



# VCube Release Notes



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





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## VCUBE 5.0 Release Notes

### NEW FEATURE:

- VCube 64 bit OS support.
  - VCube now comes with two different installer
    - VCube 32bit
    - VCube 64bit

#### Notes:

- Make sure you download and install the proper VCube version for the appropriate OS
- Mykerinos not supported under a 64bit OS.

### IMPROVEMENTS:

- **VCube configuration:**
  - Launch mode and engine selection must be set from the VS3 Control Panel
  - The ASIO engine configuration must be set from the VS3 Control Panel (removed from VCube settings)
  - VS3 control panel added a new platform 'No Audio' (VS3Less) for VCube
- **Virtual Transport 2:**
  - Removed or replace since VT2
    - VT1 Settings have been removed from VCube (Clock Master, Follow VT ,
  - Transport Window now indicates which Pyramix it being controlled, by displaying its name.
  - The VT2 configuration must be done from the Pyramix Virtual Transport 2 Settings
  - VCube will be seen as a VT2 client at application start
- **VCube Support with RAVENNA ASIO**
- **QuickTime no longer required nor installed along VCube. This was replaced by the FFMPEG technology (for .mov files)**
- **Updated Video Encoder and Decoder**
- **Updated Realtime Resize engine**
- **Alpha Channel Support**
- **AJA & ASIO can now be activated simultaneously**
- **Render DVCPROHD support in; Mov, MXF & AVI**

### V5.0.7 HOTFIX BUGS FIXED:

- MT5964: Chase mode of second and following external machines behaves incorrectly at launch and at active machine change.
- MT5963: Fixed. VCube + MXF Handler: AVCIntra files can't be read by external programs
- MT5962: Fixed. Pyramix Mixdown non-realtime fails (ADR too) if VCube is chasing
- MT5960: Fixed. VCube chase offset display - 1 frame
- MT5944: Fixed. VT2 going out of record in Pyramix makes VCube stop
- MT5928: Fixed. VCube Rendered / Recorded files shows Metadata wrong writing application
- Fixed. MXF XDCAM RDD09 compliance fixes
- Fixed. VCube. Now Remembers some Settings parameters





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## **V5.0.6 BUGS FIXED:**

-- RC1 --

- MT5859: Fixed. VCube: Pyramix system name identification in Transport not always displayed
- MT5920: Fixed. USBSync Control Panel in Windows CP not working
- MT5910: Fixed. VCube: Added a quick fix for mov XDCAM
- MT5818: Fixed. VCube mov DV25 NTSC files are not decoded with FFMpeg
- MT5770: Fixed. VCube: AVCIntra in 32 and 64 bits (mov, mxf)
- MT5909: Fixed. VCube: Potential crash at end of XDCAM playback in MXF
- MT5902: Fixed. Cursor not auto-playing if a VCube is chasing (VT2)
- MT5773: Fixed. VCube Render: DVCPROHD support
- Fixed. VCube: Added Export option for MXF and AVI

-- Beta4 --

- MT5722: 720p playback broken

-- Beta3 --

- MT5889: Fixed. Remove MP4 from render / record / convert formats
- MT5877: Fixed. VCube Reset now available for x64
- MT5883: Fixed. VCube NTSC Audio Glitch when rendering from MXF
- MT5884: Fixed. VCube Render MXF missing second frame DV/DVCPRO/AVCI/DNXHD
- MT5836: Fixed. VCube Instead of hanging, return false when audio frame is out-of-range.
- MT5874: Fixed. VCube crash when load & Auto-config WAV 2398 file
- MT5865: Fixed. VCube auto edit crash fix MT5865
- MT5844: Fixed. VCube DolbyE not decoded into mov
- MT5842: Fixed. VCube Some DV files cannot be wrapped
- MT5840: Fixed. VCube Corruption in Wrap MXF IMX/XDCAMHD to MOV
- MT5838: Fixed. VCube MXF: MPEG HD encoding is too slow : less than realtime
- MT5837: Fixed. VCube MXF: Main Concept encoding missing last frame
- MT5829: Fixed. VCube Final Check not working
- MT5806: Fixed. VCube: Import Video Clips into VCube not working with VT2

-- Beta2 --

- MT3497: Fixed. VCube: import from "Still Images" caused wrong colors
- MT5452: Fixed. Uncompressed AVI files modified by VCube when opening

## **LIMITATIONS/PRODUCT CHANGES:**

- Mykerinos not supported under a 64bit OS
- SD2 support removed
- QuickTime replaced by the FFMPEG technology

## **KNOWN ISSUES:**

- MT5921 : Midi TimeCode sync only works in non VS3 mode VCube does not lock to incoming Midi TimeCode.  
Workaround: switch to non-VS3 Mode (No Audio) in VS3 Control Panel.
- MT5888: Render: Waveform not correct at end of some NTSC file
- MT5729: (64bit only)Opening VCube project with Win Explorer starts a new instance of VCube
- MT5741: VCube USBSync LTC Chase not working





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## **OTHER KNOWN ISSUES**

-> First playback when configured with a Mykerinos (VS3 Control Panel) could crash.

Workaround: simply select the desired sampling rate under the VCube settings.

-> AJA LHi or 2K GUI: "Audio Source" selection under construction

-> Installer: upgrades can at time end up with a repair process or rolling back to the previously installed version. In such case Merging recommends that you un-install the current VCube version prior to installing VCube v5.0, instead of doing an upgrade.

-> Canopus ADVX1000 is no longer supported in Vcube

-> VCube Runtime C++ Error when playing video file

Merging recommends that all VCube 5.0 configurations have at least 2GB of Ram (memory).

-> Remote: The first time 9 pin remote and/or machine control is used, you have to confirm that you use e.g. COM3 in the 9pin settings.

-> MT4478: Audio track numbers ignored by Dolby E decoder

Dolby E decoder will only work on the first Audio track group (a1).

*Workaround: Make sure the Audio Files are all in the same Audio Track Group. Add Audio Layers if you need more audio tracks (Ctrl + Shift + N)*

-> MT4463: Dolby E does not decode in 720p timeline

Due to FPS (x2) Dolby E signal cannot be decoded

-> MT4343: AJA/Mykerinos audio output is delayed by 6 samples

When playing back, audio out is delayed by about 6 samples (~ 120 us). This can cause the Dolby E start code to be out of range

*Workaround: A Sample Audio Read offset can be used as a registry key. Contact support@merging.com for further details*

-> MT3468: VCube: Composition with too many MXF (MPEG-2 HD) clips may crash VCube due to memory load

*Workaround: We recommend not to use more than 10 MXF containing MPEG2-HD/XDCAM-HD files simultaneously to avoid such a problem*

-> MT3266: VCube high memory consumption when searching media

-> MT3530: VCube playback may flicker at very high speed (>60 fps)

-> MT3533: VCube could crash if Audio Meters are detached at UI launch

Workaround: Make sure Audio Meters are attached at launch

-> MT3561: MT USB Sync Board with AJA not locking in CrossLock mode (e.g. 9pin Remote 24fps + composition 25fps )

*Workarounds: Merging recommends the use of a Mykerinos & AJA in order to work in CrossLock Synchronization*