

ETC Release Note

Eos® Family Lighting Control Software



Product Line: Eos Family Lighting Control
Description: Version 2.3.3 Software
Engineering Change Master (ECM): 500014866
Effective Date: 2016-01-19

Purpose

The purpose of version 2.3.3 is a maintenance release that does add a few new features, including emergency mark settings, optional step times and parameter assignments in absolute effects, and an expanded number of addressable sACN universes.

Please be sure to read the 2.3.3 supplements to become familiar with all of the changes before installing 2.3.3. This software release is highly recommended for all users of the Eos Family platform (Eos Ti™, Eos®, Gio®, Ion®, Element™, ETCnomad™, and ETCnomad Puck)

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 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.

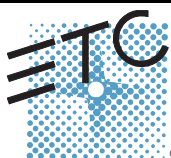
Documentation

The current documentation for Eos Titanium, Eos, and Gio is the Eos Family v2.3.3 Supplement to Operations Manual Revision A, and the Eos Titanium, Eos, and Gio v2.0 Operations Manual Revision A. The current documentation for Ion is the Eos Family v2.3.3 Supplement to Operations Manual Revision A, and the Ion v2.0 Operations Manual Revision A. The current documentation for Element is the Eos Family v2.3.3 Supplement to Operations Manual Revision A. and the Element v2.1 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. ETC manuals can be downloaded free of charge from ETC's website at www.etconnect.com. They are available in portable document format (.pdf), and viewable with Adobe® Acrobat® Reader™ v8.x and later.

Affected Products of This Release

The following Eos Family products are affected by this software release:

- Eos Titanium
- Eos
- Gio
- Ion
- Element
- Eos Remote Processor Unit (RPU)



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- Eos Remote Processor Unit 3 (RPU3)
- Ion Remote Processor Unit (RPU)
- Net3 Remote Video Interface (RVI)
- Net3 Remote Video Interface 3(RVI3)
- ETCnomad (PC & Mac Client/Offline)
- ETCnomad Puck

Key Enhancements in v2.3.3

- Modified channel selection behavior from soft controls
- Emergency Mark options for “Mark Earliest M Cue” behavior
- Optional Step times in Absolute effects
- Optional Parameter settings in Absolute effects
- sACN universe expansion to 999 universes
- Added a fader object to Magic Sheets
- Installer Archive (For more information, see [Installer Archive](#) on [page 5](#))

Key Enhancements in v2.3.2

- New Flexi State called Flexi in Use, which includes channels that are marked
- Direct Select Color Coding
- Update a single monitor snapshot
- Save and restore ECU settings
- Workspace access from the command line
- Show Control indicators in the PSD
- Support library updates on Mac
- Shift + Highlight to append to the command line
- Go to Cue Out has no impact on a cue list that is in Solo mode
- Paging the effect list
- Add symbols to virtual keyboard
- sACN and Artnet offset display in patch
- Color Picker Gel swatches in gel or tungsten display

Issues Corrected in v2.3.3

- RND 0034204 Add setup option that makes [Mark Earliest M] set the mark flag on earliest cue if one does not exist
- RND 0034121 Fader Wings – Font size is larger in 2.3.2, it should be the same size as 2.3.1.
- RND 0034036 Add [Learn Events] softkey to Event list so that learn mode can be used in a macro
- RND 0034018 Channel selection after a terminated command line should always replace, never append, to channel set.
- RND 0033975 Direct Selects do not highlight with channel selection when using Eos Button Module
- RND 0033914 With multiple targets selected in blind [Query at X] [At Enter] removes all levels, for targets that don't have any channels in the query
- RND 0033851 Hang when using exact string search in patch
- RND 0033849 Leaving the virtual keyboard in symbols mode and then attempting a show file save locks the keyboard.
- RND 0033833 Shell: Local DMX defaults are incorrect
- RND 0033825 Shell does not handle single allowed output addresses
- RND 0030079 Eos should allow the use of any sACN universe
- RND 0028733 Clicking in the column title or empty space above title in the Cue list selects edits those values.
- RND 0028576 Nomad - add the “Open in Shell” checkbox to Nomad setup.
- RND 0028067 Effects: Absolute: Add Step Times and Parameter filters
- RND 0022157 Magic Sheets - add virtual fader

Known Issues Remaining in v2.3.3

- RND 0034267 For ColorSource Relay and Source 4WRD, RDM DMX Personality Change Can't Set DMX Footprint to 0

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Known Issues Remaining in v2.3.3 [Continued]

- RND 0033372 [Chan 1 copy to Chan 2] or changing fixture type with a gel reference, should recalculate the gel reference on target chan
- RND 0033307 ETC RDM Subdevices Do Not Display Unique Labels
- RND 0033086 Params cannot be edited for multiple steps in a step based effect
Workaround: Assign each step a parameter independently.
- RND 0033078 Color Path needs to be a default softkey
- RND 0033013 [Sub X at 50 Sneak Time Y] sets sub's LTP parameters to full instead of Y
- RND 0033008 [Goto cue X] doesn't affect fade time of channels already fading to background
- RND 0032717 Pixel Map – Parked or Shielded virtual channels should always win over pixel map output (when double patched)
Workaround: Park the addresses for the channel at 0 instead of Chan 1.
- RND 0031006 Loading an Eos showfile with hang times on Element does not converting hang times to the expected follow time
- RND 0030772 Allfade cue in partitioned cue list affects channels outside partition
- RND 0030682 Channel X [Copy To] and [Recall From] is not including channels modified by exclusive sub
Workaround: [1 Make Manual], [1 Copy To 1 Enter] will work.
- RND 0030323 iRFR/aRFR – GoToCue Enter syntax broken.
- RND 0030257 Captured channels manual effects not recording into existing sub
- RND 0029865 Macro editor display is empty if it is displayed in too small of a window
Workaround: For both cases, closing the CIA works as expected.
- RND 0029769 Custom fixture editor giving error when editing mode ranges
- RND 0029733 In Patch/Fixtures, fixtures that do not need updating are still sometimes displayed in white text instead of gray
- RND 0029548 Can't make the [é] character with german virtual keyboard.
- RND 0029226 Recording a cue does not change current cue on connected clients in same cue list
- RND 0029193 [Magic Sheet 1 Copy To Magic Sheet] resets the command line, [Magic sheet 1 CopyTo 2] does not
- RND 0029191 About Channel Usage: does not show the cue usage for Channels that have no patch information
- RND 0029155 Macro that turns on/off the internal SMPTE clock doesn't work in the show control display.
Workaround: Set the macro mode to Background.
- RND 0028654 When manually starting and stopping an effect, we should be using the entry/exit time to control the fade in and out.
- RND 0028506 Merge with decimal four digit record targets does not work
- RND 0028367 Virtual Keyboard - cannot use Tab + Arrow keys to move displays.
- RND 0027991 Undo selection does not properly track to different devices of the same user.
- RND 0027983 Undoing manual values snap to prev level instead of using Manual time in setup
- RND 0027148 [Shift + Escape] to lock desk can't be learned into a macro
- RND 0027099 Physical Direct Select Displays are not removed when Eos is started without physical direct selects
- RND 0027004 USB RFR does not work on Windows 8.1
- RND 0026626 Loading a Sub after a Sub n copy to Sub x command is loading the incorrect sub master.
- RND 0026551 Condition of PSD is not saved in persistent storage.
- RND 0026204 Marking can remove NI moves from first cue in cue list.
- RND 0025821 Undoing the deletion of a fixture from the Fixture Editor causes scroller calibration to be lost
- RND 0024093 RFR/iRFR/aRFR in Channel Check mode, [Chan @ Full Full] stops [Next/Last] from working.
- RND 0016827 Snap Intensity Params are fading on timed HTP sub bump
- RND 0015850 ASCII shows do not import Show Control Events
- RND 0011798 Build Step effect with Stop/Hold exit, stops at off states, not on states
- RND 0011779 Rem Dim does not override intensities coming from Intensity Effects.
- RND 0010705 Element Channel/Submaster status not being followed on mirroring device

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).

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ETCNet2 Network Compatibility

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



CAUTION: *Eos ETCnomad (Mac and PC) and Puck do not support ETCNet2 protocol. See the [Incompatibility](#) section.*

- **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.
- **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.

Incompatibility

Eos v2.3.3 is incompatible with hardware and software running ETCNet2 software prior to those listed above.



CAUTION: *Until your ETCNet2 nodes and Net3 gateways running in Net2 mode 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 v2.3.3 is incompatible with hardware and software running ETCNet1.

Eos ETCnomad (Mac and PC) and Puck are incompatible with hardware and software running ETCNet2 protocol.

Installation Instructions

For new Eos Family consoles, ETC has implemented a method to include the latest software installers directly on the console's hard drive when they initially ship from ETC. For future releases, you will need to download the Eos Family software from the ETC website, www.etconnect.com.



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.*

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Installer Archive

To check to see if a newer version of Eos software is available on your console, navigate to **ECU>Settings>General>Software Update**.

When the software update window launches, it will show you the available Eos versions found.

If there is an available update and you wish to install it, follow the on screen steps for updating the console's software.

The Installer Archive can also be used to save multiple software versions onto your console's hard drive in case you wish to downgrade.

Software Installation

To update your console or offline software to the v2.3.3 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 v2.3.3:

- 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_v2.3.3.9.0.10**, 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: Read and 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.

ETCnomad (Client/Offline) Software

For system requirements and installation instructions for Windows and Mac clients, please see the ETCnomad Setup Guide.

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Firmware Updates

The following table shows the current firmware versions. For information on updating firmware, please see the ECU appendix of your console's manual.

Desk	Module	Current Firmware Version	Desk	Module	Current Firmware Version
Element			Ion RPU		
	Element Face Panel Board Firmware	1.1.90.Build 6 XPE / 1.2.90Build 7 for WES7*.		Eos RPU Front Panel	1.0
	I/O Board Firmware	1.4.1.9.0.3		I/O Board Firmware	1.4.1.9.0.3
Eos			RPU3		
	Eos 1x5 Button Module	1.3		T3 10x2 RPU Button Board Firmware	1.1.0.9.0.1 (1.1.9.1)
	Eos Encoder Rev A:	1.7		I/O Board Firmware	1.4.1.9.0.3
	Eos Keyboard Rev C:	1.1	RVI		
	100mm Motorized Fader Rev D:	1.4 (or) 2.0		Eos RPU Front Panel	1.0
Eos RPU			RVI3		
	Eos RPU Front Panel	1.0		T3 10x2 RPU Button Board Firmware	1.1.0.9.0.1 (1.1.9.1)
Gio			Ti		
	Gio Fader Board Firmware	1.1.0.9.0.3 (1.1.9 build 3)		Gio Fader Board Firmware	1.1.0.9.0.3 (1.1.9 build 3)
	Gio Face Panel Board Firmware	1.1.0.9.0.3 (1.1.9 build 3)		Gio Face Panel Board Firmware	1.1.0.9.0.3 (1.1.9 build 3)
	Gio 6x2 Button Board Firmware	1.1.0.9.0.1 (1.1.9 build 1)		Gio 6x2 Button Board Firmware	1.1.0.9.0.1 (1.1.9 build 1)
	I/O Board Firmware	1.4.1.9.0.3		T3 6x1 Button Board Firmware	1.1.0.9.0.1 (1.1.9 build 1)
Ion				I/O Board Firmware	1.4.1.9.0.3
	Ion Face Panel Revision F:	1.3			
	I/O Board Firmware	1.4.1.9.0.3			



Note:

**For Elements that have Windows 7 installed but do not have firmware v1.2.90 or higher, please contact ETC Technical Services.*

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Local RDM Firmware Update

New firmware is required for expanded functionality.

- Gadget -1.4.1.9.0.3
- IO Card -1.4.1.9.0.3

The new firmware is required for the use of Local RDM on any platform, and required for individual configuration of multiple IO devices on any platform.

Firmware can be updated from a console or PCs running Win7/8.1. Mac OS does not currently support firmware updates.

Dual NIC Update

This feature allows the console to be connected to two separate networks. Dual NIC is available on Eos Ti, Gio, and RPU3. For the second NIC to work fully, you must also install the ETC GCE Net3Svc v3.1 or higher. GCE is available for download from the ETC website (www.etcconnect.com - click "Downloads" at the top of the page). The new hardware for Ion, Element, Net3 RVI, and Ion RPU also include the dual NIC feature, but ship with GCE already installed.

Example applications:

- Support 2 separate Net3 Gateways, networks or sACN devices
- Support 2 separate networks (e.g., one sACN, one Artnet, or one sACN and one Network Attached Server)
- One network for 'output' devices (sACN, EDMX, Artnet...) and one network for controls an interfaces (Consoles, RPUs, Show control)
- One combined network and one limited traffic for wireless devices



Note:

*The two Ethernet ports must be configured to separate networks (subnets).
For proper operation, the two ports must NOT be connected to the same physical network.*

To enable the second network port

To configure the second Ethernet port on your console to match factory defaults, follow the instructions below. Otherwise, you may configure the second port to match your system requirements.

- Step 1: 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 **{Network}** button. The network window will open.
- Step 3: Set the IP address for port 2.
 - IP Address - 192.168.xxx.101
 - Subnet Mask - 255.255.0.0
- Step 4: Enable DHCP Service for Port 2.
- Step 5: Click **{Accept}**. A reboot of the desk is required.

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Software Components

Eos Family Lighting Control Software Components

Eos Family Console Main Application	2.3.3.9.0.10
ECU	2.3.3.9.0.4
XPe (Eos)	2.2.0.9.0.3
XPe (Eos with 2400 video card)	2.3.0.9.0.5
XPe (Eos RPU)	2.2.0.9.0.3
XPe (Eos RPU with 2270 video card)	2.3.0.9.0.2
XPe (Eos RPU w BCM motherboard)	2.4.0.9.0.4
XPe (Ion)	2.2.0.9.0.3
XPe (Ion with BCM motherboard)	2.3.0.9.0.3
XPe (Ion RPU)	2.2.0.9.0.3
XPe (Ion RPU with 2270 video card)	2.3.0.9.0.2
XPe (Ion RPU w BCM motherboard)	2.4.0.9.0.2
XPe (Element)	2.2.0.9.0.3
XPe (RVI)	2.5.0.9.0.1
XPe (RVI with 2270 video card)	2.5.0.9.0.1
XPe (RVI w BCM motherboard)	2.5.0.9.0.1
Wes7 (Gio)	3.0.0.9.0.20
Wes7 (Gio UCB)	4.0.0.9.0.3
Wes7 (Eos Ti)	1.0.0.9.0.10
Wes7 (Eos Ti UCB)	2.0.0.9.0.3
Wes7 (RPU3)	3.0.0.9.0.20
Wes7 (RPU3_Q87)	4.0.0.9.0.1
RPU3_Q87 BIOS	R1.1 (V00XTM11)
Wes7 (RV13)	3.0.0.9.0.20
Wes7 (RV13_Q87)	4.0.0.9.0.1
RV13_Q87 BIOS	R1.1 (V00XTM11)
Wes7 (Aaeon Element)	7.0.0.9.0.2
Wes7 (Aaeon Ion)	7.0.0.9.0.1
Wes7 (Aaeon Ion RPU)	7.0.0.9.0.1
Wes7 (Aaeon RVI)	7.0.0.9.0.1
Wes7 (Puck)	1.0.0.9.0.1
ACN Libraries	1.4.2.9.0.15
ETCNet2	4.0.19.9.0.1
Network Common	1.3.2.9.0.25
Network IPCFG	1.3.2.9.0.29
Carallon Library	11.2.0.9.0.15