

ETC® Release Note

Eos® Family Lighting Control Software



Product Line:

Eos Lighting Control Family

Description:

Version 1.9.0 software

Eos Lighting Control Family Software Components

Eos FamilyConsole MainApplication	1.9.0.9.0.54
ECU	1.9.0.9.0.9
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	1.3.0.0.0.20
ETCNet2	4.0.18.9.0.1
AppMux	4.0.7.9.0.0
Network Common	1.3.0.0.0.5
Network IPCFG	1.3.0.0.0.6
Carallon Library	6.0.0.9.0.11

Engineering Change Master (ECM):

500006710

Effective Date:

2010-04-01

Purpose

The purpose of this release is to provide additional functionality to the product family. These additions include significant changes to the update function, the addition of by type, locked and absolute palettes, and using a Mac client on an Eos Family network. This release also adds snapshots, query, and Eos-style tab functions to Ion.



Note:

As of this release, use of the Scroll Lock key to access Hot Keys on an alphanumeric keyboard when using a client or an ETC produced Eos processor is no longer required.

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 © 2010 ETC. All Rights Reserved. ■ Product information and specifications subject to change.
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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 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 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 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 v1.9.0 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 v1.9.0 is incompatible with hardware and software running ETCNet1.

Key Enhancements in 1.9.0

• **Eos, Ion, and Element Features**

- Mac client
- Multiple Intensity effects on a single channel.
- New column in the PSD, wherein an "L" indicates any light fading from zero to an active level that also has NPs moving or a "D" indicates any light with NP moves while the light is inactive and a + indicates both.
- The scroll lock key is no longer needed to engage hotkeys on the client/offline. That is the default state.
- Content of NPs on I-Master subs can be released by pressing the bump button again. The LED pulses when the lights are in a marked state.
- Remote Device Start up/Shut Down
- Remote software install on all connected ETC processors. *(All devices **must be** upgraded to version 1.9 before remote software installation will be available.)*

• **Eos and Ion Features**

- Changes to Update:
 - Redesign of content in the Update Dialogue Box
 - De-selection of update targets via the update dialogue box
 - Break Nested and Update Last Ref as modifiers to three basic update methods of All, Make Absolute or Reference Only.
 - User setup option to define your preferred update method, including your preferred modifiers (rather than the CIA remembering your last choice)
 - The ability to update manual overrides to manual references without specifying the target.
- By Type Palettes, with the ability to define discrete parameter data for an individual channel.
- Locked Palettes, which won't be modified by a generic update (a targeted update where the specific channels and the target is required).
- Absolute Palettes, which automatically breaks the link to the palette upon recall.

• **Ion Only Features**

- Tabs - so what was your "swap" key becomes a "tab" key.
- Query
- Snapshots
- The 1-to-1 sub mapping is being removed. Instead, when the page button is pressed, the last button on your available fader wings toggles to channel mode.

Key Enhancements in 1.8.2

- Bug Fixes
- There are no new features in this release.

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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 v1.9.0 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 v1.9.0:

- 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_v1.9.0.9.0.54**, 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.

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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 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 v1.9.0

- RND 0011830 MultiConsole Backup/Client lags behind Primary under stressful conditions
- RND 0011820 Cue list [Solo] not enabled on newly connected clients
- RND 0011780 Swapping Pan and Tilt doesn't allow tilt to hit full DMX range
- RND 0011753 AVAB/UDP briefly outputs zero levels when backup takes control
- RND 0011731 Having the Effect Status display open can cause output to slow down
- RND 0011730 In Live, [chan 1 time + 5] not adding to discrete time
- RND 0011729 I-Master subs unmarking NI's when bump is released
- RND 0011720 Eos remembers that there were CEM+ errors existing when it is restarted.
- RND 0011634 RFR parks channels during address check
- RND 0011596 Artnet briefly outputs zero levels
- RND 0011558 Editing a Fixture's Range in the Fixture Editor Doesn't Change the Range's Value in Live
- RND 0011403 When in 100 button mode, the direct select buttons don't page properly for anything other than channels
- RND 0011400 [Replace With] incorrectly breaks marked cue range in blind
- RND 0011388 Strobe Parameter Control is Broken on Fixtures With Both Intensity & Strobe on a Single DMX Channel
- RND 0011368 Effects running on exclusive subs should not be recorded
- RND 0011337 Delete fixture crash
- RND 0011331 SMPTE learn always creates events with cue list 1
- RND 0011289 ML Controls - parameters ordering is not consistent with all other displays
- RND 0011283 Pressing [Macro][Macro] crashes in the about channel patch tab
- RND 0011267 Eos Mirroring Eos, when displays are on the internal touch screens, Zoom is not working correctly in all instances.
- RND 0011254 Flexi softkeys appear in patch display, but they do nothing
- RND 0011253 [manual override] does not preset master fader if mapped to non-zero playback
- RND 0011211 Remove About Status Column from About Channel
- RND 0011209 About Channel – Next Intensity Level is covered by {Current Value} button
- RND 0011202 Merge show file from a client is changing show file path
- RND 0011146 VL2500 Wash Fixtures need longer lamp commands
- RND 0011145 Wybron Coloram_2_Scroller_Fan_Enabled profile has incorrect scroller fan range
- RND 0011135 Blind Spreadsheet displaying incorrect levels
- RND 0011091 Generic Scroller cannot be calibrated
- RND 0011032 Invert Pan and Swap Pan/Tilt always display as 'On' in About Address
- RND 0011031 Lamp commands for The X-Spot Xtreme fixtures are not setting the Shutter parameter to zero.
- RND 0011013 Able to patch address within address range
- RND 0011004 Utilization report is incorrectly calculating the "Cues referencing this preset"

Issues Corrected in v1.9.0 [Continued]

- RND 0010971 A Deep Clear on an Element should result in a 1 to 1 Patch.
- RND 0010969 Mirror devices are not paging Blind Spreadsheet and Blind Channel displays correctly.
- RND 0010967 Discrete channel timing is not displayed when pressing {Time} on the mirrored device
- RND 0010948 Inhibitive subs displaying all NIs as Inhibitive in spreadsheet
- RND 0010929 GoTo Cue should not execute follows on synced cue list
- RND 0010898 Mac - Apple menu bar covers part of the main display
- RND 0010815 Restarting Element application causes address 500 to become patched
- RND 0010803 Not closing the Scroller Expand screen on the new color encoder display causes the screens to overlap when a new channel is selected.
- RND 0010801 After pressing Tab on a keyboard you cannot use the keyboard arrows to page displays
- RND 0010797 Changing the update mode (Update All, Make Absolute and Break Nested) causes the displays to autopage.
- RND 0010786 blind edits to LTP subs at full do not happen live
- RND 0010762 About Channel Moves display is blank if the channel is manual
- RND 0010751 [Chan 1 at Full Sneak 10] snaps effect off instead of sneaking it
- RND 0010720 [Select] is not working to make Mirror Mode selections.
- RND 0010707 "C" not displayed for captured channels after recalling cue
- RND 0010637 About window sometimes shows level that is different from display/network level
- RND 0010634 [Select Active][select manual] and [thru] ranges should not include channels outside of your partition
- RND 0010614 Highlight affecting selected channels outside of users partition
- RND 0010612 Select Active includes channels that are preheating
- RND 0010607 Solo mode not stopping all external links to cuelist
- 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 0010528 Learning Flexi View Channels macro doesn't work
- 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 0005419 [F4 - Format] doesn't work in PSD for MAC offline after installing it
- RND 0005370 Expanded monitors not updated in Patch by Address/Patched Flexi mode
- RND 0005350 CMY Effect not playing, when in HS format

Known Issues Remaining in v1.9.0

- RND 0011875 Eos Client - Windows 7 compatibility issues
Workaround: Please see the Eos Family Client Kit Quick Guide v1.9 for more information.
- RND 0011853 Blocked Parameters Breaking Marks
- RND 0011823 updating cue out of sequence not releasing manual levels when it should
- RND 0011819 Setup allows user ID above 10, but it is reset to 10 on startup
- RND 0011798 step effect w/ stop-n-hold exit doesn't hold the last step.
- RND 0011789 LED doesn't blink when bumping Inhibitive subs
- RND 0011788 Scroll Lock needs to be enabled to enter text in Patch
- RND 0011783 Opening shows at backup/client from the Master's hard drive will freeze the console, if the show no longer exists
- RND 0011779 Rem Dim does not override intensities coming from Intensity Effects.
- RND 0011778 Channel selection is not remembered when adding/removing parameter categories in Blind Spreadsheet
- RND 0011776 American DJ Mega Pixel profiles are missing the first Color Macro.
- RND 0011752 Updating referenced level is removing autoblock
- RND 0011750 Having the Physical Faders and Virtual Faders on the same page can cause pots to get out of sync and have levels snap.
- RND 0011690 Mac client not displaying rack data
- RND 0011683 Expanded monitors in Blind Spreadsheet are not being displayed correctly.
- RND 0011660 Duplicate Wheel Definitions Shown in Patch After Loading a Show
- RND 0011616 [chan 1 update group X thru Y] only updates group X

Known Issues Remaining in v1.9.0 [Continued]

- RND 0011588 In live, [cue 3/] selects first cue in list 3, not active cue in list 3
- RND 0011587 Resizing of the channel column in step effects doesn't stay as configured when you change steps
- RND 0011583 Mac client doesn't work in trackball mode.
- RND 0011572 Fader Wings that are set to Channel Mode can set levels on deleted Channels.
- RND 0011535 Printout for cue list doesn't show timing/flags or executes
- RND 0011514 Once a display is expanded, pressing [Expand] should toggle it in and out of Expanded display
- RND 0011506 Moving a ML fixture in Patch causes a "C" to be left behind in Live Table
- RND 0011404 Direct Selects selections (example: presets, channels,...)are not saving with the Snapshot in CIA
- RND 0011389 [chan 1 flash flash] removes manual channel levels on other channels
- RND 0011384 Manual changes made to NI's during rem dim, are removed when you press next/last
- RND 0011378 Flash and Chan Check not cycling through channels with Next/Last on a group of selected channels
- RND 0011339 Full merge changes current show file name to that of the file being merged
- RND 0011338 The Fader Wing Identification feature and the Wing itself may not work correctly if a Wing is connected while the console is on.
- RND 0011334 Selecting just the DMX Patch button in print to PDF file prints nothing
- RND 0011325 Not able to unpark Scaled Parks from Park display
- RND 0011317 Live Channel view auto pages when the desk record default settings are changed
- RND 0011304 [recallFrom Preset 1] [at] is not selecting preset 1's channels.
- RND 0011255 Completed cue is not displayed with gold background while other cues are still running.
- RND 0011221 Virtual and Physical encoders parameter data displays respond differently to fixtures with non matching parameter min/max values
- RND 0011192 Current Cues display in iRFR
- RND 0011111 AIINPs key includes Intensity when no other parameters are patched
- RND 0011089 Disabled Grandmaster can cause GM level to be set at fader position on startup and disabling Blackout while it is in blackout causes console to stay in blackout.
- RND 0011020 GM at 0% doesn't fade lights up after restart of application
- RND 0010903 Unable to learn Lamp Control Macro
- RND 0010902 When the default Assert Time is set to zero, when LTP Subs are asserted they go to an incorrect level.
- RND 0010863 Not able to use Hue/Sat for scrollers after a File-New on the new color encoder page
- 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 0010765 Multiconsole allowed on devices running different builds of Eos, causes a sync error that can not be cleared.
- 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 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 0010616 Cannot set technobeam color wheel to a DMX value of 10
- RND 0010576 Flexi patch on expanded monitors shows duplicate channels
- RND 0010558 Blind spreadsheet ignoring flexi mode on startup
- 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 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]

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Known Issues Remaining in v1.9.0 [Continued]

- 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 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.