Pyramix 11 Release Notes

Installation

Please consult the Installation Guide located on the Pyramix Installation Media (USB Memory card) for details on the hardware and software installation procedure and Authorization Key registration process.

RAVENNA users will have to install the NET-MSC-GBEX1 PCIe Ethernet card provided by Merging Technologies. TURN YOUR COMPUTER OFF (shut down then switch the power off). Next plug the NET-MSC-GBEX1 card into one of the PCI-Express bus slots on your computer and turn the power back on. The NET-MSC-GBEX1 card will only be operational once the MassCore runtime is installed. Refer to the Pyramix Installation Guide for more details.

- To install the Pyramix Virtual Studio software insert the Pyramix Virtual Studio Installation Media - the installation program should auto-start.
- To install MassCore launch the MT Security Settings, go to the MassCore page and install the MassCore RunTime (a MassCore base key is required along with MassCore 64bit and a RTX64 3.0 key). Refer to installation guide for more details.

Updates

Please check our Web site **http://www.merging.com** periodically for information, patches and updates.

Pyramix v11 INSTALLER INFORMATION:

Pyramix v11 is compatible with the following OS
- Windows 7 Professional (64bit): MassCore/RAVENNA, Native & Native/RAVENNA ASIO
- Windows 10 Professional (64bit): MassCore/RAVENNA, Native & Native/RAVENNA ASIO

Notes:
- Pyramix v11 come with a new MassCore version RTX64 3.2 (based on RTX64 3.0 keys)
- The Pyramix v11 installer comes only as a 64bit version (64bit OS)
- Merging recommends users to first perform a Windows update prior to installing Pyramix v11. Note that under Windows 10 we recommend not to install beta updates or major ones before making sure they are supported by Merging.
- Pyramix v11 MassCore/RTX64-3.2 the Windows 10 users can run on the Windows 10 Creators update or remain on the Windows 10 Anniversary (1607) update.

  Note: Merging highly recommends you "defer feature updates" in Windows 10.
  Refer to our Windows 10 Configuration Guide: here
  User wanting to update to Windows Creator must follow the procedure document here
  Once updated to Windows creator they can follow the Pyramix v11 and MassCore installation.

- SSK-HUD-RTX owners can have both a Pyramix v10 MassCore key and Pyramix v11 MassCore Key stored on their dongle and go from a system to the other using their SSK-HUD-RTX
- Pyramix v11 uses a new MassCore version (RTX64-3.2) you will need to follow the installation guide.
- Pyramix v11 keys are required.

Native Installation Notes:

- Pyramix v11 can be installed on either Windows 7– 64bit or Windows 10 – 64 bit
- It is required to remove the previous Pyramix version if there is one from the Windows Programs, and reboot your system before installing Pyramix v11
- Pyramix v11 keys are required.
- Follow the Pyramix v11 Installation Guide for all details

MassCore Installation Notes:

- Pyramix v11 MassCore users will need a RTX64 3.0 key in order to Install and run MassCore. See with your Merging Sales Partners.
- It is required to remove the previous Pyramix version if there is one from the Windows Programs, and reboot your system before installing Pyramix v11. Unless you are planning to update to Windows 10 creator, In such case follow the procedure document here
- Refer to Pyramix v11 Installation Guide for details on specific BIOS settings and install procedure.
- After installing Pyramix v11 MassCore user will need to uninstall their previous MassCore from the MT Security setting, MassCore Tab if there is an older version present you will be warned and reboot before updating to the latest version will be required.
- If your Pyramix system never had a MassCore version before, users will have to install the new MassCore version from the MT Security Settings > MassCore tab. A valid MassCore RTX64 -3.0 key is mandatory.
- Users running MassCore 64bit will not be able to move their license to another system (or the same system after a Windows re-installation) unless first making this demand through Merging keys@merging.com Please justify the reason of your system migration or reinstallation as the RTX64 key is not meant to be frequently renewed.
  If Merging cannot follow up in a quick time response (in case of emergency or during weekends) please then contact the Interval Zero (RTX) Sales team sales@intervalzero.com
  Note: MassCore/RTX 64bit keys are linked to the system/hardware.
  MassCore users can have their MassCore/RTX 64bit keys stored on a separate Dongle instead of having it linked to a unique system. Refer to the Merging option SSK-HUD-RTX.

Pyramix v11 Installation Guide

http://www.merging.com/uploads/assets/Installers/HELIOS_X_0/Pyramix_v11.0/Pyramix_V11_Installation_Guide.pdf

Warning:
- Windows 7 users could see such an error: Installation of KB3033929 has failed error message during installation, potentially this update is already installed, proceed with YES
- As of Pyramix v11 RC1 Windows 10 users can update to the Windows Creator (optional) update. Make sure you follow the update and configuration guide.
- Additional Online installation notes are available here:
  https://confluence.merging.com/display/PUBLICDOC/Installation+Notes+v11

Merging Windows 10 Update from Anniversary to Creator Guide

https://confluence.merging.com/display/PUBLICDOC/Windows+10+Update+from+Anniversary+to+Creator

Merging Windows 10 Configuration Guide

https://confluence.merging.com/display/PUBLICDOC/Windows+10+Configuration

Notes:
- *For users with Pyramix and VCube installed on the same system, it is mandatory that you upgrade to VCube 7.0 to run alongside Pyramix v11.0.*
- *MassCore RTX64 User upgrading their processor on a system that previously was running MassCore must follow a specific procedure, please contact support@merging.com for more details.*
- *A new MTCleanUp v11 utility is available through Merging's Support for those having problems with their installation*

Pyramix 11 Release Notes

V11 Features

New MassCore (RTX64 -3.2):

A new MassCore must be installed as of Pyramix v11 RC1
- Based on RTX64-3.2
- Supporting Windows 7 - 64 bit and Windows 10 - 64bit
- Requiring a new MassCore / RTX64 - 3.0 key

Note: RTX64-3.2 now supports the Windows 10 Creator update, which was not the case with the RTX64-3.1 version that was included in the v11 Beta1 and Beta2. Make sure you follow the Pyramix v11 Installation guide for exact procedure.

FX Rendering:

The FX rendering is a clip based offline effect processing tools that supports multichannel IO with flexible routing
- Available from the new "FX Rendering" Tab (as of Pyramix v11 beta2)
- Supports VST2 and VS3 plugins
- Flexible IO routing connections
    - Inputs and outputs modules are independent from the timeline selection
    - Plugins can be Auto-Connected from the Mouse+Right Click Menu, the auto-connection is based on the channel types (If no matching, a one to one connection will be applied)
    - Channel mapping is based on the timeline tracks channel type. If no match is possible, a straight 1 to 1 mapping will be applied
    - IO configurable setup panel and IO channel selector for each plugin
    - Plugins can be inter-connected with each other's
    - Multichannels support (up to 8 channels – 7.1 Surround)
- Clip based processing
    - Preserving edits (fades, clip gain, envelop,…) and applying effect, the preview mode does not playback the envelop and fade
    - Multiple selection uses the same paradigm as the consolidate
    - Hard coded 1 second extra handles
    - Channel Type mode matching option
- Preset support, save and load your presets
- Preview/Audition feature
- GUI and FX Rendering settings are stored in the Pyramix project document (.pmx)

Current known issues / limitations:
- VST3 not supported
- Small timeout at the first plugin insert
- If you do not see the VB Plugins under the FX Rendering please close Pyramix and go to C:\ProgramData\Merging Technologies\Plugins from there remove the available plugins file and relaunch Pyramix.

ANEMAN:

ANEMAN is the first cross platform / cross vendor **A**udio **NE**twork **MAN**ager
- ANEMAN is installed along with Pyramix v11
- With ANEMAN you can easily connect compatible devices, monitor the network and save/recall connection setups.

- ANEMAN is the RAVENNA Easy Connect replacement, it manages the RAVENNA I/O connections.
  RAVENNA Easy Connect is still available and installed with Pyramix v11 if you prefer to use it but will have to be launched manually from
  C:\Program Files\Common Files\Merging Technologies\VS3\RavennaEasyConnect
- Merging does not recommend that you run ANEMAN and Easy Connect simultaneously
- Refer to the ANEMAN guide installed along with Pyramix v11 for more details.
- ANEMAN is also available for Mac users, either as a standalone installer or included in Merging's VAD.
- Refer to the ANEMAN User Manual installed along Pyramix for all details

Improvements

- Automation Trim improvement
  - The Automation trim has now a visual indicator when the Trim mode is active (small triangle)
  - When in Trim mode the fader will be set to 0dB and the offset applied will be reflected on the Fader scale
  - We now apply an offset to the absolute value, and the fader is now fixed on its new value
  - Warning: It is intentional that Strips in Trim mode that are linked to a VCA, will not be controlled by this VCA master
  - Automation Trim can be appliy to linked Strip Faders
  - Without Automation enabled, the Trim behavior can still be used despite not writing any values, in such case the Fader will remain at its last moved position
  - The Release modes behavior is similar as in previous Pyramix versions

- Pyramix Templates are now located in
  C:\ProgramData\Merging Technologies\Pyramix\Templates

- Pyramix has now better handling of the Inputs modules listing, naming and numbering classification. Typically improved for AD modules.

- Pyramix Video playback, synchronization improvements for users with Blackmagic Design video board.

- Media Manager and Libraries improvements

  Media Folders:
  - Column setting now saved in the _QuickMount7.pml file
  - No more Set Default and Set to Library, only Apply to Media Folder
  - Properly restored after rebooting the application
  - Known issue: Lost in case of a Refresh

  Libraries:
  - No more Set Default, only Apply to whole Library or Apply to current Shelf

  Columns dialog properly revamped:
  - Removed useless column headers
  - Double-click on items now works
  - Buttons renamed if in a Media Folder or a Library (see above)
  - Apply buttons now close the dialog and immediately apply the changes

- Album Publishing Improvements:
  - If an encoder fails during a process it will no longer hang
  - Log file is created in the main output folder selected by the user
  - The user will be notified if an error occurred during the publishing process and he will be able to see where the error could be coming from by looking in the log file.

- The RAVENNA ASIO Driver is now supporting AES67 (48 framing), refer to the RAVENNA ASIO guide for all details

- Pyramix Native improvements: Enhanced stability on CPU load

- S3/S6 Controller support improvements

Merging Technologies
Le Verney 4, CH-1070 Puidoux Switzerland
T : +41 21 946 04 44

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- Pyramix Settings: Updated VST menu Display options.
  - - no more IO sorting
  - - Vendor, Category, and Folder structure are the 3 options now
  - - Effect names are now always based on the DLL filename
  - - Consistent display of effects menu tree between mixer

Fixed Bugs in V11.0.4:

- GAIA-662: Fixed. Jump between strips in the Surround Panner Overview window
- GAIA-1414: Fixed. Big slow down when making large selections in timeline
- PMX111-40: Fixed. BMD delay not correct when chasing without stopping first
- PMX111-50: Fixed. FX Rendering: more coherency between the Audio I/O setup layouts and the layout in the Plugin IO setup popup
- PMX110-15: Fixed. 9pin chase not working with BMD video
- PMX110-79: Fixed. Meters send are playing incorrectly
- PMX110-116: Fixed. Pyramix video : 1 frame additional delay in chase TC and Video sync accuracy
- PMX110-117: Fixed. BMD delay not correct in playback reverse
- PMX110-172: Fixed. FX Rendering: Some button are not always active
- PMX110-179: Fixed. Video IO delay offset not working with Blackmagic card
- ANM-209: Fixed. ANEMAN Plug-in Manager bug fixes and version identification

Fixed Bugs in V11.0 RC1:

- PMX110-39: Fixed. CD player, Transport, Take Logger display truncates some of the UI
- PMX110-48: Fixed. Save as Template not working under Windows 10, changed location to C:\ProgramData\Merging Technologies\Pyramix\Templates
- PMX110-78: Fixed. Add Strip MCS 4.0 Quadro (L-R-Ls-Rs) -> 3.1 Surround (L-R-Cs-Lfe)
- PMX110-147: Fixed. DSDRender now writes its log files along the generated media file at its source location.
- PMX110-148: Fixed. Templates have been moved to C:\ProgramData\Merging Technologies\Pyramix\Templates
- PMX110-149: Fixed. Some Channels mappings choices do not create the correct number of channels
- PMX110-151: Fixed. Pyramix v11 on Windows 10 has Dither error issue.
- PMX110-155: New MassCore update to RTX64 – 3.2
- PMX110-159: Fixed. Album Publishing: Metadata missing when using Flac
- PMX110-167: Fixed. Plugin Scanner makes VB VS3 Plugins crash
- PMX110-170: Fixed. FX Rendering: Process hangs when existing identical suffixed name is present
- PMX110-174: Fixed. FX Rendering make plugins window top most.
- HEL-348: Fixed. Collect Medias multiple references issue
- HEL-421: Fixed. importing EDL in Pyramix 10.1/2 & 11 do not import Video clips editing

Fixed Bugs in V11.0 Beta2:

- PMX110-74: Fixed. Pyramix MassCore AES67 BusTools EQ crashes
- PMX110-103: Fixed. Pyramix has now better handling of the Inputs modules listing, naming and numbering classification
- PMX110-122: Fixed. Pyramix crash when transport machine object was allocated on high 64-bit address
- PMX110-132: Fixed. SACD render mode can crash at render start
- PMX110-133: Fixed. Pyramix DSD render on a Surround media non DSDIFF, will swap the Center and Right Channels.
- PMX110-134: Fixed. Crash AMR when having both Hepta SRC and Resampler in the processors stack
- PMX110-138: Fixed. MTOASIS_MACKIE_M.xml error when adding MACKIE HUI controller.

- PMX110-146: Fixed. Opening or closing templates on v11 can crash Pyramix\
- PMX110-149: Fixed. Some Channels mappings do not create the correct number of channels
- PMX110-152: Fixed. Auto stop SuperFetch Windows service for performance purpose at VS3 start. (MassCore and Native)
- PMX110-153: Fixed. Flux IRCAM Tools VS3 not working in Effect Render Rack
- GAIA-188: Fixed. ANEMAN and Easy Connect not allowed to run simultaneously, warning added.
- GAIA-1434: Fixed. Pyramix v10.2 Apple MIDI Session Port 0 instead of default 5004
- HEL-376: Fixed. Album publishing process freeze if output media file pathnames length exceed 260 characters
- HEL-363: Fixed. MXF framecount
- HEL-354: Fixed. DC Meter VS3 makes Pyramix hang
- RAV-758: Fixed. RAVENNA ASIO driver issue creating buffer at > 1 FS
  ANEMAN Bug Fixes:
- ANM-197: Fixed. ANEMAN Crash when changing sampling rate Horus Master
- ANM-198: Fixed. LTC & Video Ref connections status with proper coloring
- ANM-199: Fixed. LTC out matrix, need to click on the edge of matrix square to connect
- ANM-202: Fixed. New zones overlapping previous ones
- ANM-203: Fixed. Adding a System on the network not always discovered by ANEMAN
- ANM-206: Fixed. ANEMAN not always creating its "aneman" folder under Roaming (missing groups.json)
- ANM-207: Fixed. ANEMAN proxy discovery improvement
- ANM-218: Fixed. Auto expand on click to allow connection if one IO side is collapsed
- ANM-220: Fixed. Do not show connection of deactivated IOs in world view
- ANM-221: Fixed. ANEMAN Magnetic placement of devices in zones
- ANM-222: Fixed. ANEMAN slowdown and random crash
- ANM-223: Fixed. Devices not recognized depending on the Subnet Mask

Fixed Bugs in V11.0 Beta1:

- GAIA-1105: Fixed. Edits on SRCed files when reopening projects
- GAIA-1353: Fixed. Pyramix video delay compensation in Internal Bus record
- GAIA-1369: Fixed. Blackmagic Design Video and PMX audio not in sync in 720p
- GAIA-1368: Fixed. Blackmagic Design Video and PMX audio not in sync when chasing LTC
- GAIA-1415: Fixed. Video in timeline can crash in DeckLinkAPI64.dll when playing certain Video Files.
- PMX110-73: Fixed. Video output sync issues
- PMX110-1: Fixed. Pyramix Video: the Preview will freeze randomly during playback (Windows10 - Windows 7)

  ---- Bugs below to also be included in a Pyramix v10.2.1 HotFix ---

- PMX110-110: Fixed. Cannot reset VST overload when clicking on the VST indicator side
- GAIA-1403: Fixed. MXF Index table problem/compatibility issue (rdd09)
- GAIA-1425: Fixed. MXF XDCAM HD Metadatas issue (RTS)
- GAIA-1429/GAIA-884: Fixed. VCube & PMX can mismatch different UIDs / UMIDs MXF files
- GAIA-1415: Fixed. Video in timeline can crash in DeckLinkAPI64.dll when playing certain Video Files.

S3/S6 Controller support improvements:
- PMX110-7: Fixed. Automation mode (fader strip) (Latch - Trim Touch - Trim Latch not accessible)
- PMX110-8: Fixed. Custom track color now supported
- PMX110-10 Fixed. Button for opening mix window and closing windows does not work
- PMX110-11 Fixed. Bus names not always displayed correctly in EuControl shortcut (S3) page and properly reported on controller (S3-S6)
- PMX110-24 Fixed. S3 functionalities lost when adding and removing background recorder
- HEL-270: Fixed. EQ-X and Parametric EQ do not show the Q factor control

Pyramix v11 Product Changes:

- Pyramix v11 MassCore and Native supporting Windows 10 – 64 bit as well as keeping the Windows 7 -64bit support
- Pyramix v11 Native will no longer be officially supported on Windows 8.1
- New MassCore versions (RTX64-3.0 key update required)
- ANEMAN replaces RAVENNA Easy Connect, refer to the ANEMAN guide for more details.
- PMF File format was removed from the Mixdown formats as of Pyramix v11 due to compliance issues. As of Pyramix v11 our recommendations are:
  - For Recording: PMF remains recommended
  - For Mixdown: MTFF is recommended
  - For Album Publishing: Formats of your choice through Digital Release for better signal flow
  - For Render: We recommend rendering in the original format or to PMF or MTFF. The DSDIFF is not recommended.
- Algorithmix DeNoiser and DeScratcher are functional as is under Pyramix v11 but no longer maintained.
  Warning: Those plugin's should not be used on Strips or Buses of more than 2 channels (Stereo) otherwise a crash can occur (limitation). Under Windows 10 the DeNoiser Capture Mode does not refresh its printed capture, users must toggle the mode to refresh the captured print.

MassCore Technical Notes:

- MassCore not supported on Core2Duo. Minimum requirement is a QuadCore. Find system recommendations here: http://www.merging.com/support/pc-config
- MassCore is supported under Windows 7 (64bit) and Windows 10 (64bit) with Pyramix v11
- MassCore as of Pyramix v11 requires a new RTX64 3.0 Key and a new MassCore installation.
- MassCore 64bit: Activation key is linked to the system and not the dongle) and can only be activated once on a dedicated system. This only applies to 64bit. If you need to re-install MassCore/RTX64 bit on another system using the same key this will not be possible if the key has already been used. For such RTX64 Activation Key Replacement the demand can be made at keys@merging.com or in case of weekend emergency through the Interval Zero Support team IntervalZero Support site This means that if you already have install MassCore 64bit on system and want to move it to another system you must contact interval zero and RTX64 so that they re-issue the key.
- In order to run MassCore 64bit users will need to have both the RTX64bit Activation key and the MassCore 64-bit key.
- MassCore Ultra Low latency mode can generate noise if used on some configuration (not optimal/Turnkey recommended).
  In such case we rather recommend to use the AES67 mode or Extra Low latency mode.
- Pyramix Core indicator overloading (red) issue. Recommendation:
  - Under a 64 bit OS: MassCore RTX 64bit users are allowed to run with Hyperthreading enabled. In such case users will by default have 2 Core allocated to MassCore RTX64, as we leave a pair number of Cores for Windows.
    Merging recommends to have a SMP key under such configuration.
  - If under the Bios power options you have entries such as the *Intel SpeedStep* and *CPU C State* make sure that those options are disabled, they are potentials problems to MassCore. Refer to installation guide or the Windows Configuration guide for all details.
- MassCore & CPU load indicator range (as of Pyramix v10.2 and above)
  - Green from 0% to 74% = Safe mode*
  - Orange from 75% to 84% = Moderate Risk*
  - Red from 85%->100% = High Risk
  *MassCore users: Will have enhanced Core stability when using recommended dedicated Graphic Cards.
  *Native users: Recent laptop owners are often confronted to performance problems when the CPU load reaches around the middle point of load, then random CPU jumps causing sudden glitches are possible. This has also been seen when benchmarking with Non-Merging Applications on recent laptops.

- If the Core indicator blinks (red), this will indicate a drop, only be concerned if the drop occurred during Playback/Mix down or record. To reset the Core drop simply do a Mouse click on the Core indicator, for more information please refer to the appropriate section in the User Manual.
- If you have VST Core peaks under MassCore, users should increase their VST Engine Buffer size value, located under the Pyramix Settings. More information available in the User Manual.
- External Insert plug-ins: The same input and output cannot be used in the External Insert plug-in and the Mixer at the same time, they are exclusive to either one.

V11 Known issue:

Merging online knowledge database for updates on the v11 known issues
https://confluence.merging.com/display/PUBLICDOC/V11+Known+Issues

- New MassCore/RTX64 key required as of v11.0
- The Windows 10 Creator update is compatible with MassCore/RTX64 -3.2 that comes with Pyramix v11.0
- Pyramix v11 project containing the same v10 new Buses layout/Structure that cannot be saved within a Save Special v9.0 project a warning message will warn you from doing so.
- Legacy Bus conversions. Due to the architecture of the new busses, mono mix busses are now converted into Mono Aux busses and not anymore to Mono Mix busses as Mix busses have no gain control
- Listing of Pyramix supported remote controller here
- TANGO I or II Known issues:
  https://confluence.merging.com/display/PUBLICDOC/General+Bus+Ramses+and+Tango+support
- ISIS controller New General Bus mapping must be done via the General Settings>project>Controller Mapping where the Bus numbering (order counting the strip) has to be added to the Channel Strip function dialog
- Pyramix Video in timeline: if the Video file shows offline at project opening please refresh your media manager to regenerate the Quickmount
- Pyramix Video in timeline: Opening a project referring to multiple video files or edits can take some time (will indicate finishing for a minute or so) be patient.
- Merging does not recommend users to editing while recording when medias present in the timeline that are not at the same sampling rate as the project. This is so because a realtime SRC will also be processed causing potential performance problems.
- Merging does not recommend the use Disk models: Green, Eco series and Seagate.
- Merging recommend users with External USB disk to have those disks configured to "Better Performance" under Windows disk properties, profiling option.
- MassCore: Core indicator will show a peak/overload after a save on large project or when rebuilding the Mixer (project open-close). Simply reset the core indicator by clicking on it.
- VS3 Algorithmix DeNoiser & DeScratcher are supported but no longer will be maintained
  Known issue: They might display Demo (while fully functional) until the first project is saved, closed & reopen.
- Warning message of "Not Enough Streams available" this happens when reaching the maximum record inputs available. In such case we recommend that you reduce your inputs number count or disable the Background Recorder that are consuming inputs
  Known issue: If you afterwards get a constant Message Box "Re-activating Project" at each Playback start, close and re-open your project to avoid this.
- Pyramix v8.1, Pyramix v9.0, Pyramix v10 and Pyramix v11 Library format are compatible between such versions but not with the previous Pyramix Releases. In order to open such libraries in an older Pyramix version please make sure that you perform the proper Save library option. A Save "Save as Version 7.X" was added to the list
- The Final Check Metering is not supported in DXD/DSD mode
- DiscWrite known issues": https://confluence.merging.com/display/PUBLICDOC/Disc+Write
- Cannot install Pyramix Native: If you have an error and rollback, make sure that you unplug your
- Timeline and Realtime Sampling Rate Conversion: clicks may occur when doing playback or mixdown in a region where 2 overlapping clips reference the same media with different sampling rate than project.
  Workaround: Convert those Medias to the project's sampling rate, prior to using such a workflow
- ADR keyboard is by default disabled. Refer to link below for procedure.
  https://confluence.merging.com/display/PUBLICDOC/Pyramix+ADR+and+Ovation+keyboard+install+guide
- Safety Record issue with the take logger. Pressed commands erroneously will be applied when the transport is stopped. Meaning that if you press Abort & Delete while in safety record, nothing will happen. But, when you come out of safety record and stop, it will apply the command and delete the take. To handle with care.
- Multiple projects opened simultaneously: We do not recommend users to have more than 8 project opened at the same time (due to GDI object limitation).

- Cedar users should install the latest certified version for Pyramix v11 64bit
  https://confluence.merging.com/display/PUBLICDOC/Cedar+Renderer
- The Render Tool will create a temp file for the CEDAR and Nova v0.99 in C:\ Be aware that Merging cannot change the Temp file patch of such third party Render.
- Interchange: AAF non-embedded export to Pro Tools 7x could generate « Could not complete your request because an unexpected error happened while trying to find an audio media file's format" error. We recommend to use AAF Embedded when exporting to ProTools 7. ProTools 8 is known to be working in such case.
- Eucon/Euphonix version 3.6 can be installed along Pyramix for 64bit users

Media Manager and Library recommendations and changed behaviors
- The Database Location path is set under Settings>Application>Location>Default Database Location. Otherwise the database path will be C:\Documents and Settings\<User Name>\Application Data\Merging Technologies\Pyramix
- For better performance Merging strongly recommends that you move the Database location on your fastest system Drive. SATA2 - 7200 rpm Disks are recommended and not necessarily C:\OS default drive (as a drive with less activity and more speed should be performing better)
- Merging recommends that your Disk have the indexing disabled and that you make sure that the Power Management is set accordingly for better performance.
    - Disable File Indexing:
      1. Open "My computer"
      2. Right click on each drive and select "Properties" from dropdown menu
      3. Un-Check the indexing check box
    - Verify the Power Management:
      Go under Windows Control Panel and open Power options
        - MassCore users Under Windows 7 and Windows 10: Power plan should be set to: "RTX – recommended"
        - Native Users: Make sure you select the "High Performance" power plan
- For ultimate performance Merging recommends that you (not mandatory)
    - Set your Antivirus to off while running Pyramix
    - Set Windows Automatic-Update to "notify me"
    - Avoid active internet connection while running Pyramix
- Keeping Mounted Folders when closing and restarting Pyramix can speed up your workflow: Set option under All Settings>Application>General> "Mount all Media folders that were Mounted at previous Application Exit"
- You can clear the History of the Media Manager under the Media Manager>Media Folder menu, or that your disable the Keep Media Manager History option located in the Pyramix Settings, this will clear the History at each Pyramix exit.
- Merging recommends Pyramix users save their project on a Disk were no OS resides for better performances (C:\ not recommended).

RAVENNA Technical Notes:
- Windows 7 SP1 (64bit) and Windows 10 (64bit) are supported by Pyramix v11 MassCore RAVENNA and Native
- Pyramix v11 system recommendations are currently based on the Pyramix v10 configurations. Details here:
  http://www.merging.com/pages/pcconfig
- For ultimate performance we recommend that under ANEMAN you only connect the necessary I/O connections, as every extra RAVENNA connection will use some bandwidth (Core or Network)
- The Network must be Layer 3 compliant and must be a Gigabit network
- Merging has certified new Network Switch for use with Horus/Hapi – Ravenna find details and configuration file here:
  https://confluence.merging.com/display/PUBLICDOC/Network+Switches+for+RAVENNA+-+AES67
  http://www.merging.com/products/horus/downloads
- RAVENNA user should avoid connecting multiple Horus to any a router/Network not certified by Merging. Refer to the Merging RAVENNA Network Guide for all details on the certified RAVENNA switch and configuration. http://www.merging.com/products/horus/downloads
- Only RAVENNA devices can be connected to the Merging PCIe Ethernet Controller Card NET-MSC-GBEX1. Avoid mixing up non-RAVENNA device on this network, like Controllers such as Tango/Isis/Euphonix or other network devices.

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www.merging.com/Pyramix

Merging Technologies
Le Verney 4, CH-1070 Puidoux Switzerland
T : +41 21 946 04 44

- Don't connect a 100MB Ethernet device if the switch is not multicast; otherwise the flow control will reduce drastically the bandwidth.
- A RAVENNA ASIO driver is available for Horus users that wish to use their notebook GbE Network RJ-45 system socket. Refer to http://www.merging.com/products/horus/downloads

RAVENNA Known issues:
- RAVENNA: Switching from MADI Standard (56) to MADI Extended (64) can generate small glitch, avoid doing so during realtime operations
- Merging recommends the use of ANEMAN in order to manage all RAVENNA I/O connections, please refer to the ANEMAN User Manual installed along with Pyramix for more details.
- Non-certified RAVENNA configurations might not capable of sustaining 384 I/O @ 1FS (44.1/48 kHz). If you experience noise similar to static reduce the RAVENNA I/O count enabled in ANEMAN. We also recommend that if you have such static noise not to run MassCore in Ultra Low or Extra Latency mode but rather Low latency mode.
- Merging recommends that RAVENNA users disable the Windows Firewall, as it can partially block some of the RAVENNA I/O connections
- Peaks might show up under Pyramix Core section if you power OFF or disconnect the Horus/Hapi. Recommendation: A valid connection an online Horus is always required if the Horus is PTP Master. Reset peaks by Mouse Clicking on the Core section.
- Avoid changing a network address on your system or disconnecting Ethernet ports on your system when MassCore RAVENNA is running
- Cannot use the ISIS since running RAVENNA with the Merging PCIe Ethernet Controller Card NET-MSC-GBEX1
  Recommendation: Refer to the ISIS support document below
  http://download.merging.com/beta/SupportTools/Docs/AccessoryHardware/ISIS_Vista_or_7_dedicated_lan.pdf
- RAVENNA EasyConnect Troubleshooting tips available here
- DSD issues
  - Background Recorders: If the Mixer is not a DSD compatible Mixer (square mixer), the record fails, but no message displayed. We recommend users to create a DSD project prior to enabling and starting to work with Background Recorders in DSD.
  - When creating/opening a DSD project the Horus might not switch accordingly between 64/128/256 this has to be done manually in such case

RAVENNA I/O Connections:
In order to create RAVENNA I/O connections please refer to the ANEMAN User Manual (installed along with Pyramix)

Each Horus/Hapi will then appear in your ANEMAN application where you will see the name of each of them online. You will be able to dispatch each Horus/Hapi I/O connections from the ANEMAN Matrix Refer to the ANEMAN guide installed along Pyramix for more details.

Windows Firewall:
The Windows Firewall can block communication between MassCore and Horus. We recommend users to disable the Public Network Firewall
Procedure:
1. Go in Windows Control Panel > Windows Firewall.
2. Click on "Turn Windows Firewall on or off"
3. Go to the Public Network section and select "Turn Off Windows Firewall"

Windows UAC:
User should disabled the Windows User Account Control
Procedure:
1. Go in Windows Control Panel\All Control Panel Items\User Accounts
2. Open the Change User Account Setting
3. And set it to never notify

Disable Antivirus:
Some Antivirus as Avast or Sophos have been known to block the Horus discovery and RAVENNA I/O Connection. Merging also recommends that any Antivirus software is properly configured to not

interfere with the DAW. See this page for further details:
https://confluence.merging.com/display/PUBLICDOC/Antivirus+and+Merging+Technologies+Softwares

Pyramix Native Recommendations:
- Windows 7 (64bit) and Windows 10 (64bit) supported with Pyramix v11 Native
- RAVENNA ASIO users should have administrator rights
- Disable the WIFI (disable the Wireless adaptor not only the WIFI connection)
- Disable Bluetooth if active (under Windows Device Manager)
- Make sure you select the "High Performance" power plan (very common that Powerful laptop are at times in energy saving mode, create a High Performance power plan)
- Avoid using battery power, rather have you power cable connected
- Set all your Antivirus to off
- Disable the Windows Public Firewall
- Put Windows UAC (User Account Control) to the lowest level (disabled)
- Set Windows Automatic-Update to "notify me"
- Avoid active internet connection while running Pyramix
- Verify the performance of your Native system by running the DPC Latency checker: http://www.thesycon.de/deu/latency_check.shtml

Refer to the online documentation for all details
https://confluence.merging.com/display/PUBLICDOC/Native+recommendations