

ETC® Release Note

Eos® Family Lighting Control Software



Product Line:	Eos Family Lighting Control
Description:	Version 2.2.0.9.1.97 software
Engineering Change Master (ECM):	500012664
Effective Date:	2014-07-24

Purpose

The purpose of this release is to address a small number of critical defects.



Note: *Eos Nomad PC and Eos Nomad Mac replaces the previous download options for offline/client software.*

This software release is managed by Technical Services and highly recommended for specific users of the Eos Family platform (Eos Ti™, 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.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 v2.2.0 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 v2.2.0 Supplement to Operations Manual Revision A, and the Ion v2.0 Operations Manual Revision A. The current documentation for Element is the Eos Family v2.2.0 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 Family. 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.



Corporate Headquarters ■ 3031 Pleasant View Road, P.O. Box 620979, Middleton, Wisconsin 53562-0979 USA ■ Tel +608 831 4116 ■ Fax +608 836 1736
London, UK ■ Unit 26-28, Victoria Industrial Estate, Victoria Road, London W3 6UU, UK ■ Tel +44 (0)20 8896 1000 ■ Fax +44 (0)20 8896 2000
Rome, IT ■ Via Pieve Torina, 48, 00156 Rome, Italy ■ Tel +39 (06) 32 111 683 ■ Fax +44 (0) 20 8752 8486
Holzkirchen, DE ■ Ohmstrasse 3, 83607 Holzkirchen, Germany ■ Tel +49 (80 24) 47 00-0 ■ Fax +49 (80 24) 47 00-3 00
Hong Kong ■ Rm 1801, 18/F, Tower I Phase 1 Enterprise Square, 9 Sheung Yuet Road, Kowloon Bay, Kowloon, Hong Kong ■ Tel +852 2799 1220 ■ Fax +852 2799 9325
Service: (Americas) service@etconnect.com ■ (UK) service@etceurope.com ■ (DE) techserv-hoki@etconnect.com ■ (Asia) service@etcasia.com
Web: www.etconnect.com ■ OSF 4.1.9.1 ■ Copyright © 2014 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 Titanium
- Eos
- Gio
- Ion
- Element
- Eos Remote Processor Unit (RPU)
- Eos Remote Processor Unit 3 (RPU3)
- Ion Remote Processor Unit (RPU)
- Net3 Remote Video Interface (RVI)
- Net3 Remote Video Interface 3(RVI3)
- Nomad (Client/Offline)
- Nomad Puck

Key Enhancements in 2.2.0.9.1.97

- Bug fixes

Key Enhancements in 2.2.0

- Support of Nomad 256, 1024, 1536 and 2048
- Support of Nomad Puck 256, 1024, 1536 and 2028
- Fixed Tab Numbers
- Framed, user adjustable displays
- Multiple workspaces per display
- Single Monitor Snapshots
- User designation of where new tabs open
- New channel distribution tools for Offset
- Channel level effect overrides
- Default Preheat time
- Additions to About
- Macro editor changes
- Add snapshots to Element
- Ion, Element, Ion RPU, and the Net3 RVI are now shipping with Windows 7 and a revised motherboard/SSHD.

Key Enhancements in 2.1.0/2.1.1/2.1.2

- GUI and output performance optimizations
- BMP and tap rate for effects
- Tabs in Element
- Cue list index in Element
- CIA favorite in Element
- [Shift]+ Direct Select to post unterminated to the command line
- Magic Sheet enhancements
- Changes to Magic Sheet channel selection
- [Query] {Unpatched}
- Parameter allocation counter in About
- Increase channel count to 16,000 (not available in Element)

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Issues Corrected in v2.2.0.9.1.97

- RND 0027528 Controls tabs can change focus to the previously selected display on the monitor
RND 0026932 Add better support for recalling old snapshots with legacy module dock displays
-

Known Issues Remaining in v2.2.0.9.1.97

- 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 0026888 Nomad, sACN output should be output on all NICs when enabled in the shell
Workaround: While we don't have a reproducer, if a Nomad gets into this mode then saving the settings from the offline shell will fix it. (It will change sACN NICs to "all")
RND 0026874 RFR does not work on Mac Nomad using USB to connect to base station or handset, it does work using the network
RND 0026691 Martin Mac Viper Profile 16B Ext. – Selected Gobos are one off after placing the wheel in Rotate mode.
Workaround: This appears to purely be a GUI problem. The fixture library and definitions are correct. Change mode from spin- to index to rotate = bug Change mode from spin- to rotate = no bug
RND 0026600 Magic Sheets - items with "User" target are not working
RND 0026596 The operating system should associate Eos show files (.esf) with our software and be able to be opened directly
RND 0026551 Condition of PSD is not saved in persistent storage.
RND 0026258 With shift down Effect Form encoder still displays Horizontal instead of vertical
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 0026088 Delay time causes display issues with shrunken time columns in PSD
RND 0025881 Opening a magic sheet is clearing the command line
RND 0025821 Undoing the deletion of a fixture from the Fixture Editor causes scroller calibration to be lost
RND 0025691 [shift + select] doesn't restore psd columns on expanded displays
RND 0025337 About Submaster
RND 0024594 Paging arrows do not work with main displays when command history is visible in the CIA
RND 0024093 RFR/iRFR/aRFR in Channel Check mode, [Chan @ Full Full] stops [Next/Last] from working.
RND 0023453 Channel Pixel is unpatched with changes to show patch.
RND 0023195 Magic Sheets - svg images containing "etc_symbol_*" tags only render tagged elements
RND 0022856 Pixel Mapping - flash causes ALL parameters of a fixture to flash, not just intensity-related parameters
RND 0022673 Mirroring client can't clear message after master loses its backup
RND 0017727 Asserting an I-Master Cue List not at full is lowering level before fading up
RND 0016827 Snap Intensity Params are fading on timed HTP sub bump
RND 0011875 Eos Client - Windows 7 compatibility issues
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 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).

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.

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- **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 Family v2.2.0 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 v2.2.0 is incompatible with hardware and software running ETCNet1.

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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 v2.2.0 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).

To update your console to v2.2.0.9.1.97:

- 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_v2.2.0.9.1.97**, 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 v2.0.

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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 WEST*		Eos RPU Front Panel	1
	I/O Board Firmware	1.3.0.9.0.5		I/O Board Firmware	1.3.0.9.0.5
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	1.3.0.9.0.5
	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	1.3.0.9.0.5		T3 6x1 Button Board Firmware	1.1.0.9.0.1(1.1.9 build 1)
Ion				I/O Board Firmware	1.3.0.9.0.5
	Ion Face Panel Revision F:	1.3			
	I/O Board Firmware	1.3.0.9.0.5			



Note:

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

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. The new hardware for Ion, Element, Net3 RVI, and Ion RPU also include the dual NIC feature. 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).

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 - 192.168.91.101
 - 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	2.2.0.9.1.97
ECU	2.2.0.9.0.34
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)	2.2.0.9.0.3
XPe (RVI with 2270 video card)	2.3.0.9.0.2
XPe (RVI w BCM motherboard)	2.4.0.9.0.3
Wes7 (Gio)	3.0.0.9.0.20
Wes7 (Eos Ti)	1.0.0.9.0.9
Wes7 (RPU3)	3.0.0.9.0.20
Wes7 (RVI3)	3.0.0.9.0.20
Wes7 (Element)	7.0.0.9.0.2
Wes7 (Ion)	7.0.0.9.0.1
Wes7 (Ion RPU)	7.0.0.9.0.1
Wes7 (RVI)	7.0.0.9.0.1
Wes7 (Puck)	1.0.0.9.0.1
ACN Libraries	1.4.2.9.0.7
ETCNet2	4.0.19.9.0.1
Network Common	1.3.2.9.0.22
Network IPCFG	1.3.2.9.0.25
Carallon Library	10.2.0.9.0.9