

ETC® Release Note

Eos® Family Lighting Control Software



Product Line:

Eos Lighting Control Family

Description:

Version 1.7.0 software

Eos Lighting Control Family Software Components

Eos FamilyConsole MainApplication	1.7.0.9.0.5
ECU	1.7.0.9.0.3
XPe (Eos)	2.1.0.9.0.2
XPe (Ion, RPU)	2.1.0.9.0.2
XPe (RV1)	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	4.0.17.9.0.1
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	5.0.0.9.0.33

Engineering Change Master (ECM):

500005799

Effective Date:

2009-07-30

Purpose

The purpose of this release is to add several major functions to Eos and Ion including dimmer feedback from Sensor[®]+, RDM configuration, setting gel color matches from the command line, the method of displaying frame table information, and effects on submasters. Many additional features have also been added to Eos and Ion, and some issues have been fixed in Element. Please see [Key Enhancements in 1.7.0 on page 3](#) for more information. This software release is highly recommended for all users of the Eos Family platform (Eos, Ion[™], and Element[™]).

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.etconnect.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 v1.7 Operations Manual Revision A. The current documentation for Ion is 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 v1.7.x. However, v1.7.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 v1.7.0 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 v1.7.0 is incompatible with hardware and software running ETCNet1

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

Key Enhancements in v1.4.5

- Bug fixes.
- Fixture library update.

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 v1.7.0 release, you will need to download it from the ETC website, 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).

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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 v1.7.0:

- 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_v1.7.0.9.0.5**, 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 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 v1.7.0

- 5355 DHCPd error if DHCP Server run from GCE AND THEN from the Shell
- 5319 Channel faders outputting unneeded manual 0
- 5277 We need an advisory when all Addresses are used.
- 5181 Shell Maintenance selections available before commands can be processed.
- 5155 [Stop/Back] doesn't always keep the marked parameters

Issues Corrected in v1.7.0 [Continued]

- 5138 Undo/Redo of Fixture changes in Patch can cause a crash (rare)
- 5120 Patch addresses that are assigned a type but not a channel are shown in CIA as used addresses
- 5113 Custom color scrollers are not controllable after first being created
- 5067 Delete in patch not removing cue effects
- 5066 Replace with is treating references as absolute data
- 5062 MAC: Using color picker to match a gel color does not work
- 5061 Cannot modify system settings for network RFR or iRFR
- 5043 NIs on subs are sometimes HTPing
- 5016 PDF file prints unpatched fixtures
- 5009 Blind edits to a Sub that was triggered via a timed bump removes that Subs live output.
- 4994 Master's directory does not appear in clients import directory
- 4993 Only the first 36 lamp controls can be accessed from the macro editor, and controls do not refresh on patch changes
- 4989 Change name of FixCtrl to LmpCtrl
- 4963 RFR unable to park channels after restarting master
- 4962 Playback Status Display not refreshing after file load
- 4957 Fixture Editor – new fixture names cannot be edited
- 4944 Add an indication at the top of the displays when an address is parked.
- 4941 Change the text of the “Done” softkey in the fixture editor to “Return”
- 4938 Delete Generic/Non_Dim Fixture
- 4923 Lamp control step times need to allow decimal number of seconds
- 4915 Highlight Remdim, setting manual levels below remdim level to remdim level
- 4911 Target list need to highlight the current target
- 4910 Add a Display Tab text at top of each display
- 4902 Independent Sub values are stolen by non-independent Cue lists.
- 4901 Clients disconnect when syncing with large showfile
- 4896 Labels in direct selects should be centered unless they are too large...in which case they should be Top justified.
- 4895 The tab for the Park display should say “Park” instead of “Park Channel”
- 4874 Flexi active does not include moves to 0
- 4851 Changing a custom fixture from remote dimmer to internal does not restore intensity parameter
- 4849 Stolen channels blink when faded by executed cue.
- 4835 [chan 1 at -10] in range of cues deleting moves
- 4804 Eos is not sending Midi for follow cues
- 4783 Cannot use a macro to shutdown eos
- 4775 Merge of Fixtures is blowing away all current Fixtures in the Patch.
- 4769 On Ion, the display sliders have no label to indicate what they do
- 4766 Setup Encoder acceleration not reset by [Reset] button
- 4745 Partial show reading of system settings should include Partitions
- 4737 - chan n @ Full/Level/Out] are not allowable commands.
- 4736 Ion: Blind Spreadsheet not an option when going into Blind
- 4733 ASCII export doesn't distinguish between follow time and hang time
- 4729 ASCII Export tracked channel levels sometimes have erroneous levels
- 4722 Information lost on re-registration of Pathport Gateways
- 4689 The About Channel – Usage window is not updating correctly when a channel has been deleted.
- 4685 Independent subs are outputting a 0 when the slider is at home
- 4673 Able to get multiple instances of the same tab # when in a 3 external monitor configuration.
- 4671 On startup, motorized pot not moving to inhibitive sub
- 4665 Snapshots not remembering fader pages on fader wings
- 4663 Wrong cue fired on startup
- 4654 [Make absolute] not working across range of cues in blind
- 4649 Patch address grid is inaccurate near the bottom
- 4647 Copying and creating gobos doesn't update the fixture
- 4642 Changes made in fixture editor not updated in Cues, Palettes, Presets
- 4635 User should not be able to configure a GM as 2 or 3

Issues Corrected in v1.7.0 [Continued]

- 4634 GM snaps to level after re-enable
- 4612 Ion – booting up with the Grandmaster at 0% causes lights to flash.
- 4597 Absolute effects always fading in HS space, even if all steps are CMY
- 4595 Eos/Ion offline windows not repositioned correctly when going from 2 monitors down to 1.
- 4585 Can't close virtual direct selects if opened after removing a button module
- 4573 Command Line added to CIA on Ion
- 4554 On Ion, deleted subs reappear after a restart
- 4552 [Next/Last] after completed command line is reposting last command
- 4545 Shutter dependencies not selectively recording consistently
- 4542 After an Undo - commands that were "undone" should no longer appear in Command History
- 4540 When 'Serial Enable' is disabled in Show Settings, EOS still Subscribes with IO Gateway
- 4537 Changing the language and keyboard to Francais shows the shell in Deutsche language
- 4525 Running a macro with <Setup> in it causes Record Target keys to go into blind mode.
- 4494 SHELL - entering an invalid IP address disables networking after reboot
- 4487 [Home] leaves some color values manual
- 4440 [chan 1 Make Absolute CueOnly] not working
- 4425 [Chan 1 at Full Channel Check] Next undoing manual encoder changes
- 4419 Addresses of patched custom fixtures aren't updated when fixtures DMX is edited.
- 4414 A zero-parameter fixture can be created
- 4402 Can still put "invisible" parameters on the command line by pressing encoders on Ion
- 4396 Channel Tombstone view doesn't page from last to first channel
- 4389 After removing Params when Expanded, they are only removed from the Main Display, not the Expanded Display.
- 4371 Encoder clutch not toggling back after a calibrate command
- 4339 Ion LCD is not displaying an active cue that owns no levels correctly.
- 4323 The Live/Blind displays do not update to show the correct parameters after updating the Library.
- 4321 Fader wing load displaying Sub syntax error on command line after released
- 4306 Virtual encoder in opposite order vs. Ion physical encoders.
- 4256 Selecting specific parameters with [+] and [-] modifies the entire respective category's level.
- 4230 If you have a copied fixture patched and change its home values for parameters, all parameters above 0 will flash
- 4227 [Park Enter] vs. [Address Park Enter]
- 4213 RVI and Offline cannot expand when in Eos Client mode
- 4150 Switching to 100 channel view doesn't change expanded displays
- 4146 Backup can incorrectly indicate tracking
- 4128 Intensity master indication not shown on 2 x 10 or 2 x 20 LCD display
- 4098 Mac laptop channel display zoom not working
- 3814 Some displays not restored by persistent storage
- 3730 With 3 monitors, expanding a tab to the right from M2 expands to M1
- 3712 On Ion, clicking [Data + Category] turns off the filter button, but not filter mode
- 3578 Channels above the number of channels in setup are being displayed.
- 3523 Using keyboard shortcuts, can not double press record target to open lists.
- 2753 Going from the Patch display to the Blind display via [Cue] [Cue] causes a syntax error.
- 2401 The command line is not displaying LTP when toggling a Cue List between HTP and LTP.
- 102 Timed Inhibitive Submaster Bump should be able to fade Up/Dwell-Hold/Down like Obsession.

Known Issues Remaining in v1.7.0

- 5366 Displays not expanding in 100 channel mode
- 5360 Playback faders don't reset to 100% when a cue is recorded
- 5353 Table View, selecting channels not included in the current Flexi view does not auto page the display.
- 5351 Setting manual level doesn't stop NI effect
- 5350 CMY Effect not playing, when in HS format
- 5349 Automark ignores intensity effects
- 5345 Fixture homing doesn't release all parameter values from manual selection
- 5340 Label key is ignored while fixture buttons are displayed in Patch

Known Issues Remaining in v1.7.0 [Continued]

- 5336 Clients can't "Go Offline" from the Network Configuration screen
- 5335 Clients that have never connected to a master, display as offline.
- 5325 Offline [Enter] does not work in the browser
 - Workaround:** double click instead of using [Enter]
- 5323 Bump button value not being displayed in Submaster Display
- 5188 Non-Dimmer Doubled addresses are being displayed as one in About Address
- 5183 Setup - manual down time ignored, always uses up time
- 5182 Unplugging and plugging a Gateway causes Eos to lock up
- 5169 Labeling a Snapshot from Live automatically fires that Snapshot.
- 5161 Expanded Patch display shows duplicate information
- 5132 Framed parameters are moving from a zero level to 0.5 when recorded and after a [Go To Cue] [Out].
- 5123 Channel Table parameter configuration lost, when address changed in patch
- 5093 Offline outputs not switching to lowest priority
- 5071 No confirmation message when recording over an existing Snapshot.
- 5058 Virtual sliders not paging correctly
- 5023 Snapshots cannot set the Direct Selects to Expanded mode.
- 5018 Sub without all color parameters is ignored for alternate color format
- 5010 Address Checking across parked addresses is un-parking those addresses.
- 5003 Switching formats from Chan view to Table view doesn't always show the selected channels.
- 4960 [Back] needs to backup externally linked Cues using the Back Time of the desk that issued the command.
- 4952 Externally linked Cues should use Go To Cue time not Cue time.
- 4833 CopyTo in Live always sets color to CMY format
- 4765 flash next/last does not skip NI parameters
- 4763 [Cue Intensity Block] only blocks master intensity for multiple intensity devices
- 4760 SHELL - advanced monitor settings don't work on Eos console
- 4748 Changing the Language on Eos or Ion causes the external keyboard to stop working.
- 4669 [Clear] [Enter] should not unown captured channels
- 4664 With the Command History window open, the Page UP/Down keys do not work.
- 4619 Setting level in blind doesn't remove effect
- 4598 RFR requires reboot after Eos power cycle when connected via USB
- 4488 Stop/Back not changing effect attributes (rate, size, etc)
- 4422 Changes to serial settings on Eos require a restart
- 4266 Effect [Grouping] doesn't work with non-default [Trail]
- 4102 Submaster HTPing with Captured manual level
- 4092 Clearing out of a highlight state by pressing [High/Low] again does not take channels without background levels to their home position
- 3823 Cue delay time does not apply to an effect
- 3727 Moving a single part of a part cue to a whole cue is incorrect
- 3329 When an address conflict occurs within different parts of the same channel, a confirmation is not required.
- 3275 Selecting an address that is in a range that a fixture is already using does not assign the whole range to a channel
- 2937 MIDI time code events not syncing up between Master and Backup after opening from a different show
- 2590 Blocking a cue stops effects that were tracking into it
- 2316 Step Effect – deleted steps reappear if an arrow key is the first key pressed after deleting.
- 1996 [Select Active] is not grabbing active channels within a single part.