ETC® Release Note

ETCNet2™ Video Node

Product Line: ETCNet2 Video Node

Description: Version 4.0.0 Software

ETCNet2 Video Node Software Components

Main Application	4.0.0.9.0.9
Boot ROM	1.0.2
Test ROM	1.3.1
Expression Family ETCNet1 Software Image	3.1

Engineering Change Order (ECO): 8364

Effective Date: July 17, 2003

Purposes

This is both a new feature release and corrects issues noted in previous releases of Video Node software. This release brings ETCNet2™ v4 compatibility to the Video Node software. 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 ordering a software kit from a local dealer or your nearest ETC office listed below.

Version 4.0.0 Kits

The v4.0.0 software kit has the following part number:

- 4103S1005 ETCNet2 v4.0.0 Software Kit (includes NCE and related node software)

Downloading Files

The components of this release are available for download from the software section of the ETC website at www.etcconnect.com. The software needed will vary a bit depending on the hardware components of your system. DMX Node software runs on rack/portable, wall mount, and tour versions of DMX Nodes. Additionally, Two Port Nodes and Video Nodes each have their own software.

Documentation

The *NCE v4.0.0 User Manual* contains how to configure and use ETCNet2 Video Nodes. The *ETCNet2 Video Node v2.1.2 User Manual* covers the node hardware and its installation. Please keep this release note with your user manual for descriptions of the newest features, changes and bug fixes in Video Node software. 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™ v4.x and later.

Compatibility

ETC Components

This release is compatible with the following ETC hardware and software:

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Europe ■ Unit 4, Victoria Industrial Estate, Victoria Road, London W3 6UU, UK ■ Tel: +44 (0)20 8896 1000 ■ Fax: +44 (0)20 8896 2000
Asia ■ Room 605-606, Tower III Enterprise Square, 9 Sheung Yuet Road, Kowloon Bay, Kowloon, Hong Kong ■ Tel: +852 2799 1220 ■ Fax: +852 2799 9325
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- **Emphasis Control System -** Version 1.4.x software.
- **Obsession II Control System -** Version 5.1.x software.
- **Wireless Remote Focus Unit (WRFU) -** Version 4.0.x software.
- **Network Configuration Editor (NCE) -** Version 4.0.x software.
- **ETCNet2 DMX Node -** Version 4.0.x software.
- **ETCNet2 Video Node -** Version 4.0.x software.
- **ETCNet2 Two Port Node -** Version 4.0.x software.
- **Unison® -** Version 1.9.0 software.
- **WYSIWYG™ release 4 -** Release 4 software.
- **WYSILink™ -** With WYSIWYG release 4 software.
- **(In ETCNet1 mode) Expression 2 Family Systems -** Systems running version 3.1 software, including Express™ 125, 250, 24/48, 48/96 and 72/144; Expression 2, 2x and 3; Insight™ 2, 2x and 3; Impression 2; Concept 2x; Imagine 3/600 and 3/1200; Finesse; Focus; and with the Expression 3, Insight 3 and Express Lighting Playback Controllers.

Incompatibility

Video Node software v4.0.0 is incompatible with hardware and software running ETCNet2 software prior to those listed above.

In ETCNet1 mode, Video Node software v4.0.0 is incompatible with Expression family console hardware and software running ETCNet1 software prior to v3.1 and all Obsession or Obsession II control systems running exclusively in ETCNet1 mode.

New Features & Changes in v4.0.0

- ETCNet2 v4 support

New features & Changes in v3.0.0

- ETCNet2 v3 support
- Remote Macros with an Emphasis Control System
- Remote Trigger (remote contact closure) with an Emphasis Control System
- You are able to restore factory default settings to nodes from NCE.

Software Installation Instructions

You will install (download) this updated version of software into the ETCNet2 Video Node(s) via NCE over an Ethernet network. Since installing this software relies on NCE, please see the *NCE v4.0.0 User Manual* for NCE installation and configuration including downloading/upgrading ETCNet2 Node software.

Issues Corrected in v4.0.0

290 Focus Point LED on RFU does not light when corresponding LED on Emphasis console is lit

289 Trailing edge macros are not sent from the node

288 Remote triggers don't work with Emphasis

287 Last System ID sent to node will be ID for all leading edge macros instead of the individual values assigned.

286 Invalid RCC command can discontinue RFU and Keyboard connection

285 Video Node sometimes does not properly connect with an RFU in communicating to Emphasis

253 Nodes do not always respond to RCC heartbeat. This results in random issues where the node does not go into download mode during an 'Update All'. More likely to occur the longer the node has been online without a reboot. Workaround: A second attempt at an update will usually work

120 NMI occurs after a RFU System ID & mode (from multidrop to standard) change is made from NCE Switching the System ID and the mode (from multidrop to standard) of a node's RFU

119 Delay is seen when using multidrop RFUs (about 1 sec.)

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ETCNet2™ Video Node v4.0.0 Software

Issues Corrected in v3.0.0

240 Nodes must implement RCC clearConfiguration method

24 RCC property should include bootROM & FPGA version

Known Issues Remaining in v4.0.0

449 OpIO connection is not dropped when a RFU port is reconfigured from multidrop to standard while a multidrop RFU is connected. Connection is not re-established if RFU is rebooted.

427 2nd SNTP source for node does not start stepped requests. Upon boot, a node requests and receives a SNTP source. After 1st selecting a source, the node requests time from the source in stepped requests (2 seconds, 4 seconds, 8 seconds, ...) until it reaches the 5 minute max between requests. If the node loses its 1st SNTP source and requests/ receives a new source, it does not execute stepped requests. (It requests every 5 minutes)

419 Old display remains on RFU after changing SYS_ID. After changing the config from a SYS_ID of an existing system to a SYS_ID of a non-existent system, the RFU display still displays the last known screen from the old system.

381 Video sink w/o source does not send refresh packets to spec. A Video Node that once had a source but that source has been removed, requests video refresh every ~1 second. The spec states that this refresh should occur every 125 msec. If the Video Node is rebooted with no source online, it will request video refresh every ~100ms.

377 The Video Node can return a bad line of random characters after rebooting. Video occasionally returns a bad line after rebooting and the video source is Emphasis.
Workaround: Updating the screen or the bad line fixes the problem.

268 Long delays exist at the end of a get/send to video nodeAt the end of a get/send config from NCE, there is a long (~1 sec) delay after the last property is received/sent but before the RCC connection is finished.

57 Invalid values can cause communication errors. If an old version of node software with invalid property values is updated to a new version of software that checks for invalid values, the node will have problems communicating with NCE. This is especially true if a new config is sent to the node with the invalid values unchanged in the configuration.

46 With multidrop enabled, detection of standard RFU is not disabled. If multidrop is enabled on a node and a multidrop RFU is detected, detection of standard RFUs should be disabled. However, if a standard RFU is plugged into a multidrop port after any number of multidrop RFUs are online, the standard RFU will take the other RFUs offline. The standard node will then be the only RFU online.