ETC® Release Note

Eos® Family Lighting Control Software

Product Line:	Eos Lighting Control Family
Description:	Version 1.9.10 software

Eos Lighting Control Family Software Components

Eos FamilyConsole MainApplication	1.9.10.9.1.34
ECU	1.9.10.9.0.19
XPe (Eos)	2.2.0.9.0.2
XPe (Eos with 2400 video card)	2.3.0.9.0.4
XPe (Eos RPU)	2.2.0.9.0.2
XPe(Eos RPU with 2270 video card)	2.3.0.9.0.1
XPe (Ion)	2.2.0.9.0.2
XPe (Ion RPU)	2.2.0.9.0.2
XPe (Ion RPU with 2270 video card)	2.3.0.9.0.1
XPe (Element)	2.2.0.9.0.2
XPe (RVI)	2.2.0.9.0.2
XPe (RVI with 2270 video card)	2.3.0.9.0.1
Wes7 (Gio)	3.0.0.9.0.15
ACN Libraries	1.3.0.9.0.44
ETCNet2	4.0.18.9.0.1
Network Common	1.3.0.9.0.15
Network IPCFG	1.3.0.9.0.17
Carallon Library	7.6.0.9.0.11

Engineering Change Master (ECM):	500009477
Effective Date:	2012-04-12

Purpose

The purpose of this version of 1.9.10 is to address a flawed FTDI driver used to support USB interconnectivity.

Systems running Eos Family software version 1.9.8 and higher are at potential risk. While most systems will not experience an issue, we advise all customers to update any system currently running Eos Family software version 1.9.8 or higher to the latest version of 1.9.10 (1.9.10.9.1.34).

This driver change may affect you if you are using a PC running Windows 7 with a Universal Fader Wing, as well as Gio installations using fader wings. Please contact ETC Technical Services directly at the office nearest to you.

This software release is highly recommended for all users of the Eos Family platform (Eos, Gio™, 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.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
- Gio
- Ion
- Element
- Eos Remote Processor Unit (RPU)
- Ion Remote Processor Unit (RPU)
- Net3 Remote Video Interface (RVI)
- Eos Family Client
- Eos Family Offline

Documentation

The current documentation for Eos is the Eos Family v1.9.10 Supplement to Operations Manual Revision A and the Eos v1.7 Operations Manual Revision A. The current documentation for Gio is the Eos Family v1.9.10 Supplement to Operations Manual Revision A, Gio Supplement to Operations Manual Revision A, and the Eos v1.7 Operations Manual Revision A. The current documentation for Ion is the Eos Family v1.9.10 Supplement to Operations Manual Revision A and the Ion v1.7 Operations Manual Revision A. The current documentation for Element is the Element v1.9.8 User Manual Revision A and Eos Family v1.9.10 Supplement to Operations 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 ANSI E1.17 2006 Architecture for Control Networks (ACN) and ANSI 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™ Family Lighting Control System -** 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 v1.9.10 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 v1.9.10 is incompatible with hardware and software running ETCNet1.

Key Enhancements in 1.9.10

- FTDI Driver
- Support for Eos hardware change

Key Enhancements in 1.9.9

- Support for Gio hardware
- Sensor CEM3 dimmer feedback and configuration
- Scroller Calibration Column
- Setup option to disable encoder acceleration and determine degrees/percentage of movement per encoder revolution.

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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 v1.9.10 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 v1.9.10:

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 **ETC_EosFamily_Console_v1.9.10.9.1.34**, then click **{Install}**.
   • The software will copy to the hard drive before launching a standard Installshield application to direct you through the install.

Step 10: Click **{Next}** to start the installation process.

Step 11: Accept the terms of the license agreement and click **{Next}**.

Step 12: A dialog box will open warning of losing show data if not saved to disk. Click **{Yes}** to continue. The console will install the software.

Step 13: 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 Eos

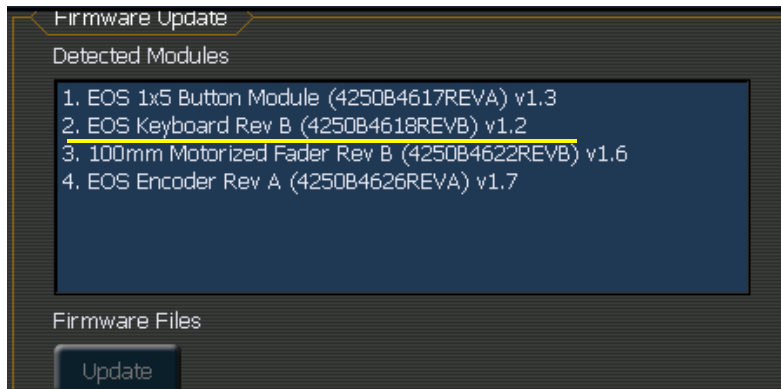Version 1.9.8 included an update to the Eos firmware to enable dimming of desk lamps.

To update your Eos:

Step 1: With v1.9.8 or later 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 Eos Keyboard to select it for updating.
- Eos Keyboard Rev B must be upgraded to version 1.3.
- Eos Keyboard Rev C must be upgraded to version 1.1.
- If you see Eos Keyboard Rev A, please contact your local ETC technical services at the phone number or email address located on page 1 of this document.

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:   It is recommended that you reboot your console after updating the firmware.

N o t e :   *The touchscreens and/or mouse may stop working briefly at the end of the firmware upgrade process.*

Issues Corrected in v1.9.10

No Issues Corrected

Known Issues Remaining in v1.9.10

RND 0018974   [Attributes] in patch display interferes with macro

RND 0018958   Pixel Mapping Effect Layers should have a single master intensity parameter

RND 0018860   Address should be unparked when the channel it is patched to gets deleted

RND 0018585   Macro wait times are ignored in Startup Macros.

RND 0018431   Sneaking an effect sub with time is ignoring the sneak time.

RND 0018414   Undo of a sub blind edit when the sub is active is not updating the output.

RND 0018166   Shutdown Macros won't fire when Power Off Multiconsole System feature is used

RND 0018150   Asserting a sub that is not at full should not set the sub content to full.

RND 0017957   CEM Integration Appears on at Backup even when Off at Primary

RND 0017956   Multi-scroller channel only shows first scroller as being calibrated.

RND 0017908   Offline software viz timeout should be longer

RND 0017886   Shift + Block should post the selected cue and Intensity Block to the command line.

RND 0017852   PSD should show default Mark Time (when used) in a mark cue if there is no other FCB movement in the cue.

RND 0017727   Asserting an I-Master Cue List not at full is snapping to channel values, not fading using the assert time.

RND 0017716   Selecting a gel match from the CP with a Cue on the command line is changing the cue time.

Known Issues Remaining in v1.9.10 [Continued]

RND 0017648   Should be able to Query for channels with a specific discrete time in Live

RND 0017614   Add channel n thru Enter syntax to select channel and subsequent channels of the same device type

RND 0017598   Block cue should not block params which mark for future cue

RND 0017466   Add the option to Go to Cue with a split time.

RND 0017464   Add a Setup Option for Timing Disable

RND 0017456   It should be possible to provide a temporary Highlight Rem Dim value, overriding the setup Rem Dim.

RND 0017455   It should be possible to place a proportional value in Highlight Rem Dim and Live Rem Dim

RND 0017389   Syntax that contains a follow/hang and execute instruction ignores the followhang

RND 0017269   Flexi view channels list is not preserved through a restart

RND 0017266   Mac OSX Lion shows extra drives in file/save, file open, etc

RND 0017103   Cues fired by follow countdown are not restored after a restart, most recent cue is restored instead

RND 0016984   Print to PDF should use showfile name by default, not "ShowFile".

RND 0016983   It is not possible to use [Home] on a highlighted channel.

RND 0016897   Changing active cue's linked cue does not change pending cue

RND 0016827   Snap Intensity Params are fading on timed HTP sub bump

RND 0016797   Clients do not show the 'Lost connection to Master' window when exiting the Master desk if the CIA is collapsed.

RND 0016695   Marking – Blind Table incorrectly displaying a superscript 'M' in the wrong Part Cue when categories are collapsed.

RND 0016691   Make Null does not work in Background Macros.

RND 0016685   Flexi Time does not behave like other flexi formats

RND 0016657   Spreadsheet displays ML channels outside of partition incorrectly

RND 0016634   Grandmaster is ignored when Ion is connected to a non-Ion master

RND 0016632   The DMX values reported in the About Channel window are sometimes incorrect when viewed on Backups and Clients.

RND 0016309   LightWright import doesn't support dimmer doubling

RND 0016301   iRFR color picker not working after mixing color in native

RND 0016232   Flash doesn't work in Pixel Map Editor.

RND 0016210   Resizing columns causes the external PC keyboard to stop working.

RND 0016195   Firing next cue before cue with curve completes, snaps level incorrectly

RND 0016167   When switching to Live from Patch, all other devices with the same User number remain displaying Patch instead of bringing up the PSD.

RND 0016161   Flexi view channels with Flexi partitioned shows no channels

RND 0016111   Partial show read of individual cues is not including tracked levels

RND 0015931   Channel displays did not page when expected to show the first channel in a range selection.

RND 0015925   ASCII Imports: Element doesn't import Strand levels correctly

RND 0015850   ASCII shows do not import Show Control Events

RND 0015817   CIA doesn't stay hidden or locked on a RPU or RVI after a restart of application

RND 0015700   (Mac only) offline does not send/receive UDP strings

RND 0015681   Duration effects that have finished restart on next [Go]

RND 0015618   Direct Selects in Double Click mode do not recall Step Effects.

RND 0015547   copying or moving cues doesn't copy time code reference

RND 0015351   Running a manual effect on a channels controlled by a sub only runs through steps once then control is given back to the sub.

RND 0015155   Grandmaster exempt channel faders leave errant levels behind when channel faders moved to 0

RND 0015048   Background macros won't play back {make null}

RND 0014973   Updating a Sub set to Full via the bump button records a level of Full for the channel no matter what level it is set at.

RND 0014909   Patching a range of channels to a range of addresses creates parts on the first channel and leaves all other channels unpatched.

RND 0014891   Moving a Manual Master Cue list to a different fader causes the new fader to not work until [Go] or [Stop / Back] is pressed.

RND 0014433   Applying a label to a macro in live appears to work but it really does nothing

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 0014218   About Address doesn't show any information for addresses patched in pixel maps.

Known Issues Remaining in v1.9.10 [Continued]

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 0014078   Movement of NPs on devices with no intensity parameter should not be considered a Dark Move

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 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 0011587   Resizing of the channel column in step effects doesn't stay as configured when you change steps

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