

ETC® Release Note

Eos® Family Lighting Control Software



Product Line:

Eos Lighting Control Family

Description:

Version 1.9.6 software

Eos Lighting Control Family Software Components

Eos FamilyConsole MainApplication	1.9.6.9.0.3
ECU	1.9.5.9.0.13
XPe (Eos)	2.1.0.9.0.2
XPe (Eos RPU)	2.1.0.9.0.2
XPe (Ion)	2.1.0.9.0.2
XPe (Ion RPU)	2.1.0.9.0.2
XPe (Element)	2.1.0.9.0.2
XPe (RVI)	2.1.0.9.0.3
ACN Libraries	1.3.0.9.0.31
ETCNet2	4.0.18.9.0.1
Network Common	1.3.0.9.0.12
Network IPCFG	1.3.0.9.0.13
Carallon Library	6.6.0.9.0.19

Engineering Change Master (ECM):

500007866

Effective Date:

2011-01-27

Purpose

The purpose of this release is to fix a critical effects bug along with a few other issues.

This software release is highly recommended for all users of the Eos Family platform (Eos, Ion®, and Element™).



Note:

To use the Virtual Media Server feature on Eos and Ion, additional software must be installed. The Eos Family Pixel Mapping Installer software and the Eos Family Pixel Mapping Installer v1.0.0 Release Note are available for download on the ETC website. If you have already installed this software along with version 1.9.5, you don't need to reinstall the Pixel Mapping software with version 1.9.6.

For any questions relating to the contents of this release or the behavior of this software, please contact ETC Technical Services at the office nearest to you. A list of ETC offices is given at the bottom of this page.

Availability

You may obtain this release of software by downloading it from the Downloads section of the ETC website, www.etcconnect.com.

It is recommended that you check the ETC website for the most up-to-date software (both for your console and offline software) to accompany this release.



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Web: www.etcconnect.com ■ OSF 4.1.9.1 ■ Copyright © 2011 ETC. All Rights Reserved. ■ Product information and specifications subject to change.
4250M1100-1.9.6 ■ Rev A ■ Released 2011-01

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Affected Products of This Release

The following Eos Family products are affected by this software release:

- Eos
- Ion
- Element
- Eos Remote Processor Unit (RPU)
- Ion Remote Processor Unit (RPU)
- Net3 Remote Video Interface (RVI)
- Eos/Ion/Element Client
- Eos/Ion/Element Offline

Documentation

The current documentation for Eos is the Eos Family v1.9.5 Supplement to Operations Manual Revision A and the Eos v1.7 Operations Manual Revision A. The current documentation for Ion is the Eos Family v1.9.5 Supplement to Operations Manual Revision A and the Ion v1.7 Operations Manual Revision A. The current documentation for Element is the Eos Family v1.9.5 Supplement to Operations Manual Revision A and the Element v1.6 User Manual Revision A. Please keep this release note with your user manual for descriptions of the newest features, changes and bug fixes in Eos Family. ETC manuals can be downloaded free of charge from ETC's website at www.etcconnect.com. They are available in portable document format (.pdf), and viewable with Adobe® Acrobat® Reader™ v6.x and later.

Compatibility

ACN

The software is compatible with all Net3™ products that meet or exceed ESTA ratified standard BSR E1.17 2006 Architecture for Control Networks (ACN) and the current draft specification of BSR E1.31 Streaming ACN (sACN).



CAUTION: *Eos show files are forward compatible to v1.9.x. However, v1.9.x show files are not backward compatible to v1.4.x and previous, due to changes to the file structures to reduce show file size. Please contact ETC Technical Services at the office nearest to you if you feel the need to downgrade to a 1.4.x build for any reason.*

ETCNet2 Network Compatibility

This release is compatible for the exchange of EDMX and/or configuration information with the following ETC hardware and software:

- **Eos® Family Lighting Control System** - Version 1.0.0 and later software.
- **Congo™/Congo jr** - Version 4.0.0 and later software.
- **Emphasis® Control System** - Version 1.4.0 and later software.
- **Obsession® II Control System** - Version 5.1.x software.
- **Network Configuration Editor (NCE)** - Version 4.x.x and later software.
- **Net3 Four Port Gateway (ETCNet2 mode)** - Version 4.0.0 and later software
- **Net3 Show Control Gateway** - Version 1.0.0 and later software
- **Net3 I/O Gateway** - Version 1.0.0 and later software
- **ETCNet2 DMX Node** - Version 4.0.6 and later software.
- **ETCNet2 Two Port Node** - Version 4.1.4 and later software.
- **Unison®** - Version 1.9.x software.

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Incompatibility

Eos Family v1.9.6 is incompatible with hardware and software running ETCNet2 software prior to those listed above.



CAUTION: *Until your ETCNet2 nodes and Net3 gateways are updated to the versions listed below by NCE v4.2 or later, you must turn off/disable the (DHCP) Address Server in the Eos Configuration Utility (ECU). In the ECU: Settings>Network>Net3 Settings. Make sure "Enable Address Server" is unchecked.*

Software Versions that are compatible with DHCP servers:

ETCNet2 DMX Node (4.0.6)

ETCNet2 Two Port Node (v4.1.4)

ETCNet2 Video Node (v4.0.2)

Net3 Four Port Gateway (ETCNet2 mode v4.0.3 or later)

Eos Family v1.9.6 is incompatible with hardware and software running ETCNet1.

Key Enhancements in 1.9.6

- Bug Fixes

Key Enhancements in 1.9.5

- Virtual Media Server (this is a feature sometimes referred to as pixel bit mapping)
- Shielded Submasters
- GM Exempt Channels
- PSD option to allow timing elements in the cue list to dynamically count down. Sustained press of [Time] toggles to the alternative view.
- A channel level indicator has been added when a channel is patched as a non-dim.
- Channel Intensity flash on/flash off using Highlight + Full and Highlight + Out.
- Use of the color and gel picker on "non-standard" LED fixtures (RGBA, RGBW, etc).
- Dual set of direct selects when opened on a tab. Century and millennium buttons when in expand mode.
- Flexi-Encoder state (suppresses parameters not applicable for current channel selection)
- Channel/Address check mode for the RFR. This is now the default screen for the RFR when engaged.
- Changes to the handling of dual scroller fixtures.
- Delay effects in cues
- Cue release to last active source
- Macro flag to force macros to run in the foreground (on the command line) or background.
- The return of Time / for setting downfade times.
- Manual Master Cue List
- Changes to update thru and the addition of update +.
- Changes to mark, including automarks being displayed in blind, just as they would in live, and respecting marks when possible on cues loaded out of sequence.
- [Enable] and [Disable] flags added to any macro changing a setup option (rather than just acting as a toggle state).
- Additions to the.pdf printout
- Setup tools for changing the resolution of trackballs.
- Encoders always disabled in blind until a paging button is pressed.
- Snap facility added to specified parameters.
- Expansion of the Serial I/O functionality.
- Congo and NT show file import.

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Installation Instructions

New Eos Family consoles will ship with the current version of software loaded and you do not need to update the software in the console to begin using it.



Note: *All processors on the Eos Family network must be running the same version of software. Therefore, you must also update all RVIs and RPUs when you update your console.*

Software Installation

To update your console or offline software to the v1.9.6 release, you will need to download it from the ETC website, unzip the file, load it to a USB device, and then transfer it to your console from the USB port using the Eos Configuration Utility (a.k.a. Eos Shell).

To update your console to v1.9.6:

- Step 1: Download the software from the ETC website (www.etconnect.com - click "Downloads" at the top of the page).
- Step 2: Unzip the file.
- Step 3: Transfer the unzipped file to a USB memory device.
- Step 4: Insert the USB device containing the software into an available USB port on the console.
- Step 5: Open the Eos Configuration Utility (ECU - Also known as the Eos Shell) either by exiting the Eos Family software (**Browser>Exit**) or by starting up the console and clicking on the **{Launching in...}** button. The ECU screen will open.
- Step 6: Click on the **{Settings}** button. The settings window will open.
- Step 7: Click on the **{General}** button inside of the settings window. The general settings will appear in the window.
- Step 8: Scroll down in the window until the **{Software Update...}** button is visible. Click this button.
 - This scans the root directory of all available drives (USB drives) for valid installers.
- Step 9: When the "Update Software" dialog pops up, click on **ETC_EosFamily_Console_v1.9.6.9.0.3**, then click **{Install}**.
 - This launches a standard Installshield application to direct you through the install.
- Step 10: Click **{Next}** to start the installation process. A dialog box will open warning of losing show data if not saved to disk.
- Step 11: Click **{Yes}** to continue. The console will install the software.
- Step 12: Click **{Finish}** to complete the installation process. The console will automatically reboot and then enter the ECU welcome screen.

Offline and Client Software

For system requirements and installation instructions for Windows and Mac clients, please see the Eos Family Client Kit Quick Guide v1.9.

Firmware Update for Wings

Version 1.9 includes an update to the 2x10 fader wings. It is recommended that users update all 2x10 fader wings.

To update your 2x10 wings to v1.2:

- Step 1: With v1.9 installed on your console, open the Eos Configuration Utility (ECU - Also known as the Eos Shell) either by exiting the Eos Family software (**Browser>Exit**) or

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- by starting up the console and clicking on the **{Launching in...}** button. The ECU screen will open.
- Step 2: Click on the **{Settings}** button. The settings window will open.
- Step 3: Click on the **{Maintenance}** button inside of the settings window. The maintenance settings will appear in the window.
- Step 4: Scroll down to the Firmware Update window.
- Step 5: Click on the wing to select it for updating.
- Step 6: Click the **{Update}** button. This will open a window.
- Step 7: When the update is finished the window will say "Updated firmware successfully", click **{Ok}**.
- Step 8: Repeat Steps 5-7 for all 2x10 fader wings.

Issues Corrected in v1.9.6

- RND 0014707 Using the color picker may result in syntax errors if the console is set to a language other than English.
- RND 0014706 Macros that include parameters followed by numbers do not run
- RND 0014705 Deleting step of absolute or step effect removes that effect from all cues and subs
- RND 0014642 Element displays "Detected corrupt cue" message while loading an Eos show with multiple cue lists
- RND 0014640 On Element, after opening a show the show file name is not displayed until the show is saved.
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Known Issues Remaining in v1.9.6

- RND 0014641 Can Not Page Flexi Patched Mode until Patch is exited and returned
- RND 0014537 Condition of external keyboard Scroll Lock enable/disable should persist through power cycle when connected to ETC Processors.
- RND 0014433 Applying a label to a macro in live appears to work but it really does nothing
- RND 0014426 Scroller Calibration button is not removed when toggling back to coarse mode
- RND 0014408 Moving channels doesn't move the absolute effect data in submasters
- RND 0014315 Changes to the mechanical intensity parameter of the Martin TW1 should not contribute to "live" or "dark" moves calculations.
- RND 0014192 When locking an Ion console, the LCD is not displaying "LOCKED OUT" if there is a completed command on the command line.
- RND 0014149 [cue 1 thru Next] doesn't work if cue 1 or next cue has parts
- RND 0014144 Exiting highlight mode stops channels that are sneaking
- RND 0014143 Effects are incorrectly tracking into mark range
- RND 0014142 [- sub record] is recording subs effects
- RND 0014096 Keyboard shortcuts for [Next] and [Last] should be reversed
- RND 0014078 Movement of NPs on devices with no intensity parameter should not be considered a Dark Move
- RND 0014062 Monitors in Expand Mode Should be so Indicated
- RND 0013482 Moving lights outside of active partition should not display graphic.
- RND 0013362 Cannot override a [Go To Cue 0 Time X] command with another [Go To Cue X Time X] command.
- RND 0013296 Eos Offline for Mac should not require Admin privileges
- RND 0013222 Direct Selects do not store Expanded mode or 100 button mode in a Snapshot. [r1.9.5:29
- RND 0013158 [Recall From] {Live} doesn't work in blind park.
- RND 0013094 [- group X Record] returns empty channel list error
- RND 0012992 Pot Matching arrows are not displayed on the monitor screen for the 1 x 20 Fader wing in Sub Mode
- RND 0012336 While typing labels, All levels incorrectly displayed without references until restart
- RND 0012228 Effect Number of cycles incorrect with non-zero entry time
- RND 0011914 Ion RPU monitors turn off after 5 hours of inactivity
- RND 0011912 Slovak keyboard and flag needed
- RND 0011798 Build Step effect with Stop/Hold exit, stops at off states, not on states
- RND 0011789 LED doesn't blink when bumping Inhibitive subs
- RND 0011779 Rem Dim does not override intensities coming from Intensity Effects.
- RND 0011660 Duplicate Wheel Definitions Shown in Patch After Loading a Show
- RND 0011587 Resizing of the channel column in step effects doesn't stay as configured when you change steps

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Known Issues Remaining in v1.9.6 [Continued]

- RND 0010902 When the default Assert Time is set to zero, when LTP Subs are asserted they go to an incorrect level.
- RND 0010849 MoveTo in patch with overlapping range, moves all channels to last channel
- RND 0010804 Using the Master Fader buttons to record [Go] and [Stop/Back] into a Macro causes a double Go and a double Stop to be recorded into the actual Macro.
- RND 0010719 A Macro that exits out of Mirror Mode is displayed as only 'Mirror' in the Macro editor.
- RND 0010705 Element Channel/Submaster status not being followed on mirroring device
- RND 0005279 Merging fixtures can create two fixtures with the same name