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Ovation Release Notes

Installation

Please consult the Installation Guide located on the Ovation 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 Ovation software insert the Ovation 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.

Ovation v7 INSTALLER INFORMATION:

Ovation v7 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:
- Ovation v7 comes with a new MassCore version (RTX64 3.2 based on RTX64 3.0 keys)
- The Ovation v7 installer comes only as a 64bit version (64bit OS)
- **Merging highly recommends** users to first perform a Windows update prior to installing Ovation v7.
- As of the Ovation v7 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 Ovation v7 and MassCore installation.*

- SSK-HUD-RTX owners can have both Ovation v6 MassCore key and Ovation v7 MassCore stored on their dongle and go from a system to the other using their SSK-HUD-RTX
- Ovation v7 uses a new MassCore version (RTX64-3.2) you will need to follow the installation guide.
- Ovation v7 keys are required.

Native Installation Notes:

- Can be installed on either Windows 7– 64bit or Windows 10 – 64 bit
- It is required to remove the previous Ovation version if there is one from the Windows Programs, and reboot your system before installing Ovation v7
- Ovation v7 keys are required as of the Release Candidate 1, the v6 keys will no longer work.
- Refer to the Ovation v7 installation guide for all details

MassCore Installation Notes:

- Ovation v7.0 MassCore users will need a RTX64 3.0 key in order to Install and run MassCore.
- It is required to remove the previous Ovation version if there is one from the Windows Programs, and reboot your system before installing Ovation v7. Unless you are planning to update to Windows 10 creator, In such case follow the procedure document here
- Refer to Ovation v7.0 Installation Guide for details on specific BIOS settings and install procedure.
- After installing Ovation v7.0 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 Ovation 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.

Ovation v7 Installation Guide
http://www.merging.com/uploads/assets/Installers/HELIOS_X_0/Ovation_v7.0/Ovation_V7_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 Ovation v7.0 Windows 10 users can update to the Windows Creator (optional) update. Make sure you follow the update and configuration guide.

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

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

ANEMAN is the Easy Connect replacement

- ANEMAN is the first cross platform / cross vendor **A**udio **NE**twork **MAN**ager
- The Ovation v7 installer will install ANEMAN
- With ANEMAN you can easily connect compatible devices, monitor the network and save/recall connection setups.
- Use the new "ANEMAN" application to manage the RAVENNA I/O connections. RAVENNA Easy Connect is still available and installed with Ovation v7 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 Ovation v7 for more details.

Notes:

- *For users with Ovation and VCube installed on the same system, it is mandatory that you upgrade to VCube 7.0 to run alongside Ovation v7*
- *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*

Ovation V7 Features

New MassCore (RTX64 -3.2):
A new MassCore must be installed with Ovation v7.0
- 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 v7 Beta1 and Beta2. Make sure you follow the Ovation v7 Installation guide for exact procedure.

ANEMAN:
- ANEMAN is the RAVENNA Easy Connect replacement
- ANEMAN is the first cross platform / cross vendor **A**udio **NE**twork **MAN**ager
- ANEMAN is installed along with Ovation v7
- ANEMAN you can easily connect compatible devices, monitor the network and save/recall connection setups.
- Refer to the ANEMAN User Manual installed along Ovation for all details

Ovation V7 Improvements

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

- S3/S6 Controller support improvements

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

Fixed Bugs in Ovation v7.0.4:

- ANM-209: Fixed. ANEMAN Plug-in Manager bug fixes and version identification

Fixed Bugs in Ovation v7.0 RC1:

- PMX110-78: Fixed. Add Strip MCS 4.0 Quadro (L-R-Ls-Rs) -> 3.1 Surround (L-R-Cs-Lfe)
- PMX110-149: Fixed. Some Channels mappings choices do not create the correct number of channels
- PMX110-155: New MassCore update to RTX64 – 3.2

Bugs fixed in Ovation v7.0 beta2

- PMX110-109: Fixed. Ovation: Consolidate sampling rate not applied imported media from server
- PMX110-74: Fixed. MassCore AES67 BusTools EQ crashes
- PMX110-103: Fixed. Better handling of the Inputs modules listing, naming and numbering classification
- PMX110-122: Fixed. Crash when transport machine object was allocated on high 64-bit address
- PMX110-132: Fixed. SACD render mode can crash at render start
- 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 cause a crash
- PMX110-152: Fixed. Auto stop SuperFetch Windows service for performance purpose at VS3 start. (MassCore and Native)
- 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-354: Fixed. DC Meter VS3 makes Pyramix hang
- RAV-758: Fixed. RAVENNA ASIO driver issue creating buffer at > 1 FS

ANEMAN Bug Fixed:
- 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-222: Fixed. ANEMAN slowdown and random crash
- ANM-223: Fixed. Devices not recognized depending on the Subnet Mask

Bugs fixed in Ovation v7.0 beta1

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
- PMX110-11 Fixed. Bus names not always displayed correctly in EuControl shotcut (S3) page and properly reported on controller (S3-S6)
- HEL-270: Fixed. EQ-X and Parametric EX do not show the Q factor control

Technical Notes & Known Issues

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

General

- Ovation keyboard users should update the Keyboard driver and "changeme" software in order to prevent a potential freeze under 64bit of Ovation/Pyramix. Please follow instructions for the Ovation keyboard use.
  https://confluence.merging.com/display/PUBLICDOC/Pyramix+ADR+and+Ovation+keyboard+install+guide
- Cue not starting up at times. Please make sure that your Media files are at the same sampling rate as your project. We recommend user to have their media files at the same sampling rate as their show.
- When running an Ovation show with timed cue lists for more than 24 hours, it must be noted that any timed cue lists which are manually started (not chasing show time, but manually fired using the header in the timed cue list) will not behave properly. This is due to running multiples of a 24 hour clock. Using timed cue lists in every other fashion will work as normal in multiple day Ovation shows.

MassCore
- MassCore not supported on Core2Duo. Minimum requirement is a QuadCore.
- MassCore is supported under Windows 7 (64bit) and Windows 10 (64bit)
- Ovation v7.0 comes with a new MassCore (RTX64 -3.0) version that requires a new key

Technical Notes:
- MassCore not supported on Core2Duo since Ovation v4. Minimum requirement is a QuadCore.
- MassCore is supported under Windows 7 (64bit) and Windows 10 (64bit) with Ovation v7
- MassCore as of Ovation v7 requires a new RTX64 3.0 Key.
- Ovation v7 system recommendations. Details here: http://www.merging.com/pages/pcconfig
- 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 the Extra Low latency mode.
- 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.
- The Network must be Layer 3 compliant and must be a Gigabit network
- Merging has certified the Network Switch for use with Horus/Hapi – Ravenna find details and configuration file here: 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.
  https://confluence.merging.com/display/PUBLICDOC/Network+Switches+for+RAVENNA+-+AES67
  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. The same will apply if you are connected to a Merging certified switch for RAVENNA use

- 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/Hapi users that wish to use their notebook GbE Network RJ-45 system socket. Refer to http://www.merging.com/products/horus/downloads

Known issues:
- Listing of Ovation supported remote controller here
- Horus/Hapi 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
- 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/Hapi 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
  Refer to the Easy Connect troubleshooting for more information
  https://confluence.merging.com/display/PUBLICDOC/RAVENNA+EasyConnect+Troubleshooting
- 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/ISIS_Vista_or_7_dedicated_lan.pdf

Connections:
In order to create RAVENNA I/O connections please refer to the ANEMAN guide or the RAVENNA Easy Connect guide (installed along with Ovation)

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 Connections. 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

Ovation Native Recommendations:
- Windows 7 (64bit) and Windows 10 (64bit) supported with Ovation v7 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 Ovation
- 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