling rates.
TC Frame Rate	The drop-down list presents a choice of all available TC Frame Rates
Drop	Only available for NTSC Frame Rates i.e. 29.97fps and 30fps. When checked drop frame counting is applied.

Audio Synchronization

Master Sync	In a Multi-board system choose the board which will be the sync master from the drop-down list.		
Source	This determines the sample clock source for the whole Pyramix system. If an external source is selected and no valid signal is detected, the system reverts to Internal until the external signal is restored. The following choices are available: <table><tr><td>Internal</td><td>Selects the board's internal oscillator as Clock Master.</td></tr></table>	Internal	Selects the board's internal oscillator as Clock Master.
Internal	Selects the board's internal oscillator as Clock Master.		



Video	Selects an external video input as the reference. The card derives word clock from the video sync rate. A valid video signal must be connected to the Mykerinos board chosen as the Video / TC master in the VS3 control panel.
Word Clock	Selects an external word clock source as the reference. The word clock must be connected to the Mykerinos board chosen as video / TC master in the VS3 control panel. This option is grayed out if there is no valid source connected.
Audio Input	Select this option if you want Pyramix to derive it's clock from an external audio source connected to any of the daughtercard(s) present. The correct audio input must also be selected. LTC

Note: In special situations this option enables word clock to be derived from Linear TimeCode

WordClock is Output at XXk*2 For sample rates above 48kHz WordClock is normally output at the standard fundamental rate. E.g. if 128KHz is selected then WordClock is output at 32kHz unless the box is ticked, in which case the WordClock output rate is doubled to 64kHz.

Video/TimeCode Synchronization

Video Format	The drop-down list presents all available Video Formats.
TC Reference	The drop-down list presents all valid TimeCode reference sources.

Varispeed

Allows either choice of either a pull-up / pull-down sampling rate or of running Pyramix in **Varispeed** mode by adapting the sampling rate.

Important! Typical digital to analog or analog to digital converters (such as Merging Technologies Sphynx or DUAll) do not operate beyond $\pm 0.15\%$ (150 ppm) and therefore will mute in any Varispeed mode. It is suggested that the Mykerinos digital I/O's are routed through external real-time sampling rate conversion circuitry or to that adequate external converters with built-in pull-up or pull-down support are used.

Note: Note: Locking to external NTSC video reference is limited to nominal and pull-down sampling rates.

Nominal	'Normal' mode. Uses the nominal sampling rate as set in the Sampling Rate pull-down menu.
Pull-Down	Decreases the sampling rate by 0.1%. Most often used in audio post production for compatibility reasons between NTSC frame rates of 30 fps and 29.97 fps.
Pull-Up	Increases the sampling rate by 0.1%. Most often used in audio post production for compatibility reasons between NTSC frame rates of 30 fps and 29.97 fps.
Varispeed	The speed of audio playback can be varied within the range of -12.5% to +12.5%. Select this option, then enter the required speed change in tenths of percents into the adjacent entry field. Values entered outside of the allowed range will be limited to the extent of the allowed range. E.g. if 1500 is entered, the value will be set to 1125.

MassCore™ [dedicated mode]

Please see the Pyramix User Manual for details.

I/O Interfaces

The page(s) shown here depend on the options included with your individual system. Please see the Pyramix User Manual for details.



Routing

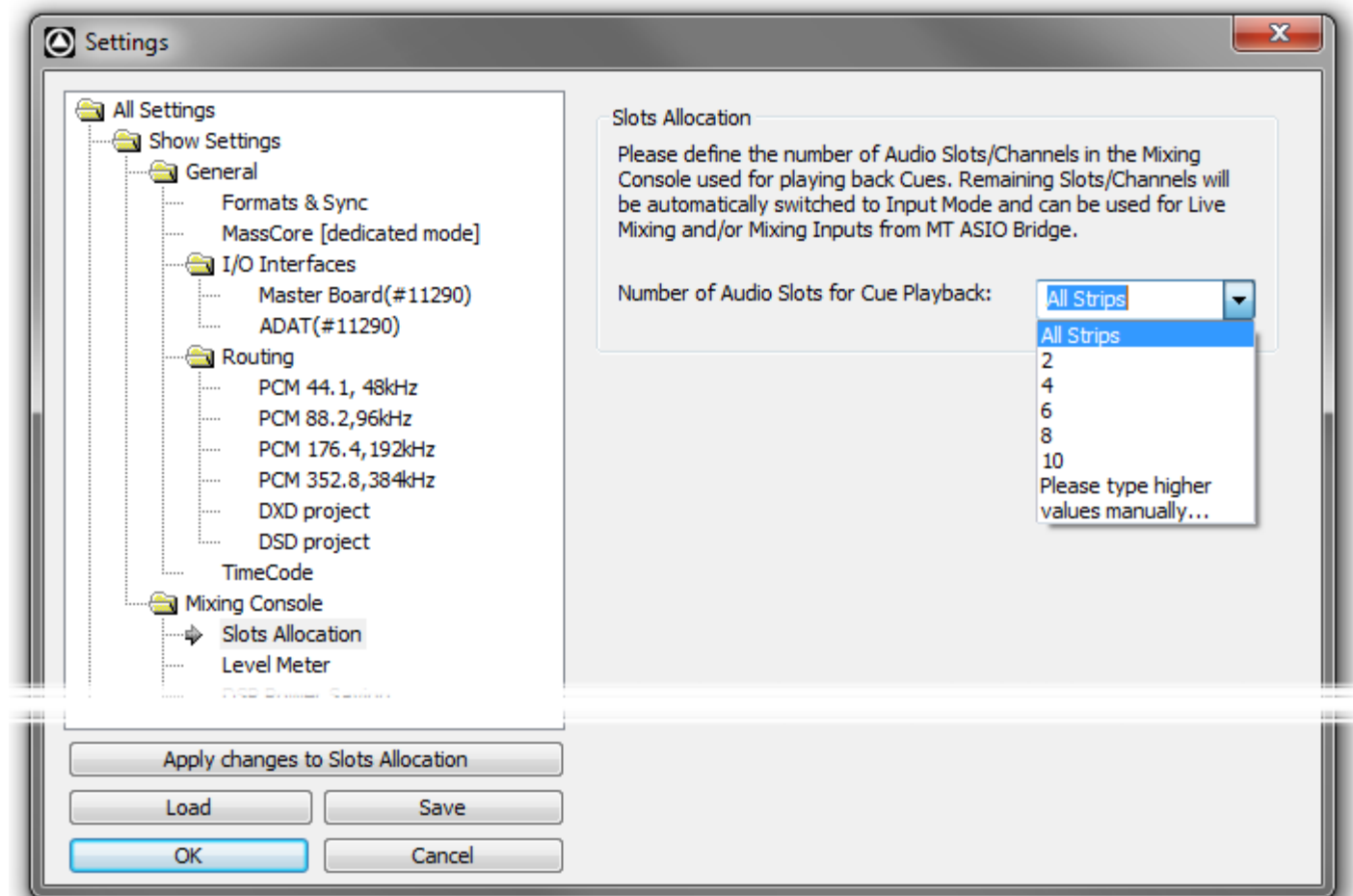
The page(s) shown here depend on the options included with your individual system. Please see the Pyramix User Manual for details.

TimeCode

Please see the Pyramix User Manual for details.

Mixing Console

Slots Allocation



Show Settings > Mixing Console > Slots Allocation

Slots Allocation

"Please define the number of Audio Slots/Channels in the Mixing Console used for playing back Cues. Remaining Slots/Channels will be automatically switched to input Mode and can be used for Live Mixing and/or Mixing Inputs from MT ASIO Bridge.

Number of Audio Slots for Cue Playback The drop-down offers the choice of:

All Strips

2,4,6,8 or 10

Please type higher values manually...

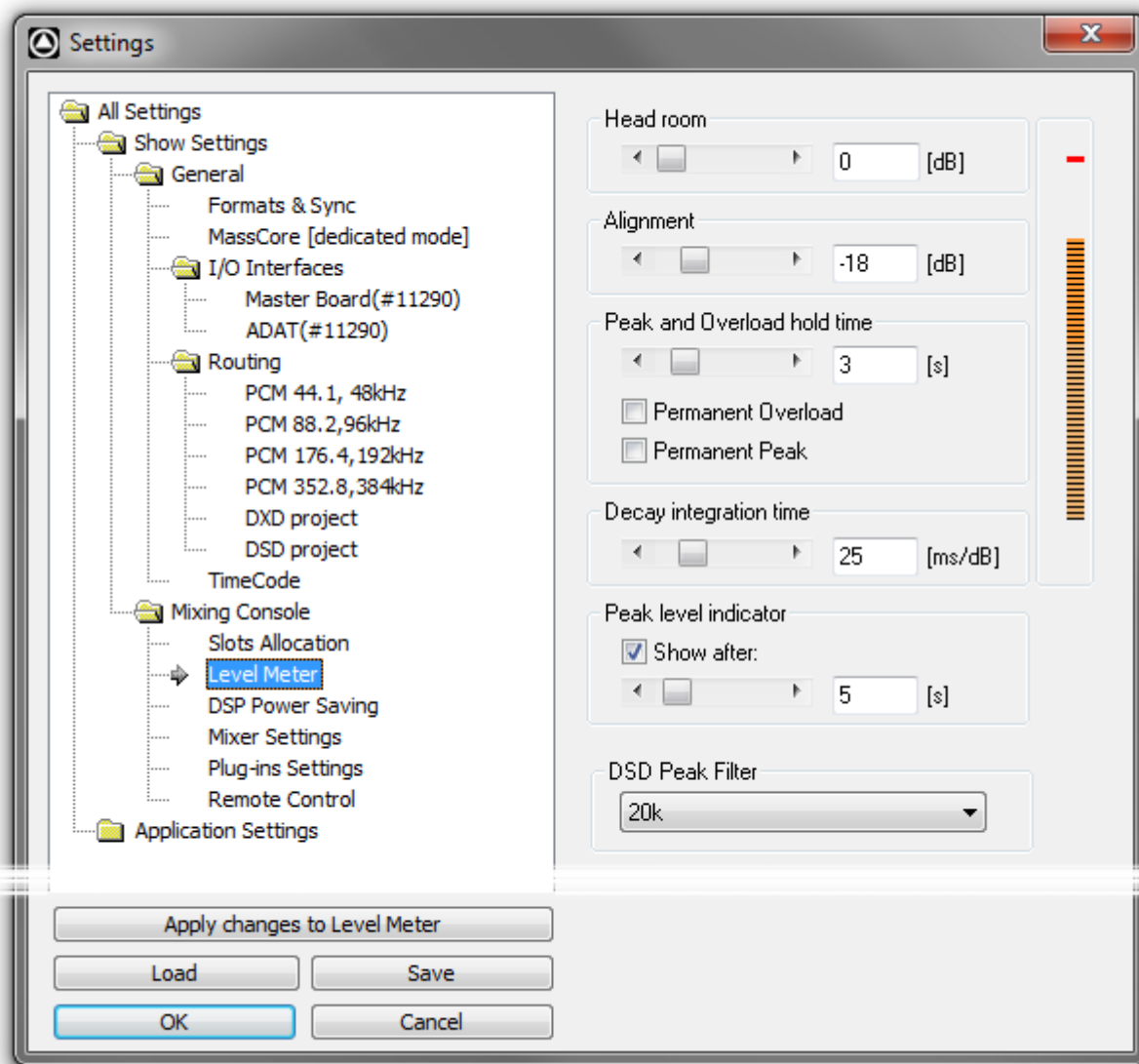
Slots are mapped incrementally to the lowest numbered Slots of the audio mixer.

This option enables vacant strips to be left in the Ovation Mixing Console to define **MT ASIO Bridge** or **ReWire** connections to patch Pyramix (or any other DAW) outputs to the mixing Console for advanced Cue editing.



Level Meter

This page determines the appearance and behavior of the level meters in the **Mixer**.



Show Settings > Mixing Console > Level Meter

These settings only apply to the current **Mixer**. This allows each **Mixer** to have its own custom **General** and **Level Meter** settings.

To change any of the settings, click the left or right buttons or drag the horizontal scroll bar to increment or decrement the selected parameter. Alternatively, type directly into the number field for each parameter (these fields will only accept numbers within the permissible range for each parameter). The color graphic display of the level meter will respond immediately to show the effect of Headroom and Alignment parameter changes.

Headroom

Sets the amount of headroom displayed as red meter segments before clipping.

Alignment

Sets the alignment level. Displayed by the point on the scale at which the dark orange segments begin.

Peak and Overload Hold Time

Sets the amount of time in seconds that the peak segment or overload segment (topmost red segment) of the level meter remains illuminated.

Permanent Overload

When the box is checked, the red Overload LED above a track will remain lit, even after playback is stopped. To clear the LED, double-click it. When not checked, the



Overload LED will automatically clear itself after a few seconds and remain off until the next overload occurrence.

Note: The overload LED will go on after one sample with the maximum level.

Permanent Peak

This parameter works in conjunction with the Peak Level Display. When this is on (checked), the Peak Level pop-up display will show the value and location of the highest level reached on a track up to the time when the mouse was clicked on the meter. The level display will not be updated until the next time playback is stopped and re-started. If it is not on (unchecked), the Peak Level Popup Display will show the highest level reached in that track from the last time the Popup Display is activated (while playback continues). For example, clicking a channel's meter while playing back will display the Peak Level Popup, which will show the peak level (and its location) reached so far. Click away from the Popup, and it will disappear. Click on that meter again, and the Popup will appear again, this time showing the peak level/location reached since the last time the Popup was displayed.

Decay integration time

This parameter sets the rate at which the level meter display decays after the level falls below the most recent peak. The slope of the decay is given in terms of milliseconds per decibel (ms/dB).

Peak level indicator

Show After

When the box is checked, the **Fader/Input Level** displays located above the faders on each mixer strip display the peak level of the signal running through the corresponding mixer strip. The values are updated at the interval set by the slider below the check box. If the check box **Show After** is off, the **Fader/Input Level** displays always show the setting of their corresponding fader.

DSD Peak Filter

For DSD projects this drop-down list offers the choice between two filtering options which will be applied to the DSD signal before it is measured by the level meter.

This will help enable you to ensure that the DSD signal is compatible with the AES recommendations concerning the high frequency dither noise content.

20k

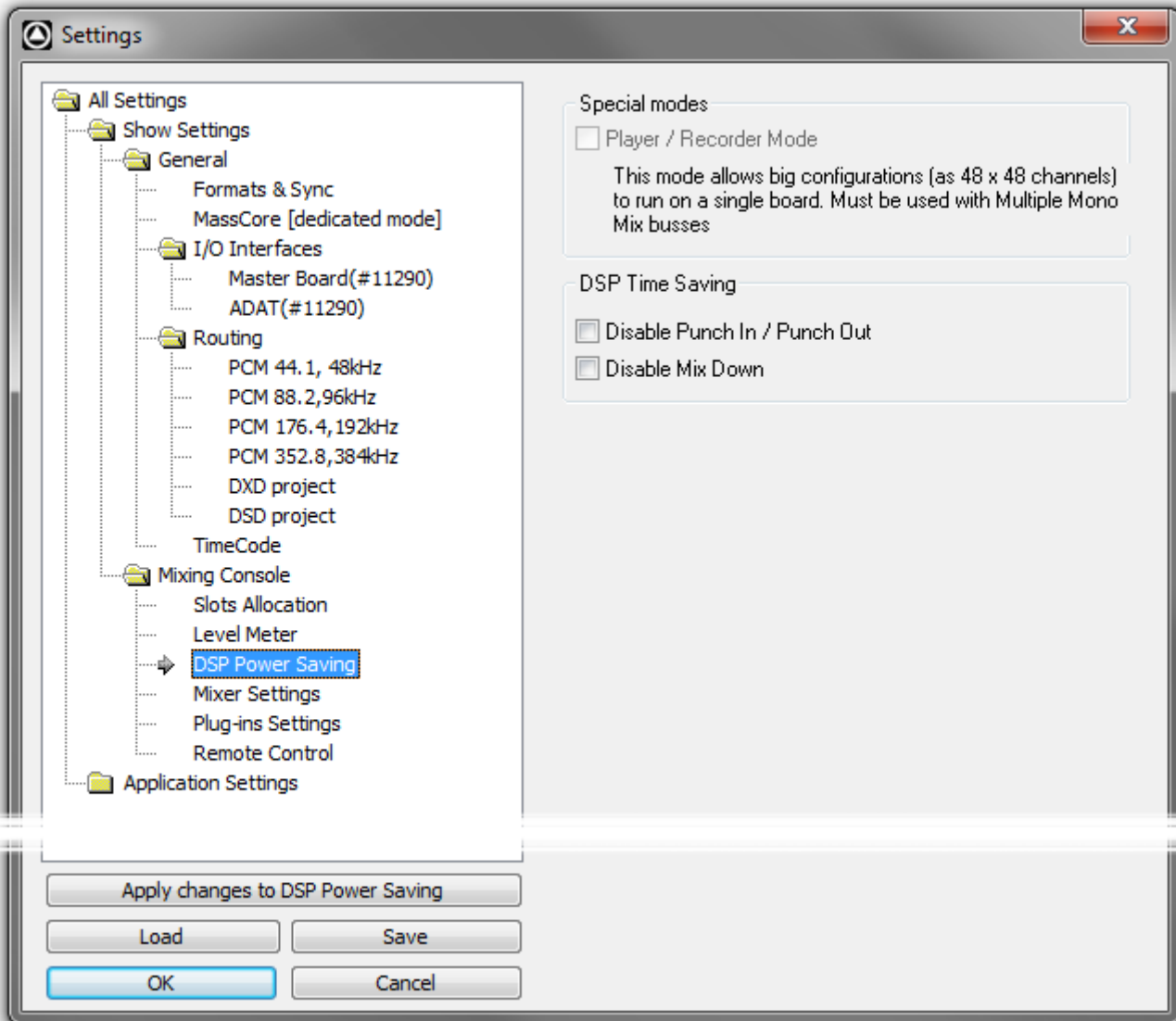
Applies a 20 kHz low pass filter to the signal, thus only the audible audio content is measured.

40k-100k

Applies a band pass filter with a frequency range of 40 kHz to 100kHz to the signal. According to the AES recommendation the signal level in this frequency range should not exceed -20 dB.



DSP Power Saving



Show Settings > Mixing Console > DSP Power Saving

Special Modes

Player/Recorder Mode

This mode allows big configurations (such as 48 x 48 channels) to run on a single board. Player/Recorder Mode is intended for use with an external hardware console. When this mode is activated, the mixer is relegated to the role of signal router, there is no level control, no panning, no plug-ins and no inserts. This option is only available in configurations with multiple mono mix busses.

The **Direct Out** functionality provides an alternative, more user configurable method of achieving similar DSP savings.

DSP Time Saving

Disable Punch In / Punch out When the box is checked, Punch-in and out recording capabilities are disabled.

Important! The software still will allow you to arm tracks and to start the recording process, but the resulting media file will contain digital nulls.

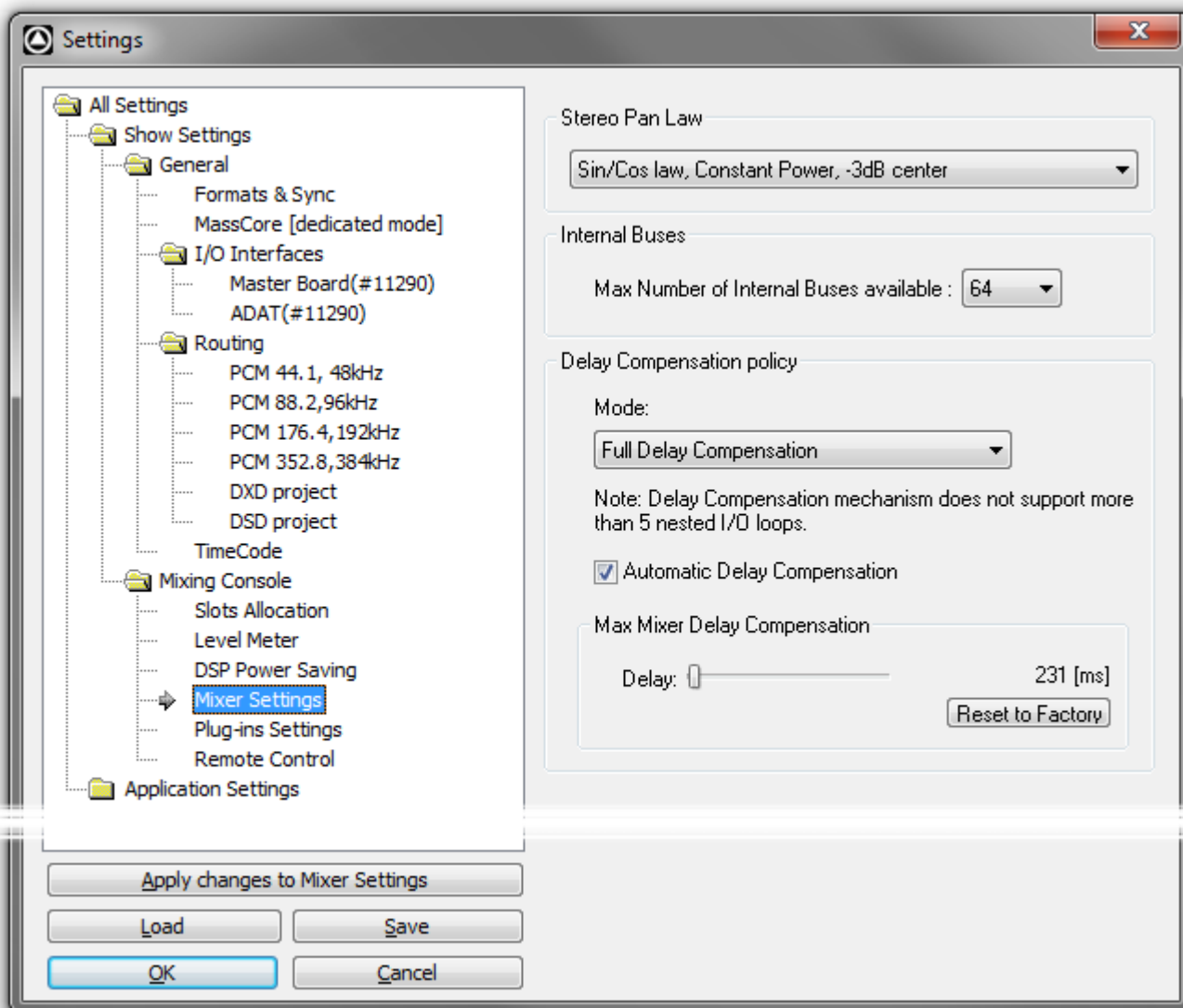
Disable Mix Down

When the box is checked, the digital mixdown function activated with the menu command: **Project->Mix Down** is disabled.

Important! The software still will allow you to start the mixdown process, but the resulting media file will contain digital nulls.



Mixer Settings



Show Settings > Mixing Console > Mixer Settings

Stereo Pan Law

The drop-down menu offers a choice between the default **Sin/Cos law, Constant Power, -3dB center** and **Square Root law, Constant Power, -3dB center**.

Note: Existing projects will use the previous default **Square Root law** unless this setting is changed.

Internal Buses

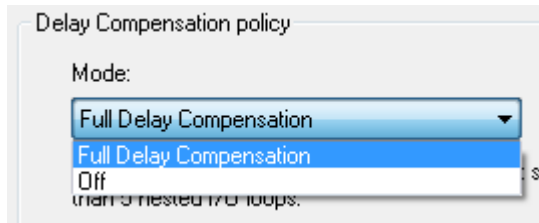
Max Number of Internal Buses available : Select the number of Buses required from the drop-down. (32 - 384)



Delay Compensation Policy

Mode

The drop-down menu offers a choice between:



Full Delay Compensation

Off

Note: Automatic Delay Compensation does not support more than 5 nested I/O loops.

Automatic Delay Compensation When ticked, turns Automatic Delay Compensation **On**

Note: Any changes to the delay required that occur during playback or recording will only be computed and applied when the Transport is next in **Stop**.

Max Mixer Delay Compensation

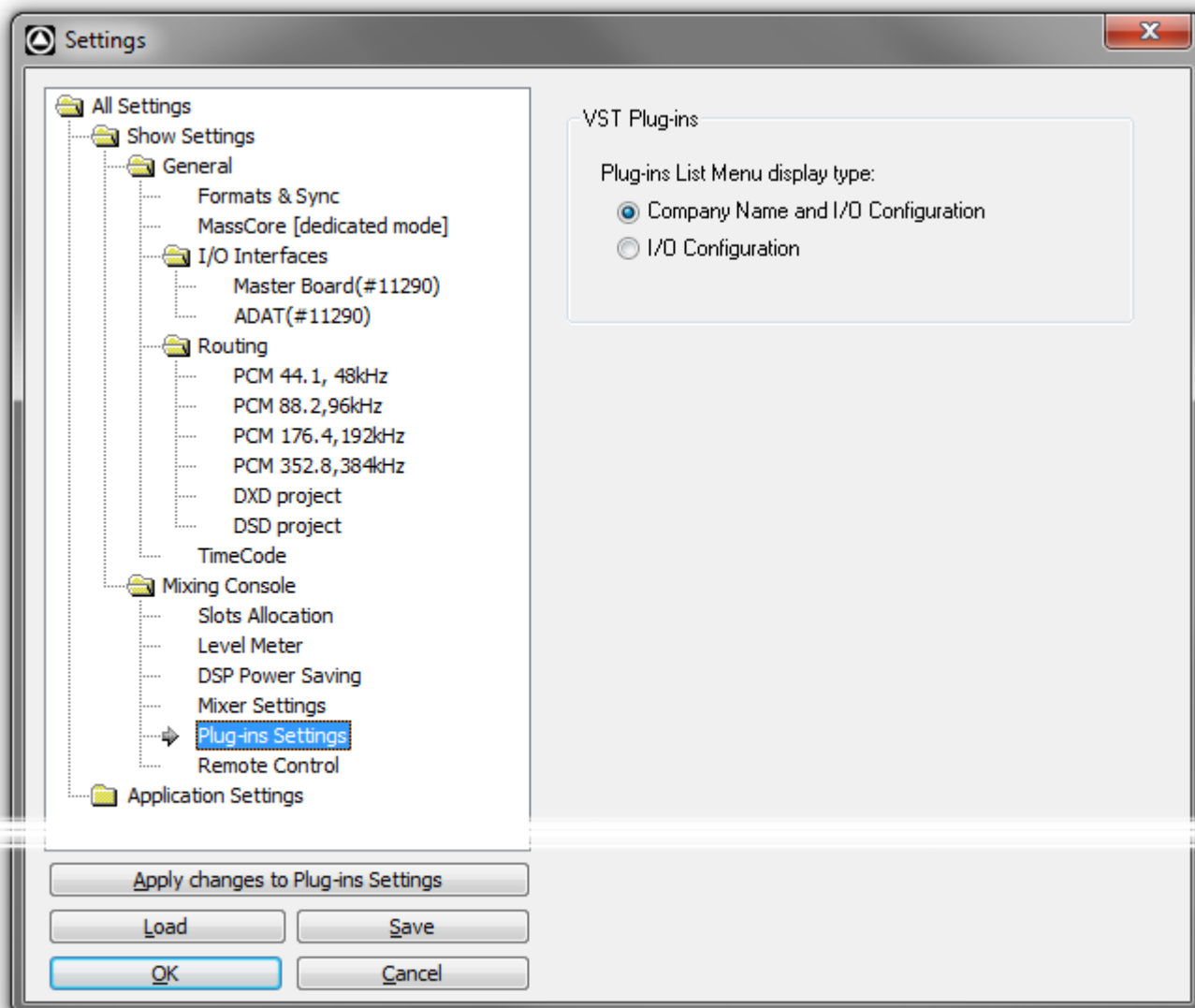
When required by the **Mixer error: Delay compensation** dialog the slider should be set to a value just above the delay latency value requested.

Reset to Factory

Click the button to restore the factory computed maximum delay value.



Plug-ins Settings



Show Settings > Mixing Console > Plug-ins Settings

VST Plug-ins

The buttons offer a choice of how the VST Plug-ins are ordered and grouped in the **Plug-ins List Menu**.

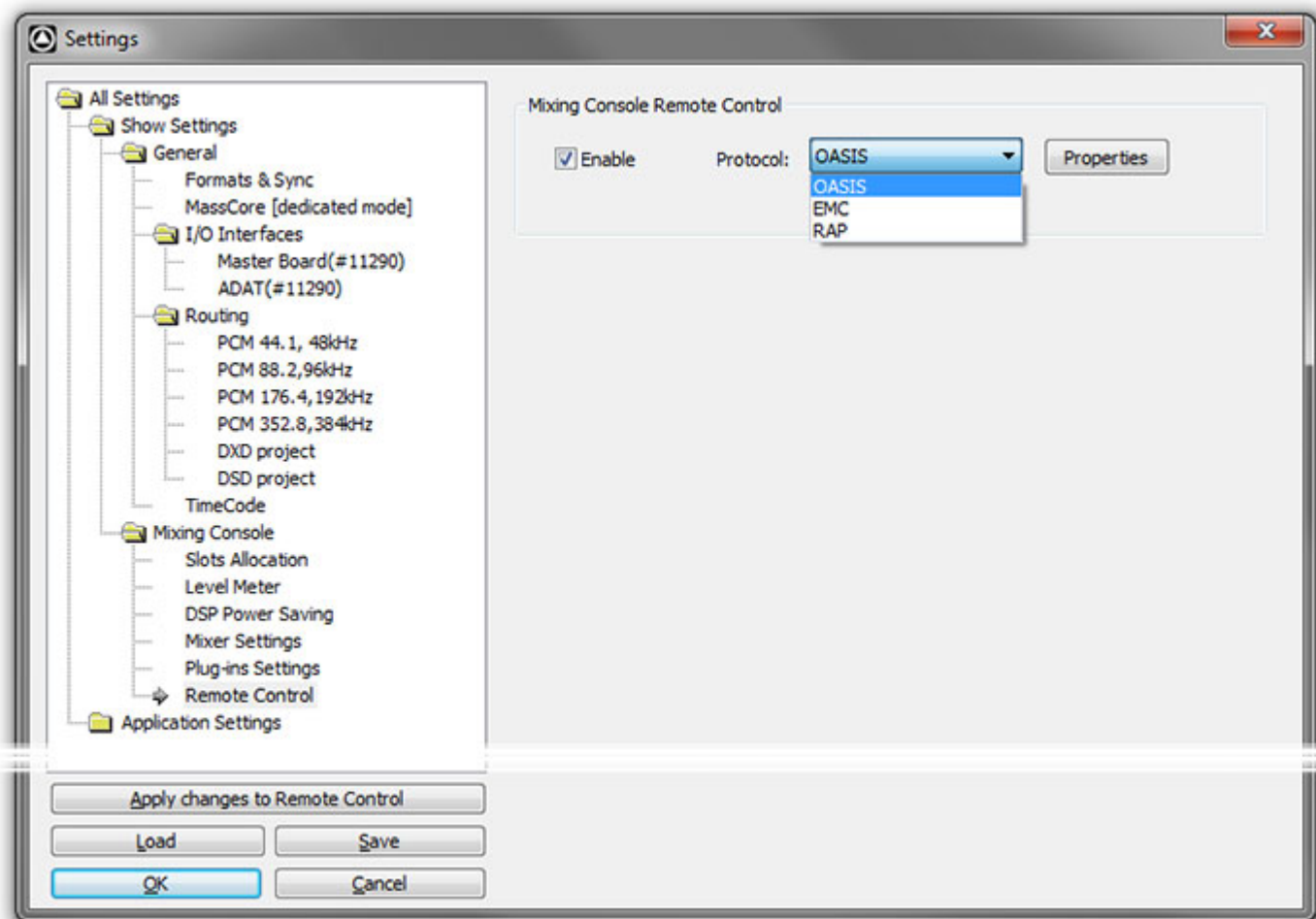
Company Name and I/O Configuration Sorts the list will be ordered by Company Name and the plug-in's grouped according to their I/O configuration. I.e. **1 in - 1 out, 1 in - 2 out, 2 in - 2 out** and so on.

I/O Configuration

Groups the Plug-ins by I/O Configuration and within each group lists them alphabetically by name.



Remote Control



Show Settings > Mixing Console > Remote Control

Mixing Console Remote Control

Enable

When ticked enables the mixer remote protocol(s) selected from the drop-down list and set up in their respective configuration dialogs.

Properties

Opens the configuration dialog for the mixer remote protocol selected in the drop-down list.

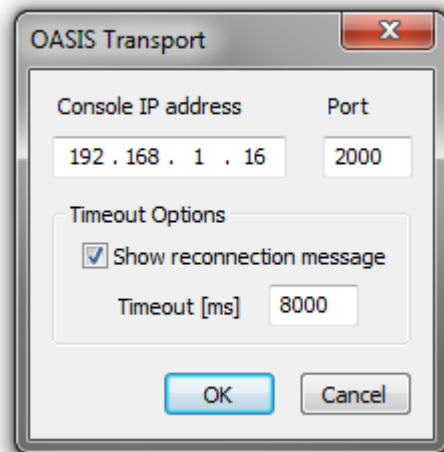
OASIS

EMC

RAP



OASIS



OASIS Transport Configuration dialog

Console IP address

Set the **Console IP address** and **Port**.

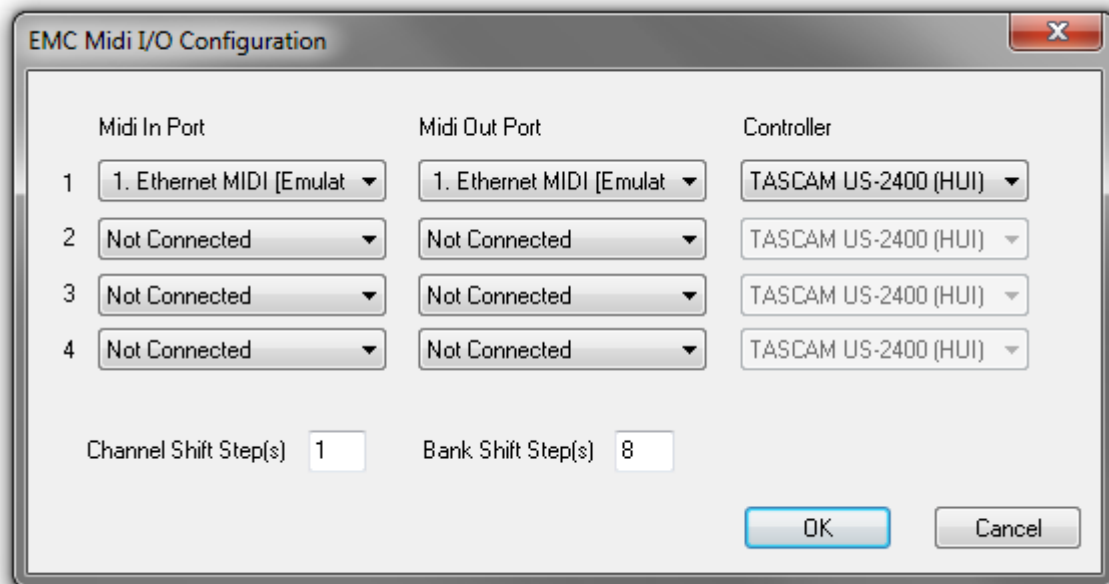
Timeout Options

Show reconnection message When ticked a message box will be displayed if connection to the console is lost and re-established.

Timeout [ms] Set the maximum time for connection to be re-established.

Click on **OK** to save the configuration and close the dialog or **Cancel** to close the dialog without saving.

EMC

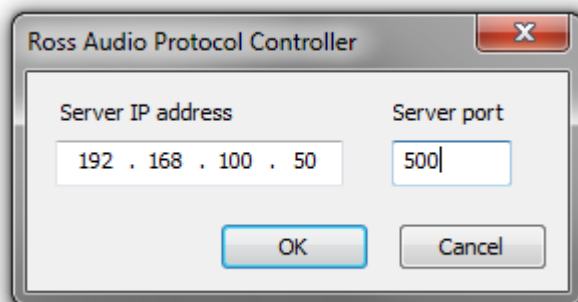


EMC MIDI I/O Configuration dialog

Click on **OK** to save the configuration and close the dialog or **Cancel** to close the dialog without saving.



RAP (Ross Audio Protocol)



RAP - Ross Audio Protocol configuration dialog

Ovation can be controlled by the Ross Overdrive and Vision products.

Set the **Server IP address** and **Server port** in this dialog.

Click on **OK** to save the configuration and close the dialog or **Cancel** to close the dialog without saving.

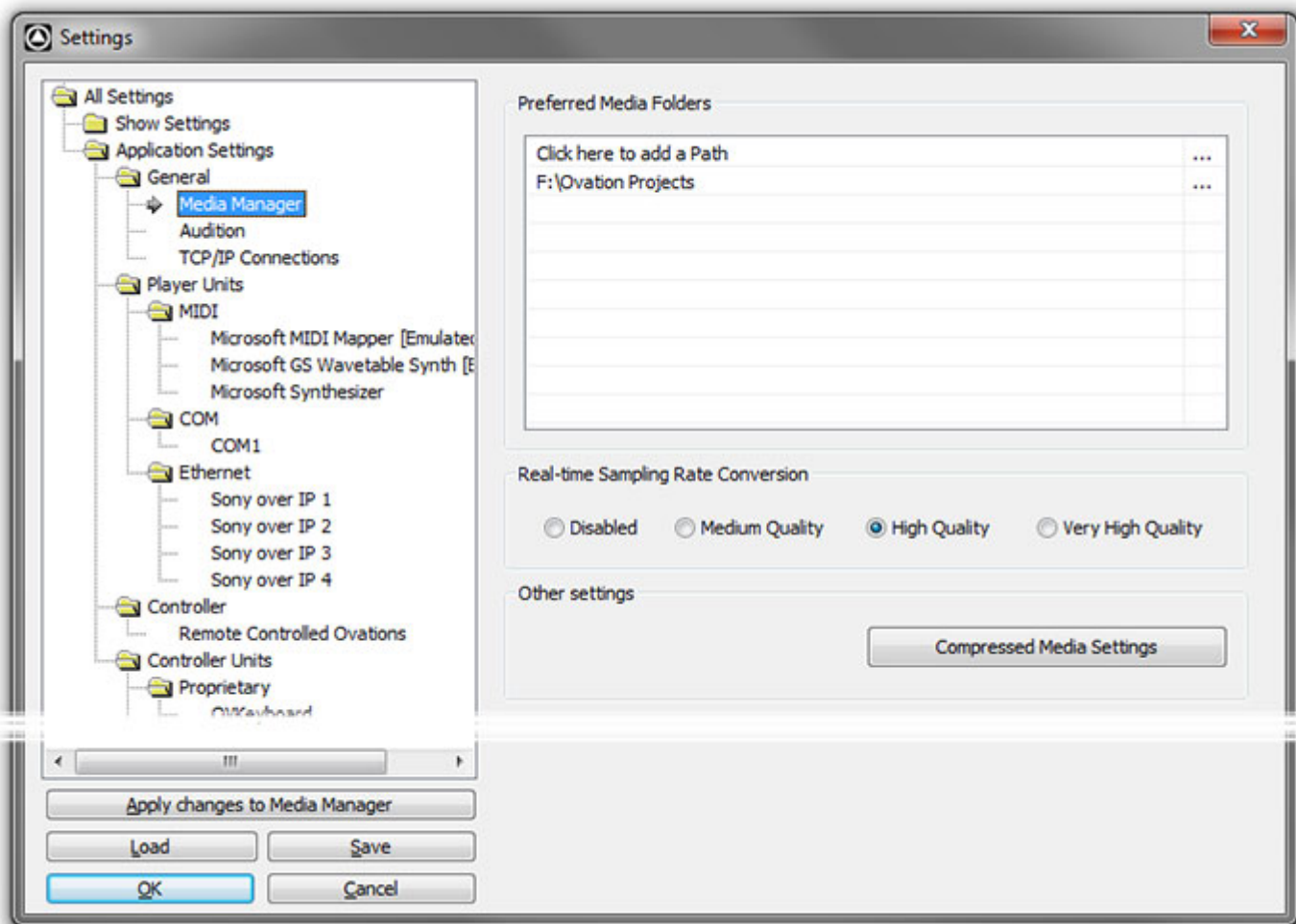
Note: RAP support requires the optional **OASIS first class** security key. (Included with Ovation Platinum)



Application Settings

General

Media Manager



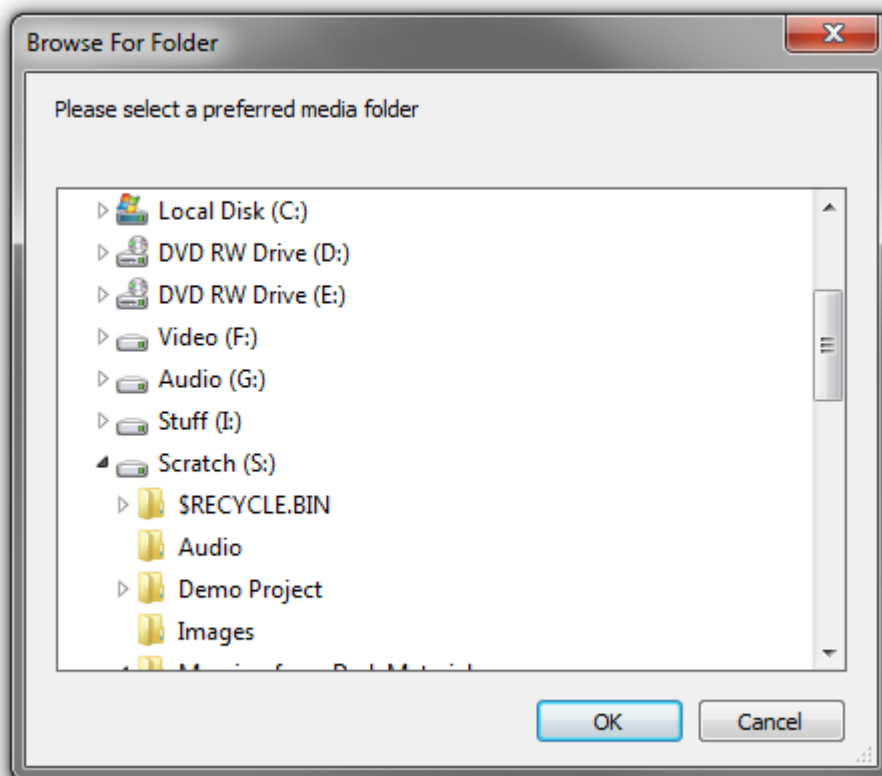
Application Settings > General > Media Manager



Preferred Media Folders

[Click here to add a path](#)

Click on the ... field to open the **Browse For Folder** dialog:



Preferred Media Folders Browser

This enables new Media Paths to be added to search for Media required to Run by an Ovation Show. For example, it may be desirable to use locally stored Cues rather than run them across a network connection.

Real-time Sampling Rate Conversion

Toggles between three options:

Disabled

No Real-time SRC will take place. Clips will be played back at the original sampling rate. I.e. if sampling rate does not match Project sampling rate then the Clips will be played back at incorrect speed.

Medium Quality

Clips will be played back at the correct speed. Conversion, if necessary, will be carried out at a compromise quality between speed and quality.

High Quality

Clips will be played back at the correct speed. Conversion, if necessary, will be carried out at a the highest quality. This obviously requires more resources.

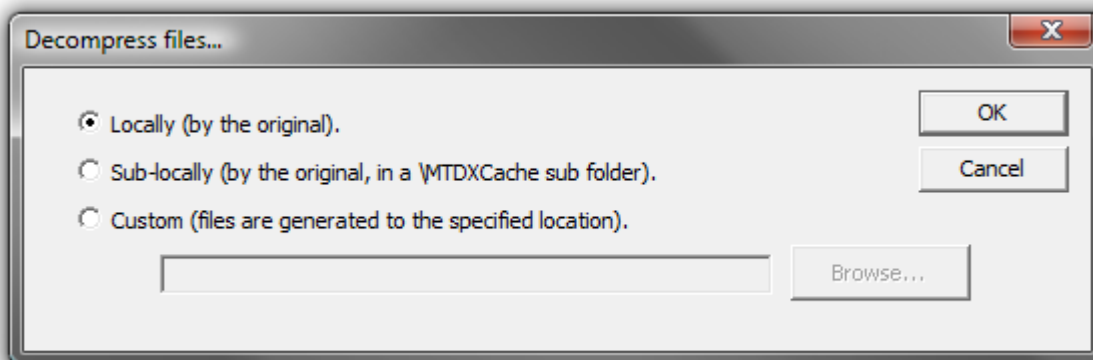
Very High Quality

Clips will be played back at the correct speed. Conversion, if necessary, will be carried out by the Merging Technologies **HeptaCon** Sample Rate Converter at a the very highest quality.

Other Settings

Compressed Media Settings

Here you specify where the media should be decompressed to :



Decompress files... dialog

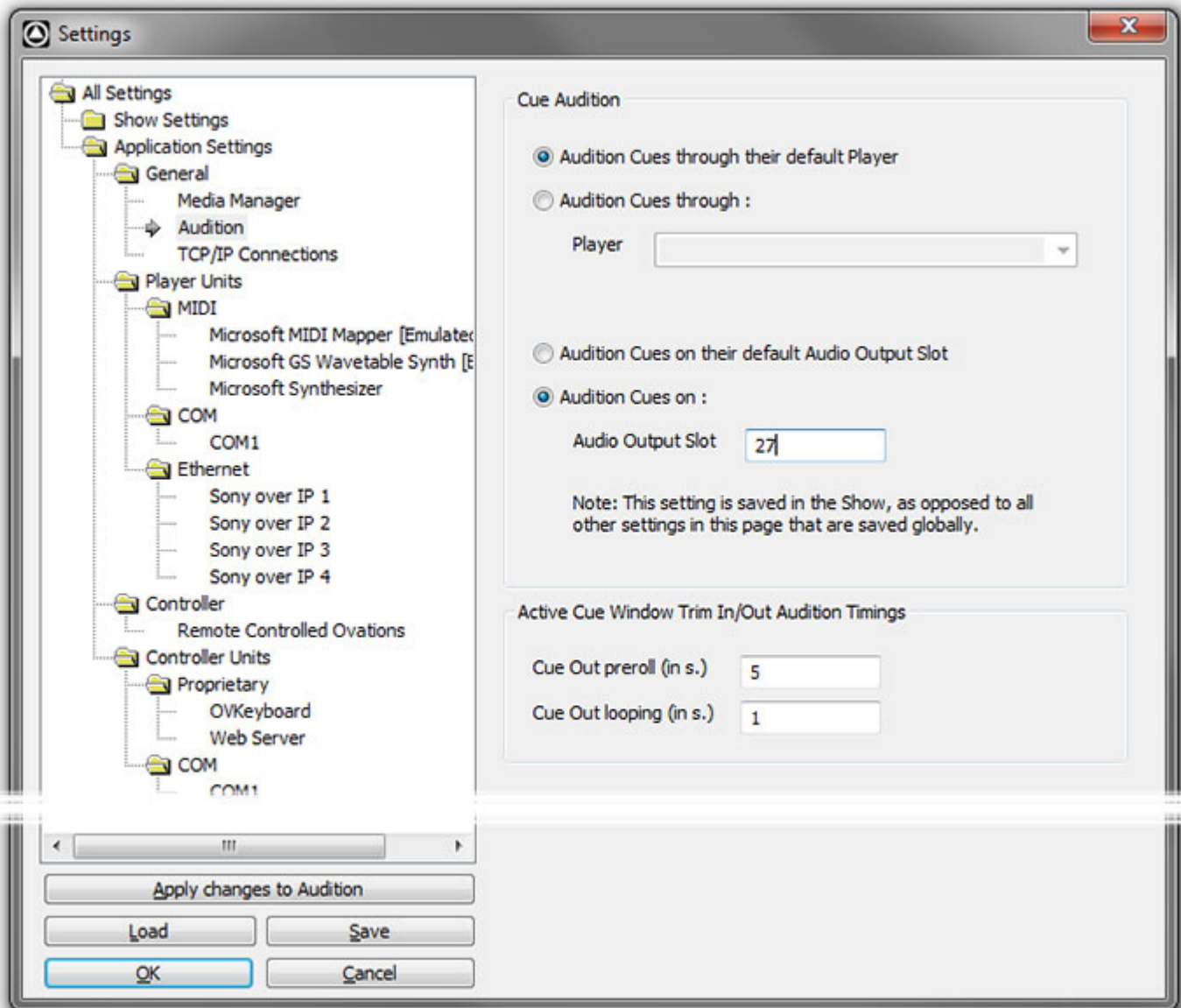
Locally (by the original). When active, File(s) will be created in the same location as the original file.

Sub-locally (by the original, in a \MTDXCache sub folder). When active, File(s) will be created in a sub-folder created by Pyramix in the same location as the original file.

Custom (files are generated to the specified location). File(s) will be created in a user specified location. When this option is selected the **Browse...** button is available to open a file browser window to set the user defined path.



Audition



Application Settings > General > Audition

Cue Audition

The radio buttons offer a choice of which **Player** and **Audio Output Slot** will be used to audition Audio Cues. Default is the machine Ovation is running on. Alternative Player choices are only valid in very advanced configurations with Players on networked machines.

Note: For multi-channel Cues, the number set in the **Audition Cues on : Audio Output Slot** box defines the FIRST slot to be used for audition monitoring. So, if the Cue is six channel surround and the number in the box is **9** then the signals will be routed to Output Slots **9** though **14**

Audition Cues through their default Player

Audition Cues through : Any Player, on the network can be selected from the Player drop-down list.

Audition Cues on their default Audio Output Slot

Audition Cues on :

Audio Output Slot Any available Audio Output Slot can be typed in the field.

Note: This setting is saved in the Show, as opposed to all other settings in this page that are saved globally.



Active Cue Window Trim In/Out Audition Timings

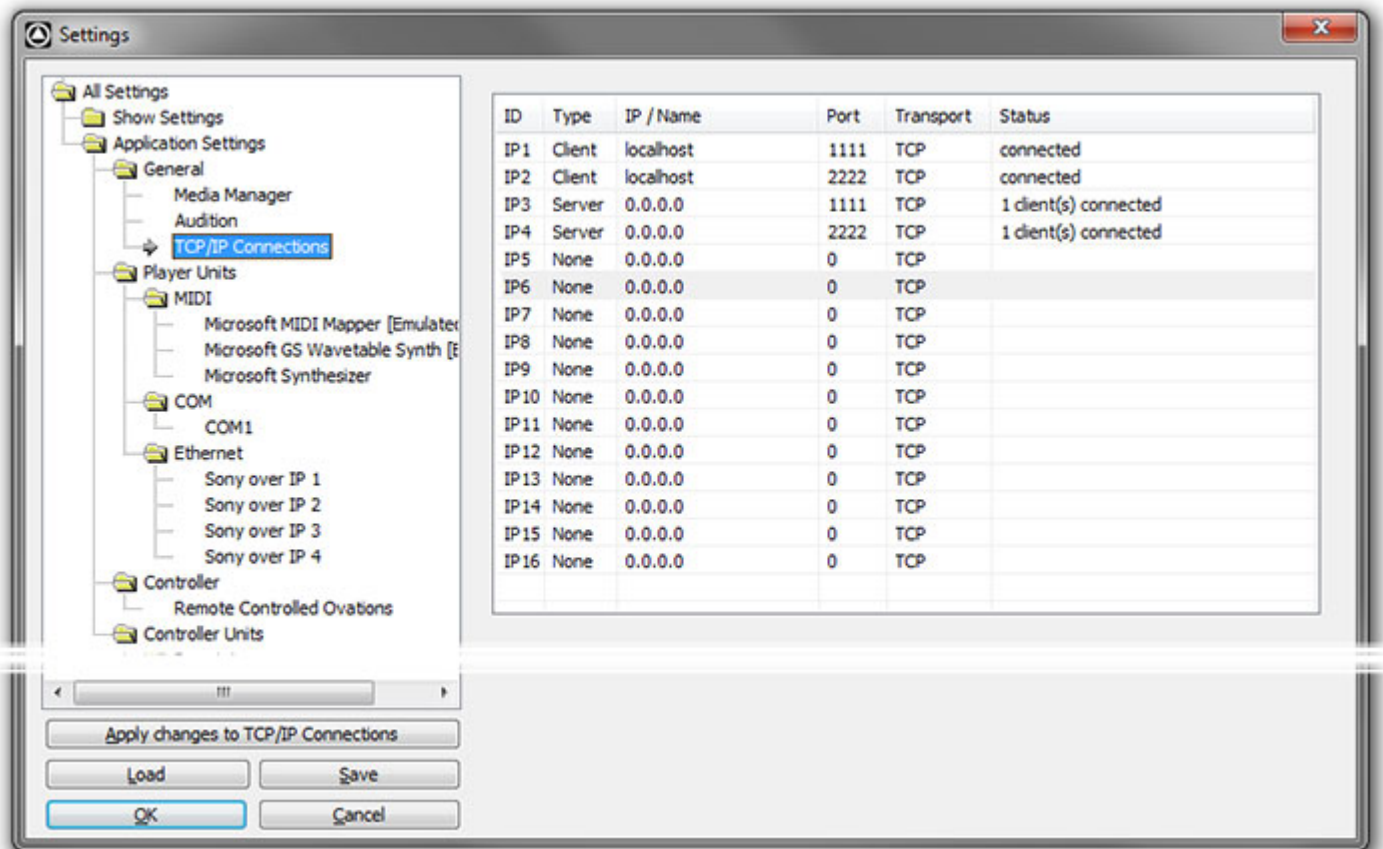
Cue Out preroll (in s.)

Click in the field to enter an alternative to the default value (**5 secs**)

Cue Out Looping (in s.)

Click in the field to enter an alternative to the default value (**1 sec**)

TCP/IP Connections



Application Settings > General > TC/IP Connections

The TC/IP Connections page enables Ovation TCP/IP connections to be set with the following options:

Type	Server or Client
IP address / Server name	Enter the target Server IP address or name here. (Not relevant if Type is set to Server)
Port number / name	Enter the target Port number or name here.
Transport	Default is TCP .
Status	This field shows the current status of the connection.

Note:

- Once an IP Client or Server is created, the IP object appears in both the **Player Units** and **Controller Units** sections.
- Player Units** deal with Control Protocol Outputs
- Controller Units** deal with Control Protocol Inputs
- Both **Servers** and **Clients** can send AND receive data. The only practical distinction between them is that a Server can be connected to multiple clients whereas a Client can only be connected to one Server.
- Servers accept multiple Clients' connections.
- When data is sent through a Server, it is sent to all connected Clients.
- When a Server is no longer available, Clients attempt to reconnect to the Server automatically.

- When a new connection is created/destroyed, the **Apply changes to IP connection** button adds/removes the corresponding Player/Controller units.

IP Address / Server Name Considerations

In general, it is usually preferable to use fixed IP addresses to avoid surprises. A DHCP server *should* assign the same address to a given device every time until the device is offline for the amount of time set in the DHCP servers "lease time". If you use machine names instead of IP addresses then there is no real disadvantage with a DHCP server on the network. However, some devices cannot be resolved as a name and an IP address is the only way to connect them. So, unless there is a very good reason not to use them, fixed IP addresses are the preferred option.

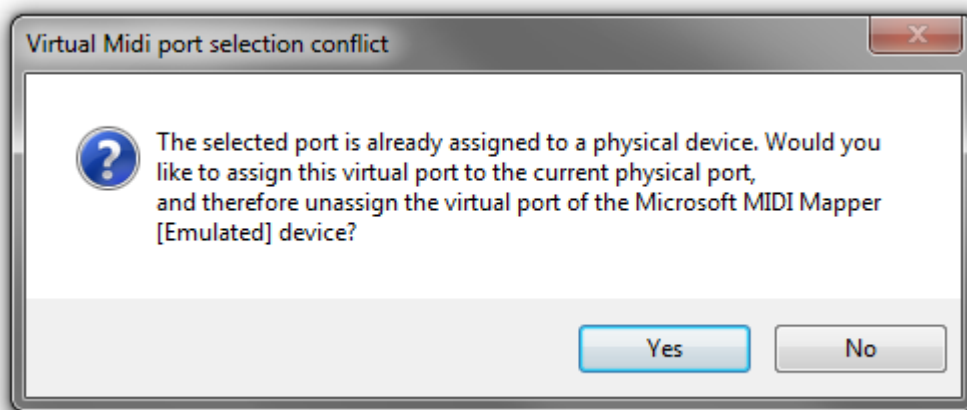
Note: It is best to avoid using the most common port numbers (under 1024). For maximum safety we would recommend the use of ports in the range 49152–65535.

Player Units

Player Units are the virtual devices which enable Ovation to control other targets .

Lists available MIDI interface IP ports and COM ports for playing **MIDI**, **IP Commands** and **Sony P2 / RS422** Cues

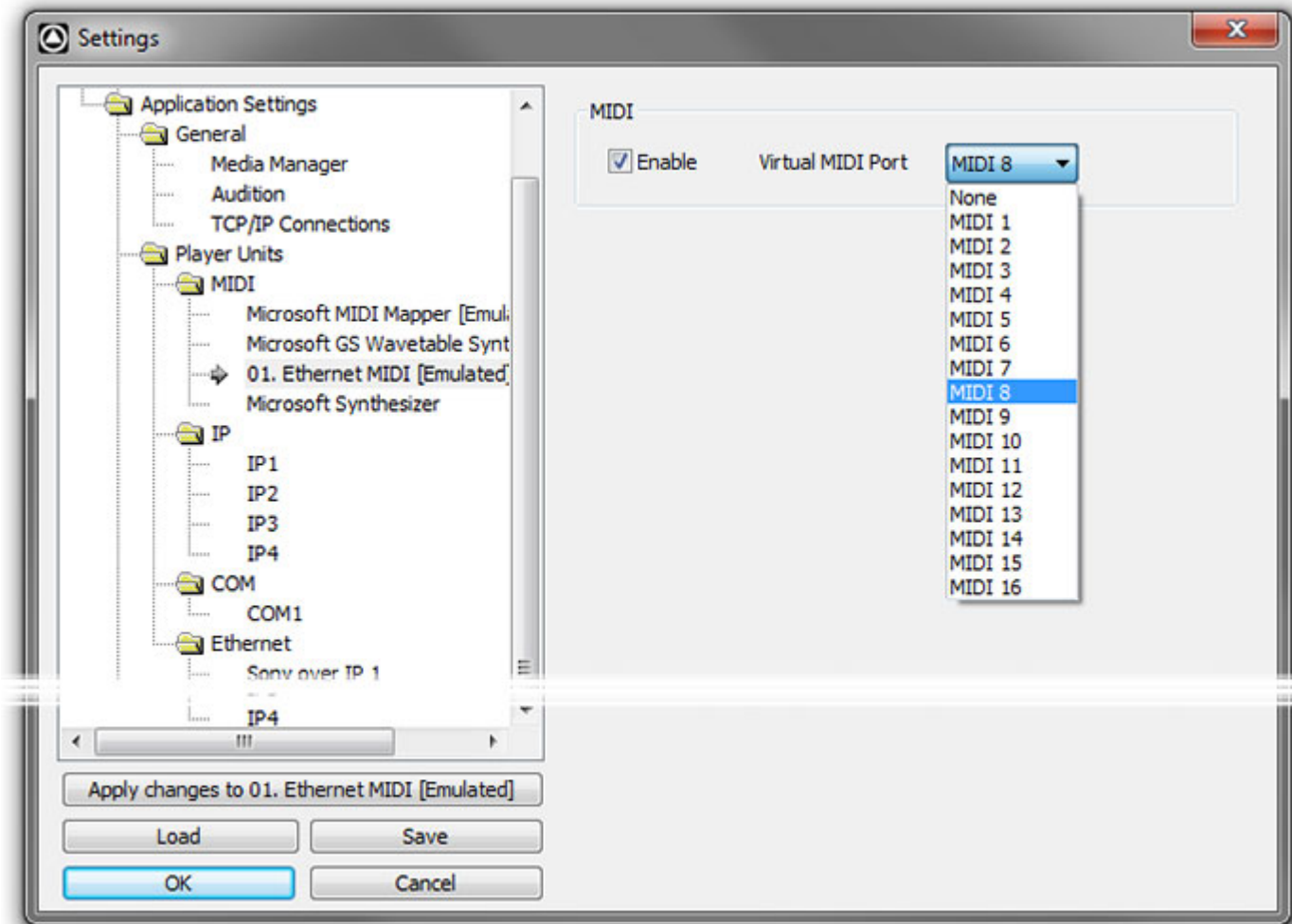
Note: If you attempt to assign an output to a Virtual Com Port that is already in use this dialog appears:



Virtual COM Port selection conflict



MIDI



Application Settings > Player Units > MIDI

Clicking on an entry in the MIDI list under Player Units brings up the associated options in the right-hand pane.

Midi

Enable

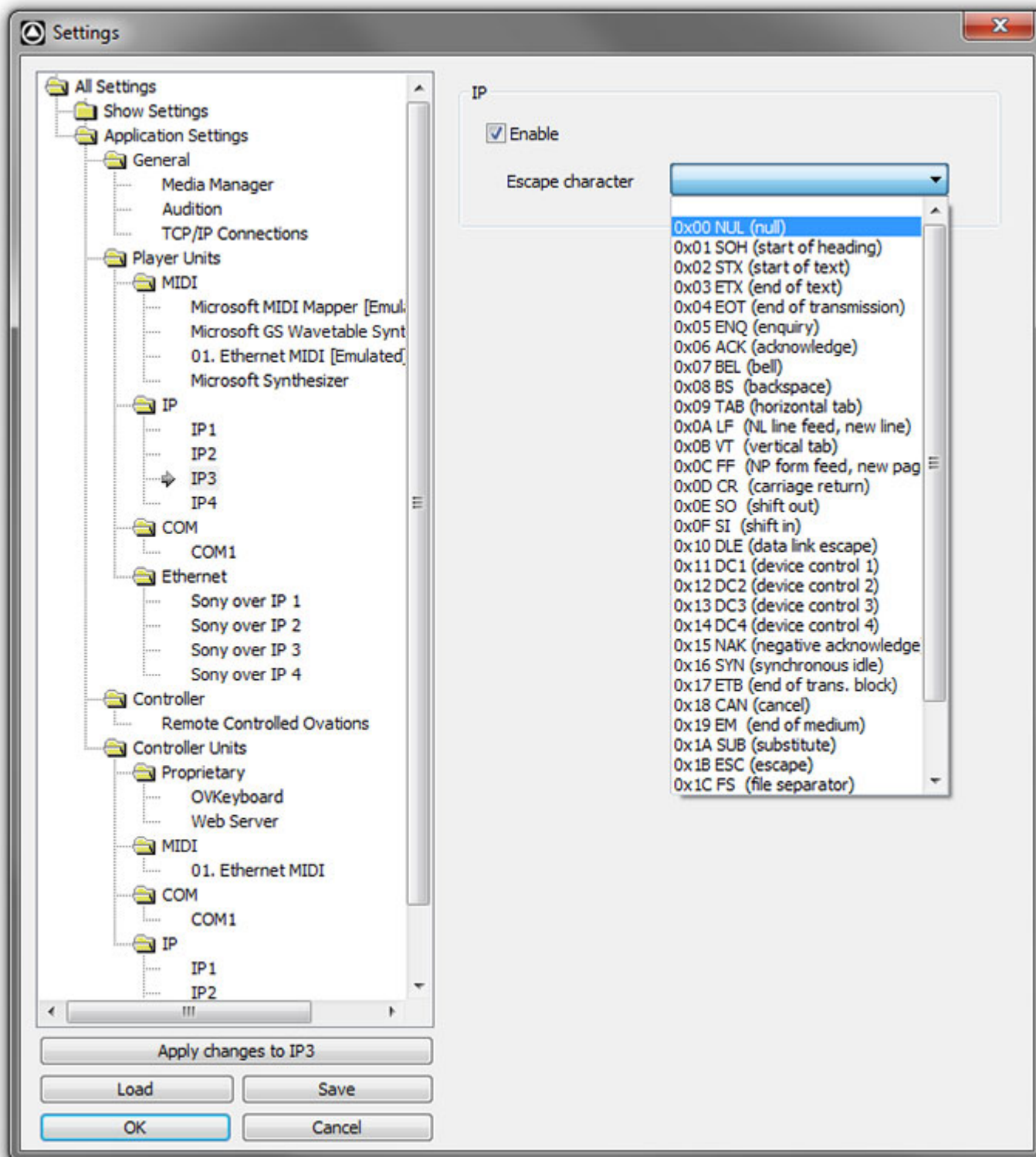
Click to enable

Virtual MIDI Port

When enabled the drop-down list becomes active to enable a **Virtual Midi Port** to be selected from the list.



IP



Application Settings > Player Units > IP

IP

Enable

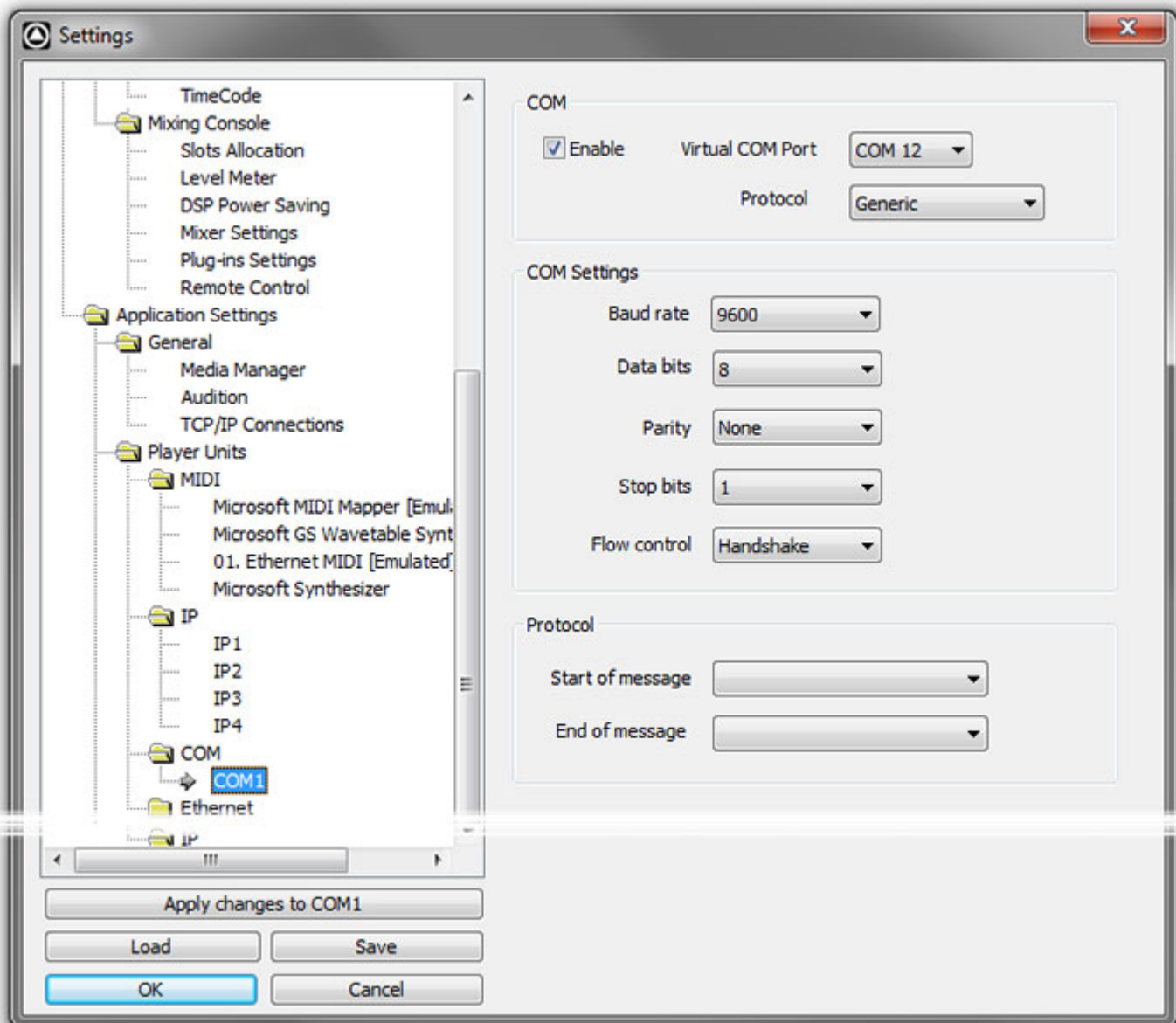
When checked the Player will output IP commands as defined in Cue Properties.

Escape character

When checked an Escape character is used to define the end of a command string. Choose a suitable Escape character from the drop-down list.



Com



Application Settings > Player Units > COM

COM

Enable

Click to enable the COM Player

Virtual COM Port

When enabled the drop-down list becomes active to enable a **Virtual COM Port** to be selected from the list.

Protocol

The drop-down offers the choice of **Generic** or **Sony P2**

COM Settings

Note: COM Settings and Protocol below are only available when **Generic** is selected in **Protocol** above.

When **Generic** is active the following serial port options are available. Use the drop-down lists to select the appropriate settings for your application:

Baud rate

Data bits

Parity

Stop bits

Flow Control

Protocol

Start of message

The drop-down list offers a choice of hex character strings which will be added to the start of each outgoing message.

End of message

The drop-down list offers a choice of hex character strings which will be added to the end of each outgoing message.

Ethernet

Sony P2 over IP 0

Pre-requisites

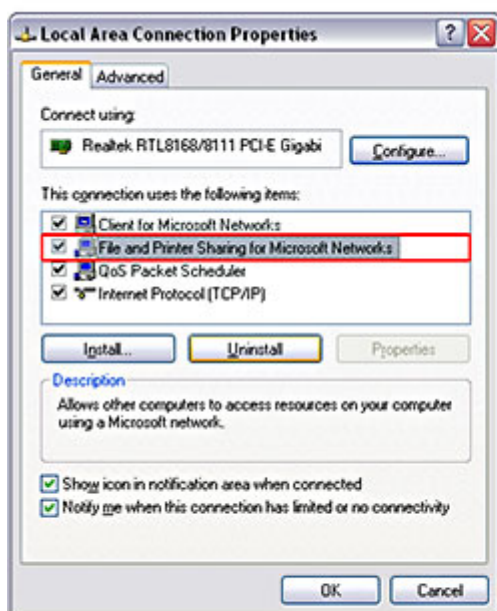
1. Check that **File and Printer Sharing is activated**:

Win XP

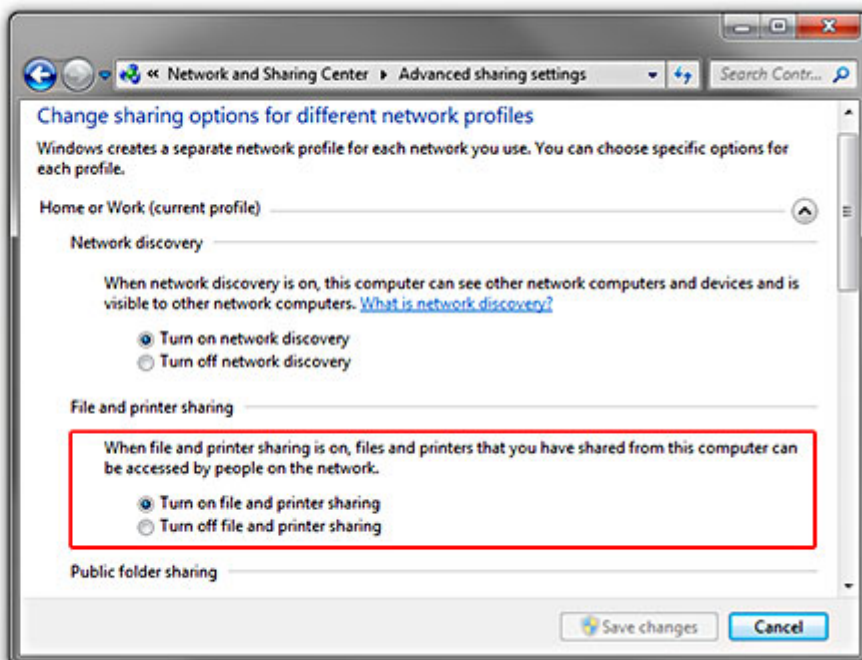
Windows Control Panel > Network Connections ~select your LAN card/adaptor~ Right-click and choose Properties

Win 7

Windows Control Panel > Network and Sharing Center > Change advanced sharing settings



Local Area Connection Properties



Network and Sharing Center > Advanced Sharing Settings

2. a) **Computers on a domain**

If your Computers are connected under the same domain jump directly to section 3, since the security access is managed by your domain server. Please talk to your IT Manager for further details.

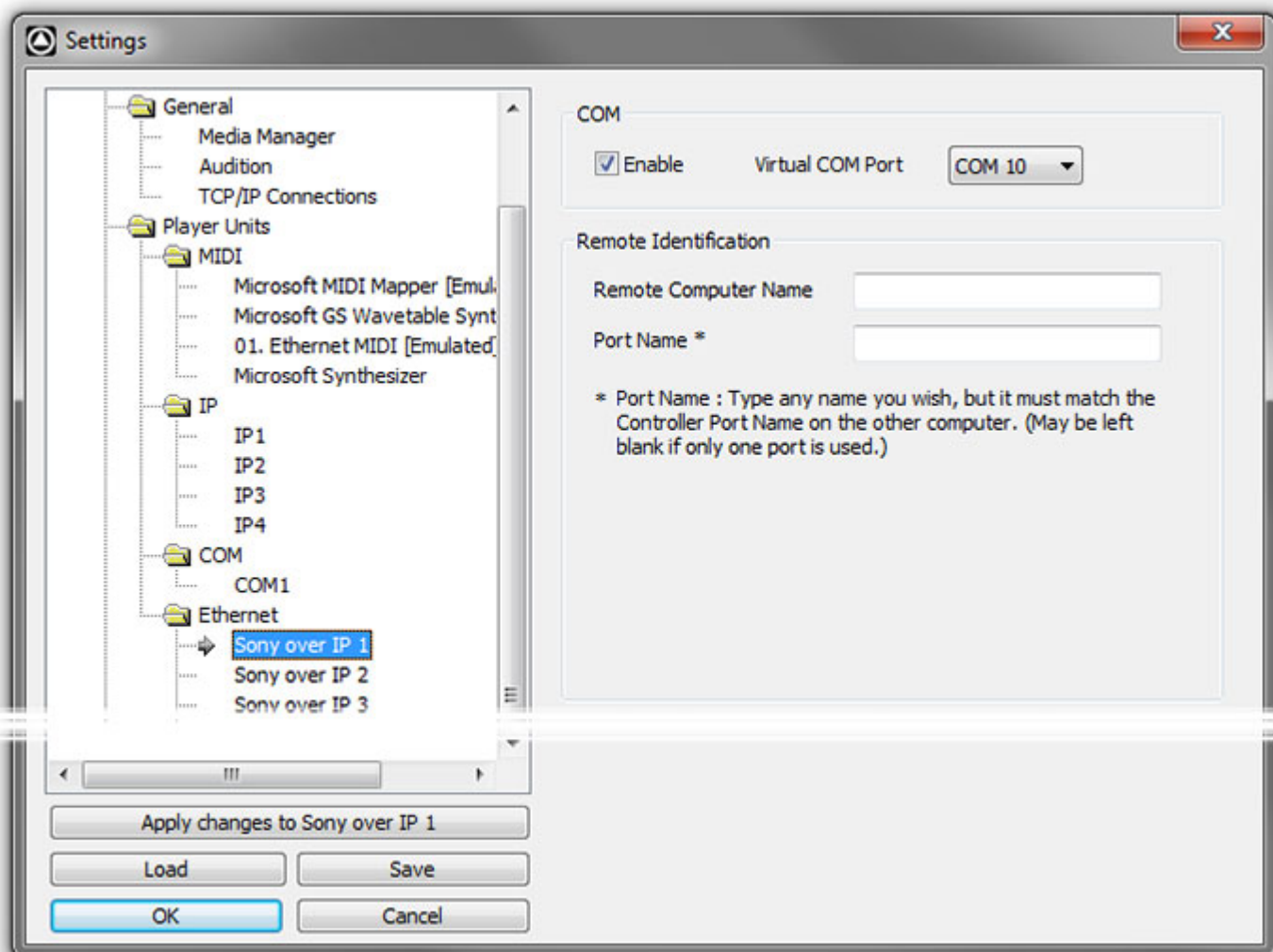
b) Computers in a WorkGroup

Working under workgroups requires some extra steps:

- Make sure each machine is a member of the same workgroup.
- You can change your workgroup in **Windows Control Panel > System > [XP]Computer Name tab > Change [Win7]Change Settings**
- You must restart the computer for changes to take effect !
- On each machine, make sure that you can access the other machine(s):
- **My computer > Network > Workgroup**
- Remember that you have to enter a user name and its password for a user account on the machine that you require access to.

- Check the box **Remember my credentials** [Win7] **Remember my password** [XP] Otherwise you will have to enter the user name and password each time you restart the computers.
- You do not need to share any folders.

Sony over IP



Application Settings > Player Units > SONY P2 > Device\Serial

Sony P2 over IP enables Ovation to control a remote VCube or Pyramix workstation by using the Sony P2 protocol over an Ethernet connection. Enable COM port.

Choose a Virtual **COM** Port (**COM1** to **COM 16**). This behaves in the same way as a real COM port. Virtual COM ports are used in the **Cue Properties** pane under **Sony P2 / RS422** and **COM Command** sections.

Remote Computer Name Insert an IP address or a computer name or leave blank when the target local is local. (E.g. VCube running on the same machine as the Ovation Sequencer.

Port Name Use if the target machine has multiples ports set. This could be the case for a Pyramix but not for a VCube.

In the rare case that the remote machine is a Pyramix, you must add a controller in Pyramix with the **Sony over IP** settings.

If the remote machine is a VCube, there is nothing to configure on the VCube side. But only **one** connection is permitted.

Com

Enable When the box is ticked Sony P2 over IP is active.

Virtual COM Port

Shows the virtual COM port selected currently. The down arrow drops-down the list of ports available.

Remote Identification

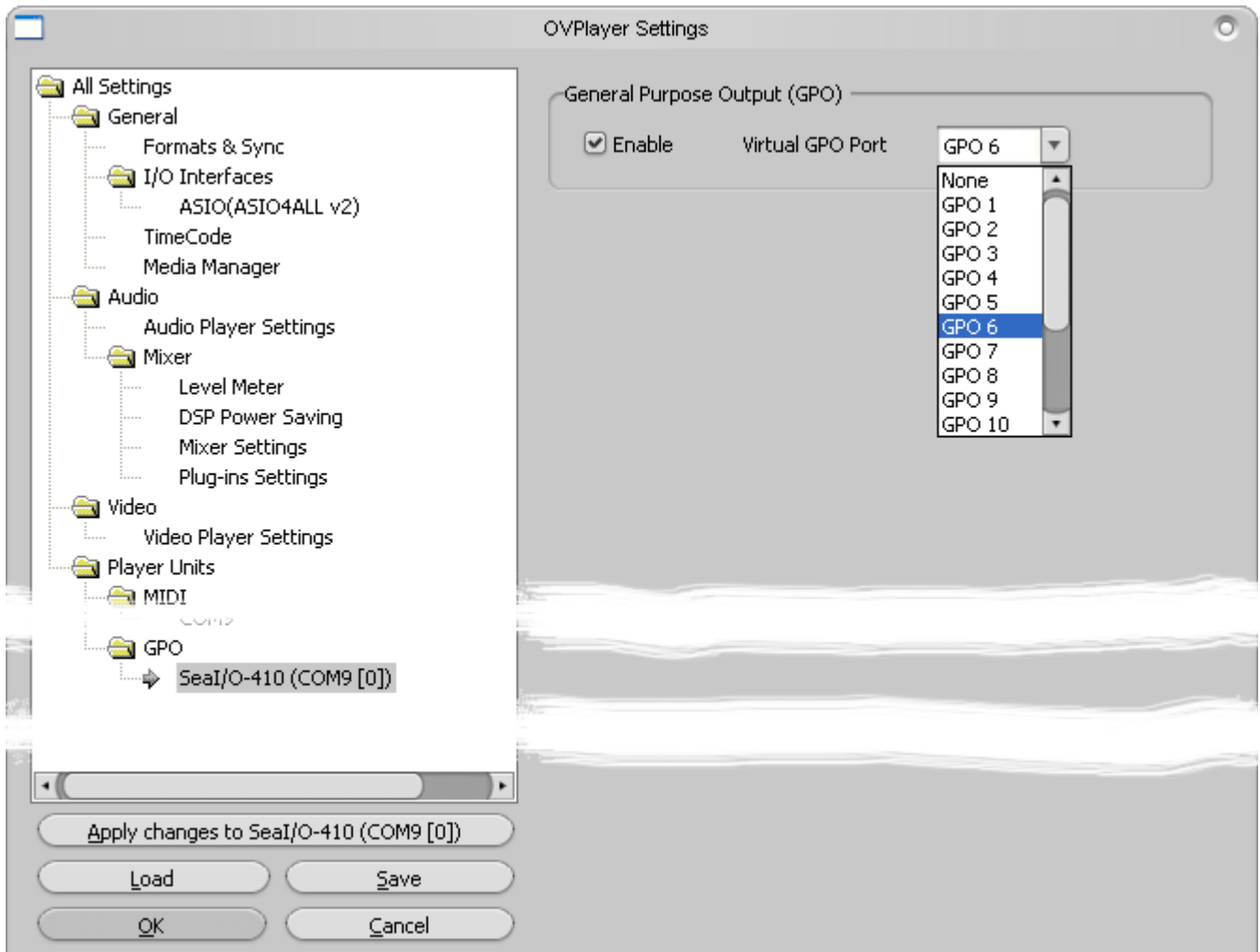
Remote Computer name

The entry here must match the remote computer

Port Name*

The entry here must match the Controller Port Name on the other Computer.

GPO



Application Settings > Player Units > GPO > Seal/O-410

Note: For the present the only supported GPI/O interfaces are the following models manufactured by **Sealevel**:

- SeaPORT PLC-16** 8 in 8 out
- Seal/O-410U 16 in 16 out
- Seal/O-420U* 16 in 8 out
- Seal/O-430U* 32 in 0 out
- Seal/O-440U* 0 in 32 out
- Seal/O-450U* 0 in 16 out
- SeaDAC P/N 8221* 16 in 16 out
- SeaDAC P/N 8222 16 in 8 out
- SeaDAC P/N 8223* 32 in 0 out
- SeaDAC P/N 8224* 0 in 32 out



- SeaDAC P/N 8225* 0 in 16 out

* Obtainable on special order.

** No longer available.

Note: Note: USB drivers are included in the Pyramix Installer. There is no need to download the driver from the supplier's website. For more information about the specification of the GPIO hardware device please see:

<http://www.sealevel.com>

A maximum of 32 units may be connected. Physically installed GPO devices will appear here. capabilities will depend on the model.

General Purpose Output

Enable

When ticked General Purpose Outputs are enabled

Virtual GPO Port

The drop down list offers a choice of all available Virtual GPO Ports or **None**.

Note: When the Show is running or a Cue is Auditioning if the Settings Window is opened the Player pages will not be present.

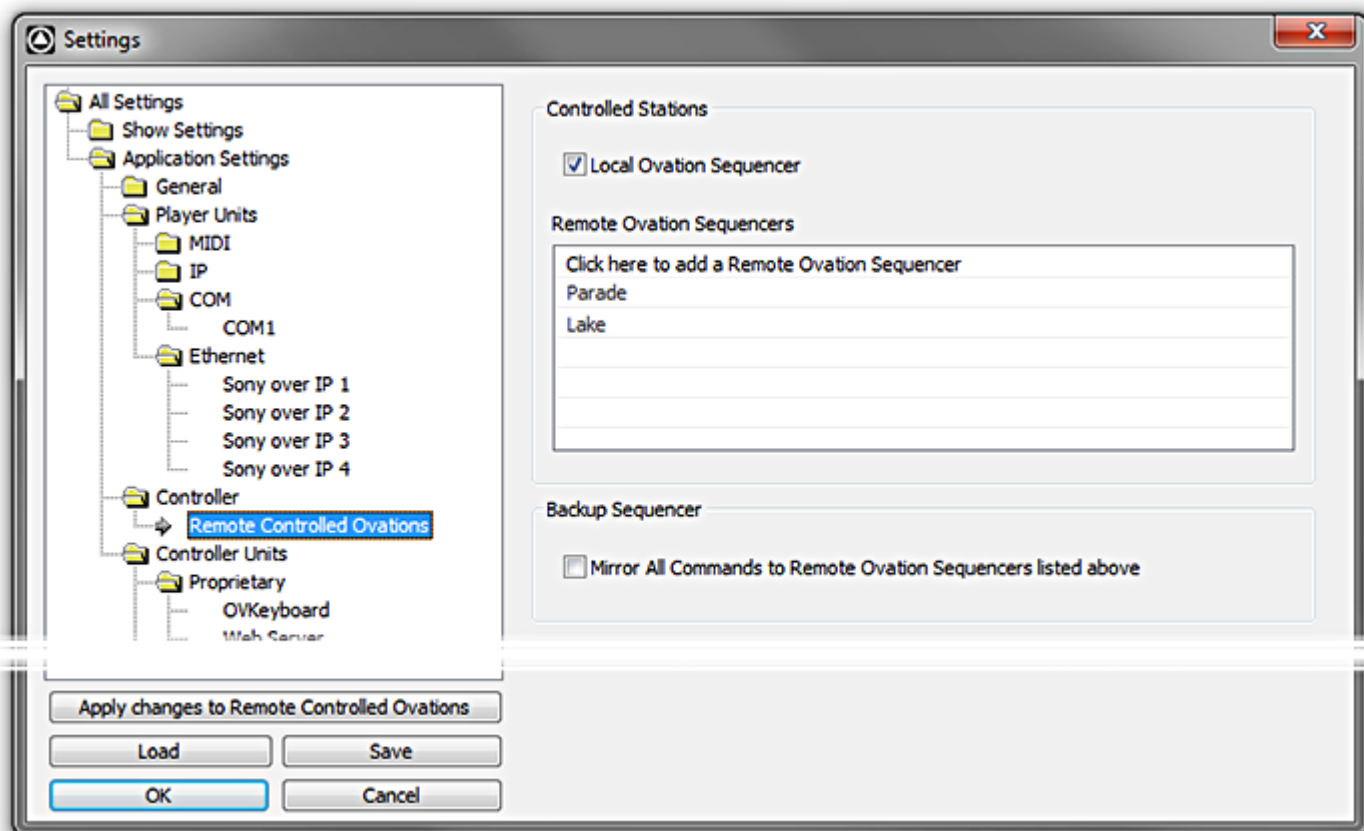
Note: Whether the Player is the default local machine or stand alone on a Networked machine, when the Show is running or a Cue is Auditioning all Player related pages are absent from the **Settings** window.



Controller

Remote Controlled Ovations

This page enables you to define which **Stations** i.e. PCs running Ovation, will be controlled by an OV Controller Session.



Application Settings > Controller > Remote Controlled Ovation Stations

Controlled Stations

Local Ovation Sequencer

When checked the Ovation Sequencer running in the same machine (Embedded or Local) receives the commands from this Controller.

Remote Ovation Sequencers

This table enables a list of remote machines to be added on which a running Ovation Sequencer will receive commands from the selected Controller. This allows for remote control via the network and/or controlling multiple Ovation Sequencers at the same time for redundancy.

New Remote Ovation Sequencers are added by clicking on **Click here to add a Remote Ovation Sequencer** and typing the PC's network name.

In the above screenshot two Remote Ovation Sequencers, **Parade** and **Lake** have been added.

Backup Sequencer

Mirror All Commands to Remote Ovation Sequencers listed above

When checked all commands on the local Ovation are mirrored to the selected remote sequencer(s) for redundancy.

Controller Units

Controller Units enable the Ovation Sequencer/Show controller to be remote controlled.

In this folder all supported Remote Control Units available in the system are listed in sub-folders. They can be:

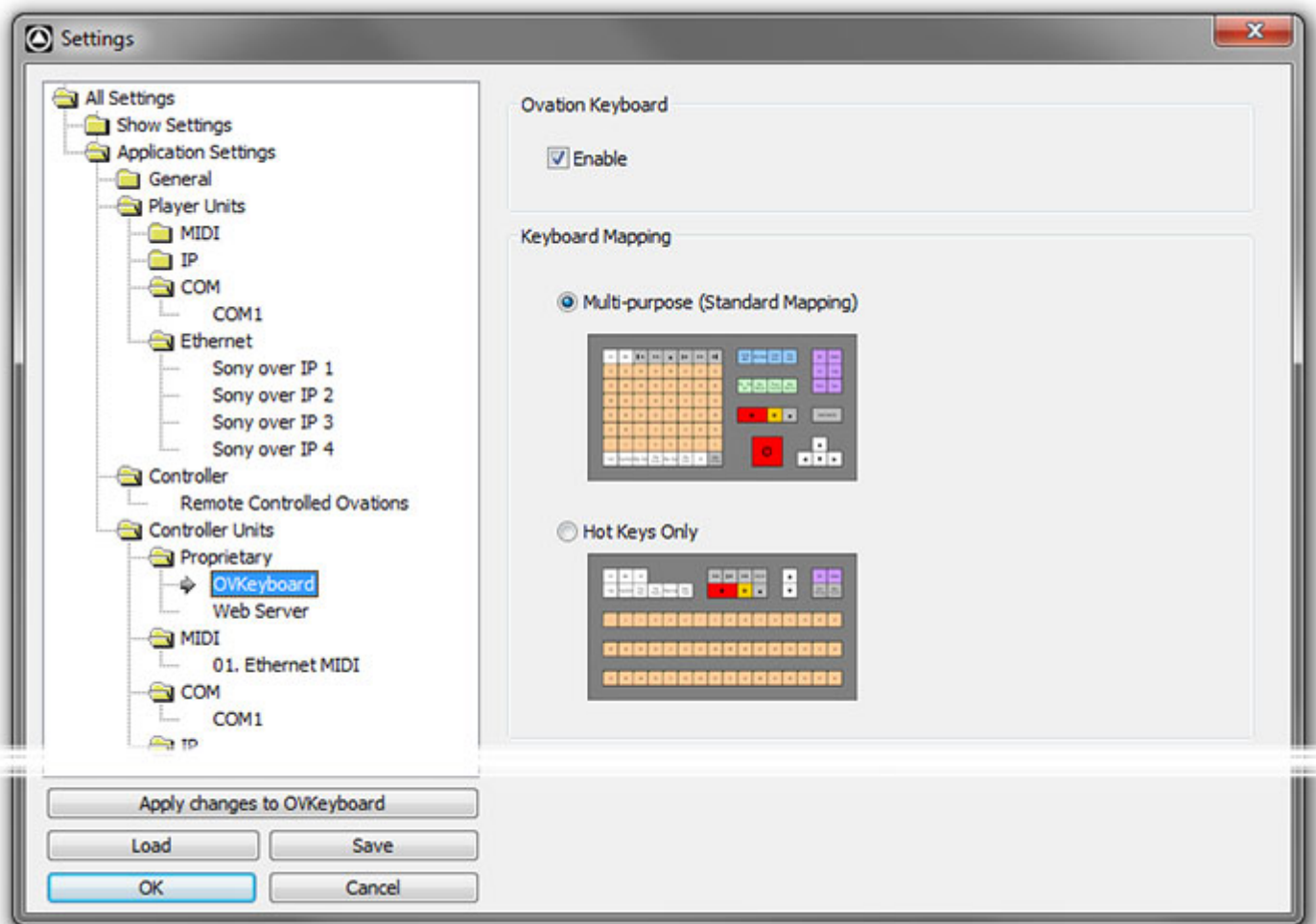
- The Proprietary Ovation Keyboard
- The Proprietary Ovation Webserver
- IP Controller
- MIDI ports - Midi Show Control (MCS), Midi TimeCode (MTC), Midi Machine Control (MMC) and General Midi (GM).
- DMX ports (Art Net protocol available in later beta)
- GPI ports
- Sony 9-pin (P2 Protocol) remote control

Note: Appendix I and following details how the various Controller Units protocols are implemented and how they map the available Ovation Media Sequencer and Media Server Commands.

When a Controller Unit is clicked to select it in the list, a related page displays appropriate options. Please see subsequent pages in this document.

Proprietary

OVKeyboard



Application Settings > OV Controller Units > Proprietary > OVKeyboard

Ovation Keyboard

Enable



When checked the **Ovation Keyboard** is active

Keyboard Mapping

Multi-purpose (Standard Mapping)

Hot Keys Only

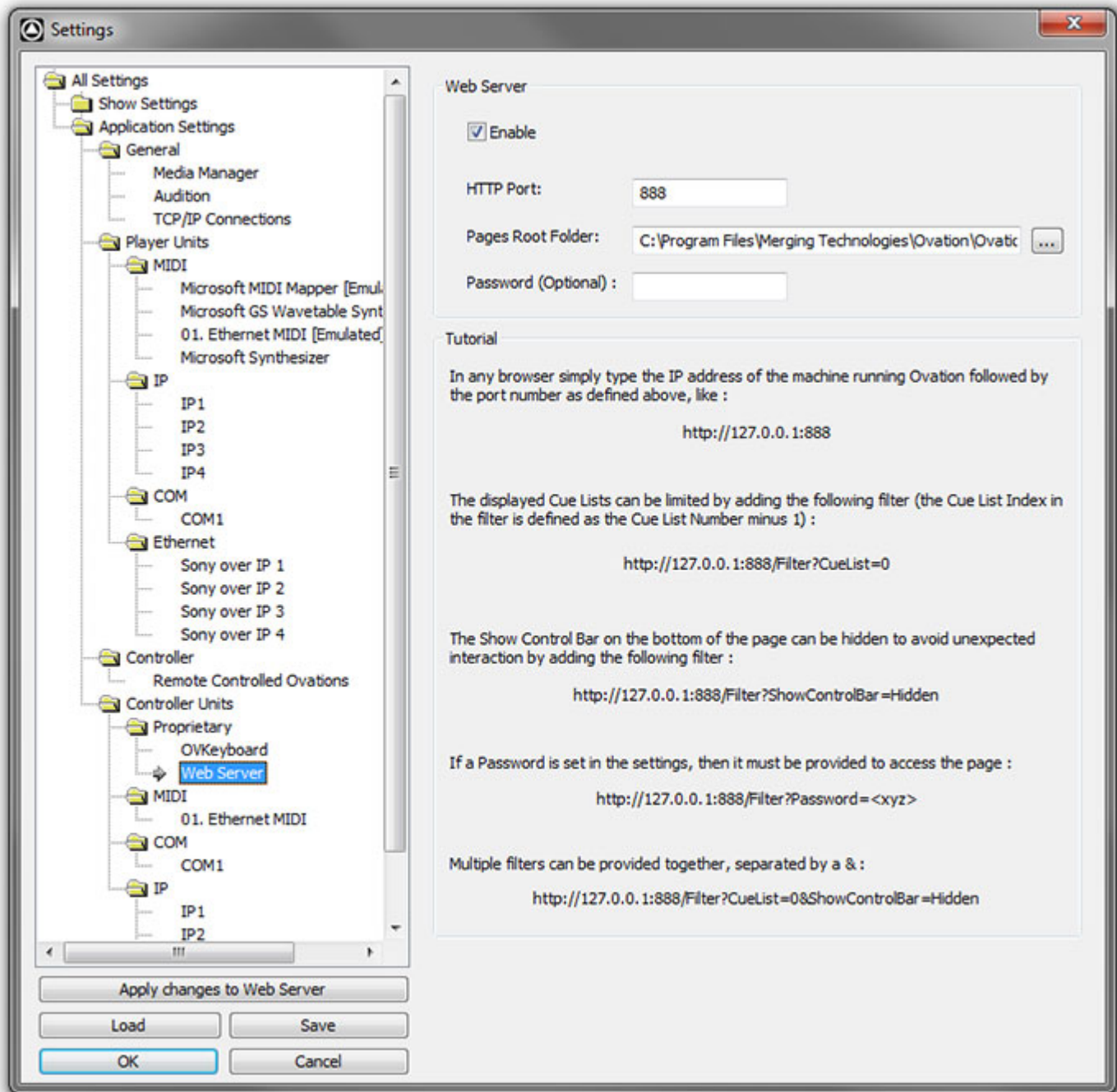
The radio buttons are mutually exclusive. Select the Mapping corresponding to your physical keyboard layout.

Note: For those people using Pyramix and Ovation at the same time and who have the **ADR** authorization key and an Ovation Keyboard then Pyramix may conflict with the Keyboard. In this case you should add a DWORD Registry Key in:

HKEY_CURRENT_USER\Software\Merging Technologies\Pyramix\ADR,
name it "**Disable ADR Keyboard**" and set it to **1**.

If you are not confident with Registry editing then please ask your Merging Sales Partner to make this change for you.

Web Server



Application Settings > OV Controller Units > Proprietary > Web Server

Web Server

Enable

When ticked, Web Server control is active.

HTTP Port:

The default value is 888. Type in the field to change this if necessary.

Pages Root Folder

The default path to the Pages Root Folder is shown in the field. Clicking on the ... button opens a browser where an alternative path can be set.

Password (optional) :

Type a Password in the field to password protect the pages.

Tutorial

In any browser simply type the IP address of the machine running Ovation followed by the port number as defined above, like :

http://128.0.0.1:888



The displayed Cue Lists can be limited by adding the following filter (the Cue List Index in the filter is defined as the Cue List number minus 1) :

<http://128.0.0.1:888/Filter?Cuelist=0>

The Show Control Bar on the bottom of the page can be hidden to avoid unexpected interaction by adding the following filter :

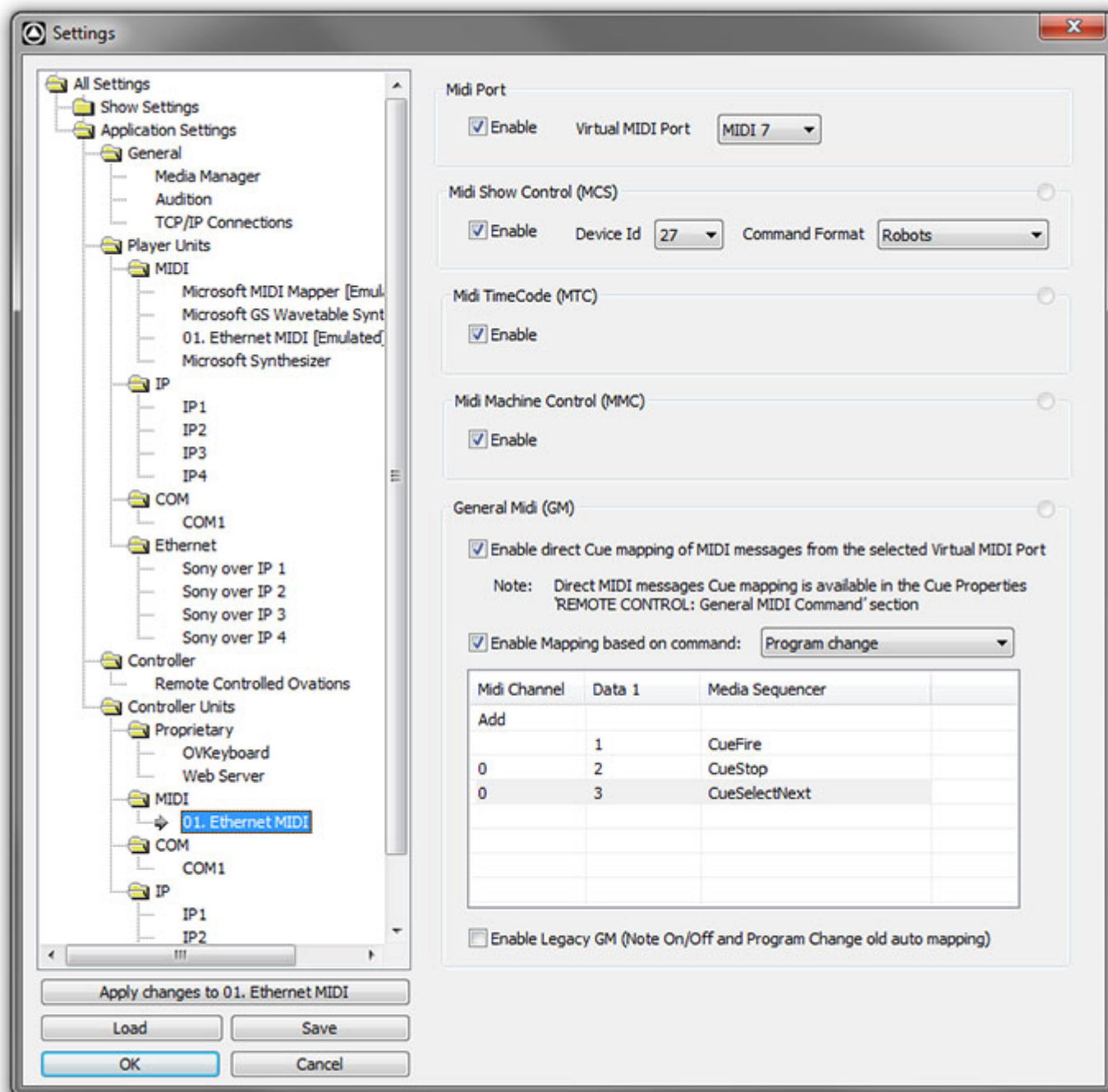
<http://128.0.0.1:888/Filter?ShowControlBar=Hidden>

Or both together, separated by an & :

<http://128.0.0.1:888/Filter?Cuelist=0&ShowControlBar=Hidden>

MIDI

E.g. Ethernet MIDI



Application Settings > Controller Units > MIDI > Ethernet MIDI

MIDI INPUTs

Note: Red flashing 'LEDs' to the right of each MIDI section indicate that MIDI data is being received.

Midi Port

Enable

Check the button to enable **MIDI remote control**

Note: The rest of the options on this page will be grayed out (unavailable) until this option is selected.



Virtual MIDI Port

The drop down list offers the choice of any of the first 16 MIDI ports available on the machine.

Midi Show Control (MSC)

Enable

Check the button to enable **MIDI Show Control (MSC)**

Device Id

The drop-down list offers the choice of **Any** or Device Ids from **0** to **7E**

Command Format

The drop-down list offers many MSC choices for filtering **Command Format** types.

Midi TimeCode (MTC)

Enable

Check the button to enable **MIDI TimeCode**

The Midi Port used is the one set in the first section above: **Midi Port**.

Midi Machine Control (MMC)

Enable

Check the button to enable **MIDI Machine Control**.

General Midi (GM)

Enable direct Cue mapping of MIDI messages from the selected Virtual MIDI Port

Check the button to enable **General MIDI (GM)** control of individual Cues.

Note: Direct MIDI messages Cue mapping is available in the Cue Properties 'REMOTE CONTROL: General MIDI Command section

Please see REMOTE CONTROL: General MIDI Command on page 106

Enable Mapping based on command:

Enables MIDI commands to be mapped to events not related to Cue events, such as **Show Start, Select Next Cue List**, etc... or contextually related Cue commands such as **Select Next Cue**, etc...

The drop-down list offers a choice of which type of Midi command is to be mapped from:

Note off

Note on

Polyphonic key pressure

Control change

Program change

Overall keypressure aftertouch

Pitch bender change

Control Change commands are General Midi commands such as **Note On**.

Clicking on **Add** in the **Midi Channel** column adds an entry to the list.

Clicking on the **0** entry in the **Midi Channel** column drops down the list of available Midi Channels (1-16)

Clicking on the entry in the **Data 1** column drops down a list with the choice of **0** to **127**.

Clicking in the **Media Sequencer** column drops down the list of mappable Ovation commands.



Delete on the PC keyboard removes a mapping entry.

Enable Legacy GM (Note On/Off and Program Change old auto mapping)

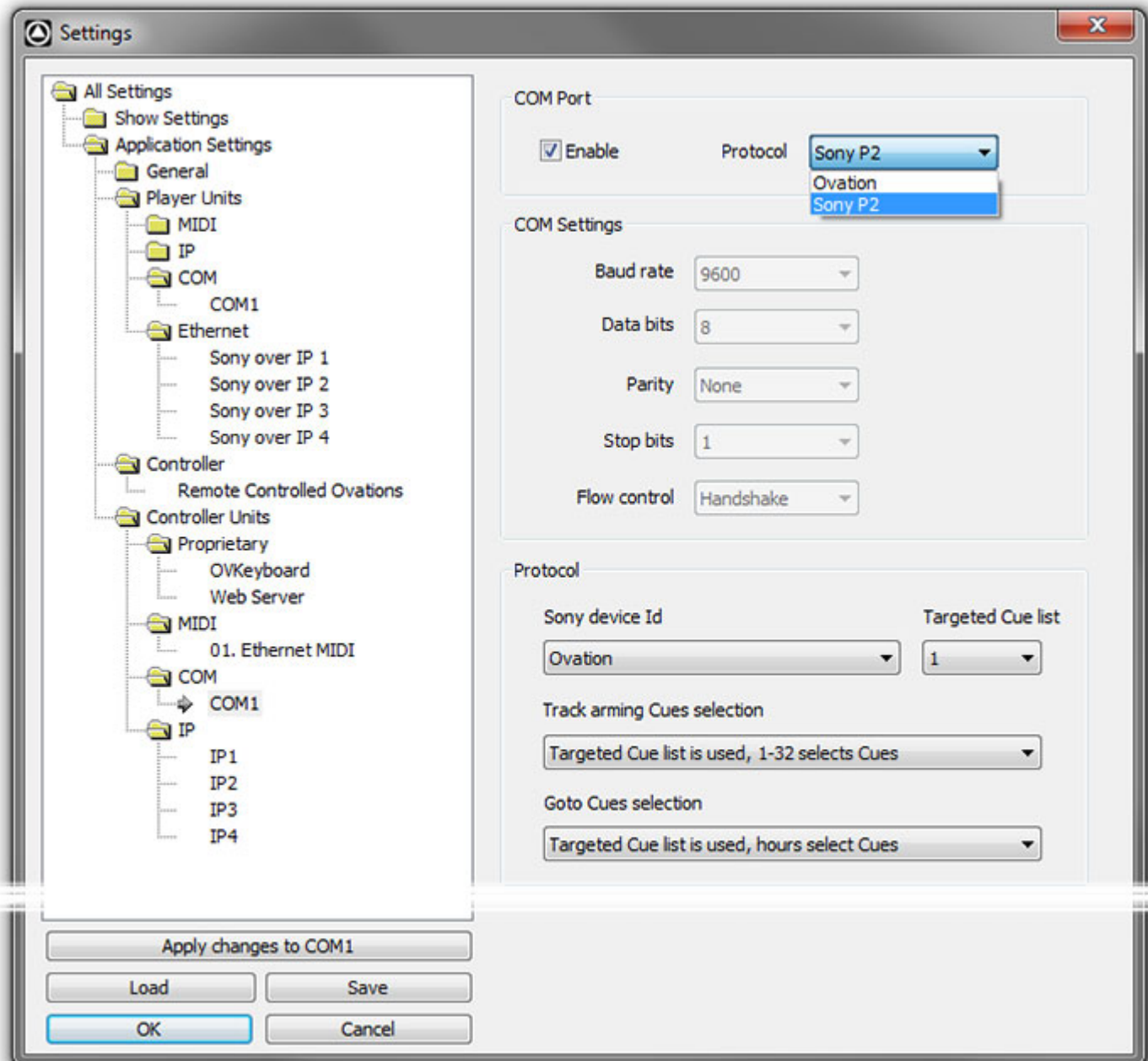
Reactivates the old 'fixed' style GM mapping.

Please see also: General Midi (GM) on page 171 for a complete list of mappable commands.

COM

Ovation Cues can be Started - Stopped or Paused from any Sony P2 Protocol controller. An Ovation station can also control another Ovation linked via a serial connection using the native Ovation protocol.

Sony P2



Application Settings > Controller Units > COM > COM1: P2 mode)

Com Port

Enable

When ticked the Com Port and associated remote controller are able to control Ovation.



Protocol

The drop-down offers the choice of **Sony P2** and **Ovation**. The settings page is modal and this setting determines what other appropriate settings are shown. Choose **Sony P2** for control by a machine using this protocol.

Com Settings

Protocol

Sony Device Id

The drop-down list offers the choice of Ovation and all P2 device emulations supported by Ovation

Targeted Cue List

The drop-down list enables any Cue List in the current Ovation Show to be selected as the target.

Track Arming Cues Selection

Note: Only Digital presets (Track Arming) from 1-32 are allowed.

The drop down list offers the following choices:

No selection

track arming has no effect.

1-8 Selects Cue lists, 9-32 selects Cues

Targeted Cue List is used, 1-32 selects Cues targeted Cue list is determined by the choice made in the **Targeted Cue List** drop-down list.

Targeted Cue List is used, hours selects Cues targeted Cue list is determined by the choice made in the **Targeted Cue List** drop-down list.

Goto Cues selection

The drop-down list offers the following choices:

No Selection

goto TimeCode has no effect

Hours selects Cue Lists, minutes select Cues

Targeted Cue list is used, hours select Cues targeted Cue list is determined by the choice made in the **Targeted Cue List** drop-down list.

Notes:

Valid Cue and Cue List Numbers

Since **00** is not allowed as either a Cue number or Cue List number the maximum number of Cues and Cue Lists that can be addressed is limited to **23** i.e. **1-23** or **59** i.e. **1-59** in Hours and Minutes respectively.

Limitations

- Goto a specific timecode inside a Cue (not implemented)
- Analog A1, A2, V and TC edit preset bit (track arming) are not used. Only Digital edit preset from 1 up to 32 are used. Above Preset 32 (not implemented)
- Rew, F.Fwd, Jog, Shuttle not possible.

Track arming Cues selection options:

- **A)** "No selection" track arming has no effect.
- **B)** "1-8 selects Cue lists, 9-32 selects Cues"
- **C)** "Targeted Cue list is used, 1-32 selects Cues" : targeted Cue list is chosen by the drop down menu.

Goto Cues selection options :

- **1)** "No selection" goto timecode has no effect
- **2)** "Hours select Cue lists, minutes select Cues"
- **3)** "Targeted Cue list is used, hours select Cues" targeted Cue list is chosen by the drop down menu.

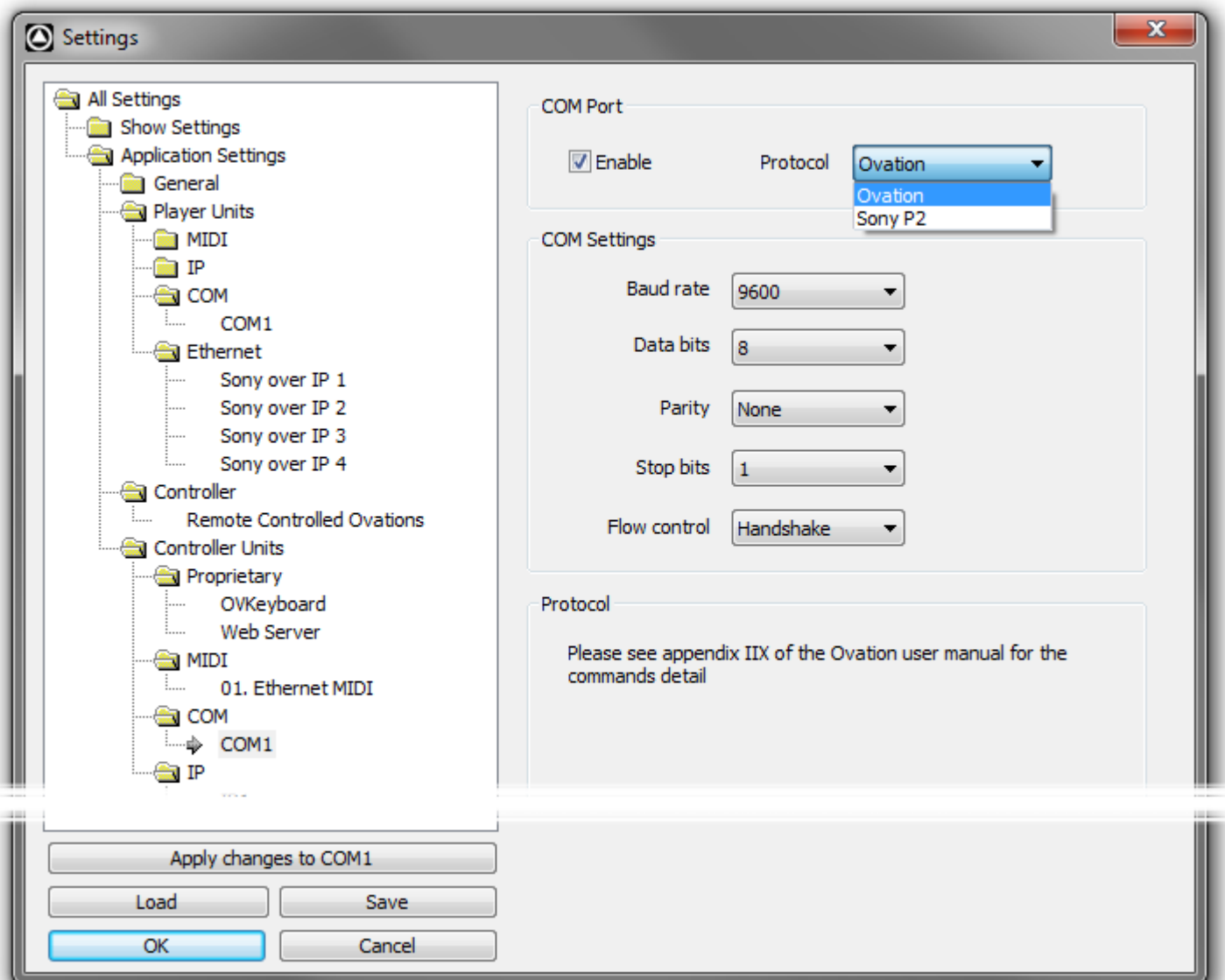
Ovation to Controller Reporting

Ovation reports the following information back to the Controller:



- The current timecode of the selected Cue.
- Full timecode for option **1** above;
- Seconds and Frames for option **2** above, Hours and Minutes indicating respectively the Cue list # and Cue #.
- Minutes, Seconds and Frames for option **3** above, Hours indicating the Cue #.
- Play, Stop, Pause (Still) tally, Cue Up (when Cue is ready).
- Track arming status (Edit preset sense) indicating the selected Cue. Inactive for option **A**.
- Default Device Id is **Ovation** which reports: Sony device ID : 0xF0B1 (NTSC), 0xF1B1 (PAL), 0xF2B1 (Film). Any other available device Id can be selected from the **Sony Device Id** drop-down list.

Ovation mode



Application Settings > Controller Units > COM > COM1: Ovation mode)

Com Port

Enable

When ticked the Com Port and associated remote controller are able to control Ovation.

Protocol

The drop-down offers the choice of **Sony P2** and **Ovation**. The settings page is modal and this setting determines what other appropriate settings are shown. Choose **Ovation** for control by another Ovation station.

COM Settings

The following parameters should be set to match the controlling Ovation.

Baud rate

Data bits

Parity

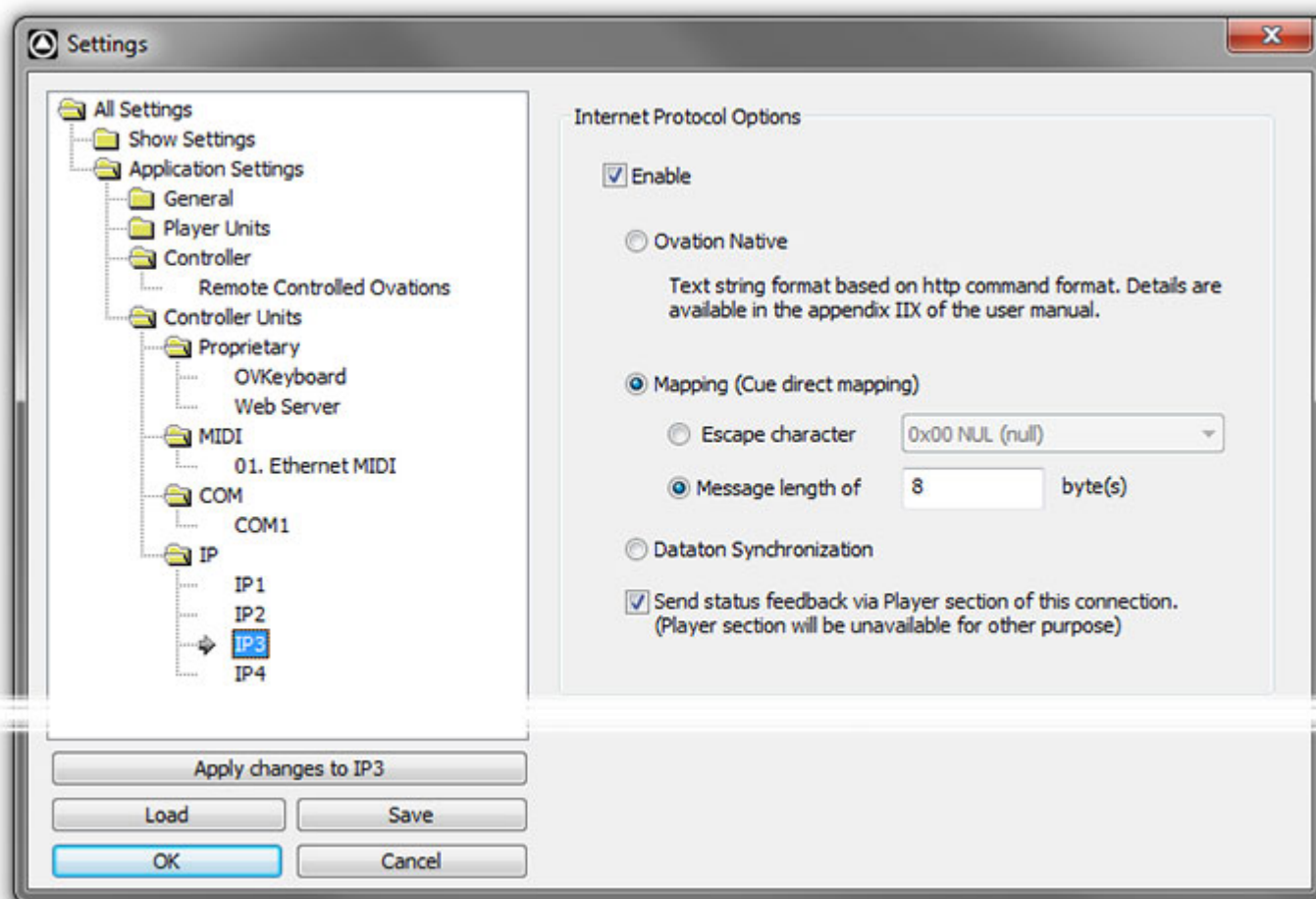
Stop bits

Flow Control

Protocol

Please see: **Appendix IIX on page 231** of this document for the commands detail.

IP



Application Settings > Controller Units > IP > IP3

Note: An **IP** entry and **IP1** etc. controllers will only be visible if they have been defined in **Settings > Application > General > IP Connection**. Please see: **TCP/IP Connections on page 156**

An **IP Controller Unit** is used to receive data.

Two data formats are accepted:

1. **Ovation Native** (http protocol format)
2. **Mapping**. Mapping data messages are defined either by
 - a. Message length
 - b. By a special end of message character (Escape character)

Internet Protocol Options



- Enable** When checked, the Controller is active and the rest of the settings on this page become available.
- Ovation Native** Mutually exclusive with **Mapping** and **Dataton Synchronization**. When checked, the native HTML format command strings as used by the Ovation Web Server are accepted. **Please see: Web Server Commands on page 231**
- Mapping (Cue direct mapping)** Mutually exclusive with **Native** and **Dataton Synchronization**.
- Escape Character** When checked an Escape character is used to define the end of a command string. Choose a suitable Escape character from the drop-down list.
- Message Length of** When checked the Message length (in bytes) is used to define the break points between command strings.
- Dataton Synchronization** Check this when using a remote Dataton player. Mutually exclusive with **Native** and **Mapping**.
- Send status feedback via Player section of this connection** (Player section will be unavailable for other purpose)

GPI

All Available GPI Units Listed

Click on each entry in the list to configure the GPI Device

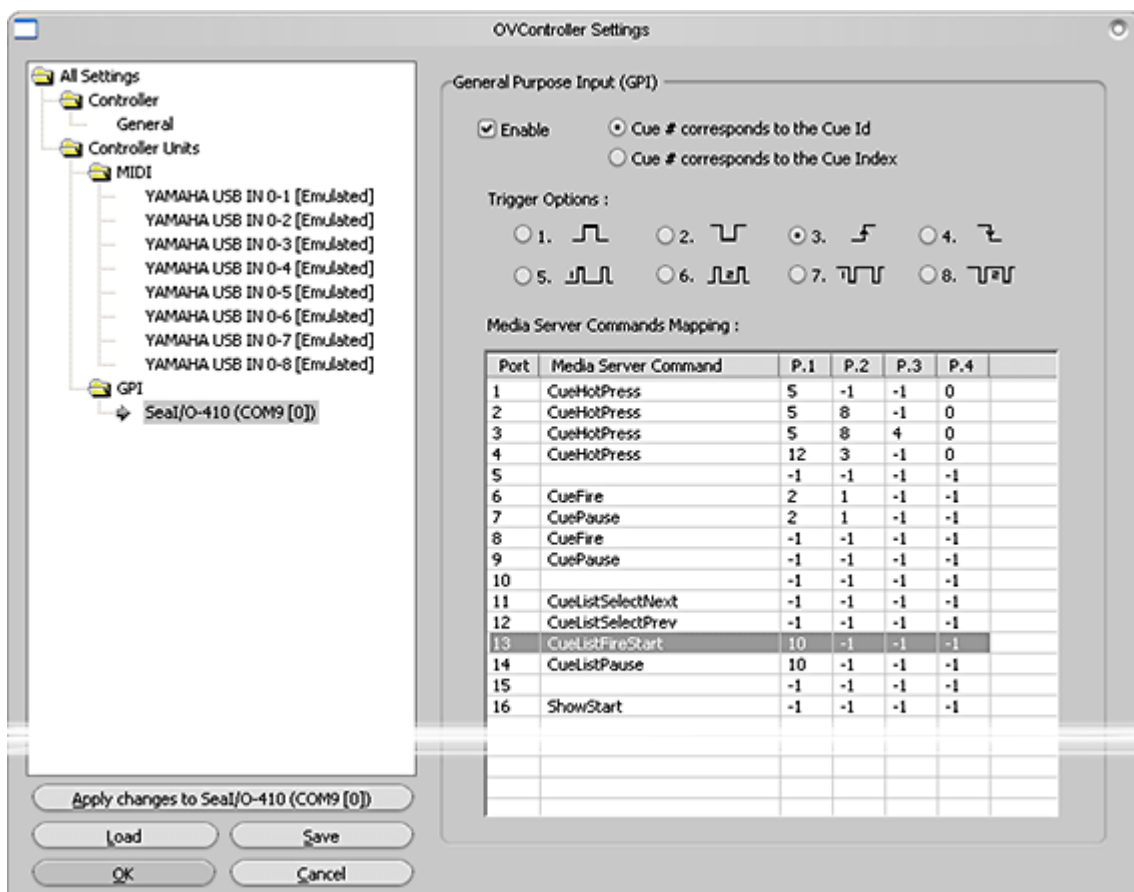
Note: For the present the only supported GPI/O interfaces are the following models manufactured by **Sealevel**:

- SeaPORT PLC-16** 8 in 8 out
- Seal/O-410U 16 in 16 out
- Seal/O-420U* 16 in 8 out
- Seal/O-430U* 32 in 0 out
- Seal/O-440U* 0 in 32 out
- Seal/O-450U* 0 in 16 out
- SeaDAC P/N 8221* 16 in 16 out
- SeaDAC P/N 8222 16 in 8 out
- SeaDAC P/N 8223* 32 in 0 out
- SeaDAC P/N 8224* 0 in 32 out
- SeaDAC P/N 8225* 0 in 16 out

*Obtainable on special order.

**No longer available.

Note: A maximum of 32 units may be connected.



OV Controller Settings > Controller Units > GPI > Seal/O-410 (COM9 [0])

General Purpose Input (GPI)

Enable

Check the button to enable **General Purpose Input (GPI)** control.

Cue # corresponds to the Cue ID

When the button is checked the Cue is identified with up to 3 nested levels using Cue#, Child#1, Child#2 and Child#3. This is the greyed number present in the Cue property page or the Number next to the Cue name in a Cue button. The number represents the separation between the Cue# of Child#1 etc.

This mode is useful when a Cue needs to be added anywhere in the Cue List using the nesting mechanism without changing the # of the Cue below the inserted Cue.

Cue # corresponds to the Cue Index

The Cue # is the Cue index in its Cue List. This is the greyed number present in the **Cue Properties** page or the Number next to the Cue name in a Cue button **IF** any of the Cues are nested. Useful when the nested mechanism is not useful for the mapping.

Example :

Cue Number	Cue Id	Sub1 Cue Id	Sub2 Cue Id	Cue Index
1	1	0	0	1
2	2	0	0	2
3	3	0	0	3
3.1	3	1	0	4
3.2	3	2	0	5
4	4	0	0	6
4.1	4	1	0	7
4.1.1	4	1	1	8
4.2	4	2	0	9
4.2.1	4	2	1	10
4.2.2	4	2	2	11
5	5	0	0	12

Trigger Options

The 8 radio buttons set the trigger parameters:



1 Trigger when **High** level signal is detected



2 Trigger when **Low** level signal is detected



3 Trigger when **Rising** level is detected



4 Trigger when **Falling** level is detected



5 Trigger when the first **High** level pulse is detected



6 Trigger when the second **High** level pulse is detected



7 Trigger when the first **Low** level pulse is detected



8 Trigger when the second **Low** level pulse is detected

Note: 3-4, 5-6 and 7-8 will often be used in pairs:

Example 1: You wish to Fire a Cue when a button is pressed and released and to Stop the Cue when the button is pressed and released for the second time. In this case use 5-6 or 7-8.

Example 2: You wish to Fire a Cue when a button is pressed and Stop the Cue when the button is released. In this case use 3-4.

Note: **High/Low** and **Rising/Falling** inputs trigger the mapped command in the same circumstances. The only difference is that **Rising** is executed **before High** and **Falling** is executed **before Low**. This can be useful if two commands need to be executed consecutively.

Media Server Commands Mapping

In the commands Table the **P** columns correspond to **Parameters**. For the majority of Media Server commands. P.1 = Cue List #, P.2 = Cue #, P.3 Cue Child1 #, P.4 = Cue Child2 #. **Please see also Appendix V on page 226** and especially the notes.



Ovation Webserver

Overview

Ovation delivers an amazing amount of control over any system. However, until now, accessing that control has been, like most other sequencer and control software, limited to proprietary interfaces on local machines.

Now, with the WebServer option for Ovation, the entire picture has changed. Through standard HTTP interfaces on any web enabled platform (desktops, laptops, Smart Phones, iPad etc) it is now possible to have complete control over your Ovation show from multiple locations.

Use Merging's own interface design, or, if you know basic web page design, you can do it yourself and create bespoke custom interfaces. Whatever your choice, and whatever the project, using WebServer for your next Ovation show or installation will unlock unprecedented control possibilities.

Applications

- Multiple zone access for non-technical users (Museum exhibits with multiple rooms etc.)
- Stage side access for firing manual Cues and sequences
- Multiple control stations, for example, for game shows. The gallery, the sound supervisor and presenter can all have appropriate controls for their needs.
- Show information and timing views for Conductors in "the Pit"
- Bespoke, branded interfaces for hotel lobbies and bar installs
- And many, many more.....

Using Ovation Webserver

Activating

To enable the Ovation WebServer go to **Settings > Application > Controller Units > Proprietary > Web Server** and check the **Enable** button.

If necessary, the HTTP Port number can be changed in this page. The default Port is 888.

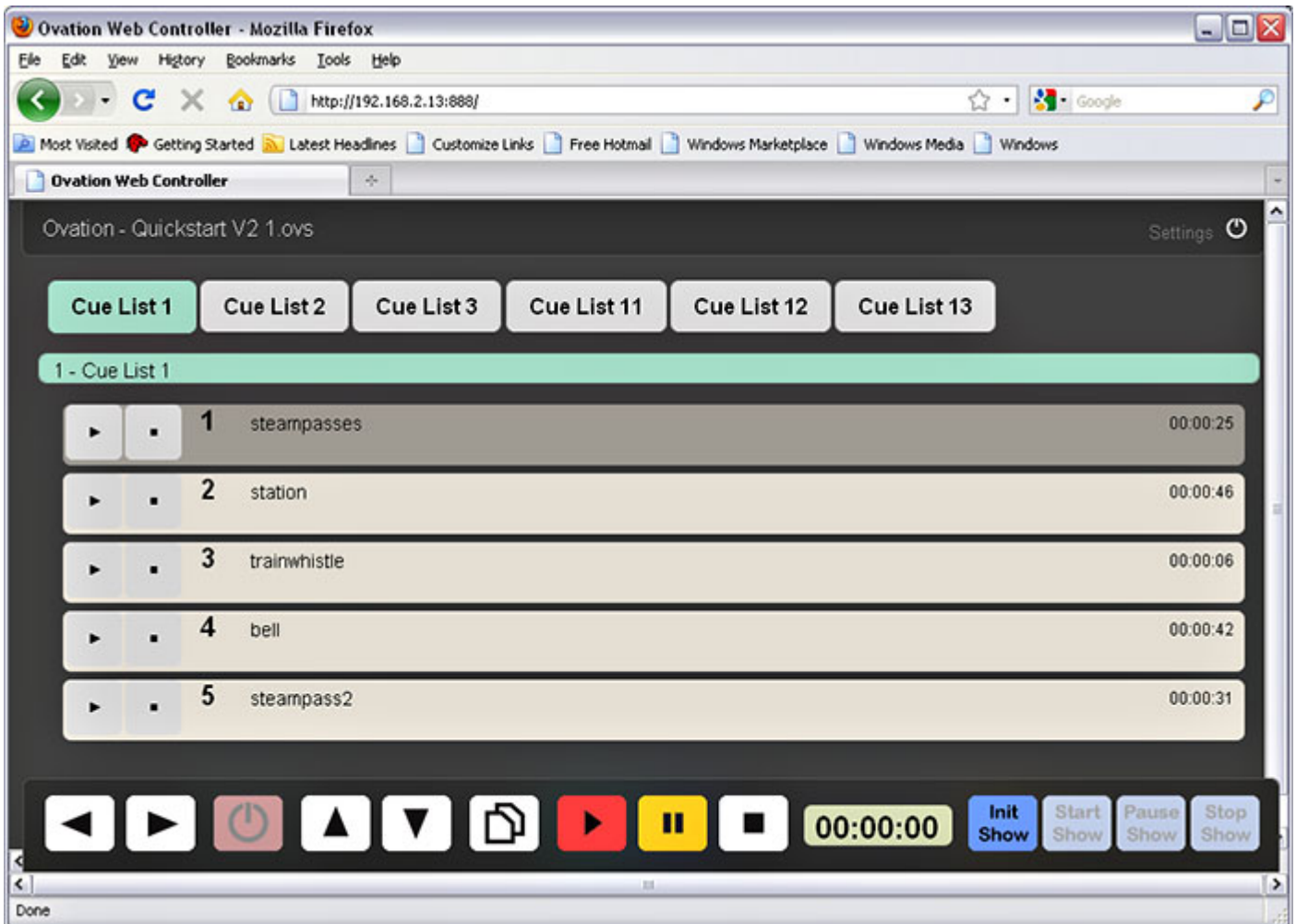
The Pages Root Folder can be changed to provide custom pages different to those provided by Merging as standard. The default implements an interface similar to the Ovation User Interface.

Note: The files **OvationShow.html** and **js/OvationProcess.js** are the property of Merging Technologies, but can be used freely as a reference to aid in the creation of custom pages.

Quickstart

In any browser simply type the IP address of the machine running Ovation followed by the port number, for example :

<http://192.168.2.13:888>



The Cue Lists displayed can be limited by adding the following filter (the Cue List Index in the filter is defined as the Cue List number minus 1) :

<http://192.168.2.13:888/Filter?Cuelist=0>

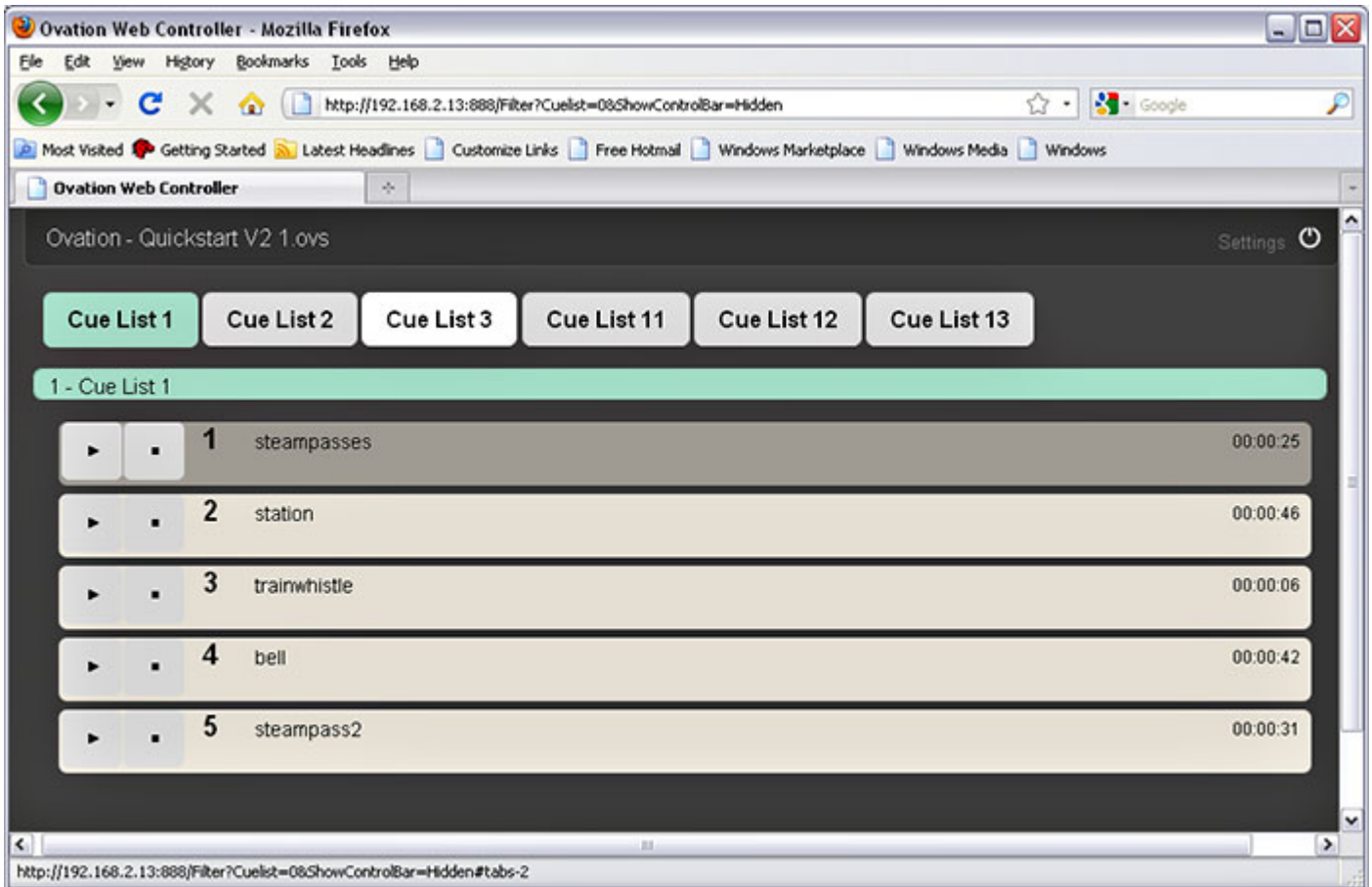
The Show Control Bar on the bottom of the page can be hidden to avoid unexpected interaction by adding the following filter :

<http://192.168.2.13:888/Filter?ShowControlBar=Hidden>

Or both together, separated by an & :

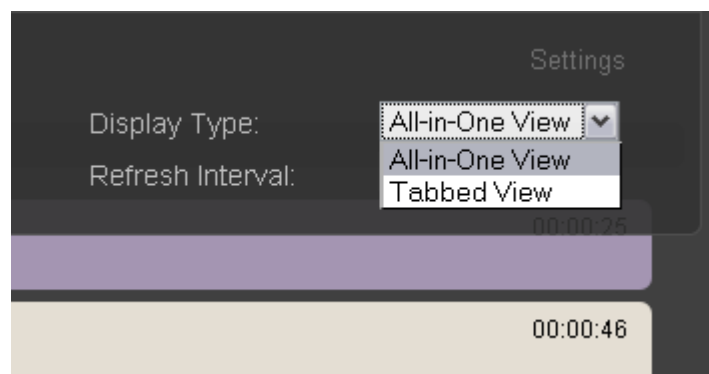
<http://192.168.2.13:888/Filter?Cuelist=0&ShowControlBar=Hidden>

Which looks like this :

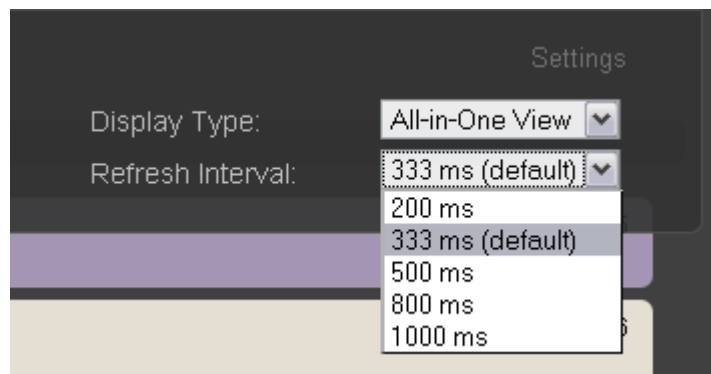


Settings

Clicking on the Ovation logo on the top right-hand corner of the page displays a menu with a choice of viewing style, Tabbed or All-In-One-View and the page Refresh Interval :



In **All-in-One View** Cue Lists are shown one after another down the page. In **Tabbed View** a single Cue List is shown with the rest available on tabs at the top of the page.



If the network is slow or artefacts are noticed the refresh rate can be reduced to advantage.

HTTP Control

HTTP Commands can be sent directly to the Ovation WebServer by any client application (or simply by typing commands in a web browser URL field).

These commands are described in the Ovation Controller Commands documents which can be found here:
Appendix IIX on page 231 Web Server Commands.

Typically, commands such as these will be sent:

- 192.168.1.33:888/Action?Command=Show_Init
- 192.168.1.33:888/Action?Command=Show_Start
- 192.168.1.33:888/Action?Command=Cue_Fire&CueList=0&Cue=4.-2
- 192.168.1.33:888/Action?Command=CueList_Select&CueList=0
- 192.168.1.33:888/Action?Command=Cue_Select&CueList=-1&Cue=1.-2
- 192.168.1.33:888/Action?Command=Cue_Fire&CueList=-1&Cue=-1
- 192.168.1.33:888/Action?Command=Cue_Pause&CueList=-1&Cue=-1
- 192.168.1.33:888/Action?Command=Cue_Fire
- 192.168.1.33:888/Action?Command=Cue_Stop
- 192.168.1.33:888/Request?Show
- 192.168.1.33:888/Request?Cues_Status

Connection Feedback

If the client network connection is lost (wifi) or if for whatever reason the Ovation server goes offline, the Time-Code counter background turns red. The Web UI reconnects automatically when the connection is restored.



Tips and Tricks

Rules

It is important to appreciate the differences between specifying **Ending** and **Stopping**.

Ending is when a Cue finishes playing normally.

Stopping is when a Cue is terminated prematurely either manually or by a rule.

It is equally important to appreciate the difference between **When** and **After**. This setting affects the point at which the rule is applied. If **When** is selected then the rule is applied at the point the fade out or the fade in begins. If **After** is selected then the rule's action is applied after the Cue Starts or after the Cue Ends or Stops with a delay set in the **ms** box.

Note: A rule's action always occurs at either the start of a Cue or at the beginning of the Fade Out unless a delay is applied using **After**.

If **When** is chosen this is an easy method of producing cross-fades.

If a crossfade is **NOT** required then you can use the **Offset** parameter to compensate.

Fade Modifier

Pressing the **Shift** key invokes the User defined fade duration. (**Fade Modifier** key on the dedicated keyboard or the **Shift** key of the standard keyboard.)

<Default>

Where **<default>** is an option in Ovation the hierarchy works like this:

Cue settings override **Cue List** settings override **Show** settings.

Player

If no specific network **OVPlayer** is assigned in **Cue Properties** i.e. the field is set to blank or **<default>** then Ovation looks at the assignment in the **Cue List Properties Default Output Player** field. If this is also set to blank or **<Default>** then Ovation looks at the **Default Output Player** field in **Show Properties**. If this too is set to blank or **<Default>** then the local Ovation player is used.

Stop Fade Out

Similarly if **Stop Fade Out** is set to **<Default>** in **Cue Properties** then Ovation looks at the setting in the **Cue List Properties Default Stop Fade Out** field. If this is also set to **<Default>** then Ovation looks at the **Default Stop Fade Out** field in **Show Properties**. If this too is set to **<Default>** then the value in the **Fade Out** field in **Cue Properties** is used.

Drag & Drop

Media Files can be "Dragged & Dropped" into Cue Lists from outside Ovation. E.g. Explorer browser or iTunes. A new Cue is created automatically when Media Files are added in this way unless the **Alt** key is held down while Drag & Dropping onto an existing Cue, in which case, for Audio only Cues, the underlying Media File is replaced.

Cues can be dragged and dropped between Cue Lists using the **Shift** modifier. If the **Alt** modifier is used the underlying audio Media File is replaced with the source. Simple drag and drop is used to reorder Cue Lists.



Changing Properties for Multiple Cues

When multiple Cues are selected, parameters changed in **Cue Properties** are updated for all selected Cues. The only exception being **Cue Number**. This applies even when the Cues are selected in several different lists.

(Selecting Multiple Cues follows the Windows browser conventions. I.e. With one Cue selected, **Shift + Click** selects a contiguous range of Cues to the second Cue clicked and **Ctrl+Click** toggles Cues selected/unselected.)

Starting a Show With Sysex

In Ovation 2.x, MIDI SysEx inputs are not mappable to a specific Ovation command. The only MIDI inputs mappable are : General Midi (GM) - Control Change commands (2-3 byte length message). I.e. hexa = B0 00 00 or B1 10 00 or ...

However, if the controlling device is capable of sending any SysEx message, the two Midi Show Control specific SysEx messages below can be used.

Show Init:

Hexa = F0 7F <Device id> 02 <Sound (General) = 10> 07 01 F7 Show Start:

Hexa = F0 7F <Device id> 02 <Sound (General) = 10> 07 02 F7

<Device id> : specified in Settings > Controller Units > MIDI > Midi port (Midi Show Control section).

<Sound (General)> : as well.

For details of Midi Show Control macro commands available in Ovation Please see MIDI and Midi Show Control on page 217 onwards.



System Requirements For Ovation

Computer

- Pentium 4, Pentium D or Core 2 Duo
- "1024 MB RAM (2048 MB or more recommended for large projects)
- "IDE, SATA System Hard Disk
- "AGP/PCIe graphic card with resolution of 1280x1024 or better (ideally Dual-Head for twin screen operations)
- "SATA/RAID HD for Audio Storage
- "SVGA 17" monitor (19" or better recommended)
- "3 button mouse
- "USB or Firewire/IEEE1394a (better) for ASIO Audio

Note: Please note that Ovation requires a 32 bit Windows 7 or Windows XP Pro workstation with a minimum display resolution of 1280x1024 256 colors (in small fonts mode). (64 bit Windows 7 is also certified for Native Ovation systems ONLY).

Hard Disk Space Requirements

A complete software installation will require around 100MB of disk space for the **Ovation** software itself and approximately 10MB of disk space for **Virtual Transport**.

In addition, you will need hard disk storage for media files. For audio media as a rule of thumb, one Gigabyte of disk storage equals:

- 185 track minutes at 44.1 kHz 16 bits
- 125 track minutes at 44.1 kHz 24 bits
- 170 track minutes at 48 kHz 16 bits
- 115 track minutes at 48 kHz 24 bits
- 55 track minutes at 96 kHz 24 bits

For multi-track applications, divide total available mono track time by the number of tracks you will be using.

Please note that these are very rough estimates, and should be used only as a general indication of storage requirements.

Operating System

For systems including Mykerinos cards and or MassCore 32 bit Windows 7 or 32 bit Windows XP Pro, installed with Administrator privileges (never attempt to install Ovation on NT Server). For Ovation Native systems ONLY 64 bit Windows 7 is also certified.

Power Management

N.B. As with all real-time applications, we recommend setting the **PC** to an **Always On** Power management scheme. (**Start > Control Panel** double-click **Power Options**. Choose **Always On** from the **Power Schemes** combo box.) This allows the monitor to be turned off by the system but disables hard-disk turn off and Standby.

Note: The Mykerinos card is not designed to support Standby modes.

Other Applications

Like all real-time applications, Ovation works best when there are no other unnecessary applications or services running.



Installing Hardware

Mykerinos Board Installation

The Merging Technologies Mykerinos board can be installed in any free PCI slot in your PC. In general, it is best **NOT** to install the board in the PCI slot adjacent to an AGP graphics adapter; and in a PCI slot which may be physically shared with an ISA slot.

Please consult the:

www.merging.com

website for current compatibility information.

Make absolutely certain the PC power is **OFF** before installing the board!

With most of the current generation motherboards this means either the mains switch on the power supply or the power outlet switch. Where no switch is provided, either on the PC or the supply socket, then the PC should be unplugged.

Always observe proper static precautions when handling any PC boards! Use a static strap, and/or be sure to firmly ground yourself to the computer power supply, chassis or if the PC is unplugged, to a known good earth before handling and installing the **Mykerinos** board.

Some PCs have batteries, cables, jumpers, etc. which could prevent proper board seating in one or more slots. Make certain the board is firmly and fully seated before switching on.

Multi-board installation

Multiple boards must be installed in adjacent slots. To enable multi-board operation, all Mykerinos cards in the PC have to be connected together using a special HDTDM ribbon cable. This cable has to be plugged into the multi-pin connectors located on the top edge of the I/O daughter cards. Please contact your Merging Technologies dealer for information on how to order this HDTDM ribbon cable.

HDTDM/XDTDM

The HDTDM board linking cable has the following functions in a multiple Mykerinos board installation:

a) synchronization (to 1/512th of an audio sample accuracy) This enables Pyramix to "see" a single system comprised of a large pool of DSP power and I/O resources spread over separate cards.

b) transfers all audio signals (Live Inputs, Internal Send/Return Busses, Mix busses, Aux busses, Live Outputs, etc. between all the Mykerinos I/O daughter-cards which comprise the multi-board system.

Mykerinos Board I/O

Audio I/O Options

Mykerinos is a modular board which can have any one of several optional audio I/O daughter cards attached. When ordering Ovation from Merging Technologies or one of its distributors, be sure to specify the daughter card appropriate to your specific needs.

On-board Analog Audio I/O

Regardless of which I/O daughter card is chosen, you can simultaneously use the 3.5mm stereo mini-phone jack on the Mykerinos board as an unbalanced, analog stereo audio monitor output for all projects up to 384 kHz, with levels programmable from within the software. Sources at sample rates higher than 96 kHz are automatically Sample Rate Converted to 96 kHz, 24 bit. This stereo mini-jack connection may be connected to headphones or to a line level audio monitor input.

External Audio D/A-A/D Converter Boxes

Most of the I/O options for the Mykerinos board are digital. Pyramix will often be used with external audio D/A (for playback) and A/D (for recording) converters. Many such converters are available from Merging Technologies as options: for example, the **Merging Technologies Dua II** and **Sphynx 2**. Contact your local Merging Technologies Sales representative for more information.



Capabilities of third party A/D - D/A converter boxes are widely variable. Please check with the manufacturer to ascertain which sample rates, word lengths and number of I/O channels are supported. You will need this information later to appropriately configure the software.

Time Code and Video Sync Option

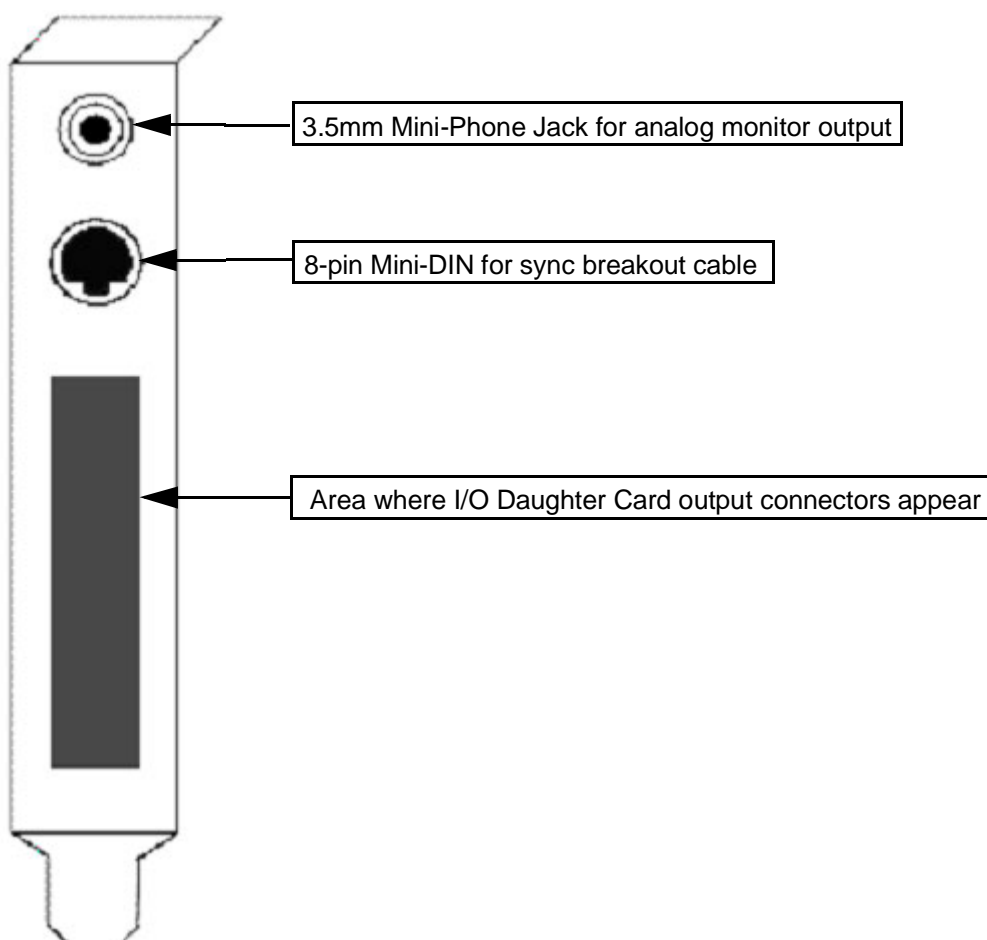
The **Synchronization** option provides SMPTE / EBU LTC and VITC time code in/out, video sync in/out and word clock sync. A multi-pin circular mini-DIN connector, on the back plate of the Mykerinos board carries all the system synchronization, time code and video sync signals. An optional break-out cable is provided for connections to time code, sync and video I/O. The Synchronization option allows Ovation to be configured as a master or slave lock to external time code, video or word clock. It also enables **VITC** and/or a visible time code burn-in window (**BITC**) to be added to video output/throughput.

Cabling Ovation in your System Environment

Please read this in conjunction with the guide or guides for your specific interface daughter-cards and external interfaces/converters.

Due to the number of possible I/O options and the variety of user environments it is impossible to cover all the variations of cable connections to and from an Ovation workstation. However, here are some general rules and examples:

Mykerinos Back-plate



Mykerinos Backplate

Audio Connections

Many users will have A/D Converters for feeding analog audio sources into Pyramix, and D/A Converters for playing analog audio out of Pyramix. In this case, connect your analog audio sources to the A/D Converter analog audio inputs, and the A/D digital audio output(s) to the Mykerinos digital audio input(s). Similarly, connect the



Mykerinos digital audio output(s) to your D/A Converter digital audio input(s), and the D/A Converter analog audio outputs to your studio monitors or recorders. It may be also be useful to connect the stereo mini-phone output on the Mykerinos card to either stereo headphones or a stereo monitor console input. The source for this jack can be configured inside the Pyramix software.

Digital Audio Synchronization and TimeCode

THERE MUST BE ONLY ONE SOURCE OF SYNC FOR AUDIO AND TIMECODE

Digital audio relies on extremely accurate timing. In any digital audio system there can only be one source of sync at one time. This is particularly important when planning multi-machine systems. If TimeCode is not locked to the same sync source as the digital audio then either the audio will work properly, or the Time-Code. But **NOT BOTH AT THE SAME TIME**.

Ideally, in any system with more than one device, there will also be an independent source of sync. E.g. a word-clock generator with multiple outputs. Each device is fed by a single output and configured to use this source as its sync reference.

Sync, Video and Time Code Connections

In any digital audio system, it is **VERY IMPORTANT** all interconnected units are locked to the same sync reference. A digital audio signal itself can sometimes be used as the master sync source, but a high stability video or word-clock signal is usually preferable.

The Mykerinos board can be configured inside the Ovation software to act as either a sync master, or to slave to a variety of incoming signals.

Decide which device in your system will provide the master sync reference, then ensure that all other digital audio devices in your system take their synchronization from it. This will require routing appropriate cables --whether digital audio, video or wordclock cables-- to the various other devices and may also involve a separate sync reference generator and or distribution amplifiers.

If Pyramix is configured as the master (Internal sync), other digital audio devices will probably be able to lock to the digital audio output from Ovation. However, Ovation can also be configured to output a wordclock signal at the Video output BNC connector (Synchronization option required).

If Ovation is configured as a slave to an external device, Various synchronization signals can be accepted.

- To lock to incoming digital audio, connect an appropriate digital audio signal to an Ovation digital audio input.
- To lock to incoming video, connect an appropriate video signal to the Video Reference input (Synchronization option required).
- To lock to incoming wordclock, connect an appropriate master wordclock signal to the Video 2 Input (Synchronization option required).
- To set the termination jumpers provided on the Mykerinos board, please see the Mykerinos User Guide.
- Ovation can either output or lock to incoming SMPTE / EBU TimeCode.
- If a master **LTC** Time Code output from Ovation is required, cable the **LTC** time code out RCA jack or XLR to any other devices slaving to this output (Synchronization option required). Ovation always generates time code when playing.
- To lock Ovation to an incoming **LTC** time code signal, cable the **LTC** TimeCode output from the TimeCode source to the **LTC** input RCA jack or XLR (Synchronization option required).
- Ovation can accept and generate **VITC** in standard PAL/NTSC formats. It can also provide **BITC** (Burnt In TimeCode) on its video outputs.

MIDI Connections

To use Ovation MIDI functionality with external equipment, you will require a MIDI interface. Many current motherboards include an on-board MIDI interface. If yours does not, it is a simple matter to add one. This can be either an internal PCI card or an external unit connected via a USB port or an RS232 serial COM port.



Installing Ovation Software

Installation Overview:

Note: Note: If you have purchased hardware options such as Mykerinos cards or the Sync Board, please install these first following the instructions in the accompanying documentation.

The Ovation software uses an automated installer wizard which will install all necessary prerequisites. We use a unified installer package containing the current versions of Pyramix, VCube and Ovation. The initial installer screen offers the choice of Pyramix, VCube and Ovation. Choosing Ovation will also install Pyramix.

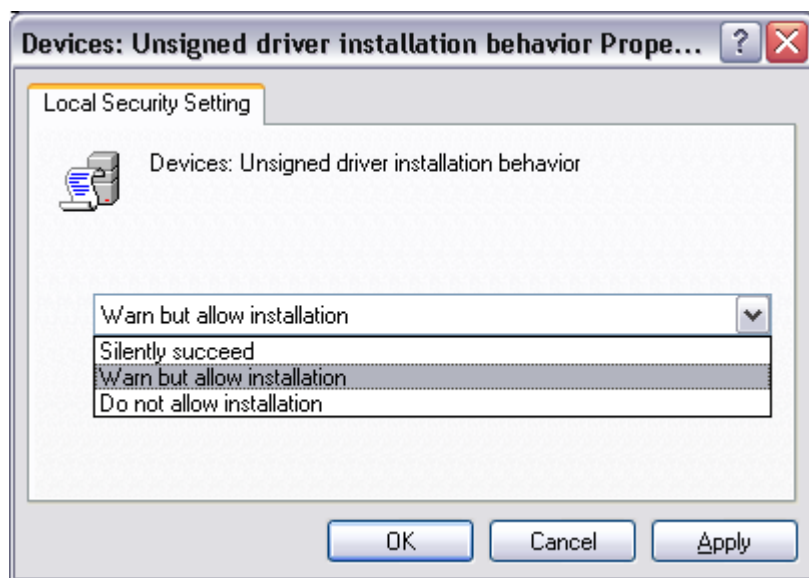
You may exclude the installation of any of the individual components in the wizard, if the device in question is not present on your machine or if you do not intend to use an item, by un-ticking the tick boxes next to the items listed in the wizard.

Note: The security dongle (or Mykerinos card) must be in place and the security keys entered before attempting to launch Ovation

Driver Signing

Important! Before attempting to install the Ovation software please check the following setting:

Start > Administrative Tools > Local Security Policy the **Local Security Settings** dialog will open. Find **Devices: unsigned driver behavior** in the list and either double-click the entry or right-click and select **Properties** from the context menu to open the **Devices: unsigned driver behavior Properties** dialog:



Devices: Unsigned driver installation behavior Properties dialog

Select the **Warn but allow installation** option from the drop-down list and click on **OK** to close the dialog.

Running the Installer

Note: Note: You must have full Administrator Access to install Ovation.



1. Insert the Merging Technologies USB memory stick or installation CD/DVD, as applicable, into a suitable socket or drive.
2. Unless you have disabled the function the installer will run automatically.
3. If necessary locate and run the installer manually.
4. Choose Ovation when prompted
5. At the next screen, de-select any items you do not require.
6. Override any warnings about uncertified drivers during the installation process.
7. Plug in the security USB dongle.
8. Enter the optional keys in MT Security Settings, if necessary.
9. Restart the PC.
10. If you have purchased the Platinum version run the installer again and choose VCube.
11. Before attempting to launch Ovation, please read *First launch* on page 192

Note: If the installation appears to freeze for a long period please check that the Driver Signing warning dialog is not hidden behind another Window. Installation will not continue until you click OK in this dialog.

WARNING: Certain computers do not properly shut down despite the reboot command issued by the installer but only perform a log off.

In this case, please activate a full shut down manually.

Enabling Ovation with your Software Key

The **Ovation** software and its various software options are protected by an authorization key mechanism which uses a unique registration key number generated by Merging Technologies. Based on purchased software components, this key is unique to your Sentinel or HASP USB dongle serial number or Mykerinos board serial number, your Company Name and your User Name. Once you have registered your software you will be provided with this Key or Keys (depending on the options chosen).

When you receive your Ovation Package you should also receive either an email from your Merging technologies Sales Partner or a printed copy of the email containing your security setting details. If you did not receive this key, have lost it or would like to change the user and/or company name, please contact your Merging Sales Partner with your Mykerinos serial #, your User Name, your Company Name and the list of purchased software components. Usually, a key can be issued within one business day, after the verification of your personal data has been completed.

Entering your Key(s)

After the installation process you will be prompted to enter your **Authorization Key**. If you click **Yes** the **MT Security Settings** dialog will be launched automatically, allowing the Key or Keys to be entered immediately. If you choose not to enter your Key at this point you can do so later by choosing one of the following procedures:

1. Double-click the file **YourPersonalKeyXXXXX.mtk**. This is attached to the email containing your Key(s).
2. Open the **MT Security Settings Control Panel**
(Windows Task Bar **Start** > **Control Panel** > **MT Security Settings**),
click the **Import Key** button and browse for your Key file called

YourPersonalKeyXXXXX.mtk

3. Open the **MT Security Settings Control Panel** (as above), in the **Registration** section select the board number corresponding to the serial number for your Keys or HASP Key for a dongle, click the **Enter Key** button and type your **User Name**, **Company Name** and **Key** then click **OK**. Repeat this step for each Keys listed in the email.

Changing or re-entering a Key

Should you need to subsequently change or re-enter a **Key**, follow the appropriate option above.



The key system is "smart". Only one key or set of keys is required regardless of the number of boards in a system. Any card can hold this key set as the authorization is processed based on a "Logical OR" of all keys present on any and all Mykerinos boards. Of course this Logical OR will only process keys with identical User Name and Company Name to the one entered in the key enabling window.

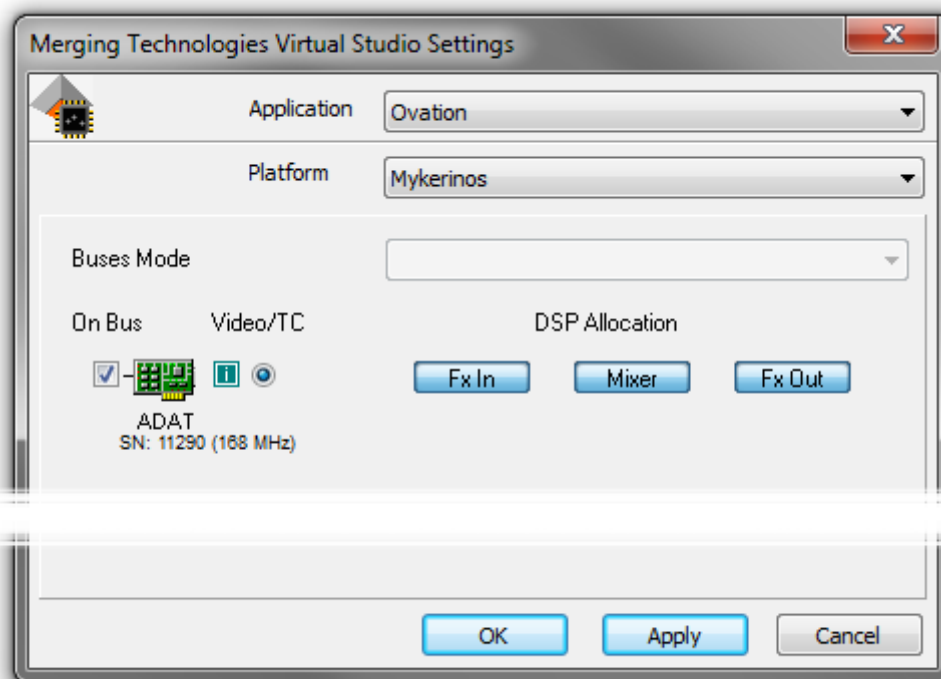


First launch

Before Launch

Important! After installation has been completed, please reboot the PC before attempting to launch Ovation. Then open the **VS3 control panel** application.

Start > All Programs > Ovation > VS3 control panel.



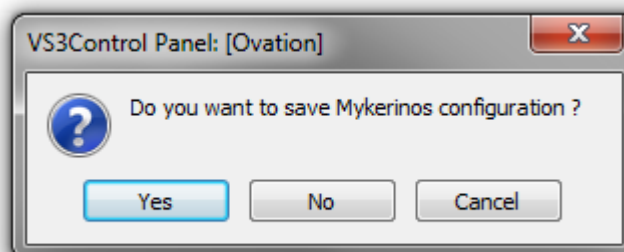
VS3 Control Panel Configuration page

Application

Choose **Ovation** from the drop down list.

For Pyramix systems with a single Mykerinos board:

Leave all default selections as they are, making sure the **On Bus** checkbox for your Mykerinos card is indeed checked then click on **OK**. The **MT Control Panel** exit dialog will open:



MT Control Panel Exit dialog

Click on **Yes** to save changes and exit the Merging Technologies Virtual Studio control panel application.

For Pyramix systems with a multiboard configuration:

- Make sure there is a check mark in the **On Bus** boxes for the board(s) you wish to use with Ovation.



- Select which board is to provide an external **Video/TC** reference with the radio buttons next to the board icons.
- For now, leave the default **DSP Allocation** settings as they are.
- When the VS3 Control Panel **Do you want to save xxxx selection?** dialog box appears, click on **OK**
- the VS3 Control Panel will close

Starting Ovation

By default the Installer will put **Ovation** into the **Programs** folder. It also places a shortcut icon on the Windows desktop.



Double-click on the **Ovation** desktop icon to launch Ovation.

Alternately, choose **Start > All Programs > Ovation > Ovation**.

This **Ovation Guide** is available from within Ovation and may be accessed via the **Help** menu or by pressing F1, or online at merging.com

Security Keys

The first time Ovation is launched, you will need to enter in your special **Key** to enable the program properly (Please see: **Enabling Ovation with your Software Key on page 190**).

The **Pyramix Settings** dialog window brings together all Pyramix settings. You will find detailed information about individual pages in the **Pyramix User Manual**.

The left-hand side of the window shows all available settings grouped in folders. Folders can be collapsed or expanded by clicking on the folder icons. By default, all folders are open, displaying the Settings pages they contain by name. Clicking on a settings page opens it in the right-hand side of the window for viewing and editing.



Audio File Support

Quicktime Support

In order to enable the Quicktime handler you will need to purchase and install Quicktime Pro from Apple.

<http://www.apple.com/quicktime/pro/>

Compressed Audio File Formats

Ovation supports many compressed file formats, including MP3 and AAC, directly. Other compressed formats are supported via Windows DirectShow technology.

Codecs

MP3 and AAC

Ovation supports MP3 and AAC directly. (Requires the optional **Advanced Audio Codec Support** key.) No separate codec installation is required and no decompressed file is generated.

FLAC

FLAC encoding and decoding is supported directly. No separate codec installation or key is required and no decompressed file is generated.

Ogg-Vorbis

Ogg-Vorbis encoding and decoding is supported natively. No separate codec installation or key is required and no decompressed file is generated.

How Compressed Audio Support Works

Technology

The decompression is handled via Microsoft DirectShow technology. So the formats supported will depend on which DirectShow codecs are installed. Default Windows installation should handle most of the common compressed file formats (wma, mp3 and more), but a wide variety of codecs exist to support all the major compressed formats (such as ogg-vorbis, flac, etc.).

If you experience problems with the default Windows Installation or if you are in need of specific Codec, Merging has a list of recommended third-party codecs available.

For more details please refer to the **Merging Forum Pyramix Troubleshooting & Tips** section

<http://forum.merging.com/viewforum.php?f=16>

To enable sample accurate editing, the compressed files are first decompressed into a cache file. The file is formatted as follows:

originalFileName__DXC(tag)DCX_.wav

This file is a plain **wav** file.

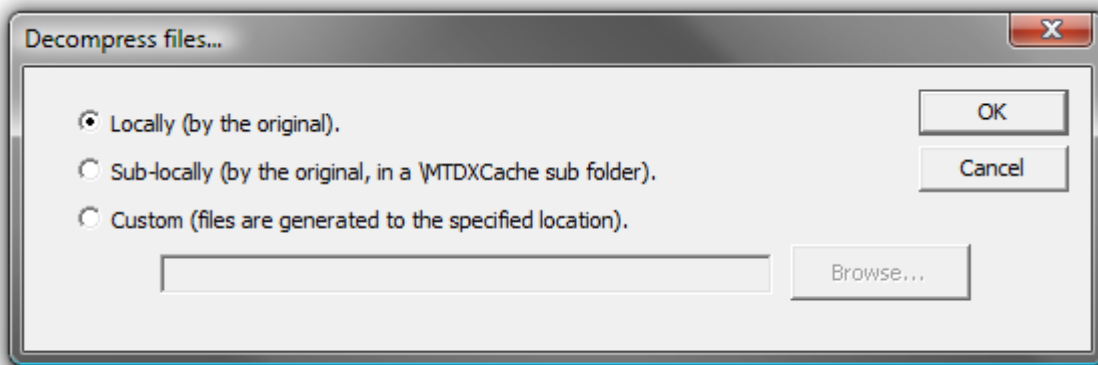
Ovation Setup

First, set up the **Default decompression cache** options in :

Settings > Application > General > Media Manager > Other settings and click on **Decompression Settings** to open the **Decompress files...** dialog.



Here you specify where the media should be decompressed to when no **Mounting Rules** are specified :



Decompress files... dialog

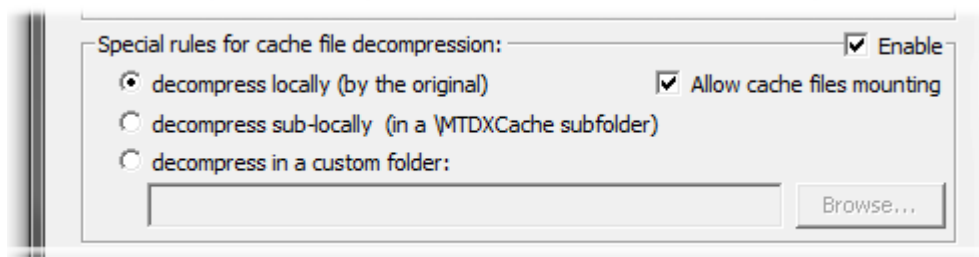
Locally (by the original) File(s) will be created in the same location as the original file.

Sub-locally (by the original, in a \MTDXCache sub folder). File(s) will be created in a sub folder created by Pyramix in the same location as the original file.

Custom (files are generated to the specified location). File(s) will be created in a user specified location. When this option is selected the **Browse...** button is available to open a file browser window to set the user defined path.

Mounting Rules

In addition to the general settings, Mounting Rules can be created to override the **Default decompression cache settings** for a specific Mounting location:



Mounting Rules dialog decompression rules section

Special rules for cache file decomposition

Locally (by the original) File(s) will be created in the same location as the original file.

Sub-locally (by the original, in a \MTDXCache sub folder). File(s) will be created in a sub folder created by Pyramix in the same location as the original file.

Custom (files are generated to the specified location). File(s) will be created in a user specified location. When this option is selected the **Browse...** button is available to open a file browser window to set the user defined path.

Enable enables the rule.

Allow cache files mounting when ticked cache files can be mounted directly, otherwise they remain invisible.



Keyboard Shortcuts

Note: The Fire Command now acts like Double-Click when in Show Edit Mode and is mapped by default to the Space key. So:

- § In Edit Mode, Space toggles Audition / Stop.
- § In Show Mode, Space always Fires the Cue.
- § In Show Mode, Enter calls Fire Sequenced Cue ! (Fire and select Next).

Default Keyboard Shortcuts

Show	
New Show	CTRL + N
Open Show	CTRL + O
Save Show	CTRL + S
Save Show As	CTRL + A
Init Show	F1
Start Show	F2
Pause Show	F3
Stop Show	F4
Consolidate Show	
View Show Properties	SHIFT + P
View Show Validator	
View Show Log	
View Show Control Toolbar	
View Audition Toolbar	
View Active Cue Window	
View Audio Control	
Exit	CTRL + Q
Cue List	
New Standard Cue List	CTRL + SHIFT + N
New Timed Cue List	
New Hot Keys	
New Custom Keys	
New Browser	CTRL + SHIFT + B
New Hot Browser	
Open Cue List	CTRL + SHIFT + O
Save Cue List As	CTRL + SHIFT + A



Close Cue List	CTRL + SHIFT + C
Fire & Start	F5
Start	F6
Pause	Shift + F7, F7
Stop	Shift + F8, F8
Chase	
Toggle/Select Cue List	TAB
Toggle/Select Hot Key list	
Select Specific Cue List	CTRL + Corresponding Hot Key (01 - 48) (Either on PC keyboard or Hardware Remote)
View Cue List Properties	CTRL + SHIFT + P
View Fire Toolbar	
View Edit Toolbar	
Custom Keys Design Mode	Ctrl + Shift + E
Snap all Keys on Grid	
Reset all Keys Position	
Reset all Keys Size and Position	
Cue	
Undo	Ctrl + Z
Cut	CTRL + X
Copy	CTRL + C
Paste	CTRL + V
Add Empty Cue	Insert
Load MTInterChange XML	
Load Audio File	
Load MIDI File	
Remove	Delete
Edit	Ctrl + E
Replace Audio Media	
Audition	Ctrl + Space, Ctrl + D
Audition Start	
Audition Rewind	
Audition Stop	Ctrl + Shift + F11, Ctrl + F11
Audition Play/Pause	Ctrl + F9, Ctrl + Shift + F9
Audition Fast-Forward	
Audition End	



Audition Review Start		
Audition Review End		
Audition Jump Forward 1		Ctrl + Right
Audition Jump Forward 2		Ctrl + Shift + Right
Audition Jump Forward 3		Ctrl + Shift + Alt + Right
Audition Jump Back 1		Ctrl + Left
Audition Jump Back 2		Ctrl + Shift + Left
Audition Jump Back 3		Ctrl + Shift + Alt + Left
Move Down		Ctrl + Down
Move Up		Ctrl + Up
Nest		Ctrl + Alt + Right
Unnest		Ctrl + Alt + Left
Edit Cue Rules		Ctrl + R
Edit Audio Gain		Ctrl + G
View Cue Properties		Ctrl + P
Fire		
Fire Sequenced Cue !		Enter
Previous Scene		Left
Next Scene		Right
Previous Cue		Up
Next Cue		Down
Fire Cue		Space, Shift + F9, F9
Pause Cue		Shift + F10, F10
Stop Cue		Shift + F11, F11
Stop All Cues		
Hot Key 01	(Down)	1
Hot Key 02	(Down)	2
Hot Key 03	(Down)	3
Hot Key 04	(Down)	4
Hot Key 05	(Down)	5
Hot Key 06	(Down)	6
Hot Key 07	(Down)	7
Hot Key 08	(Down)	8
Hot Key 09	(Down)	9
Hot Key 10	(Down)	0
Hot Key 11	(Down)	
Continues to:-		
Hot Key 48 (Down)		



Hot Key 01	(Up)	1
Hot Key 02	(Up)	2
Hot Key 03	(Up)	3
Hot Key 04	(Up)	4
Hot Key 05	(Up)	5
Hot Key 06	(Up)	6
Hot Key 07	(Up)	7
Hot Key 08	(Up)	8
Hot Key 09	(Up)	9
Hot Key 10	(Up)	0
Hot Key 11	(Up)	

Continues to:

Hot Key 48 (Up)

Trimmer

Nudge Cue In Less

Nudge Cue In More

Nudge Cue Out Less

Nudge Cue Out More

Nudge Fade In Less

Nudge Fade In More

Nudge Fade Out Less

Nudge Fade Out More

Nudge Cursor Less

Nudge Cursor More

Snap In To Cursor

Nudge Out To Cursor

Audition Review Start

Audition Review End

View

View Show Properties

Shift + P

View Show Validator

View Show Log

View Show Control Toolbar

View Cue List Properties

Ctrl + Shift + P

View Cue List Fire Toolbar

View Cue List Edit Toolbar



View Cue Properties	Ctrl + P
View Audition Toolbar	
View Active Cue Window	
View Mixer	Alt + M
View Touch Controller	Alt + C
Settings	
Settings	Alt + G
Keyboard Shortcuts	Ctrl + K
Help	
User Manual	Ctrl + H

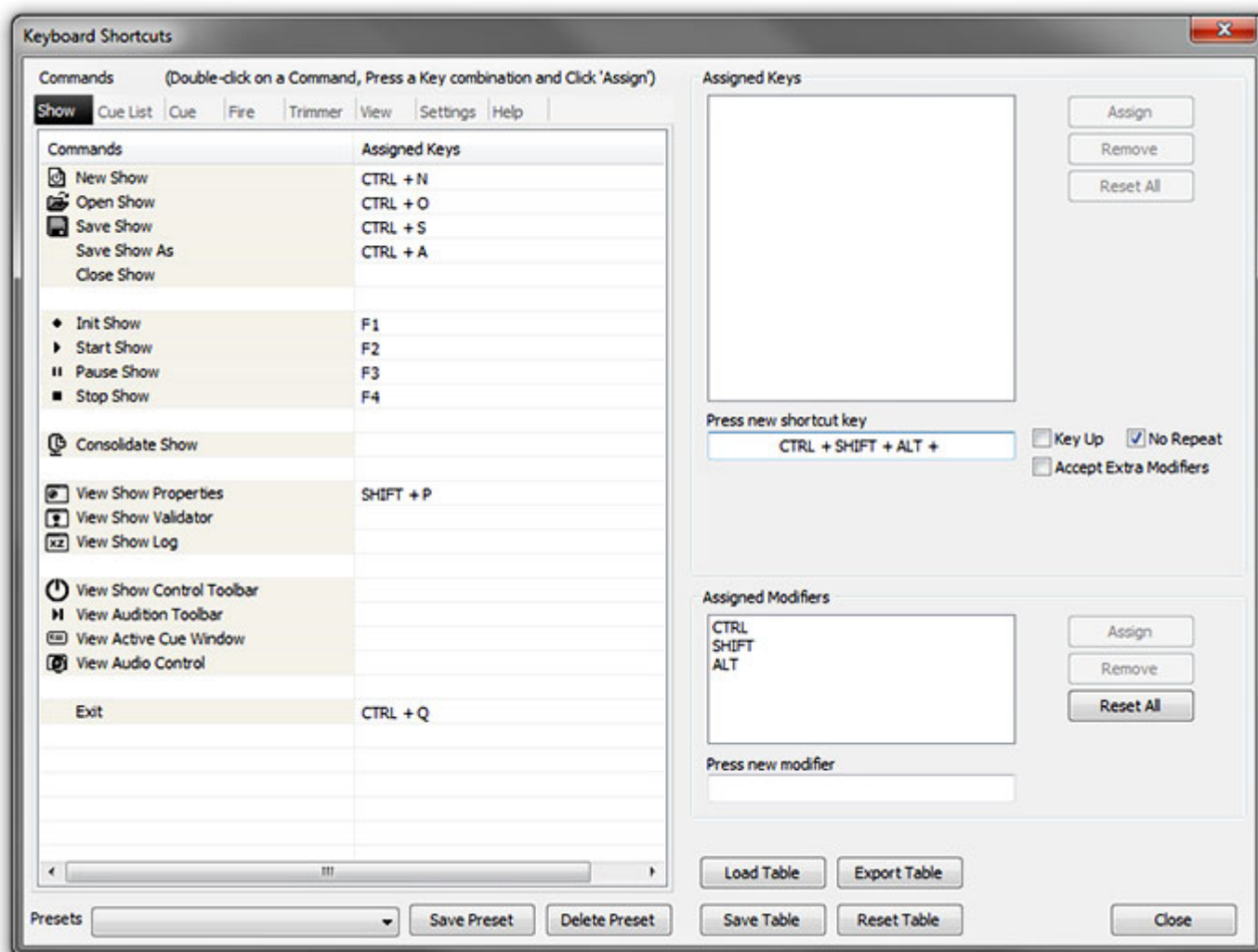
Custom Keyboard Shortcuts

We strongly encourage you to learn the default Ovation keyboard shortcuts. However, if you wish to create your own **Keyboard Shortcuts** for Ovation functions this is how to do it.

To define your own **Keyboard Shortcuts**:



1. Choose **Settings > Keyboard Shortcuts**. This opens the **Keyboard Shortcuts** window.



Ovation Keyboard Shortcuts dialog

2. All menu **Commands** are grouped together into **Tabs** within this window. Select the **Tab** with whichever group of **Command** Functions you wish to add or change key assignments for.
3. Click on the appropriate **Command** so that it is highlighted.
4. Click in the **Press new shortcut key** box. The cursor will become a blinking bar.
5. Now press the desired **Key** or combination of **Key** and modifier (e.g. the **Ctrl**, **Shift**, **Alt**, etc.). These will appear in the **Press new shortcut key** box. Note that Pyramix will warn you if the chosen **Key** or combination is already assigned to another function.
6. Click the **Assign** button.
7. Continue assigning **Keys** to **Commands** until you are satisfied.
8. Any set of user defined **Keyboard Shortcuts** can be saved as a **Preset**. To do so, click the **Save Preset** button, then name the **Preset**. Similarly, to recall a previously saved **Preset**, click in the **Presets** box and select it from the pop-up list. Note that several common **Presets** are shipped with **Ovation**. The Table will be saved in the system for the user currently logged in and will not affect any other user.
9. A table can be Saved or Loaded to a file so it can be taken to an other system. Just Click on the Save Table or Load Table button.
10. A table can be exported as a Text File along with some comments about commands. This is very useful since it enables you to print it as a command reference guide with your own keyboard shortcuts.



Advanced Features

Multiple Ovation Sequencers for Redundancy

Mirror All Commands to Remote Ovation Sequencers

The **Mirror All Commands to Remote Ovation Sequencers** setting can be found in **Settings > Application Settings > Controller > Remote Controlled Ovations**. When enabled (ticked) this option ensures that all commands issued by the local Ovation Sequencer with the mouse, keyboard shortcuts or touch screen (i.e. **NOT** with a hardware controller) are also sent to all the Remote Ovation Sequencers defined in the Controller Settings. This enables total redundancy to be achieved with another Ovation Sequencer running the same show on another machine on the network. If two machines on the network enable this option and both define the other one in their own **Controller Settings > Remote Ovation Sequencers** list, then either or both user interfaces can be operated during the Show and each Sequencer will be a mirror of the other. Multiple mirrors can be defined.

Remote Players and Controllers

Ovation Players

Apart from the main Ovation application a smaller application, the **OVPlayer** is also included in the package.

In most circumstances Ovation will either operate stand-alone or networked with other machines running further full iterations of Ovation. However, it is possible to have one master Ovation sequencer with one or more Ovation Players running on remote, networked machines. In this case one Ovation sequencer is the master and controls the others.

Ovation Controllers

Similar to the OVPlayer, OV Controllers can be run on remote machines. OV Controllers enable Ovation to be controlled by commands from external devices.

OV Player

The **OV Player** module is the mechanism for interpreting **Ovation Sequencer** instructions and playing back the correct Media files and outputting control protocols at the right time from local or network storage.

In **Show Mode** an **OV Player** on a networked PC or indeed several PCs running OV Player can be controlled by a single **Ovation** module. This powerful feature enables highly complex scenarios to be developed.

Each **Cue List** and indeed each individual **Cue** can have different **Default Output Players** defined which then override the **Show** defaults.

Only one **OV Player** can be running on any one machine at one time. The OV Player on the machine running the Ovation Show is part of the Ovation Sequencer. The separate **OV Player** application is provided for use on slave Player Machines.

OV Player Files

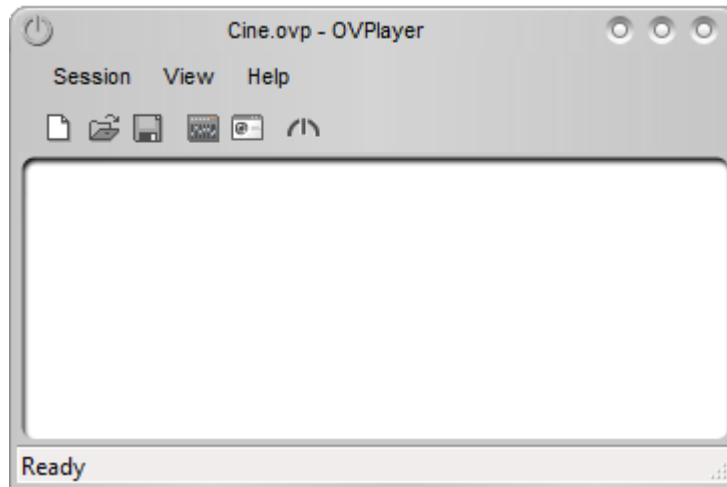
OV Player files store player set-ups including audio mixer settings and have a **.ovp** file extension.



OV Player User Interface

Main Screen

When an OV Player is launched its Main window opens together with the audio **Mixer** window used most recently.



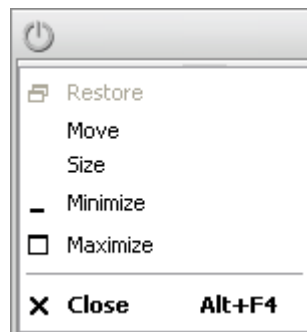
OV Player main Window

Note: The OV Player can be set to start minimized in the **View** menu.

OV Player Buttons and Toolbars



OV Logo button. Clicking on this drops down the Main window control menu:



OV Player Window Control Menu

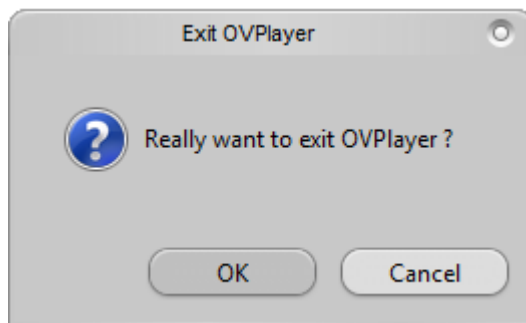
Controls are standard Windows items. At top right the three circular buttons are, from Left to Right:

Minimize Minimizes Main OV Player Window and the Mixer window (If open) to the Taskbar.

Maximize / Restore Toggles between Maximizing the Main OV Player Window and Restoring it to the size and position it occupied prior to being minimized / maximized




Close Opens the **Exit OV Player** dialog



Exit OV Player dialog

Click on **OK** to close the **OV Player** or **Cancel** to exit the dialog without closing **OV Player**.

Toolbars

All toolbars including the **Menu** toolbar can be made floating by clicking to the left of the first entry until the cursor changes to **Move**  and dragging to a new location. If a floating Toolbar is dragged close to the edge of the Main Window it will snap to a docked configuration.



OV Player Toolbar



Opens a new, Untitled OV Player Session



Opens the **Open** Windows File Browser to enable an existing Session to be loaded



Saves the current Session. If this is Untitled, opens the **Save As** file browser



Toggles the **Mixer** window open / closed

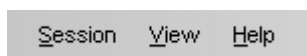


Opens the **OV Player** Settings Window



Opens the **About OV Player** window (Will later also open this Guide)

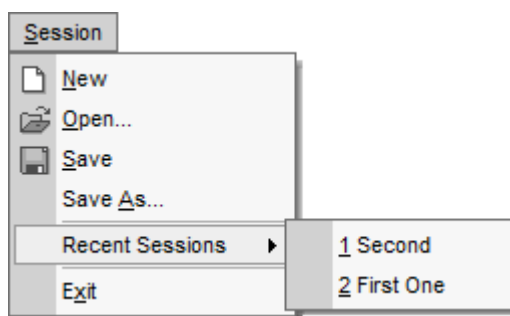
OV Player Menus



OV Player Menus

Clicking on **S**ession, **V**iew or **H**elp drops down the respective menu

Session



OV Player Session Menu

New

Ctrl+N Opens a new, Untitled OV Player Session



Open

Ctrl+O Opens the **Open** Windows File Browser to enable an existing **Session** to be loaded

Save

Ctrl+S Saves the current **Session**. If this is Untitled, opens the **Save As** file browser

Save As...

Opens the **Save As** file browser

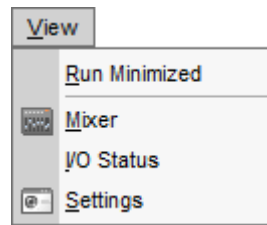
Recent Sessions

Drops down a list of recently opened **Sessions**

Exit

Quits the **OV Player** application

View



OV Player View Menu

Run Minimized

When ticked OV Player will subsequently open minimized in the Task Bar

Mixer

Toggles the **Mixer** window open / closed

View Player I/O Status

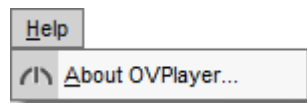
Toggle OV **Player I/O Status** window show/hide

Settings

Opens the **OV Player Settings** Window

Note: This is a restricted version of the **Settings** window accessible from the Ovation Sequencer Settings menu.

Help



OV Player Help Menu



Opens the **About OV Player** window

OV Controller

This application module handles Ovation MIDI and GPI remote control **inputs**. I.e. control **OF** the Ovation sequencer(s) by external devices.

Exactly like the OVPlayer application it can be run on a remote computer.

Only one **OV Controller** can be running on an any one machine at one time.

Note: OVControllers control **Ovation** Sequencers which in turn can control remote **OVPlayers**.

OV Controller Files

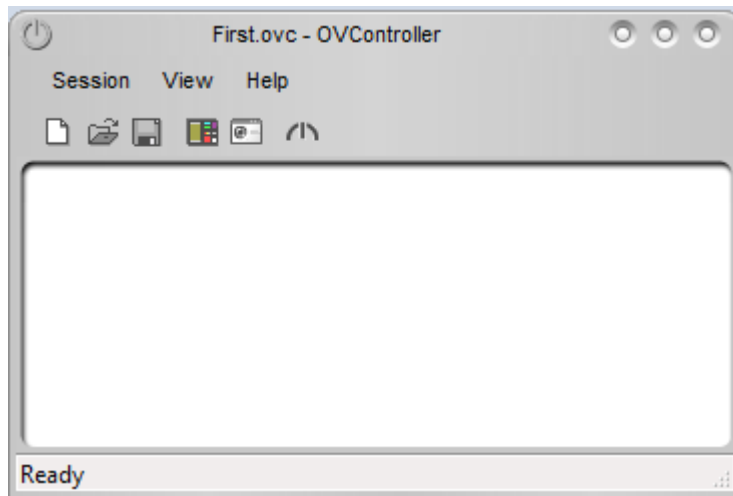
OV Controller files store controller set-ups and have a **.ovc** file extension.



OV Controller User Interface

Main Screen

When an OV Controller is launched its Main window opens: .



OV Controller main Window

Note: The OV Controller can be set to start minimized in the Controller **View** menu.

OV Controller Buttons and Toolbars



OV Logo button. Clicking on this drops down the Main window control menu:



OV Controller Window Control Menu

Controls are standard Windows items. At top right the three circular buttons are, from Left to Right:

Minimize Minimizes Main OV Controller Window to the Taskbar.

Maximize / Restore Toggles between Maximizing the Main OV Controller Window and Restoring it to the size and position it occupied prior to being minimized / maximized




Close Opens the **Exit OV Controller** dialog



Exit OV Controller dialog

Click on **OK** to close the **OV Controller** or **Cancel** to exit the dialog without closing **OV Controller**.

Toolbars

All toolbars including the **Menu** toolbar can be made floating by clicking to the left of the first entry until the cursor changes to **Move**  and dragging to a new location. If a floating Toolbar is dragged close to the edge of the Main Window it will snap to a docked configuration.



OV Controller Toolbar



Opens a new, Untitled OV Controller Session



Opens the **Open** Windows File Browser to enable an existing Session to be loaded



Saves the current Session. If this is Untitled, opens the **Save As** file browser



Opens the **Touch Controller window**



Opens the **OV Controller** Settings Window



Opens the **About OV Controller** window

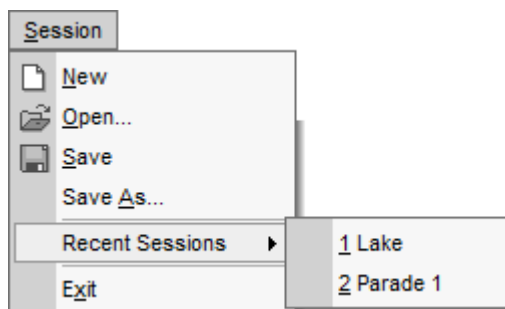
OV Controller Menus



OV Controller Menus

Clicking on **S**ession, **V**iew or **H**elp drops down the respective menu

Session



OV Controller Session Menu

New

Ctrl+N Opens a new, Untitled OV Controller Session



Open

Ctrl+O Opens the **Open** Windows File Browser to enable an existing **Session** to be loaded

Save

Ctrl+S Saves the current **Session**. If this is Untitled, opens the **Save As** file browser

Save **As...**

Opens the **Save As** file browser

Recent Sessions

Drops down a list of recently opened **Sessions**

Exit

Quits the **OV Player** application

View



OV Controller View Menu

Run Minimized

When ticked OV Controller will subsequently open minimized in the Task Bar

Touch Controller

Toggles the **Touch Controller** window open / closed

Settings

Opens the **OV Controller Settings** Window

Note: This is a restricted version of the **Settings** window accessible from the Ovation Sequencer Settings menu.

Help



OV Controller Help Menu



Opens the **About OV Controller** window



Appendix I

OVController Commands

- Ovation can be remote controlled in two ways:
 - As a **Media Sequencer**: All features available in the user interface are remote controllable the same manner they are operated manually with the mouse from within the application. It's equivalent as remote controlling each buttons of the user interface.
 - As a **Media Server**: All Cues and Cue Lists can be remote controlled independently given their Cue List Number and/or Cue Number or Index. It's equivalent as remote controlling a pool of media independently of the Ovation user interface.
- - Both modes can be used at the same time. A remote controller can send some Media Sequencer commands and some Media Server commands anytime and transparently.
- - The charts in following pages show all available commands in both modes.
- **Appendix II on page 214** gives details on the Ovation Keyboard Commands mapping
- **Appendix III on page 217** gives details on MIDI / Midi Show Control Commands mapping
- **Appendix IV on page 225** gives details on DMX Commands mapping
- **Appendix V on page 226** gives details on GPI Commands mapping



Media Sequencer Mode available Commands:

Note: If the tables are difficult to read please zoom in.

Ovation Media Sequencer Commands	Parameter 1	Parameter 2	Parameter 3	Parameter 4
CueFire				
CueFireSequenced				
CuePause				
CueStop				
CueStopAll				
CueHotPress	Down = 1 / Up = 0			
CueAudition				
CueAuditionStart				
CueAuditionRewind				
CueAuditionStop				
CueAuditionPlayPause				
CueAuditionFastForward				
CueAuditionEnd				
CueAuditionReviewStart				
CueAuditionReviewEnd				
CueBrowse				
CueSelect	Cue # **	Cue Sub#1 **	Cue Sub#2 **	Cue Sub#3 **
CueSelectNext				
CueSelectPrev				
CueSelectNextScene				
CueSelectPrevScene				
CueListSelect	Cue List # *			
CueListSelectNext				
CueListSelectPrev				
CueListSelectToggle				
HotCueListSelect	Cue List # *			
HotCueListSelectNext				
HotCueListSelectPrev				
HotCueListSelectToggle				
CueListFireStart				
CueListStart				
CueListPause				
CueListStop				
CueListChase	On = 1 / Off = 0			
CueListChaseToggle				
ShowInit				
ShowStart				
ShowPause				
ShowStop				
ShowReset				
OK				
Cancel				
SendModifierKey	Modifier Key Code ***	Down = 1 / Up = 0		
SendVirtualKey	Virtual Key Code ****	Down = 1 / Up = 0		
Undo				
Cut				
Copy				
Paste				
Save				
SetMasterOutputGain	Gain			
MuteMasterOutput	Mute = 1 / Unmute = 0			



Parameters details:

- * CueList #** *Cue List Number as displayed in the Ovation Sequencer*
- ** Cue #** *If Cue Sub#1 equals OVCUEINDEX (-2) then Cue # is the Cue index in its Cue List
Otherwise the Cue is identified with up to 3 nested levels using :
Cue#, Sub#1, Sub#2 and Sub#3.
Example: 1.1.2 or 3.4.2.5
Note: 1.2.0.0 = 1.2.-1.-1 = 1.2*
- *** Modifier Key:** OVCCMK_CONTROL 1
 OVCCMK_SHIFT 2
 OVCCMK_ALT 3
- OVCCMK_FADE 2 (= OVCCMK_SHIFT)
 OVCCMK_RESET_PL 4
 OVCCMK_PLAY_STOP 5
 OVCCMK_PLAY_PAUSE 6
 OVCCMK_PLAY_DELETE 7
 OVCCMK_PLAY_DELETE 8
- **** Virtual Keys:** *Any valid Windows Virtual Key Code*



Media Server Mode available Commands:

Ovation Media Server Commands	CueList / Cue Identification Parameters					Command Timing Parameters				Generic Parameters			
	CueList #	Cue #	CueSub #1	CueSub #2	CueSub #3	Time	TimeOffset	Fade	Progress Offset	Boolean	Integer	Floating Point	String
CueAddAudio	X	X	X	X	X								Audio Output Slot
CueAddVideo	X	X	X	X	X								Audio Gain
CueLoad	X	X	X	X	X								PathName URL
CueUnload	X	X	X	X	X								PathName URL
CueMakeReady	X	X	X	X	X								
CueFire	X	X	X	X	X	X	X	Fade In	X				
CueFireSequenced	X	X	X	X	X								
CuePause	X	X	X	X	X	X	X	Fade Out					
CueStop	X	X	X	X	X	X	X	Fade Out					
CueStopAll													
CueDim	X	X	X	X	X	X	X	Fade Out					
CueUnDim	X	X	X	X	X	X	X	Fade In					
CueHotPress	X	X	X	X	X					Pressed=1/Released=0			
CueAudition	X	X	X	X	X								
CueAuditionStart	X	X	X	X	X								
CueAuditionRewind	X	X	X	X	X								
CueAuditionStop	X	X	X	X	X								
CueAuditionPlayPause	X	X	X	X	X								
CueAuditionFastForward	X	X	X	X	X								
CueAuditionEnd	X	X	X	X	X								
CueAuditionReviewStart	X	X	X	X	X								
CueAuditionReviewEnd	X	X	X	X	X								
CueBrowse	X	X	X	X	X								
CueSelect	X	X	X	X	X								
CueSelectNext	X												
CueSelectPrev	X												
CueSelectNextScene	X												
CueSelectPrevScene	X												
CueListSelect	X												
CueListSelectNext													
CueListSelectPrev													
CueListSelectToggle													
HotCueListSelect	X												
HotCueListSelectNext													
HotCueListSelectPrev													
HotCueListSelectToggle													
CueListFireStart	X	X	X	X	X								
CueListStart	X												
CueListPause	X												
CueListStop	X												
CueListSetTime	X					X	X						
CueListChase	X									Chase Enabled = 1			
CueListChaseToggle	X												
ShowInit													
ShowStart													
ShowPause													
ShowStop													
ShowReset													
OK													
Cancel													
SendModifierKey										Pressed=1/Released=0	Modifier Key Code		
SendVirtualKey										Pressed=1/Released=0	Virtual Key Code		
Undo													
Cut													
Copy													
Paste													
Save													
SetMasterOutputGain												Gain	
MuteMasterOutput										Mute = 1 / Unmute = 0			

Parameters Explanation:

CueList #	If CueList # equals OVSELECTED (-1) then the currently selected CueList in the Sequencer is used for the command Otherwise the Cue List Number as displayed in the Ovation Sequencer		
Cue #	If Cue # equals OVSELECTED (-1) then the currently selected Cue in the Sequencer is used for the command If Cue Sub#1 equals OVCUEINDEX (-2) then Cue # is the Cue index in its Cue List Otherwise the Cue is identified with up to 3 nested levels using Cue#, Sub#1, Sub#2 and Sub#3. Example: 1.1.2 or 3.4.2.5 Note: 1.2.0.0 = 1.2.-1.-1 = 1.2		
Time	Absolute Time when the Command will be executed. This Time relates to the Show Time. (OV_INVALID_TIME means as soon as possible)		
TimeOffset	Relative Time when the Command will be executed counting from when the command is issued (OV_INVALID_TIME means no offset)		
Fade	Fade Time (OV_INVALID_TIME means the Fade Time defined in the Sequencer is used)		
ProgressOffset	Time from the beginning of the Cue to start playing the Cue when Fired (OV_INVALID_TIME means the Cue starts from its beginning)		
Modifier Key Code:	OVCCMK_CONTROL	1	
	OVCCMK_SHIFT	2	
	OVCCMK_ALT	3	
	OVCCMK_FADE	2 (= OVCCMK_SHIFT)	
	OVCCMK_RESET_PLAY	4	
	OVCCMK_PLAY_STOP	5	
	OVCCMK_PLAY_PAUSE	6	
	OVCCMK_PLAY_DEPRESS_ST	7	
	OVCCMK_PLAY_DEPRESS_PA	8	
Virtual Key Code:	Any valid Windows Virtual Key Code		

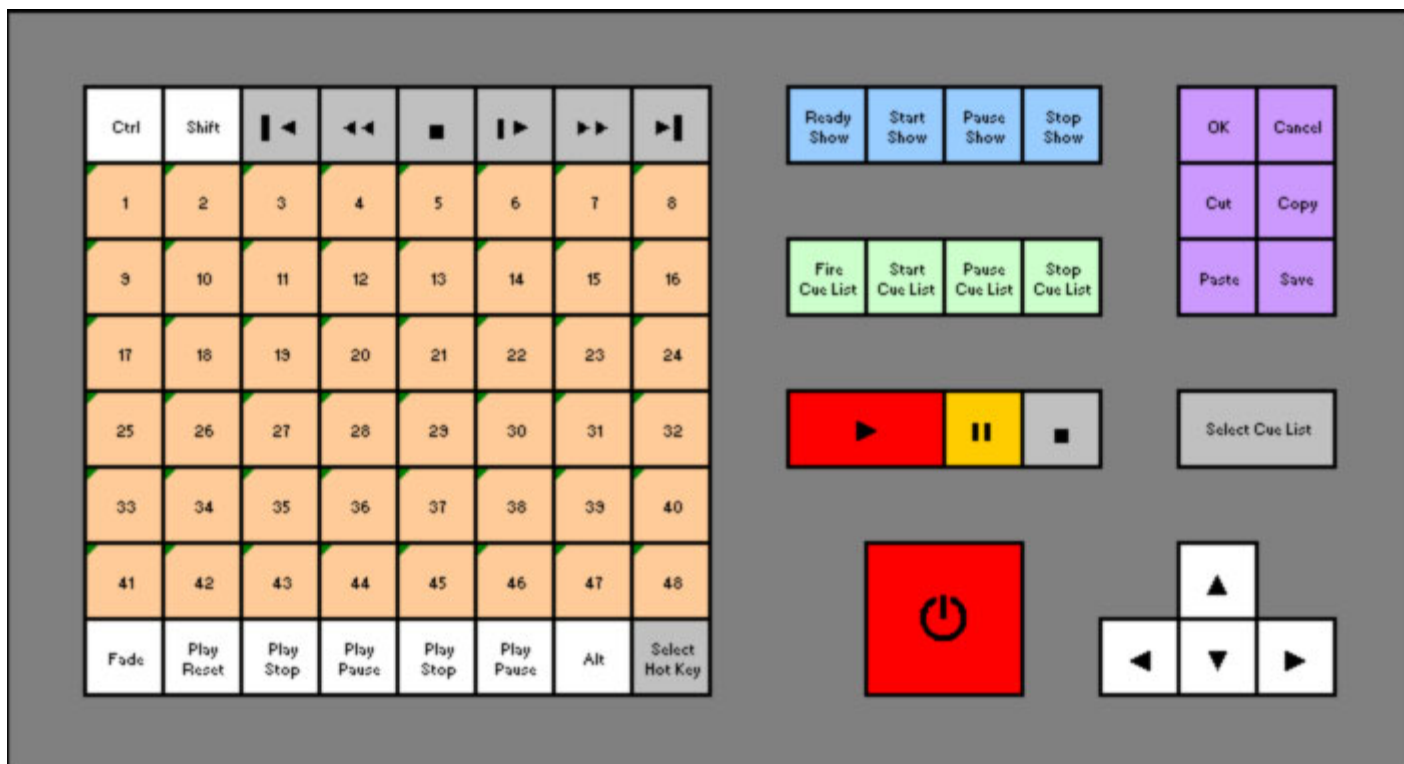


Appendix II

The Ovation Keyboard Controller Commands Map

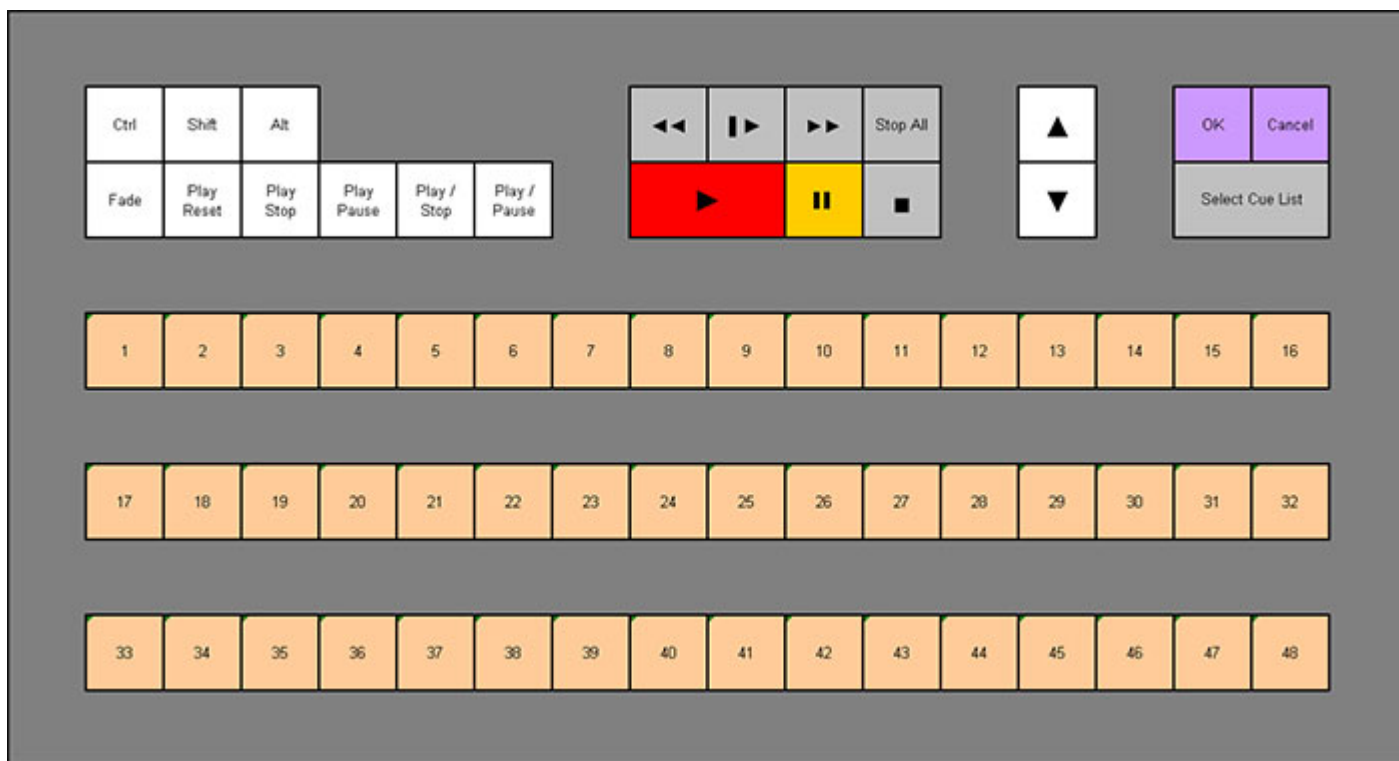
Keyboard Layout

Standard - General Purpose Mapping





Hot Keys Only Mapping



Note: The Ovation Keyboard does not map any Media Server Mode specific Commands.

Note: The keyboard keys can be changed easily with the key caps removal tool provided with the keyboard. All the key caps required for both keyboard layouts are supplied with the keyboard.

Changing Keyboard Mapping






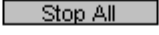
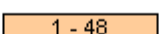
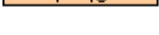




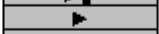




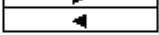





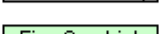
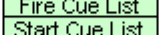
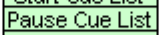
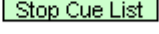

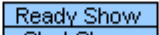
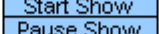
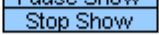

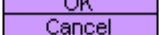
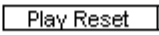


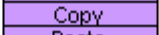

To change the keyboard mapping between General Purpose and Hotkeys go to:

Settings > Application > Controller Units > Proprietary > OVKeyboard

Make sure that the **Enable** checkbox is ticked and choose the appropriate mapping with the radio buttons.



Ovation Keyboard Commands mapping

Ovation Media Sequencer Commands	Mapped on Standard Keyboard	Mapped on Hot Keys Keyboard	Buttons
			
CueFire	Yes	Yes	
CueFireSequenced	Yes	No	
CuePause	Yes	Yes	
CueStop	Yes	Yes	
CueStopAll	No	Yes	
CueHotPress	1 to 48	1 to 48	
CueAudition	No	No	
CueAuditionStart	Yes	No	
CueAuditionRewind	Yes	Yes	
CueAuditionStop	Yes	No	
CueAuditionPlayPause	Yes	Yes	
CueAuditionFastForward	Yes	Yes	
CueAuditionEnd	Yes	No	
CueAuditionReviewStart	Yes	No	
CueAuditionReviewEnd	Yes	No	
CueBrowse	No	No	
CueSelect	No	No	
CueSelectNext	Yes	Yes	
CueSelectPrev	Yes	Yes	
CueSelectNextScene	Yes	No	
CueSelectPrevScene	Yes	No	
CueListSelect	No	No	
CueListSelectNext	No	No	
CueListSelectPrev	No	No	
CueListSelectToggle	Yes	Yes	
HotCueListSelect	No	No	
HotCueListSelectNext	No	No	
HotCueListSelectPrev	No	No	
HotCueListSelectToggle	Yes	Yes	
CueListFireStart	Yes	No	
CueListStart	Yes	No	
CueListPause	Yes	No	
CueListStop	Yes	No	
CueListChase	No	No	
CueListChaseToggle	No	No	
ShowInit	Yes	No	
ShowStart	Yes	No	
ShowPause	Yes	No	
ShowStop	Yes	No	
ShowReset	No	No	
OK	Yes	Yes	
Cancel	Yes	Yes	
SendModifierKey	Yes	Yes	
SendVirtualKey	No	No	
Undo	No	No	
Cut	Yes	No	
Copy	Yes	No	
Paste	Yes	No	
Save	Yes	No	
SetMasterOutputGain	No	No	
MuteMasterOutput	No	No	

Appendix III

MIDI and Midi Show Control

Midi Show Control Media Sequencer Mode Commands Mapping

Ovation Media Sequencer Commands	MCS Command	Cmd Param (Dec)	Cmd Param (Hex)	Comments
CueFire	Fire	8	8	
CueFireSequenced	Fire	9	9	
CuePause	Fire	10	A	
CueStop	Fire	11	B	
CueStopAll	Fire	12	C	
CueHotPress	Fire	48-95	30-5F	Even : Down - Odd : Up
CueAudition	Fire	32	20	
CueAuditionStart	Fire	33	21	
CueAuditionRewind	Fire	34	22	
CueAuditionStop	Fire	35	23	
CueAuditionPlayPause	Fire	36	24	
CueAuditionFastForward	Fire	37	25	
CueAuditionEnd	Fire	38	26	
CueAuditionReviewStart	Fire	39	27	
CueAuditionReviewEnd	Fire	40	28	
CueBrowse	Fire	41	29	
CueSelect				
CueSelectNext	Fire	42	2A	
CueSelectPrev	Fire	43	2B	
CueSelectNextScene	Fire	44	2C	
CueSelectPrevScene	Fire	45	2E	
CueListSelect	Fire			
CueListSelectNext	Fire	17	11	
CueListSelectPrev	Fire	18	12	
CueListSelectToggle	Fire	19	13	
HotCueListSelect	Fire			
HotCueListSelectNext	Fire	22	16	
HotCueListSelectPrev	Fire	23	17	
HotCueListSelectToggle	Fire	24	18	
CueListFireStart	Fire	26	1A	
CueListStart	Fire	27	1B	
CueListPause	Fire	28	1C	
CueListStop	Fire	29	1D	
CueListChase				
CueListChaseToggle	Fire	30	1E	
ShowInit	Fire	1	1	
ShowStart	Fire	2	2	
ShowPause	Fire	3	3	
ShowStop	Fire	4	4	
ShowReset	Fire	5	5	
OK	Fire	112	70	
Cancel	Fire	113	71	
SendModifierKey	Fire	96-111	60-6F	Even : Down - Odd : Up
SendVirtualKey				
Undo	Fire	114	72	
Cut	Fire	115	73	
Copy	Fire	116	74	
Paste	Fire	117	75	
Save	Fire	118	76	
SetMasterOutputGain				
MuteMasterOutput	Fire	119-120	7A-7B	Mute - Unmute



Midi Show Control Media Server Mode Commands mapping:

Ovation Media Server Commands	MSC Command
CueAddAudio	
CueAddVideo	
CueLoad	
CueUnload	
CueMakeReady	Load
CueFire	Go / Timed Go / Resume
CueFireSequenced	
CuePause	Stop
CueStop	Go Off
CueStopAll	
CueDim	
CueUnDim	
CueHotPress	
CueAudition	
CueAuditionStart	
CueAuditionRewind	
CueAuditionStop	
CueAuditionPlayPause	
CueAuditionFastForward	
CueAuditionEnd	
CueAuditionReviewStart	
CueAuditionReviewEnd	
CueBrowse	
CueSelect	
CueSelectNext	Standby +
CueSelectPrev	Standby -
CueSelectNextScene	Sequence +
CueSelectPrevScene	Sequence -
CueListSelect	Open Cue List
CueListSelectNext	
CueListSelectPrev	
CueListSelectToggle	
HotCueListSelect	
HotCueListSelectNext	
HotCueListSelectPrev	
HotCueListSelectToggle	
CueListFireStart	Go / Jam Clock
CueListStart	Start Clock
CueListPause	
CueListStop	Stop Clock
CueListSetTime	Zero Clock / Set Clock
CueListChase	MTC Chase On / Off
CueListChaseToggle	
ShowInit	
ShowStart	
ShowPause	
ShowStop	
ShowReset	Reset

Continued on next page



Ovation Media Server Commands
Cancel
SendModifierKey
SendVirtualKey
Undo
Cut
Copy
Paste
Save
SetMasterOutputGain
MuteMasterOutput

MSC Command
All Off / Restore

Note: Ovation is compatible with the MSC data specification with the following limitation:

Sub-Cue (Child-Cue) level id is limited to 4

I.e. if 10.4.1.2.8.14 cue data is sent, Ovation will use the 10.4.1.2 cue identifier and Sub Cue id 8.14 will be ignored

Sub-Cue list level id is limited to 1 all Sub-Cue list id will be ignored

I.e. If 1.2 cue list data is sent, Ovation will use the first cue list identifier. In that case 1

Cue list 0 is not supported

Cue path data is ignored



General MIDI Media Sequencer Mode Commands Mapping

Note: If the tables are difficult to read please zoom in.

Ovation Media Sequencer Commands	Command	Data 1	Data 2	Comments
CueFire	Control Change	mappable		
CueFireSequenced	Control Change	mappable		
CuePause	Control Change	mappable		
CueStop	Control Change	mappable		
CueStopAll	Control Change	mappable		
CueHotPress	Control Change	mappable	0 = down otherwise up	
CueAudition	Control Change	mappable		
CueAuditionStart	Control Change	mappable		
CueAuditionRewind	Control Change	mappable		
CueAuditionStop	Control Change	mappable		
CueAuditionPlayPause	Control Change	mappable		
CueAuditionFastForward	Control Change	mappable		
CueAuditionEnd	Control Change	mappable		
CueAuditionReviewStart	Control Change	mappable		
CueAuditionReviewEnd	Control Change	mappable		
CueBrowse	Control Change	mappable		
CueSelect	Control Change	mappable	the Cue #	
CueSelectNext	Control Change	mappable		
CueSelectPrev	Control Change	mappable		
CueSelectNextScene	Control Change	mappable		
CueSelectPrevScene	Control Change	mappable		
CueListSelect	Control Change	mappable	the Cue List #	
CueListSelectNext	Control Change	mappable		
CueListSelectPrev	Control Change	mappable		
CueListSelectToggle	Control Change	mappable		
HotCueListSelect	Control Change	mappable	the Cue List #	
HotCueListSelectNext	Control Change	mappable		
HotCueListSelectPrev	Control Change	mappable		
HotCueListSelectToggle	Control Change	mappable		
CueListFireStart	Control Change	mappable		
CueListStart	Control Change	mappable		
CueListPause	Control Change	mappable		
CueListStop	Control Change	mappable		
CueListChase	Control Change	mappable	0 = Chase On otherwise Chase Off	
CueListChaseToggle	Control Change	mappable		
ShowInit	Control Change	mappable		
ShowStart	Control Change	mappable		
ShowPause	Control Change	mappable		
ShowStop	Control Change	mappable		
ShowReset	Control Change	mappable		
OK	Control Change	mappable		
Cancel	Control Change	mappable		
SendModifierKey	Control Change	mappable		
SendVirtualKey	Control Change	mappable		
Undo	Control Change	mappable		
Cut	Control Change	mappable		
Copy	Control Change	mappable		
Paste	Control Change	mappable		
Save	Control Change	mappable		
SetMasterOutputGain	Control Change	mappable	The master gain fader position 0 = Mute	
MuteMasterOutput	Control Change	mappable	0 = Unmute otherwise Mute	

Note: Data 1 is a range of values from 0 to 63

General MIDI Media Server Mode Commands Mapping

Ovation Media Server Commands	GM Command	Data 1	Comments
CueAddAudio			
CueAddVideo			
CueLoad			
CueUnload			
CueMakeReady			
CueFire	Note On	the Cue #	depends on the Note On option
CueFireSequenced			
CuePause	Note Off	the Cue #	depends on the Note Off and Note On option
CueStop	Note Off	the Cue #	depends on the Note Off and Note On option
CueStopAll			
CueDim			
CueUnDim			
CueHotPress	Note On / Note Off	the Cue #	depends on the Note On option
CueAudition			
CueAuditionStart			
CueAuditionRewind			
CueAuditionStop			
CueAuditionPlayPause			
CueAuditionFastForward			
CueAuditionEnd			
CueAuditionReviewStart			
CueAuditionReviewEnd			
CueBrowse			
CueSelect			
CueSelectNext			
CueSelectPrev			
CueSelectNextScene			
CueSelectPrevScene			
CueListSelect	Program Change	the CueList #	
CueListSelectNext			
CueListSelectPrev			
CueListSelectToggle			
HotCueListSelect			
HotCueListSelectNext			
HotCueListSelectPrev			
HotCueListSelectToggle			
CueListFireStart			
CueListStart			
CueListPause			
CueListStop			
CueListSetTime			
CueListChase			
CueListChaseToggle			
ShowInit			
ShowStart			
ShowPause			
ShowStop			
ShowReset			
OK			
Cancel			
SendModifierKey			
SendVirtualKey			
Undo			
Cut			
Copy			
Paste			
Save			
SetMasterOutputGain			
MuteMasterOutput			

The MIDI channel is the Cue list Id or is ignored and the Selected Cue List is targeted. An option is available.



MMC Media Sequencer Commands Mapping

Ovation Media Sequencer Commands	MMC Command	Cmd (Dec)	Cmd (Hex)	Comments
CueFire	Play / Deferred Play	2, 3	2, 3	
CueFireSequenced				
CuePause	Pause	9	9	
CueStop	Stop	1	1	
CueStopAll				
CueHotPress				
CueAudition				
CueAuditionStart				
CueAuditionRewind				
CueAuditionStop				
CueAuditionPlayPause				
CueAuditionFastForward				
CueAuditionEnd				
CueAuditionReviewStart				
CueAuditionReviewEnd				
CueBrowse				
CueSelect				
CueSelectNext	Fast Forward	4	4	
CueSelectPrev	Rewind	5	5	
CueSelectNextScene				
CueSelectPrevScene				
CueListSelect				
CueListSelectNext	Variable Play	69	45	positive value
CueListSelectPrev	Variable Play	69	45	negative value
CueListSelectToggle	Eject	10	A	
HotCueListSelect				
HotCueListSelectNext				
HotCueListSelectPrev				
HotCueListSelectToggle				
CueListFireStart				
CueListStart				
CueListPause				
CueListStop				
CueListChase				
CueListChaseToggle				
ShowInit				
ShowStart				
ShowPause				
ShowStop				
ShowReset				
OK				
Cancel				
SendModifierKey				
SendVirtualKey				
Undo				
Cut				
Copy				
Paste				
Save				
SetMasterOutputGain				
MuteMasterOutput				



GM Media Sequencer Commands Mapping

Ovation Media Sequencer Commands	Command	Data 1	Data 2	Comments
CueFire	Control Change	mappable		
CueFireSequenced	Control Change	mappable		
CuePause	Control Change	mappable		
CueStop	Control Change	mappable		
CueStopAll	Control Change	mappable		
CueHotPress	Control Change	mappable	0 = down otherwise up	
CueAudition	Control Change	mappable		
CueAuditionStart	Control Change	mappable		
CueAuditionRewind	Control Change	mappable		
CueAuditionStop	Control Change	mappable		
CueAuditionPlayPause	Control Change	mappable		
CueAuditionFastForward	Control Change	mappable		
CueAuditionEnd	Control Change	mappable		
CueAuditionReviewStart	Control Change	mappable		
CueAuditionReviewEnd	Control Change	mappable		
CueBrowse	Control Change	mappable		
CueSelect	Control Change	mappable	the Cue #	
CueSelectNext	Control Change	mappable		
CueSelectPrev	Control Change	mappable		
CueSelectNextScene	Control Change	mappable		
CueSelectPrevScene	Control Change	mappable		
CueListSelect	Control Change	mappable	the Cue List #	
CueListSelectNext	Control Change	mappable		
CueListSelectPrev	Control Change	mappable		
CueListSelectToggle	Control Change	mappable		
HotCueListSelect	Control Change	mappable	the Cue List #	
HotCueListSelectNext	Control Change	mappable		
HotCueListSelectPrev	Control Change	mappable		
HotCueListSelectToggle	Control Change	mappable		
CueListFireStart	Control Change	mappable		
CueListStart	Control Change	mappable		
CueListPause	Control Change	mappable		
CueListStop	Control Change	mappable		
CueListChase	Control Change	mappable	0 = Chase On otherwise Chase Off	
CueListChaseToggle	Control Change	mappable		
ShowInit	Control Change	mappable		
ShowStart	Control Change	mappable		
ShowPause	Control Change	mappable		
ShowStop	Control Change	mappable		
ShowReset	Control Change	mappable		
OK	Control Change	mappable		
Cancel	Control Change	mappable		
SendModifierKey	Control Change	mappable		
SendVirtualKey	Control Change	mappable		
Undo	Control Change	mappable		
Cut	Control Change	mappable		
Copy	Control Change	mappable		
Paste	Control Change	mappable		
Save	Control Change	mappable		
SetMasterOutputGain	Control Change	mappable	The master gain fader position 0 = Mute	
MuteMasterOutput	Control Change	mappable	0 = Unmute otherwise Mute	

Note: Data 1 is a range of values from 0 to 63



GM Media Server Commands Mapping

Ovation Media Server Commands	GM Command	Data 1	Comments
CueAddAudio			
CueAddVideo			
CueLoad			
CueUnload			
CueMakeReady			
CueFire	Note On	the Cue #	depends on the Note On option
CueFireSequenced			
CuePause	Note Off	the Cue #	depends on the Note Off and Note On option
CueStop	Note Off	the Cue #	depends on the Note Off and Note On option
CueStopAll			
CueDim			
CueUnDim			
CueHotPress	Note On / Note Off	the Cue #	depends on the Note On option
CueAudition			
CueAuditionStart			
CueAuditionRewind			
CueAuditionStop			
CueAuditionPlayPause			
CueAuditionFastForward			
CueAuditionEnd			
CueAuditionReviewStart			
CueAuditionReviewEnd			
CueBrowse			
CueSelect			
CueSelectNext			
CueSelectPrev			
CueSelectNextScene			
CueSelectPrevScene			
CueListSelect	Program Change	the CueList #	
CueListSelectNext			
CueListSelectPrev			
CueListSelectToggle			
HotCueListSelect			
HotCueListSelectNext			
HotCueListSelectPrev			
HotCueListSelectToggle			
CueListFireStart			
CueListStart			
CueListPause			
CueListStop			
CueListSetTime			
CueListChase			
CueListChaseToggle			
ShowInit			
ShowStart			
ShowPause			
ShowStop			
ShowReset			
OK			
Cancel			
SendModifierKey			
SendVirtualKey			
Undo			
Cut			
Copy			
Paste			
Save			
SetMasterOutputGain			
MuteMasterOutput			

Note: The MIDI channel is the **Cue list Id** or is ignored and the Selected Cue List is targeted. An option is available.



Appendix IV

DMX Commands

Under Construction



Appendix V

GPI Commands

Ovation Media Server Commands	GPI Media Server Mapping				
	Param 1	Param 2	Param 3	Param 4	Comments
CueAddAudio	CueList #	Cue #	Cue Sub#1	Cue Sub#2	
CueAddVideo	CueList #	Cue #	Cue Sub#1	Cue Sub#2	
CueLoad	CueList #	Cue #	Cue Sub#1	Cue Sub#2	
CueUnload	CueList #	Cue #	Cue Sub#1	Cue Sub#2	
CueMakeReady	CueList #	Cue #	Cue Sub#1	Cue Sub#2	
CueFire	CueList #	Cue #	Cue Sub#1	Cue Sub#2	
CueFireSequenced	CueList #	Cue #	Cue Sub#1	Cue Sub#2	
CuePause	CueList #	Cue #	Cue Sub#1	Cue Sub#2	
CueStop	CueList #	Cue #	Cue Sub#1	Cue Sub#2	
CueStopAll					
CueDim	CueList #	Cue #	Cue Sub#1	Cue Sub#2	
CueUnDim	CueList #	Cue #	Cue Sub#1	Cue Sub#2	
CueHotPress	CueList #	Cue #	Cue Sub#1	0 = Down otherwise Up	
CueAudition	CueList #	Cue #	Cue Sub#1	Cue Sub#2	
CueAuditionStart	CueList #	Cue #	Cue Sub#1	Cue Sub#2	
CueAuditionRewind	CueList #	Cue #	Cue Sub#1	Cue Sub#2	
CueAuditionStop	CueList #	Cue #	Cue Sub#1	Cue Sub#2	
CueAuditionPlayPause	CueList #	Cue #	Cue Sub#1	Cue Sub#2	
CueAuditionFastForward	CueList #	Cue #	Cue Sub#1	Cue Sub#2	
CueAuditionEnd	CueList #	Cue #	Cue Sub#1	Cue Sub#2	
CueAuditionReviewStart	CueList #	Cue #	Cue Sub#1	Cue Sub#2	
CueAuditionReviewEnd	CueList #	Cue #	Cue Sub#1	Cue Sub#2	
CueBrowse	CueList #	Cue #	Cue Sub#1	Cue Sub#2	
CueSelect	CueList #	Cue #	Cue Sub#1	Cue Sub#2	
CueSelectNext	CueList #				
CueSelectPrev	CueList #				
CueSelectNextScene	CueList #				
CueSelectPrevScene	CueList #				
CueListSelect	CueList #				
CueListSelectNext					
CueListSelectPrev					
CueListSelectToggle					
HotCueListSelect	CueList #				
HotCueListSelectNext					
HotCueListSelectPrev					
HotCueListSelectToggle					
CueListFireStart	CueList #	Cue #	Cue Sub#1	Cue Sub#2	
CueListStart	CueList #				
CueListPause	CueList #				
CueListStop	CueList #				
CueListSetTime	CueList #				
CueListChase	CueList #			Chase Off = 0 otherwise Chase On	
CueListChaseToggle	CueList #				
ShowInit					
ShowStart					
ShowPause					
ShowStop					
ShowReset					
OK					
Cancel					
SendModifierKey	Modifier Key Code	Release=0 otherwise Pressed			
SendVirtualKey	Virtual Key Code	Release=0 otherwise Pressed			
Undo					
Cut	CueList #				
Copy	CueList #				
Paste	CueList #				
Save					
SetMasterOutputGain	Gain [dB]				
MuteMasterOutput	Unmute = 0 otherwise Mute				



Parameters Explanation:

CueList # *If CueList # equals OVSELECTED (-1) then the currently selected CueList in the Sequencer is used for the command
Otherwise the Cue List Number as displayed in the Ovation Sequencer*

Cue # *If Cue # equals OVSELECTED (-1) then the currently selected Cue in the Sequencer is used for the command*

Modifier Key Code:	OVCCMK_CONTROL	1
	OVCCMK_SHIFT	2
	OVCCMK_ALT	3
	OVCCMK_FADE	2 (= OVCCMK_SHIFT)
	OVCCMK_RESET_PLAY	4
	OVCCMK_PLAY_STOP	5
	OVCCMK_PLAY_PAUSE	6
	OVCCMK_PLAY_DEPRESS_STOP	7
	OVCCMK_PLAY_DEPRESS_PAUSE	8

Virtual Key Code: *Any valid Windows Virtual Key Code*



Appendix VI

Mouse Modifier Keys

This table shows the valid modifier keys which can be used in conjunction with some mouse operations

Show Control

Under construction

Hot Key Mode

Click on a Cue Fire Button

Fire Cue following Cue Properties Hot Key Mode	None
Fire Cue following inverse of Cue Properties Hot Key Mode (for example Toggle Play / Stop becomes Press Play / Release Stop)	Ctrl
Force Stop	Alt
Add default Fade In and Out	Shift



Appendix VII

I/O Daughter-card Options

ADAT Optical I/O

The ADAT Optical daughter card offers 16 channels of audio input and 16 channels of audio output, 8 channels per optical connection. From top to bottom of the card, it has two digital optical input connectors (Inputs A and B) and two digital optical output connectors (Outputs A and B).

The signal format of optical connectors Input A and Output A can be set inside the Pyramix software to operate in either ADAT or S/PDIF mode. When in ADAT mode, there are 8 discrete audio channels carried per each optical connector. S/PDIF mode has 2 channels per optical connector.

Note: in SPDIF mode the maximum sampling rate is limited to 48 kHz. Please also note that whilst the ADAT daughterboard continues to function normally in HDTDM (64 bus) mode it cannot be used for input when in XDTDM (128 bus) mode and is then only capable of 8 outputs via Optical Output A with the same 8 duplicated on Optical Output B.

WARNING! The **ADAT** Daughterboard requires modification before use with XDTDM mode. Failure to do this may result in data loss. Please contact your Merging Technologies Sales Partner to arrange a mod.

AES/EBU I/O

The AES/EBU daughter card offers 24 channels of I/O over 12 AES/EBU input and output pairs. Connection is via three DB-25 connectors, One on the main card attached to the **Mykerinos** and two more on a separate bracket connected via internal ribbon cable to the main card. An optional break-out cable can be ordered separately which connects to the DB-25 connector and terminates in 8 XLR connectors which may be used to connect to standard AES/EBU stereo inputs and outputs. AES daughter cards are available with or without 8 channels of SRC (sample rate conversion)

Dual DC I/O

The Dual DC offers up to 12 inputs and outputs at 32kHz, 44.1kHz or 48kHz sampling rates on a single board. All converters are 24 bit. Connection is via 2 DB-25 connectors. One, on the main card attached to the **Mykerinos**, carries the analog I/O and the second, on a separate bracket, carries four AES/EBU Input and Output stereo pairs. There are four analogue Line outputs and four analogue Line Inputs, two of which may be switched to accept Mic or Line level inputs. These have Mic pre-amps and 48V phantom powering. The analogue Line level I/O is adjustable over a 24dB range to accommodate all standard studio levels. Optional break-out cables can be ordered separately which connect to the DB-25 connectors and terminate in 8 XLR connectors.

The Dual DC is the most cost-effective I/O daughter card for Pyramix users. It is an ideal I/O solution for mixed analog/digital requirements, as encountered in Broadcast production, and Video post-production environments. It allows direct connection of up to two dynamic or condenser microphones, typically for quick and easy voice-over recording.

Note: the Dual DC I/O daughterboard is not HDTDM bus compatible and can not be used in a multiboard setup.

MADI I/O

The MADI daughter card offers 56 channels of 24 bit bi-directional I/O, and up to 64 channels in MADI-X (MADI Extended) format. It can be ordered either in a BNC coaxial version or an optical duplex SC version. Both versions are fitted with a standard Wordclock BNC I/O connector, which can be programmed in the Pyramix software as a Wordclock In or Out signal.

SDIF I/O

The Mykerinos SDIF daughter board is specially designed for multi-track DSD recording. It offers 8 channels of DSD digital input over 8 unbalanced, 75 Ohm terminated BNC connectors and 8 channels of DSD digital output over 8 unbalanced, 75 Ohm BNC connectors. One channel of DSD signal is transported at the bit-rate of 2.82 MHz through



each BNC connector. SDIF-2 and SDIF-3 format are fully supported for DSD transport (selected under software control)

With one Mykerinos board, it is only possible to use one DSD Input and Output channel. To have the full range of 8 I/O channels, a second Mykerinos board is required to provide sufficient DSP power.

TASCAM TDIF

The TASCAM TDIF daughter card offers 24 channels of I/O over 3 Tascam TDIF connections. Connection is via three DB-25 connectors, One on the main card attached to the Mykerinos and two more on a separate bracket connected via internal ribbon cable to the main card.

TASCAM TDIF I/O Option

A TASCAM TDIF format option bracket may be added to the ADAT I/O daughtercard and provides is available for 8 channels of TDIF I/O. The TDIF bracket connects to a socket on the ADAT card only. This daughter card cannot be used in multi-board systems (since it utilizes the HTDM connector).

Appendix IIX

Web Server Commands

Please zoom in to view comfortably.

HTTP Media Sequencer Map

Definition of Commands and Parameters for controlling Ovation as a Media Sequencer through HTTP Commands

Ovation Media Sequencer Commands	Command	Parameter 2	Parameter 3	Parameter 4	Parameter 5
CueFire	<IP>:<Port>/Action?Command=Cue_Fire	&CueList=<CueList> (*)	&Cue=<Cue> (*)	&Time=<n [ms]> (*)	&TimeOffset=<n [ms]> (*)
CueFireSequenced	<IP>:<Port>/Action?Command=Cue_FireSequenced	&CueList=<CueList> (*)	&Cue=<Cue> (*)		
CuePause	<IP>:<Port>/Action?Command=Cue_Pause	&CueList=<CueList> (*)	&Cue=<Cue> (*)	&Time=<n [ms]> (*)	&TimeOffset=<n [ms]> (*)
CueStop	<IP>:<Port>/Action?Command=Cue_Stop	&CueList=<CueList> (*)	&Cue=<Cue> (*)	&Time=<n [ms]> (*)	&TimeOffset=<n [ms]> (*)
CueStopAll	<IP>:<Port>/Action?Command=Cue_StopAll				
CueHotPress	<IP>:<Port>/Action?Command=Cue_HotPress	&CueList=<CueList> (*)	&Cue=<Cue> (*)	&Pressed=1 or 0	
CueAudition	<IP>:<Port>/Action?Command=Cue_Audition	&CueList=<CueList> (*)	&Cue=<Cue> (*)		
CueAuditionStart					
CueAuditionRewind					
CueAuditionStop					
CueAuditionPlayPause					
CueAuditionFastForward					
CueAuditionEnd					
CueAuditionReview Start					
CueAuditionReview End					
CueBrowse					
CueSelect	<IP>:<Port>/Action?Command=Cue_Select	&CueList=<CueList> (*)	&Cue=<Cue> (*)		
CueSelectNext	<IP>:<Port>/Action?Command=Cue_Select_Next	&CueList=<CueList> (*)			
CueSelectPrev	<IP>:<Port>/Action?Command=Cue_Select_Prev	&CueList=<CueList> (*)			
CueSelectNextScene	<IP>:<Port>/Action?Command=Cue_Select_NextScene	&CueList=<CueList> (*)			
CueSelectPrevScene	<IP>:<Port>/Action?Command=Cue_Select_PrevScene	&CueList=<CueList> (*)			
CueListSelect	<IP>:<Port>/Action?Command=CueList_Select	&CueList=<CueList> (*)			
CueListSelectNext	<IP>:<Port>/Action?Command=CueList_Select_Next				
CueListSelectPrev	<IP>:<Port>/Action?Command=CueList_Select_Prev				
CueListSelectToggle	<IP>:<Port>/Action?Command=CueList_Select_Toggle				
HotCueListSelect	<IP>:<Port>/Action?Command=HotCueList_Select	&CueList=<CueList> (*)			
HotCueListSelectNext	<IP>:<Port>/Action?Command=HotCueList_Select_Next				
HotCueListSelectPrev	<IP>:<Port>/Action?Command=HotCueList_Select_Prev				
HotCueListSelectToggle	<IP>:<Port>/Action?Command=HotCueList_Select_Toggle				
CueListFireStart	<IP>:<Port>/Action?Command=CueList_FireStart	&CueList=<CueList> (*)	&Cue=<Cue> (*)		
CueListStart	<IP>:<Port>/Action?Command=CueList_Start	&CueList=<CueList> (*)			
CueListPause	<IP>:<Port>/Action?Command=CueList_Pause	&CueList=<CueList> (*)			
CueListStop	<IP>:<Port>/Action?Command=CueList_Stop	&CueList=<CueList> (*)			
CueListChase	<IP>:<Port>/Action?Command=CueList_Chase	&CueList=<CueList> (*)	&ChaseOn=1 or 0		
CueListChaseToggle	<IP>:<Port>/Action?Command=CueList_ChaseToggle	&CueList=<CueList> (*)			
CueListSetTime	<IP>:<Port>/Action?Command=CueList_SetTime	&CueList=<CueList> (*)	&Time=<n [ms]>		
ShowInit	<IP>:<Port>/Action?Command=Show_Init				
ShowStart	<IP>:<Port>/Action?Command=Show_Start				
ShowPause	<IP>:<Port>/Action?Command=Show_Pause				
ShowStop	<IP>:<Port>/Action?Command=Show_Stop				
ShowReset					
OK					
Cancel					
SendModifierKey					
SendVirtualKey					
Undo					
Cut					
Copy					
Paste					
Save					
SetMasterOutputGain	<IP>:<Port>/Action?Command=Master_OutputGain	&Gain=<n [dB]>			
MuteMasterOutput	<IP>:<Port>/Action?Command=Master_Mute	&Mute=1 or 0			

Parameter details:

(*)	Optional parameter
<IP>	IP Address of the machine running the Ovation Sequencer
<Port>	Port number as set in the Ovation All Settings > Controller Units > Proprietary > Web Server Page > HTTP Port
<CueList>	The Cue List Index (0 based, i.e. Cue List Number - 1) -1 indicates the currently selected Cue List (Default if the <CueList> parameter is not set)
<Cue>	The Cue Number, for example Cue=1.1.2 or Cue=3.4.2.5 -1 indicates the currently selected Cue, for example Cue=-1 (Default if the <Cue> parameter is not set) -2 in the second sub digit indicates that the first digit is the Cue Index in the Cue List instead of the Cue Number, for example Cue=5.-2
Time	Absolute Time in [ms] when the Command will be executed. This Time relates to the Show Time.
TimeOffset	Relative Time in [ms] when the Command will be executed counting from when the command is issued
Fade	Fade Time in [ms]
ProgressOffsetTime	Time in [ms] from the beginning of the Cue to start playing the Cue when Fired

HTTP Media Server Map

Definition of Commands and Parameters for controlling Ovation as a Media Server through HTTP Commands

Ovation Media Sequencer Commands	Command	Parameter 2	Parameter 3	Parameter 4	Parameter 5
CueAddAudio CueAddVideo	<IP>:<Port>/Action?Command=Cue_Fire	&CueList=<CueList> (*)	&Cue=<Cue> (*)	&Time=<n [ms]> (*)	&TimeOffset=<n [ms]> (*)
CueLoad CueUnload					
CueFire CueFireSequenced	<IP>:<Port>/Action?Command=Cue_Fire	&CueList=<CueList> (*)	&Cue=<Cue> (*)	&Time=<n [ms]> (*)	&TimeOffset=<n [ms]> (*)
CuePause	<IP>:<Port>/Action?Command=Cue_Pause	&CueList=<CueList> (*)	&Cue=<Cue> (*)	&Time=<n [ms]> (*)	&TimeOffset=<n [ms]> (*)
CueStop	<IP>:<Port>/Action?Command=Cue_Stop	&CueList=<CueList> (*)	&Cue=<Cue> (*)	&Time=<n [ms]> (*)	&TimeOffset=<n [ms]> (*)
CueStopAll	<IP>:<Port>/Action?Command=Cue_StopAll				
CueDim CueUnDim	<IP>:<Port>/Action?Command=Cue_Dim	&CueList=<CueList> (*)	&Cue=<Cue> (*)	&Time=<n [ms]> (*)	&TimeOffset=<n [ms]> (*)
CueHotPress	<IP>:<Port>/Action?Command=Cue_HotPress	&CueList=<CueList> (*)	&Cue=<Cue> (*)	&Pressed=1 or 0	
CueAudition CueAuditionStart CueAuditionRewind CueAuditionStop CueAuditionPlayPause CueAuditionFastForward CueAuditionEnd CueAuditionReviewStart CueAuditionReviewEnd CueBrowse	<IP>:<Port>/Action?Command=Cue_Audition	&CueList=<CueList> (*)	&Cue=<Cue> (*)		
CueSelect CueSelectNext CueSelectPrev CueSelectNextScene CueSelectPrevScene	<IP>:<Port>/Action?Command=Cue_Select	&CueList=<CueList> (*)	&Cue=<Cue> (*)		
CueListSelect CueListSelectNext CueListSelectPrev CueListSelectToggle	<IP>:<Port>/Action?Command=CueList_Select	&CueList=<CueList> (*)			
HotCueListSelect HotCueListSelectNext HotCueListSelectPrev HotCueListSelectToggle	<IP>:<Port>/Action?Command=HotCueList_Select	&CueList=<CueList> (*)			
CueListFireStart CueListStart CueListPause CueListStop CueListChase CueListChaseToggle CueListSetTime	<IP>:<Port>/Action?Command=CueList_FireStart	&CueList=<CueList> (*)	&Cue=<Cue> (*)		
ShowInit ShowStart ShowPause ShowStop ShowReset	<IP>:<Port>/Action?Command=Show_Init				
OK Cancel					
SendModifierKey SendVirtualKey					
Undo Cut Copy Paste Save					

Parameters details:

(*)	Optional parameter
<IP>	IP Address of the machine running the Ovation Sequencer
<Port>	Port number as set in the Ovation All Settings > Controller Units > Proprietary > Web Server Page > HTTP Port
<CueList>	The Cue List Index (0 based, i.e. Cue List Number - 1) -1 indicates the currently selected Cue List (Default if the <CueList> parameter is not set)
<Cue>	The Cue Number, for example Cue=1.1.2 or Cue=3.4.2.5 -1 indicates the currently selected Cue, for example Cue=-1 (Default if the <Cue> parameter is not set) -2 in the second sub digit indicates that the first digit is the Cue Index in the Cue List instead of the Cue Number, for example Cue=5.-2
Time	Absolute Time in [ms] when the Command will be executed. This Time relates to the Show Time.
TimeOffset	Relative Time in [ms] when the Command will be executed counting from when the command is issued
Fade, FadeIn, FadeOut	Fade Time in [ms]
ProgressOffsetTime	Time in [ms] from the beginning of the Cue to start playing the Cue when Fired
PathName	URLs or PathNames can optionally be converted with escaped characters (for example White Spaces = %20)



HTTP Request Response

Show Request Command:

<IP>:<Port>/Request?Show

JSON Response:

Comments

```
{
  Host : "192.168.1.34:888",
  Show :
    {
      Title : "Test.ovs",
      PathName : "D:\Projects\Ovation\Test.ovs",
      ShowTimeCueFireButtons : 0,
      State : "Running",
      ShowTime : "00:00:02",
      TimeCodes :
        [
          {
            Name : "LTC 1",
            Type : "Generator",
            TimeCode : "00:01:09:00"
          },
          {
            Name : "MTC 1",
            Type : "Source",
            TimeCode : "00:00:00:00"
          }
        ],
      CueLists :
        [
          {
            Index : 0,
            Name : "Standard Cue List",
            Number : "1",
            Mode : 0,
            HotKeysColumns : -1,
            Selected : 1,
            HotSelected : 0,
            TitleColor : "60e6b4",
            Cues :
              [
                {
                  Index : 0,
                  Name : "11 Don't Kill It Carol",
                  Number : "1",
                  GoTime : "Invalid",
                  Selected : 1,
                  Length : "00:06:14",
                  State : "Ready",
                  StateBackgroundColor : "a495b2",
                  StateBorderColor : "a495b2",
                  Progress : 0,
                  Percent : 0,
                  ProgressCounters : ""
                }
              ]
          },
          {
            Index : 1,
            Name : "Timed Cue List",
            Number : "2",
            Mode : 1,
            HotKeysColumns : -1,
            Selected : 0,
            HotSelected : 0,
            CueListTime : "00:00:00",
            Chasing : 0,
            Running : 0,
            Paused : 0,
            TitleColor : "000000",
            Cues :
              [
                {
                  Index : 0,
                  Name : "Million Miles From Home",
                  Number : "1",
                  GoTime : 00:01:00:000,
                  Selected : 1,
                  Length : "00:03:58",
                  State : "Asleep",
                  StateBackgroundColor : "9f9b93",
                  StateBorderColor : "9f9b93",
                  Progress : 0,
                  Percent : 0,
                  ProgressCounters : ""
                }
              ]
          }
        ]
    }
}
```

Continued on next page:



```
Index : 2,  
Name : "Hot Keys",  
Number : "3",  
Mode : 2,  
HotKeysColumns : -1,  
Selected : 0,  
HotSelected : 1,  
TitleColor : "000000",  
Cues :  
    [  
        {  
            Index : 0,  
            Name : "Trust_Antisocial",  
            Number : "1",  
            GoTime : "Invalid",  
            HotKeyNumber : 1,  
            HotRectLeft : 8,  
            HotRectRight : 207,  
            HotRectTop : 8,  
            HotRectBottom : 207,  
            Selected : 1,  
            Length : "00:04:32",  
            State : "Ready",  
            StateBackgroundColor : "b26f43",  
            StateBorderColor : "b26f43",  
            Progress : 0, Percent  
            ProgressCounters : ""  
        }  
    ]  
}
```

Hot Keys Cue List

```
Index : 3,  
Name : "Custom Cue List",  
Number : "4",  
Mode : 3,  
HotKeysColumns : -1,  
Selected : 0,  
HotSelected : 0,  
TitleColor : "000000",  
Cues :  
    [  
        {  
            Index : 0,  
            Name : "19 Banquet",  
            Number : "3.2",  
            GoTime : "Invalid",  
            CustomRectLeft : 60,  
            CustomRectRight : 360,  
            CustomRectTop : 40,  
            CustomRectBottom : 140,  
            CustomColor : "00cc99",  
            CustomFont : "",  
            CustomFontColor : "000000",  
            Selected : 1,  
            Length : "00:05:15",  
            State : "Ready",  
            StateBackgroundColor : "008e6b",  
            StateBorderColor : "008e6b",  
            Progress : 0, Percent  
            ProgressCounters : ""  
        }  
    ]  
}
```

Custom Keys Cue List

```
    ShowDirty : 1  
}
```

*Show has changed
meaning that a Show Request
is required when received in a
Cues_Status response*



Cues Status Request Command:

<IP>:<Port>/Request?Cues_Status

JSON Response:

Comments

```
{
  Host : "192.168.1.34:888",
  Show :
    {
      State : "Running",
      ShowTime : "00:01:44",
      TimeCodes :
        [
          {
            Name : "LTC 1",
            Type : "Generator",
            TimeCode : "00:01:09:00"
          },
          {
            Name : "MTC 1",
            Type : "Source",
            TimeCode : "00:00:00:00"
          }
        ],
      CueLists :
        [
          {
            Index : 0,
            Name : "Standard Cue List",
            Number : "1",
            Mode : 0,
            Selected : 1,
            HotSelected : 0,
            TitleColor : "60e6b4",
            Cues :
              [
                {
                  Index : 0,
                  Selected : 1,
                  Length : "00:06:14",
                  State : "Playing",
                  StateBackgroundColor : "45b259",
                  StateBorderColor : "45b259",
                  Progress : 6, Percent
                  ProgressCounters : "00:00:23 - 00:05:50"
                }
              ]
          },
          {
            Index : 1,
            Name : "Timed Cue List",
            Number : "2",
            Mode : 1,
            Selected : 0,
            HotSelected : 0,
            CueListTime : "00:00:00",
            Chasing : 0,
            Running : 0,
            Paused : 0,
            TitleColor : "000000",
            Cues :
              [
                ]
          },
          {
            Index : 2,
            Name : "Hot Keys",
            Number : "3",
            Mode : 2,
            Selected : 0,
            HotSelected : 1,
            TitleColor : "000000",
            Cues :
              [
                ]
          },
          {
            Index : 3,
            Name : "Custom Cue List",
            Number : "4",
            Mode : 3,
            Selected : 0,
            HotSelected : 0,
            TitleColor : "000000",
            Cues :
              [
                ]
          }
        ]
      ShowDirty : 0
    }
}
```





Index



A

- AAC 194
- Active Cue
 - Show Mode 80
 - Show Mode With Merged Toolbars 81
- Active Cue Window 75
 - 82
 - Compose Mode 75
 - Cue Trimmer 78
 - Locked Mode 77
 - Pinned Mode 75
 - Review while trimming 79
 - Show Mode 80
 - Trim In/Out Audition Timings 156
 - Trim with the Mouse 79
- Advanced Features 202
- Appendix 1 209
- Appendix I
 - OVController Commands 209
- Appendix II
 - Keyboard Controller Commands Map 214
- Appendix II The Ovation Keyboard OVController Commands Map 214
- Appendix III
 - MIDI and Midi Show Control Commands Mapping 217
- Appendix III MIDI and Midi Show Control OVController Commands Map 217
- Appendix IV
 - DMX Commands 225
- Appendix IV DMX Commands 225
- Appendix V
 - GPI Commands 226
- Appendix V GPI Commands 226
- Appendix VI
 - Mouse Modifier Key 228
- Appendix VII
 - I/O Daughter-card Options 229
- Application Delay Launch 90
- Application Settings 152
 - General 152
- Archive 118
- ASIO Bridge 55
- Audio 28
- Audio Connections 187
- Audio Control 119
- Audio Control Pane 119
- Audio File Support 194
- Audio Formats Supported 11
- Audio Gain Matrix 124
- Audio Output Slots 123
- Audio Synchronization 140
- Audition 31
 - Player Settings 155

- Selected Cue 31

- Audition Drop-down 67
- Audition Jump 32, 66
- Audition Toolbar 66, 79
- Auto Start Show 90
- Automatic Cue Numbering 94
- Automation 28, 51
 - Apply Snapshot 53
 - Copy and Paste Snapshot 53
 - Erase a Snapshot 53
 - Glide 53
 - Store a Snapshot 52

B

- Backup/Archive 118

C

- CD Import
 - Online database of track names 48
- CD Tracks
 - Import 43
- CD Tracks Import 46
- Changing Keyboard Mapping 215
- Changing or re-entering a Key 190
- Chase Timed List 26
- Codecs 194
- Column to Audio Slot Mapping 95
- Combined Panes 64
- Commands 28
- Compose Mode 30
- Compound Cues 50
- Compressed Audio File Formats 194
- Compressed Audio Formats Mounting Rules 195
- Compressed Audio Support 194
- Compressed Media 154
- Computer 185
- Conditional Rules 112
- Consolidation
 - Recursive 118
 - Show 115
- Consolidation Process 115
- Context Menu
 - Cue / Cue List 43
- Context Menus 60
- Control Surfaces 60
- Controlled Stations Settings 165
- Controller 205
 - Buttons and Toolbars 206
 - Menus 207
- Controller Settings 165
- Controller Units
 - GPI 176
 - Proprietary 166



- Settings 165
- Conventions 12
- Create Cue List Toolbar 72
- cross-fade 112
- Cue
 - Audio Gain Matrix 124
 - Red Border 34
- Cue / Cue List Context Menu 43
- Cue # corresponds to the Cue I 177
- Cue # corresponds to the Cue Inde 177
- Cue Audition Settings 155
- Cue Browser Cue List 41
- Cue Capabilities 49
- Cue Fire Buttons 34, 91
- Cue Gain 120
- Cue List
 - Detail 36
 - Pane 32
 - Properties 93
 - Selecting 36
 - Types 35
- Cue List Menu 130
- Cue List Properties 93
 - Audio Section 96
 - Cue List Section 93
 - Custom Keys Section 95
 - Hot Keys Section 94
 - TimeCode Generator Section 94
 - Timed Cue List Section 94
- Cue List Toolbar 71
- Cue Lists 31
 - Hidden 94
 - Multiple 31
- Cue Menu 132
- Cue Properties 97
 - Audio Section 101
 - COM Command Section 104
 - Cue Section 98
 - Custom Key Section 100
 - GPO Section 104
 - Hot Key Section 99
 - IP Command Section 104
 - Markers Section 98
 - Microphone Switch Section 101
 - MIDI Command Section 102
 - MIDI File Section 102
 - Mixer Automation Section 106
 - MMC Section 102
 - Shell Command / Script / Batch Section 105
 - Sony P2 / RS422 Section 104
 - TimeCode Generator Section 102
 - Timed Cue Section 99
- Cue Toolbar 72
- Cue Trimmer 78
- Cuelist
 - Fire Toolbar 35
- Cues 42
 - Changing Properties for Multiple Cues 184

- Compound 50
- Copying 43
- Empty 50
- GPI 50
- Microphone Switch 50
- MIDI 50
- Mixer Automation 50
- Multiple, Changing Properties 184
- Selecting 43
- Custom Keyboard Shortcuts 200
- Custom Keys
 - Color and Font 39
 - Design Mode 39
 - Grid Size 39
- Custom Keys Cue List 39

D

- Dataton Synchronization 50, 109, 176
- Default 183
 - Stop Fade Out 183
- Default Clock Source 51
- Default Keyboard Shortcuts 196
- Default Player 183
- Delay Compensation Policy 147
- Delay Launch 28, 90
- Digital Audio Synchronization and TimeCode 188
- Disable Mix Down 145
- Disable Punch in/out 145
- DMX 512 / CMX Lighting Control 28
- DMX Commands 225
- Do you want to save routing? 193
- Documentation 12
- Drag & Drop 183
- drag and drop 43
- Driver Signing 189
- DSD Peak Filter 144
- DSP Power Saving 145
- DSP Time Saving 145

E

- Edit Toolbar 32
- Editing with Pyramix 55
- Effective Sampling Rate 140
- Effective TC Frame Rate 140
- Effective Video Frame Rate 140
- EMC Mixer remote control configuration 150
- Emergency - Show Menus and Toolbars 74
- Empty Cue
 - Long 33
 - Short 33
- Empty Cues 50
- Enabling Ovation 190
- Entering Keys 190
- Ethernet 161
- Evaluation Mode 11



External Applications 54
External Audio D/A-A/D Converter Boxes 186

F

Fade Modifier 183
Files
 Ovation 128
Fire 134
Fire Buttons, Cue 34
Fire Command 60
Fire Toolbar 73
Fire/Start Timed List 27
First launch
 Multi-board system 192
flac 194
FLAC Decoding 194
Flashing Mode 91
Focused Cue Flashing Mode 91
Formats & Sync 139
 Presets 140
Frequencies 140

G

Gain Matrix 124
General MIDI Command 50, 106
General MIDI Media Sequencer Mode Commands Mapping 220
General MIDI Media Server Mode Commands Mapping 221
General Settings 139
GM Media Sequencer Commands Mapping 223
GM Media Server Commands Mapping 224
GPI Commands 226
GPI Trigger Options 178
GPI/O Interfaces 163
GPO Cue Properties 104
GPO output 28

H

Hard Disk Space Requirements 185
HDTDM 186
Help 12, 136
HeptaCon Sample Rate Converter. 153
Hot Browser Cue List 42
Hot Cues - Stopping 37
Hot Keys
 Column to Audio Slot Mapping 38
Hot Keys Column to Audio Slot Mapping 95
Hot Keys Cue List 37
 Columns 38
 Design Mode 37
Hot Keys Mode 22
HTTP Media Sequencer Map 231
HTTP Media Server Map 232

HTTP Request Response 233

I

I/O Interfaces 141
I/O Status Window 51
Icons
 Rules 113
Import CD Tracks 43
Import Key 190
Installer 189
Installing Ovation 189
Interaction Rules 110
Internal Buses 146
Internet Protocol Options 175
Introduction 10
IP
 Controller Unit Settings 175
 Player Unit settings 159
 port numbers 157
 TC/IP Connection Settings 156
IP Address / Server Name Considerations 157
IP Command 50, 107
iTunes 183

K

Keyboard Shortcuts 60, 196
 Custom 200
 Default 196

L

Latency 11
Launching Ovation 28
Level Meter 143
Link Offsets/Start Times 82
Link Offsets/StartTimes 134
Lock in Active Cue Window 77
Lock Mixer 90
Logging 91
Long Empty Cue 33
Looping 86
Loops 112

M

Main Window 61, 62
Marker Button 78
Markers 84
 in Cue Properties 85
 Interaction Rules 86
 Menu 84
Master Sync 140
Media 28
Media Management 29
Media Manager Settings 152
Media Sequencer Mode available Commands 210



Media Server Mode available Commands 212

Menu

- Cue 132
- Cue List 130
- Fire 134
- Help 136
- View 135

Menus 129

- Meter Alignment level 143
- Meter Decay integration time 144
- Meter Headroom setting 143
- Meter Permanent Overload 143
- Meter Permanent Peak 144
- Microphone Switch Cues 50
- MIDI and Midi Show Control OVController Commands Map 217
- MIDI Command 106
- MIDI Command Learn 107
- MIDI Connections 188
- MIDI output 28
- Midi Player Settings 158
- MIDI Settings Player Units 158
- Midi Show Control Media Sequencer Mode Commands Mapping 217
- Midi Show Control Media Server Mode Commands mapping 218
- Minimize Player 205, 208
- Mirror all Commands to Remote Ovation Sequencers 202
- Mixer 51
 - Configuration 16
 - Frozen 90
 - Lock 90
 - Record 59
 - Snapshot Automation 51
- Mixer Automation 106
- Mixer Automation Cues 50
- Mixer Settings 146
- Mixing Console
 - Remote Control 149
 - Settings 142
- MMC Media Sequencer Commands Mapping 222
- Modes 30
- Mouse Modifier Keys 60, 228
- Moving and Copying Cues 43
- MP3 194
- MT ASIO Bridge 55
- MT Security Settings 190
- Multi-board installation 186
- Multiple Cue Lists 31
- Multi-Sequencer Synchronization 29, 50, 92, 108
- Mykerinos 186
 - Back-plate 187
 - Board I/O 186
 - Board Installation 186

N

- Nested and Combined Panes 62
- Nested Panes 62
- New Show 14
- New Users 13
- Numeric Fields 88

O

- OASIS Mixer remote configuration 150
- Ogg Vorbis 194
- On-board Analog Audio I/O 186
- Operating System 185
- Other Applications 185
- Output Routing 17
- Output Slots 123
- OV Controller 205
 - Files 205
 - User Interface 206
- OV Player
 - Buttons and Toolbars 203
 - Files 202
 - Main Screen 203
 - Media Paths 153
 - Menus 204
 - Session menu 204
 - Toolbars 204
 - User Interface 203
- OV Players 202
- Ovation
 - Files 128
 - Menus 129
- Ovation Keyboard
 - Settings 166
- Ovation Keyboard Media Sequencer Mode Commands mapping 216
- Ovation Keyboard OVController Commands Map 214
- Ovation Webserver 179
- OVController
 - Buttons and Toolbars 206
 - Files 205
 - Help menu 208
 - Main Screen 206
 - Menus 207
 - User Interface 206
 - View menu 208
- OVController Commands 209
- Overview 11
- OVKeyboard Settings 166
- OVPlayer
 - Help menu 205
 - Session menu 207
 - View menu 205

P

- Packaging



- Show 115
- Packaging Process 116
- Panes 62
- Panning 17
- Parent Button 42
- Parent button 41
- Password 90
- Pause Timed List 27
- Peak and Overload Hold Time 143
- Peak level indicator 144
- Pin in Active Cue Window 75
- Player
 - Buttons and Toolbars 203
 - Default 183
 - Files 202
 - Menus 204
 - User Interface 203
- Player Units 157
 - COM 160
 - GPO 163
 - Settings 157
- Player/Recorder Mode 145
- Plug-ins Settings 148
- Power Management 185
- Precedence 88
- Properties Fields 88
- Properties Panes 88
- Pull-Down 141
- Pull-Up 141
- Pyramix
 - Clip Gain 56
 - Editing Cues in 55
 - Envelope 56

Q

- Query Database 48
- QUICKSTART 13

R

- RAP (Ross Audio Protocol) 151
- Real-time Sampling Rate Conversion 153
- Record Audio 57
- Record Mixer 59
- Recording 57
- Recursive Consolidation 118
- Redundant Control 202
- Refresh buton 41
- Refresh Button 42
- REMOTE CONTROL
 - Dataton Synchronization 50, 109
 - General MIDI Command 50, 106
 - IP Command 50, 107
 - Multi-Sequencer Synchronization 50, 108
- Remote Control 29
 - Mixing Console 149

- Remote Controlled Ovations 165
- replace audio 183
- Review while trimming 79
- Ross Audio Protocol 151
- Routing Settings 142
- Rule
 - Adding 111
 - Change Order 111
 - Removing 111
 - Updating 111
- Rules 183
 - at Marker 112
 - Conditional 112
 - Form 111
 - Loops 112
 - Shorthand 113

S

- Sample and TC Rate Warnings 140
- Sample Rate Converter 153
- Sampling Rate 140
- Sampling Rate Conversion 153
- Sampling Rate Mismatch 51
- Save Show As Template 129
- Save Special 129
- Scenes 51
- Scope 11
- Search Cues Function 41
- Security Keys 193
- Selecting Cues 43
- Settings 136, 137
 - Application 152
 - Compressed Media 154
 - Controller 165
 - Remote Controlled Ovations 165
 - Controller Units 165
 - COM 172
 - COM (RS422) 172
 - GPI 176
 - IP 175
 - MIDI 170
 - OVKeyboard 166
 - Proprietary 166
 - Web Server 168
 - Controller units
 - Proprietary 166
 - General 152
 - Audition 155
 - TC/IP Connections 156
 - Media Manager 152
 - Player Units 157
 - Ethernet 161



- GPO 163
- IP 159
- MIDI 158
- Player units
 - COM 160
 - Ethernet
 - Sony P2 over IP 162
- Buttons 138
- Overview 137
- Show 139
 - General 139
 - Formats & Sync 139
 - I/O Interfaces 141
 - Routing 142
 - Mixer
 - Plug-ins Settings 148
 - Mixing Console 142
 - Allocation 142
 - DSP Power Saving 145
 - Level Meter 143
 - Mixer Settings 146
 - Remote Control 149
 - TimeCode 142
 - Toolbar 74
- Settings hierarchy 183
- Shell Commands/Scripts/Batch files output 28
- Short Empty Cue 33
- Show 31
 - Auto Start 90
 - Consolidate 115
 - Consolidation 115
 - Controls 68
 - Package 116
 - Validation Tool 114
- Show Logging 91
- Show Menu 129
- Show Menus and Toolbars in Emergency 74
- Show Mode 30
- Show Password 90
- Show Properties 89
 - Multi-Sequencer Synchronization Section 92
 - Show Section 90
 - Show Start Time 90
 - Show Time Mode Section 90
 - Show Time Options 90
 - TimeCode Generator Section 91
- Show Toolbar 70
- Sibling 112
- Simple Rules 110
- Simple Show 13
- Slots Allocation 142
- Snapshot Automation 51

- Software Key 190
- Sony P2 / RS422 output 28
- Sony P2 over IP
 - Prerequisites 161
 - Settings 162
- Sony P2 Protocol controller 172
- Special Modes 145
- Standard Cue List 36
- Start Show 30
- Start Timed List 27
- Starting a Show With Sysex 184
- Starting Pyramix 193
- Stereo Pan Law 146
- Stop Timed List 27
- Stopping Hot Cues 37
- Strip Meters
 - Characteristics 143
- Support 12
- Suppress
 - Popups Confirmations 91
 - Saving Confirmations 91
 - Show Mode Confirmations 91
- Sync Input sources 51
- Sync Source Considerations 51
- Sync, Video and Time Code Connections 188
- System Requirements 185

T

- TASCAM TDIF I/O Option 230
- Time Code and Video Sync Option 187
- TimeCode Reader 121
- TimeCode Settings 142
- Timed Cue List 24, 37
- Timed List
 - Chase 26
 - Fire/Start 27
 - Pause 27
 - Start 27
 - Stop 27
- Tips and Tricks 183
- Toolbar
 - Create Cue List 72
 - Cue 72
 - Fire 73
 - Settings 74
- Toolbar Context Menu 65
- Toolbars 65
- ToolTips 12
- Triggering Hot Keys 39
- Trim with the Mouse 79

U

- User Interface 60
- User Interface Options 60



V

Varispeed 141
Video/TimeCode Synchronization 141
View Menu 135
Virtual COM Port selection conflict 157
VS3 Control Panel 55
VS3 control panel 193

W

Web Server
 Settings 168
Web Server Commands 231
Webserver 179

Y

YourPersonalKey 190