

# ETC® Release Note

## Net3™ One Port Gateway



**Product Line:** Net3 One Port Gateway  
**Description:** Version 4.1.0 software

### Net3 One Port Gateway Software Components

Net3 Application	4.1.0.9.0.15
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**Engineering Change Master (ECM):** 500007096

**Effective Date:** 2010-06-24

### Purpose

The purpose of this release is to add support for data output of Ratified ANSI E1.31 streaming ACN data from one-port network gateways.

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

This software is currently available in new shipping units.

Future upgrades can be obtained in any of the following ways: download software binaries from the ETC Website, order the ETCNet2 Network Software kit, or upon request from ETC Technical Services.

### Downloading Files

The components of this release are available for download from the downloads section of the ETC website at [www.etconnect.com](http://www.etconnect.com).

### Documentation

The *Net3 One Port Gateway Setup Guide* covers the hardware setup, options and installation. The ETCNet2 Node Configuration Editor (NCE) user manual covers custom network configuration and use of Net3 One Port Gateways with ETCNet2 networks.

Please keep this release note with your user manual for descriptions of the newest features, changes and bug fixes in Net3 One Port Gateway. ETC manuals can be downloaded free of charge from ETC's website at [www.etconnect.com](http://www.etconnect.com). They are available in portable document format (pdf), and viewable with Adobe® Acrobat® Reader™ v6.x and later.

### Compatibility

#### ETC Components

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

#### sACN Data From:

- **Eos® Lighting Control System** - Version 1.9.x and later software.
- **Congo®/Congo jr Lighting Control** - Version 6.x.x and later software.
- **Net3™ Four Port Gateway (Net3/ACN mode)** - Version 3.0.x and later software.
- **Net3™ Two Port Gateway (Net3/ACN mode)** - Version 3.0.x and later software.
- **Unison® Paradigm ACP** - Version 1.1.1 and later software



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### ETCNet2 Data From:

- **Eos Lighting Control System** - Version 1.1.x and later software.
- **Congo™/Congo jr Lighting Control** - Version 4.x.x 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 4.3.x and later software.
- **Net3 Four Port Gateway (ETCNet2 mode)** - Version 4.0.x and later software.
- **Net3 Two Port Gateway (ETCNet2 mode)** - Version 4.0.x and later software.
- **ETCNet2 DMX Node** - Version 4.0.x and later software.
- **ETCNet2 Two Port Node** - Version 4.0.0 thru 4.1.x software.
- **Unison** - Version 1.9.x software.

### ETCNet(1) Data From:

- **(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

Net3 One Port Gateway v4.1.0 configured as an input gateway is not compatible with streaming ACN (sACN) devices that cannot receive **Ratified** E1.31 streaming ACN.

Net3 One Port Gateway v4.1.0 is incompatible with hardware and software running ETCNet2 software prior to those listed above.

In ETCNet1 mode, Net3 One Port Gateway v4.1.0 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 in ETCNet1 mode.

## Key Enhancements in v4.1.0

- Support for output of Ratified ANSI E1.31 streaming ACN
- Support for simultaneous input of Draft and Ratified ANSI E1.31 streaming ACN

## Initial Features in v4.0.0

- ETCNet2, ETCNet(1) and sACN compatible
- Configuration software: ETCNet2 Node Configuration Editor (NCE)

## Software Installation Instructions

New Net3 One Port Gateways will ship with the current version of software loaded and you should not need to update the software in the Gateway to begin using it.

If at a later date you need to update the software, the new version of software will be available from the ETC website. You can use NCE to load the new software into the Gateway over an Ethernet network.

## Issues Corrected in v4.1.0

- RND\_0012415 One Port Gateway does not accept software upgrade initiated by NCE
- RND\_0012125 One port gateway only has a Per-Universe priority of 100 in sACN mode
- RND\_0012102 When using Draft sACN, Per-Universe Priority 0 does not act as Priority 100
- RND\_0012098 sACN Usage tags not supported
- RND\_0012042 ACN Packet formatted incorrectly in Draft build of code

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## Known Issues Remaining in v4.1.0

- RND\_0012046 One-port gateway does not support any universe higher than 64

# Release Note:

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### Known Issues Remaining in v4.1.0 [Continued]

RND\_0012045 Gateway may time out before properly downloading from TFTP service

**Workaround:** Perform download a second time

RND\_0012044 When changing sACN/ NET2 mode the Gateway will reboot if already in the target mode

RND\_0012043 Network Beacon command not supported in the One Port Gateway

RND\_0000256 Offsetting the sACN Start Address is allowed but does not work - results in no output

RND\_0000255 When master console reasserts control, the gateway does not resync with the master until rebooted (eDMX only)

**Workaround:** After a Backup has taken over for a failed Master the Master and Backup must be restarted in order to provide redundant tracking protection.

RND\_0000250 Performance degradation can be observed when more than 6 sources are present.

RND\_0000248 LED fixtures may catch a timing issue with refresh of DMX buffers resulting in a "tear" of the dmx update.

RND\_0000247 Gateway responds to all EDMX sources