

ETC® Release Note

Eos® Family Lighting Control Software



Product Line:

Eos Lighting Control Family

Description:

Version 1.8.0 software

Eos Lighting Control Family Software Components

Eos FamilyConsole MainApplication	1.8.0.9.0.27
ECU	1.8.0.9.0.6
XPe (Eos)	2.1.0.9.0.2
XPe (Ion, RPU)	2.1.0.9.0.2
XPe (RVI)	2.1.0.9.0.2
XPe (Ion RPU)	2.1.0.9.0.2
XPe (Element)	2.1.0.9.0.2
ACN Libraries	1.3.0.9.0.4
ETCNet2	4.0.18.9.0.1
AppMux	4.0.7.9.0.0
Network Common	1.3.0.9.0.2
Network IPCFG	1.3.0.9.0.2
Carallon Library	5.4.0.9.0.16

Engineering Change Master (ECM):

500006063

Effective Date:

2009-10-15

Purpose

The purpose of this release is to provide mirror mode functionality from any Eos Family device, fan functionality, changes to live event time code editing, and bug fixes.



Note:

Version 1.8 allows for a PC using offline software to connect to the network without needing a dongle. However the PC will only be able to operate in mirror mode. This also allows an RVI or PC to connect to an Element system in mirror mode only.

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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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 Client
- Eos/Ion /Element Offline

Documentation

The current documentation for Eos is the Eos/Ion v1.8 Supplement to Operations Manual Revision A and the Eos v1.7 Operations Manual Revision A. The current documentation for Ion is the Eos/Ion v1.8 Supplement to Operations Manual Revision A and the Ion v1.7 Operations Manual Revision A. The current documentation for Element is 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 v1.8.x. However, v1.8.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 v1.8.0 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 v1.8.0 is incompatible with hardware and software running ETCNet1.

Key Enhancements in 1.8.0

- Mirror mode
 - Element Implementation - An Element console can be mirrored by an RVI or a client PC. An RVI or a client PC will automatically run in mirror mode when they see an Element console in primary mode online. A mirror display will give options to **{Stop Mirroring}**, **{Exit Element}**, and **{Power Off Console}**. To view the mirror display, press **[Browser]** and then the **{Mirror}** softkey. This display can also be opened with the keyboard shortcut ALT + M. For more information on mirror mode, see the Eos/Ion v1.8 Supplement to Operations Manual.
- Fan

Key Enhancements in 1.7.0

- Effects stored and controlled by submasters
- Multiple external USB connections for fader wings
- Color Format Controls to toggle between native and HS color settings
- Display of frame tables by Frame number
- Setting Gel matches from the command line
- Zoomable displays
- External track ball support for mouse operations and pan/tilt controls
- Improved support for multi-intensity channels
- 400+ new fixture libraries
- Latching fader controls (Ion)
- File Manager in the shell
- Support for the iRFR application
- Lamp controls are added to the fixture editor
- Disabling Automarks automatically creates referenced marks
- 1 new format for the PSD, enabling display of two cue lists, both or either of which can be locked
- Dimmer feedback from Sensor + systems equipped with AF modules
- RDM configuration and monitoring

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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 RPU's when you update your console.*

Software Installation

To update your console or offline software to the v1.8.0 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).



Note: *During installation, the following error message may appear:
"Installshield could not shut down AppMux."
If this message appears, click {OK} and allow the installation to complete. The error will then be resolved when the system completes the reboot process.*

To update your console to v1.8.0:

- Step 1: Download the software from the ETC website (www.etcconnect.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 **EosFamily_Console_v1.8.0.9.0.27**, 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.

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Offline Software

The offline software installers now include the drivers for ETC USB devices (such as fader wings). When you first connect a USB device to your Windows® XP or Vista® PC, the “Found New Hardware” wizard will appear and prompt you to install the drivers. Select the appropriate option based on your operating system (see below).

XP - Select the “Install the software automatically (Recommended)” option. This should appear in the second screen of the XP “Found New Hardware” wizard.

Vista - Select the “Locate and install driver software (Recommended)” option. This should be the first screen of the Vista “Found New Hardware” wizard.

After completing the wizard procedure, the USB device should be operational with your PC

Issues Corrected in v1.8.0

- RND 0010686 CEM+ integration is writing over customer labels & text fields in Patch
- RND 0010662 Ion as Client causes Patch display to always by Patch by Channel
- RND 0010633 “Address in Use” advisory should not be displayed if address has no channel
- RND 0010620 CEM Created Dimmers default to only perform streaming ACN
- RND 0010611 Block cues are not Asserting on Element
- RND 0010591 The Lamp Control Channel of the GiottoSpot 400 CMY fixtures is defaulting to zero which equals Lamp Off.
- RND 0010590 Effects crash when French translation is loaded
- RND 0010589 RDM Discovery button should work for CEM+ and FDX as well as RDM
- RND 0010584 Patching creating unnecessary second part
- RND 0010579 Re-recording of Snapshots on the backup Eos aren't being saved after reboot of Eos
- RND 0010578 EOS 1.4.5 Show Files can play differently in EOS 1.8
- RND 0010569 Crash when patching a VariLite - VL7B_M10
- RND 0010544 [chan 1 -1 Flexi_ViewChannels] hangs Eos
- RND 0010538 Martin - Mac 250 Entour Ext missing Gobo 1 “Rotate” mode
- RND 0010537 100 Channel mode causes 3 to 5 sec lag
- RND 0010526 CEM+ address information isn't deleted from the channel when the address is repatched
- RND 0010525 SHELL - Chinese language translation not working
- RND 0010523 MAC - saving to Show Archive does not work if the folder does not exist
- RND 0010516 Client reconnect does not require sync confirmation
- RND 0010503 Color Picker display “jumpy” while doing a CMY fade
- RND 0010502 Marked preheat intensities not recording as 0's
- RND 0010500 Wybron - Forerunner has incorrect Gel color DMX ranges
- RND 0010499 Elation Powerspot 700 CMY - Shutter Problems
- RND 0010469 In Cue Only mode effects are incorrectly tracking when using copy to
- RND 0010467 [Color Format] does not affect referenced data
- RND 0010448 Copied Fixtures Lose Their Color Matching Data
- RND 0010447 Can't select files on Arkaos VJ v3.6.1 Fixtures when in 'Text' mode
- RND 0010439 Multi-intensity fixtures fade LED colors with the master intensity
- RND 0010438 Fixture Editor is not adding virtual Intensity, Hue, and Saturation
- RND 0010425 Able to create duplicate dimmer numbers in Patch
- RND 0010423 Can't update a nested gel picked color
- RND 0010422 Shell: unable to choose between launching OLE in fullscreen or windowed mode
- RND 0005454 DHCP Server settings in the Shell are not sticking, (Subnet Mask, Routed Network check box and Default IP Gateway).
- RND 0005451 Clicking on an empty line in the Ranges Editor takes control away from editing of the range
- RND 0005448 [RecallFrom Preset 1] no longer posts [MakeAbsolute] softkey
- RND 0005446 Table View column resizing disabled due to refresh issues.
- RND 0005442 Recalling snapshots can leave duplicate displays and tabs.
- RND 0005435 Rosco DLC and PLC Scrollers Should Not Recalculate Their Gel Ranges
- RND 0005431 “Patch By Address” missing channels seen in “Patch By Channel”
- RND 0005430 [Home] not always using manual time in setup
- RND 0005429 Shell - offline Mac shell checkbox for enabling iRFR does not work

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Issues Corrected in v1.8.0 [Continued]

RND 0005428 Snapshots with 3 monitors locks up
RND 0005425 Pressing [Escape] doesn't close the Effects tab
RND 0005416 EOS Crash After Manipulating Color on Clay Paky Golden Scan Fixtures
RND 0005415 The Playback Status display is not staying in sync with the auto-triggered cues.
RND 0005414 Snapshots no longer capture Direct Selects when they are set to 100 button mode.
RND 0005402 Double-clicking target keys in virtual keyboard should open the target list views
RND 0005400 The Master Fader area of the Slider Status and Fader Status displays are not always showing Cues.
RND 0005399 [About + Load], disables load button until restart
RND 0005398 External Links are not displayed consistently - Cue 1/1 is displayed differently than Cue 2/1.
RND 0005392 Unexpected crashes and output when master takes control from backup
RND 0005391 Ion should not require a mouse to select functions in Setup Mode
RND 0005390 Media Servers Cannot Set RGB Below 0%
RND 0005387 ML Controls has a tab number but no tab name in Eos
RND 0005382 Mode Parameters should Snap to the Cues End Value after the Cue's Delay
RND 0005376 Focus and Color Effect type in display is determined incorrectly
RND 0005374 Effects should not be able to run on captured channels
RND 0005366 Displays not expanding in 100 channel mode
RND 0005353 Table View, selecting channels not included in the current Flexi view does not auto page the display.
RND 0005351 Setting manual level doesn't stop NI effect
RND 0005345 Fixture homing doesn't release all parameter values from manual selection
RND 0005340 Label key is ignored while fixture buttons are displayed in Patch
RND 0005336 Clients can't "Go Offline" from the Network Configuration screen
RND 0005335 Clients that have never connected to a master, display as offline.
RND 0005323 Bump button value not being displayed in Submaster Display
RND 0005188 Non-Dimmer Doubled addresses are being displayed as one in About Address
RND 0005183 Setup - manual down time ignored, always uses up time
RND 0005132 Framed parameters are moving from a zero level to 0.5 when recorded and after a [Go To Cue] [Out].
RND 0005093 Offline outputs not switching to lowest priority
RND 0005071 No confirmation message when recording over an existing Snapshot.
RND 0005058 Virtual sliders not paging correctly
RND 0005003 Switching formats from Chan view to Table view doesn't always show the selected channels.
RND 0004952 Externally linked Cues should use Go To Cue time not Cue time.
RND 0004833 CopyTo in Live always sets color to CMY format
RND 0004669 [Clear] [Enter] should not unown captured channels
RND 0004488 Stop/Back not changing effect attributes (rate, size, etc)

Known Issues Remaining in v1.8.0

RND 0010768 Wybron CXI Hue/Saturation Control not accurate enough
RND 0010678 Cannot assign channel blocks to cue parts using update
RND 0010659 [recall from] of blocked level over a range of cues, creates unnecessary blocks.
RND 0010645 Effect editor arrow keys not working properly
RND 0010637 About window sometimes shows level that is off by one from display/network level
RND 0010634 [Select Active][select manual] and [thru] ranges should not include channels outside of your partition
RND 0010616 Cannot set technobeam color wheel to a DMX value of 10
RND 0010614 Highlight affecting selected channels outside of users partition
RND 0010612 [chan 1 thru 5 select active] including preheat channels
RND 0010607 Solo mode not stopping all external links to cuelist
RND 0010576 Flexi patch on expanded monitors shows duplicate channels
RND 0010558 Blind spreadsheet ignoring flexi mode on startup
RND 0010542 Split screen PSD resizes top display to 1 row on start
RND 0010531 Expanding the Direct Selects is changing the Slider Display Offset
RND 0010529 RDM and CEM+ Patched Channels do not indicate an Error when they go offline
RND 0010528 Learning Flexi View Channels macro doesn't work

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Known Issues Remaining in v1.8.0 [Continued]

- RND 0010498 Non-existent parameter categories for a fixture are displayed in collapsed Live Table
- RND 0010495 [Effect 1 step 1 thru 5 Chan 1] only puts chan 1 in step 1
- RND 0010473 Double key hits stops macro playback
- RND 0005449 RFR left thumbwheel doesn't work when eos is set to a non-English language
- RND 0005447 Ion snaps to full during manual cue playback
- RND 0005433 Fixture Updates Do Not Always Update Parameter Defaults
- RND 0005421 Eos Offline windows don't display all information or buttons when resized.
- RND 0005419 [F4 – Format] doesn't work in PSD for MAC offline after installing it
- RND 0005396 Cue macros with [Park][Park] don't change mode to park
- RND 0005370 Expanded monitors not updated in Patch by Address/Patched Flexi mode
- RND 0005350 CMY Effect not playing, when in HS format
- RND 0005349 Automark ignores intensity effects
- RND 0005182 Unplugging and plugging a Gateway causes Eos to lock up
- RND 0005161 Expanded Patch display shows duplicate information
- RND 0005123 Channel Table parameter configuration lost, when address changed in patch
- RND 0005010 Address Checking across parked addresses is un-parking those addresses.
- RND 0004765 flash next/last does not skip NI parameters
- RND 0004763 [Cue Intensity Block] only blocks master intensity for multiple intensity devices
- RND 0004748 Changing the Language on Eos or Ion causes the external keyboard to stop working.
- RND 0004422 Changes to serial settings on Eos require a restart
- RND 0004266 Effect [Grouping] doesn't work with non-default [Trail]
- RND 0004102 Submaster HTPing with Captured manual level
- RND 0004092 Clearing out of a highlight state by pressing [High/Low] again does not take channels without background levels to their home position
- RND 0003823 Cue delay time does not apply to an effect
- RND 0003727 Moving a single part of a part cue to a whole cue is incorrect
- RND 0003576 MoveTo In patch, appends to destination rather than overwriting it
- RND 0003329 When an address conflict occurs within different parts of the same channel, a confirmation is not required.
- RND 0002937 MIDI time code events not syncing up between Master and Backup after opening from a different show
- RND 0002590 Blocking a cue stops effects that were tracking into it
- RND 0002316 Step Effect – deleted steps reappear if an arrow key is the first key pressed after deleting.
- RND 0001996 [Select Active] is not grabbing active channels within a single part.