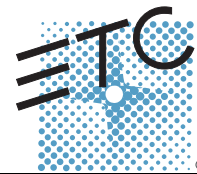


ETC® Release Note

Eos™ Lighting Control System Software



Product Line:

Eos Lighting Control System

Description:

Version 1.1.0 software

Eos Lighting Control System Software Components

Eos Console	1.1.0.9.0.7
Eos Common	1.0.0.9.0.9
ECU	1.1.0.9.0.4
XPE	1.1.0.9.0.1
ACN Libraries	1.0.0.9.0.75
ETCNet2	4.0.13.9.0.0A
AppMux	4.0.7.9.0.0
NicPicker	1.2.0.9.0.1
ETCNet2WR	1.0.0.9.0.11
Network Common	1.0.0.9.0.42
Network IPCFG	1.0.0.9.0.38
SLPD	1.0.0.9.0.76
Carallon Library	2.7.0.9.0.16

Engineering Change Master (ECM):

500002313

Effective Date:

April 26, 2007

Purpose

The purpose of this release is to add features (listed below) and correct a number of previously found issues. This release delivers fully synchronized backup, new and refined features as well as enhanced reliability and is highly recommended for all Eos installations. 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 you. A list of ETC offices is given at the bottom of this page.

Availability

You may obtain this release of software either by downloading it from the ETC website or by requesting a software kit from your nearest ETC office listed below.

Additionally, upgrade kits (ETC Part # 4250S1002) will be sent to all known Eos v1.0 installations automatically and free of charge. This kit includes the Eos v1.1 Recovery CD, the Eos v1.1 Upgrade CD (including Net3 Services), a keycap puller (to aid in moving a couple keys detailed below), and this release note.

Documentation

The current documentation for Eos is the Eos v1.0 Operations Manual. An Eos v1.1 Operations Manual will be released shortly after the software. Please keep this release note with your user manual for descriptions of the newest features, changes and bug fixes in Eos. 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™ v5.x and later.

Compatibility

ACN

All Net3™ products powered by ACN that meet or exceed ESTA ratified standard BSR E1.17 2006 Architecture for Control Networks (ACN)



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Web: www.etcconnect.com ■ QSF 4.1.9.1 ■ Copyright © 2007 ETC. All Rights Reserved. ■ Product information and specifications subject to change.
■ 4250M1100-1.1.0 ■ Rev A ■ Released 04/2007

ETC Release Note:

Eos Software v1.1.0

ETCNet2

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

- **Eos Lighting Control System** - Version 1.1.x and later software.
- **Congo™/Congo jr Lighting Control** - Version 4.x.x 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 4.0.x and later software.
- **Net3 Four Port Gateway (ETCNet2 mode)** - Version 4.0.x and later software
- **ETCNet2 DMX Node** - Version 4.0.x software.
- **ETCNet2 Two Port Node** - Version 4.0.0 thru 4.1.x software.
- **Unison®** - Version 1.9.x software.

Incompatibility

Eos v1.1.0 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)

Eos v1.1.0 is incompatible with hardware and software running ETCNet1

Key Enhancements in v1.1.0

- Synchronized backup, either through a second Eos console or an Eos Remote Processor Unit (RPU)
- New displays formats for playback status and live/blind table displays
- MIDI Input via Net3 Show Control Gateway
- Queries
- Direct selects anchored by whole number, with recording directly to the direct select enabled
- Display of palettes and presets by label or by number
- Configuration of submasters directly from command line
- Partial show reads
- Dimmer-Doubling™ support
- Fixture Library enhancements

Key Enhancements in v1.0.0

- Initial release of software.
- A few notable initial product features:
 - Provides Power over Ethernet (PoE 802.3af) via 4 Ethernet ports
 - 2 full size LCD touchscreens for display, direct selection and context sensitive control
 - LCD direct selects with tactile response
 - Master playback pair with motorized 100mm faders
 - 10 100mm motorized faders x 30 pages for configurable faders, submasters, masters

ETC Release Note:

Eos Software v1.1.0

- and grandmaster control
- Effects provide dynamic relational and absolute progressive behavior.
- Supports three VGA or DVI monitors starting at 1280x1024 resolution
- USB ports for flash drives, pointing devices, keyboards

Installation Instructions

New Eos Lighting Control Systems will ship with the current version of software loaded and you should not need to update the software in the console to begin using it.

Key-Cap Update

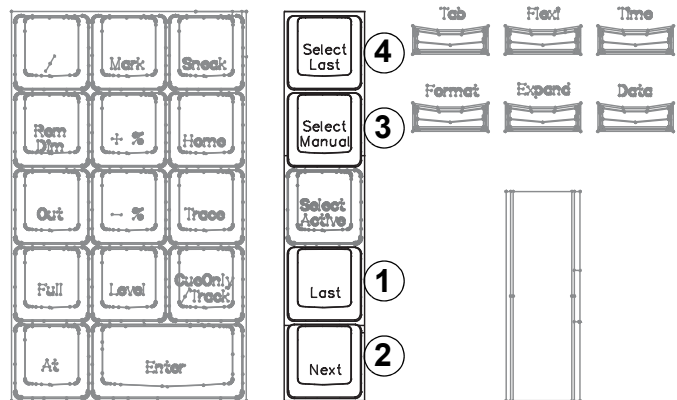
From Eos v1.0 to v1.1, four (4) keys have been re-mapped and require that you move the physical keys on the console keyboard to match the software.

- Step 1: Use the key puller provided to remove the four keys shown below in the order indicated.
- Step 2: Place the keys in their new correct positions and press them down firmly.

Below is the correct orientation to use the key puller for these keys.



It will work best if you remove the keys in the order shown by the numbers next to each location.



This is the **correct final position** for the keys. Only the four dark keys in this column need to be moved.

Software Installation

There are two different courses to take to install software on your Eos console for this release.

One is to use the Update CD which updates individual components of the software to achieve the overall update. This may require running multiple installers depending on what needs to be updated in the release. The advantage of this method is that it leaves all of your show data intact and undisturbed.

The second method is to use the Re-Imaging CD which completely erases your Eos hard drive and replaces all of the files from scratch. This method will require that you backup your show files to a USB drive that you want to keep. You will later need to load the show files individually and save them back to the Eos console hard drive. The advantage of this method is that you get a full, clean and fresh factory default installation of the software.

Using the Update CD on an Eos Console

At a minimum, be sure to save your current active show file before beginning this upgrade process.

Update Eos

- Step 1: Get to the Eos Configuration Utility (ECU - sometimes referred to as the Eos Shell) by either exiting Eos (CIA>File>Exit Eos) or by starting up Eos and clicking on the "Launching Eos in..." button.
- Step 2: Insert the Installer CD in the CD drive.
- Step 3: In the ECU, click on **Settings**.
- Step 4: Then click on **General**.
- Step 5: Scroll to the bottom of the **General** tab and click on **Software Update**.
 - This scans the root directory of all available drives (USB drives & CDs) for valid installers. It will then present the installers it found one by one for you to choose which one you want to use.
- Step 6: When the "Found Installer" dialog pops up, click **No** until you see **Eos_Console_v1.1.0.9.0.7**, then click **Yes**.
 - This launches a standard Installshield application to direct you through the install.
- Step 7: Leave the default choice of **Remove** and click **Next**.
 - This opens a dialog warning you that you will lose your current show data. If the show you were most recently running has not been saved to disk, it will be lost from active memory.
- Step 8: Click **Yes** to continue, click **No** to stop the installation.
- Step 9: Click **Finish** to complete this part of the process.
 - The installer will now reboot into the ECU.
- Step 10: Click on **Settings**.
- Step 11: Then click on **General**.
- Step 12: Scroll to the bottom of the **General** tab and click on **Software Update**.
- Step 13: When the "Found Installer" dialog pops up, click **No** until you see **Eos_Console_v1.1.0.9.0.7**, then click **Yes**.
- Step 14: Click **Next** to start the installation process.
- Step 15: Click **Ok** to acknowledge that this software requires a reboot.
- Step 16: Click **Install** to begin the software installation.
- Step 17: Leave the default choice of **Yes** and click **Finish** to complete the installation process.
 - When the installation is complete, the installer will automatically reboot your console.

install Net3 Services

- Step 1: Get to the Eos Configuration Utility (ECU - sometimes referred to as the Eos Shell) by either exiting Eos (CIA>File>Exit Eos) or by starting up Eos and clicking on the "Launching Eos in..." button.
- Step 2: In the ECU, click on **Settings**.
- Step 3: Then click on **General**.
- Step 4: Scroll to the bottom of the **General** tab and click on **Software Update**.
 - This scans the root directory of all available drives (USB drives & CDs) for valid installers. It will then present the installers it found one by one for you to choose which one you want to use.
- Step 5: When the "Found Installer" dialog pops up, click **No** until you see **Net3Services_v1.0.0.9.0.37**, then click **Yes**.
 - This launches a standard Installshield application to direct you through the install.

ETC Release Note:

Eos Software v1.1.0

- Step 6: Select **Console Mode** and click on **Next**. This starts all services automatically upon booting the console. This is the factory default state for new consoles.
- Step 7: Select whether Net3 Services should run in Server or Client mode.
- **Server Mode**. When running as a Server, the console will act as a source for DHCP addresses, SNTP (time) messages and as a TFTP source for software downloads to compatible devices. In general, there should only be one Net3 Services Server on a network at a time. This is the factory default state for new consoles.
 - **Client Mode**. When running in Client mode, the console will receive SNTP (time) messages. The TFTP service always acts as a server, even in client mode.
Configuring the console to receive a dynamically assigned IP address via DHCP is a separate choice and must be configured via the ECU (Settings>Network) on a given console.
 - **Making the Choice**: Typically, you should make the Primary console or RPU the Net3 Services server. If you only have one console, it should be the server. If you have multiple consoles or RPUs, the primary should be the server and the rest should be configured as clients.
- Step 8: Depending on the choice you made, you may have a confirmation dialog to acknowledge, then click **Install** to start the installation process.
- Step 9: Click **Finish** to complete the installation process.
- When the installation is complete, the installer will ask you to reboot your console.

Installing Network Device Software Suite on an Eos Console

- Step 1: Get to the Eos Configuration Utility (ECU - sometimes referred to as the Eos Shell) by either exiting Eos (AIC>File>Exit Eos) or by starting up Eos and clicking on the "Launching Eos in..." button.
- Step 2: In the ECU, click on **Settings**.
- Step 3: Then click on **General**.
- Step 4: Scroll to the bottom of the **General** tab and click on **Software Update**.
- This scans the root directory of all available drives (USB drives & CDs) for valid installers. It will then present the installers it found one by one for you to choose which one you want to use.
- Step 5: When the "Found Installer" dialog pops up, click **No** until you see **ETCNetDvcSuite_v1.0.0.9.0.6.exe**, then click **Yes**.
- This launches a standard Installshield application to direct you through the install.
- Step 6: Select which software you want to install (all are selected by default) and click on **Next**.
- Step 7: Depending on the choice you made, you may have a confirmation dialog to acknowledge, then click **Install** to start the installation process.
- Step 8: Click **Finish** to complete the installation process.
- When the installation is complete, the installer will put you back into the Eos Configuration Utility.

Using the Re-Imaging CD



WARNING: *The Re-Imaging process will delete all saved show files on the internal hard drive. You must copy any show file you want to keep to an external USB drive.*

- Step 1: Turn the console on if it not already.

ETC Release Note:

Eos Software v1.1.0

- Step 2: Put in the Re-Imaging CD in the CD drive on the rear of the console.
- Step 3: Shutdown Eos by navigating to the CIA>File>Exit Eos and click **OK**.
- Step 4: Click **Shutdown** and click **Yes**.
- Step 5: Once the console has turned off, push the power button on the front (upper-right corner).
- You will see this message displayed:
Warning! Continuing this process will delete all the files on your hard drive.
- Step 6: Press any key (on an external keyboard) to continue.
Or if you want to stop the installation process:
- Press Ctrl-C to abort the install process.
 - Type **"y"** and press **ENTER** to "Terminate Batch?"
 - Press the power button to turn off the console.
- Step 7: Press **"A"** to begin the re-imaging process.
- You will next see a Ghost restore screen that will end in the Green Screen of Success.
- Step 8: Press any key (on an external keyboard) to continue.
- Step 9: Remove the CD from the CD drive.
- Step 10: Push the power button on the front (upper-right corner) to immediately shutdown the console.
- Step 11: Push the power button on the front to turn on the console.
- The console will reboot once more on its own to complete installation process.
- Step 12: Enjoy using your freshly updated Eos console.

Issues Corrected in v1.1.0

- 2491 After an EOS console (or notebook running EOS client software) is started up in "offline" mode, it may no longer display the set of "masters" available on the network.
Workaround: Start EOS as a master, backup, or client, exit EOS, and restart the EOS console application. This error state can be easily identified by the message "Network: Offline" is displayed in the lower right corner at application startup.
- 2490 Cannot remove a Macro from a Cues Execute List.
- 2489 If you create an effect with a 0 in time, the off state of that step will not run. Instead it will just stay at it's on state until it gets a new instruction.
- 2478 Submaster labels are not displayed in the Fader Status display
- 2372 Slider Page Number and Slider Number are off when using [About][Cue].
- 2369 Creating/editing/deleting a macro from the Backup/Client causes lose of synchronization.
- 2353 An EOS Client cannot load it's locally stored showfiles.
- 2321 In Blind Palette or Preset pressing [Cue] [X] [Enter] when Cue X does not exist causes Cue X to be created.
- 2203 [Goto Cue 0] does not work in the Playback Section.
- 2122 Accessing the Browser from the Displays softkeys does not give focus to the Browser.
- 1792 The fader status displays should refresh when deleting a cue that has already ran.
- 1746 Re-connect of ACN Gateways after they are out of Discovery cache results in console app lockup.
- 1745 ACN devices that are powered down then up or disconnected then reconnected to the network before they become Inactive not always reconnected to the EOS application
Workaround: Rebooting the EOS console application results in the application Discovering, Finding, Patching and Connecting to the ACN Gateway
- 1700 Appmux does not shutdown promptly after exiting EOS.
- 1491 EOS stops communicating with a previously connected ACN Gateway when a third ACN Gateway was added.
- 1442 When EOS is disconnected from the network then reconnected, a new ACN session is not created.
- 1403 Scaled park only takes effect for scales < 100%

ETC Release Note:

Eos Software v1.1.0

Issues Corrected in v1.0.0

Initial release of software

Known Issues Remaining in v1.1.0

- 2771 MOVE TO with PART CUES leaves behind whole CUE number with data
- 2770 MOVE TO incorrectly auto-inserts PART
- 2768 "Multiple instances of the installer" error window is displayed when installing new software.
- 2767 Cannot use [Sneak] [Enter] to remove overrides of multiple RCEs in one swoop.
- 2765 Live edits are not displayed in red on the RCE Editor display.
- 2764 The timing is incorrect when stealing/overriding channels from a Step RCE via a cue.
- 2760 The Step RCE [On/Off] softkey is not toggling between the On State and the Off State
- 2759 After creating a Step RCE we should default to Step selection like obsession.
- 2756 In RCE Blind, the [Time] and [Delete] softkeys for Step Effects are causing a syntax error.
- 2753 Going from the Patch display to the Blind RCE display via [RCE] [RCE] causes a syntax error.
- 2750 Eos only recognizes one of it's USB drives
- 2747 [Record] (Target) [Next] after a .99 is not incrementing to the next whole number.
- 2743 Direct selects, going from 1x50 to 2x20 middle (empty) keys in 2x20 mode still work.
- 2742 In 2x20 mode on direct selects, hitting an unused middle button clears the top rows.
- 2741 [Group] (Record Target) [Full/Out/Level] causes a syntax error
- 2738 When Marking, the indication of discrete timing (+ on Playback status display) shows on M cue.
- 2732 EOS does not work with multiple Show Control Gateways online
- 2729 The Arrow keys need to auto-repeat (scroll) when held down.
- 2716 Unable to map Subs to 3 digit numbers from the Fader Configuration display.
- 2705 BLIND: MOVE TO prematurely creates PART
- 2697 submaster load button sending incorrect submaster to command line
- 2695 GOTO CUE does not work from PATCH
- 2689 The adjusted rate on a fader is not getting cleared on a [Go To Cue] [Out] command.
- 2687 Cannot control intensities from potentiometer on HOLD CUE that contains MARK
- 2686 CUE with DELAY halts playback of common channels in previous CUE when overlapping
- 2663 Editing the patch is causing output levels to fluctuate.
- 2638 [Move To] softkey is not displayed for IFCB Palette/Preset/Effect/Macro/Snapshot in Live.
- 2606 Users cannot edit their stock gel scrolls.
- 2605 Encoder display does not display [new] or [copied] scrolls.
- 2598 Gobo editor missing Rosco, GAM and Apollo gobos.
- 2582 EOS application error on startup
- 2569 GOTO Q commands should stop effects in GOTO Q time
- 2567 RCE: Step Based Effect: out of range values for ON STATE and OFF STATE are allowed
- 2562 EOS Application exception occurs in controlled multi-console stress test.
- 2551 GROUP 0.x does not display on GROUP SOFTSELECT
- 2499 Marking thru non-intensity parameter moves is not removing the moves.
- 2484 Can't patch single channel 1 to address 1 after attempting to patch address 32768
- 2481 Saving a show file that has a parentheses in the name causes EOS not to save, but it gives the appearance of saving.
- 2480 Deleting a fixture's part2 remote dimmer does not delete the whole fixture.
- 2479 Transferring a showfile to the Backup fails.
- 2477 A Global Update without an active Cue should produce an error on the command line.
- 2471 Inhibitive Subs are ALWAYS recorded even when selected to be excluded.
- 2447 A Step RCE playing the HTP game with a Sub is not being displayed correctly in Live.
- 2442 Creating a Macro that is supposed to loop a number of times does not work.
- 2430 The primary application pauses its fading after it does [release control].
- 2426 We are able to include Colors (color wheel colors), Gobos and Effects in a scroller.
- 2424 A File New from the Browser does not clear the Custom Scrollers and Gobo Wheels.
- 2422 Virtual Load key can't be used to unload the fader

Known Issues Remaining in v1.1.0 [Continued]

- 2401 The command line is not displaying LTP when toggling a Cue List between HTP and LTP.
- 2394 Inconsistent methods of removing channels, Group List display vs. Live.
- 2354 After [Release Control] the Client(Backup) does not upload its changes to the Master.
- 2348 Cannot select a range of address that spans multiple universes using the port/offset syntax.
- 2343 Background Values are not being displayed in [About][Channel].
- 2316 Step RCE – deleted steps reappear if an arrow key is the first key pressed after deleting.
- 2281 Cannot use two USB pen drives in the console.
- 2213 Syntax error should be throw for using a decimal point for a channel in Patch-Address display.
- 2199 Patching fixtures with overlapping addresses should generate an error message.
- 2135 Cannot place a filter on a specific parameter in a linked parameter set.
- 1990 Sneaking back to an overridden Sub level - the level goes to zero then snaps to the Sub level.
- 1838 PLAYBACK FADER TIMER prematurely reaches zero on MARK CUES with discrete times
- 1771 Cannot Mark to a specific part of a Multipart Cue.
- 1738 Non-Scroller Fixtures can have Scrolls Defined
- 1674 Selecting channels in Blind is changing the channels being viewed in Live.
- 1611 Inhibitive Subs are mastering Captured and Capture Latched Channel levels
- 1590 Toggling between LIVE and BLIND should not page the Channel display
- 1568 In Live, <Channel> [X] [At] [Enter] is leaving a MOVE to zero level when previous cue was null
- 1564 [Flip] is not sending fixtures to the exact same position.
- 1544 External displays get confused when powering up the console with a monitor disconnected or powered off.
- 1289 Cannot specify a parameter on the command line and use the Encoder.
- 1227 Opening a show is not completely clearing the last show; Faders still loaded, Cue List not reset
- 1214 Range of cues stays as selected Cue
- 1096 A negative selective rerecord of a Cue is removing channels from the target Cue.
- 102 Timed Inhibitive Submaster Bump should be able to fade Up/Dwell-Hold/Down like Obsession.