

# ETC Release Note

## Eos® Family Lighting Control Software

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<b>Product Line:</b>	Eos Family Lighting Control
<b>Description:</b>	Version 2.6.1 System Software
<b>Engineering Change Master (ECM):</b>	500017744
<b>Effective Date:</b>	2017-08-31

### Purpose

The purpose of 2.6.1 is to support Ion Xe and the Eos Standard Fader Wing 20/40 hardware. A number of critical defects have also been addressed.

This software release is highly recommended for all users of the Eos Family platform (Eos Ti®, Eos®, Gio®, Gio @ 5™, 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.etcconnect.com](http://www.etcconnect.com).

### Documentation

The current documentation for Eos Titanium, Eos, and Gio is the Eos Family v2.6.0 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 v2.6.0. Supplement to Operations Manual Revision A, and the Ion v2.0 Operations Manual Revision A. The current documentation for Element is the Element Supplement v2.6.0, Eos Family v2.6.0 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.etcconnect.com](http://www.etcconnect.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
- Gio @ 5
- Ion Xe
- Ion Xe 20
- Ion
- Element
- Eos Remote Processor Unit (RPU)
- Eos Remote Processor Unit 3 (RPU3)



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Product information and specifications subject to change. ETC intends this document to be provided in its entirety.

**4250M1100-2.6.1** ■ Rev A ■ Released 2017-08

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- Ion Xe Remote Processor Unit (RPU)
- 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 v2.6.1

- Support for Ion Xe
- Support for Eos Standard Fader Wings
- Bug Fixes

### Key Enhancements in v2.6.0

- Add [Reset Columns] to tab config menu for all tabs
- Quick-Access popup tools
- [Silent mode] button to Time code lists to countdown time, but not fire events
- [Sub 1 CopyTo Sub 2 Attrs Only] to only copy subs attributes, not levels or effects
- Fader Config: Manual Time master
- 3 decimal places in target numbers that allow decimals
- Changes to Subs With Effects
- Expand collapse button to last column of CIA parameter table
- Setup option to disable Element help message prompts above command line
- Blind Spreadsheet shows all parameters by default
- DirSel Dbl Click Option Added for Element
- Use Shift + Label as a shortcut to get to Cue Notes
- An option to the Macro editor to exclude execution of the associated macro from being learned by Time Code.
- The ability to save logs from the main Eos app, without having to exit to the shell
- [Chan 1 CopyTo Chan 2 From\_Absolute] to copy chan 1's absolute value to chan 2
- Show Control : Midi Notes : Fader Actions responds to Velocity and CC to set fader levels
- Row in "About Address" shows sACN input value.
- A Cue List in Solo Mode should be exempt from external show control triggers.
- Scene targets on custom direct selects
- Current value added to Show control list display's sACN input events
- Element : Enhancing Element Controls
- The use of any sACN universe
- Hiding Scene Breaks in PSD config menu.
- Fader Config: Macro X option for custom fader buttons
- Priority Marking
- Turn relays on and off via a macro.
- Open virtual keyboard within patch fixture search.
- "About +" Display Toggles
- New Query Conditions
- Snapshots: Selective Snapshot Interface
- csv Import
- About IFCB Palettes
- User Defined Monitors
- Label column in blind spreadsheet.
- Support for 3rd party MIDI over USB

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- PC Keyboard should have a drop-down box to select language

### Issues Corrected in v2.6.1

- RND 0042996 Snapshots - cannot recall snapshots with 3 decimals (ex: 123.456)
- RND 0042805 EOS TI and Classic Snapshots Not Recording Third External Monitor Or Command Line Display.
- RND 0042771 Ti: Collapsing CIA parameter tiles and CIA hides softkeys
- RND 0042770 File->New Patch 1 to 1 Doesn't Clear DMX Output
- RND 0042758 Blind Spreadsheet: Part cues display incorrect labels
- RND 0042757 Try to Expand a Magic Sheet triggers a crash
- RND 0042737 Popup Magic Sheet does not Show Reference Labels
- RND 0042726 Virtual Keyboard: Shift Key gets stuck latched down and combines with other keypresses
- RND 0042622 [Solo] button on sub leaves absolute effects intensities at 0, blacking out stage
- RND 0042601 UV parameters are not mastered by virtual intensity
- RND 0042578 Partition Control: Channels outside of partition are editable with color picker
- RND 0042484 If Create Virtual HS is enabled, Recording Colors on a Dalis Fixtures Causes Output Levels to Jump
- RND 0042477 Partial load of just Fixtures from showfile with custom parameter names doesn't include the parameter names
- RND 0042457 Manual Time in Highlight Mode causes highlighted channel intensity to re-fade with every NIP selection
- RND 0042436 Patch Database: Merging a channel changes the Database Text Labels to match the incoming showfile
- RND 0042382 About->Channels: Default Column Widths Are Too Small, Causes Clipping
- RND 0042367 Recalling a snapshot with only Custom Direct Selects flag enabled, does not refresh custom DS tab immediately
- RND 0042158 Eos Classic: Executing snapshots with cues causes > 500ms lags

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### Known Issues Remaining in v2.6.1

- RND 0042449 Patch->Search: Virtual Keyboard Doesn't Append Text
- RND 0038771 Fader Ribbon: Masters fader's downslider's progress is always displayed as 0
- RND 0035834 Direct Selects - color swatches derived from gels should respect the gel setting (Tungsten Lamp or Against White Paper)
- RND 0032709 Encoder\_Category\_button page number is not macroable
- RND 0032257 Channels/addresses in use via a pixel map should respect patch attributes proportion and curve
- RND 0030257 Captured channels manual effects not recording into existing sub
- RND 0029871 When editing a scroll, the blank space to the right of the scroll bar can select a gel
- 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 0029823 2 pixmaps with the same server channel can output incorrectly.
- RND 0029769 Custom fixture editor giving error when editing mode ranges
- RND 0029752 Rate overrides less than 10 running too slow
- RND 0029708 Print to file will crash if there isn't enough space available
- RND 0029193 [Magic Sheet 1 Copy To Magic Sheet] resets the command line, [Magic sheet 1 CopyTo 2] does not
- 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 0028367 Virtual Keyboard - Press and hold keys should latch them down until next press
- 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 0027004 USB RFR does not work if you restart Eos on Windows 8.1
- RND 0026147 When shutter strobe is marking, intensity outputs nonzero value output strobe
  - Workaround:** The user can either Disable automark on that cue, or put the shutter mode change in a follow cue.
- RND 0020943 Element – unable to change Sub pages via a Macro. Multikey press is not learned.
- RND 0016827 Snap Intensity Params are fading on timed HTP sub bump
- RND 0011798 Build Step effect with Stop/Hold exit, stops at off states, not on states

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### 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).

#### 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.*

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- 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 v2.6.1 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)*

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Eos v2.6.1 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.etcconnect.com](http://www.etcconnect.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 RPU's 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 v2.6.1 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 v2.6.1:*

- 1: Download the software from the ETC website, [www.etcconnect.com](http://www.etcconnect.com), on the appropriate product page.
- 2: Unzip the file.
- 3: Transfer the unzipped file to a USB memory device.
- 4: Insert the USB device containing the software into an available USB port on the console.
- 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.
- 6: Click on the **{Settings}** button. The settings window will open.
- 7: Click on the **{General}** button inside of the settings window. The general settings will appear in the window.
- 8: Scroll down in the window until the **{Software Update...}** button is visible. Click this button.
- 9: This scans the root directory of all available drives (USB drives) for valid installers.
- 10: When the "Update Software" dialog pops up, click on **ETC\_EosFamily\_Console\_v2.6.1.9.0.31**, then click **{Install}**.
- 11: The software will copy to the hard drive before launching a standard Installshield application to direct you through the install.
- 12: Click **{Next}** to start the installation process.
- 13: Read and accept the terms of the license agreement and click **{Next}**.
- 14: 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.
- 15: 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.

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**WARNING:** A restart of the console is required for every module updated.

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**Note:** *Single DMX port Gadgets and devices with IO cards that have a Phone Remote connection must use the **{Upgrade I/O Firmware}** button in the Maintenance tab of the ECU. Other IO cards and Gadget II can be updated using the firmware update window.*

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Desk	Module	Current Firmware Version	Desk	Module	Current Firmware Version
<b>Element</b>			<b>Ion RPU</b>		
	Element Face Panel Board Firmware	1.1.90.Build 6 XPE / 1.2.90Build 7 for WES7*.		Eos RPU Front Panel	1.0
	FS I/O Board Firmware	1.4.2.9.0.5		FS I/O Board Firmware	1.4.2.9.0.5
	HS I/O Board Firmware	1.1.0.9.0.4		HS I/O Board Firmware	1.1.0.9.0.4
<b>Eos</b>			<b>RPU3</b>		
	Eos 1x5 Button Module	1.3		Ti 10x2 RPU Button Board Firmware	1.1.0.9.0.1 (1.1.9.1)
	Eos Encoder Rev A:	1.7		FS I/O Board Firmware	1.4.2.9.0.5
	Eos Keyboard Rev C:	1.1		HS I/O Board Firmware	1.1.0.9.0.4
	100mm Motorized Fader Rev D:	1.4 (or) 2.0	<b>RVi3</b>		
<b>Eos RPU</b>				Ti 10x2 RPU Button Board Firmware	1.1.0.9.0.1 (1.1.9.1)
	Eos RPU Front Panel	1.0	<b>Ti</b>		
<b>Gio</b>				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)		Face Panel Board Firmware	1.2.0.9.0.0(1.2.9 build 0)
	Gio Face Panel Board Firmware	1.2.0.9.0.0(1.2.9 build 0)		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)		Ti 6x1 Button Board Firmware	1.1.0.9.0.1(1.1.9 build 1)
	FS I/O Board Firmware	1.4.2.9.0.5		FS I/O Board Firmware	1.4.2.9.0.5
	HS I/O Board Firmware	1.1.0.9.0.4		HS I/O Board Firmware	1.1.0.9.0.4
<b>Ion</b>			<b>Eos Programming Wing</b>		
	Ion Face Panel Revision F:	1.3		Eos Playback Firmware	1.0.1.9.0.6
	FS I/O Board Firmware	1.4.2.9.0.5		Face Panel Board Firmware	1.2.0.9.0.0(1.2.9 build 0)
	HS I/O Board Firmware	1.1.0.9.0.4		HS I/O Board Firmware	1.1.0.9.0.4

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<b>Eos Motor Fader Wing 10/20</b>			<b>Gio @ 5</b>		
	Display HS Universal Firmware	1.0.4.9.0.21		Eos Fader Wing Firmware	1.0.4.9.0.21
<b>RVI</b>				Gio @5 Motor Fader Firmware	1.0.0.9.0.4
	Eos RPU Front Panel	1.0		Intelligent Power Board Firmware	1.0.1.9.0.5
<b>Ion Xe</b>				HS 6x2 Button Board Firmware	1.0.0.9.0.4
	Eos Playback Master Firmware	1.0.1.9.0.6		HS Face Panel Board Firmware	1.0.0.9.0.4
	Intelligent Power Board Firmware	1.0.1.9.0.5		HS I/O Board Firmware	1.1.0.9.0.4
	HS Face Panel Board Firmware	1.0.0.9.0.4	<b>Ion Xe 20</b>		
	HS I/O Board Firmware	1.1.0.9.0.4		Eos Playback Master Firmware	1.0.1.9.0.6
<b>Ion Xe RPU</b>				Intelligent Power Board Firmware	1.0.1.9.0.5
	10x2 Button Module Firmware	1.1.0.9.0.1		HS Face Panel Board Firmware	1.0.0.9.0.4
	Intelligent Power Board Firmware	1.0.1.9.0.5		HS I/O Board Firmware	1.1.0.9.0.4
	HS I/O Board Firmware	1.1.0.9.0.4		Eos Fader Wing Firmware	1.0.0.9.0.10
<b>Eos Standard Fader Wing 20/40</b>					
	Eos Fader Wing Firmware	1.0.0.9.0.10			



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

### Local RDM Firmware Update

New firmware is required for expanded functionality.

- Gadget -1.4.2.9.0.5



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- IO Card -1.4.2.9.0.5

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](http://www.etcconnect.com)). 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.*

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#### *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.

- 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.
- 2: Click on the **{Network}** button. The network window will open.
- 3: Set the IP address for port 2.
- 4: IP Address - 192.168.xxx.101
- 5: Subnet Mask - 255.255.0.0
- 6: Enable DHCP Service for Port 2.
- 7: 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	<b>2.6.1.9.0.31</b>
ECU	<b>2.6.1.9.0.6</b>
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 (Ion Xe)	<b>1.0.0.9.0.1</b>
Wes7 (Ion Xe 20)	<b>1.0.0.9.0.1</b>
Wes7 (Ion Xe RPU)	<b>1.0.0.9.0.1</b>
Wes7 (Gio)	3.0.0.9.0.20
Wes7 (Gio UCB)	4.0.0.9.0.3
Wes7 (Gio @ 5)	1.0.0.9.0.1
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 (RVI3)	3.0.0.9.0.20
Wes7 (RVI3_Q87)	4.0.0.9.0.1
RVI3_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
Wes7 (Puck2)	2.0.0.9.0.1
ACN Libraries	2.0.0.9.0.15
ETCNet2	4.0.19.9.0.1
Network Common	2.0.0.9.0.12
Fixture Library	<b>2.6.0.9.0.41</b>