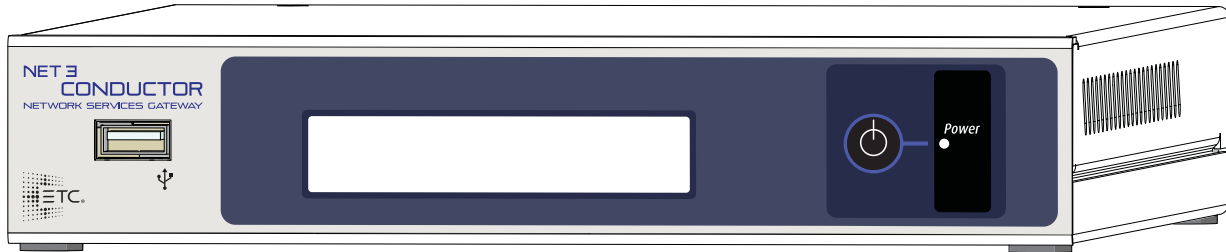


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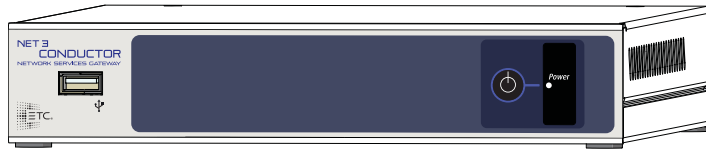
Net3 Conductor Network Services Gateway

Overview

Net3 Conductor Network Services Gateway provides powerful and flexible control for integrated lighting systems. This setup guide will guide you through the setup of the Net3 Conductor including hardware, electrical and data connections, unit power up, and connection to the built-in web interface.



Note: *Some models do not have a display but are functionally the same product.*



Each product is provided with a built-in web UI accessible through the use of a compatible Internet browser. See [Web Interface](#) on [page 5](#) for more details.

Features

Net3 Conductor provides the following features:

- A central repository for all system configurations.
- Multiple network services for simple network lighting system integration.
- Logging of real-time errors.
- Reporting tools providing access to historical errors using user defined filters.
- Real-time logging and notification of system errors using e-mail or SMS messaging.
- Configured using the built-in web interface or its companion software, Net3 Concert.
- On board LCD displaying information including the firmware version number, current date, time and time zone, IP address and system uptime. Additional displays include indication of firmware update processing.

Help from ETC Technical Services

If you experience difficulty during setup or installation of the Net3 Conductor, additional information is available from etcconnect.com or by contacting ETC Technical Services at the nearest office to you; contact information is listed below.



Corporate Headquarters ■ Middleton, WI, USA | +1 608 831 4116

Global Offices ■ London, UK | Rome, IT | Holzkirchen, DE | Paris, FR | Hong Kong | Dubai, UAE | Singapore

New York, NY | Orlando, FL | Los Angeles, CA | Austin, TX

Web etcconnect.com | **Support** support.etcconnect.com | **Contact** etcconnect.com/contactETC

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

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Setup and Connect

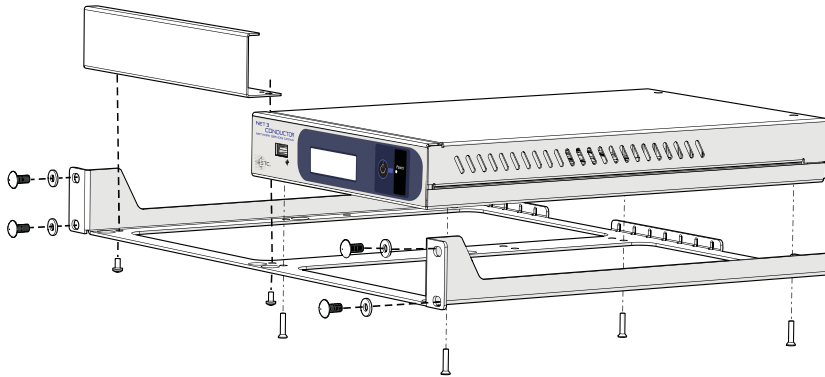
General Use



Note: *The Net3 Conductor unit must be mounted in a rack in a horizontal flat orientation, or flat on a table top.*

Net3 Conductor may be used as a tabletop device or be installed into a 19 inch equipment rack using the optional rack mount kit (ETC part number 4260K1011). Conductor requires 1 rack mount unit (1U) of space. The kit provides accommodations to mount an ETC gateway adjacent to Net3 Conductor, or to use a blank plate to fill the space. Contact ETC for ordering details.

Rack Mount Kit Installation



When the rack mount kit (ETC part number 4260K1011) is ordered separately from the Net3 Conductor, follow these instructions.

1. Lay your Net3 Conductor upside down on the table top. Position the rack tray over it, and secure it using four of the provided 6-32 screws.
2. When mounting an ETC gateway adjacent to the Conductor, secure the gateway in the same manner. If not, secure the provided blank plate using two of the remaining 6-32 screws from the kit.
3. Mount the assembled unit to your 19 inch rack using the provided 10-32 rack screws and washers. If required, rack nuts are also included.

Rack Mount Considerations

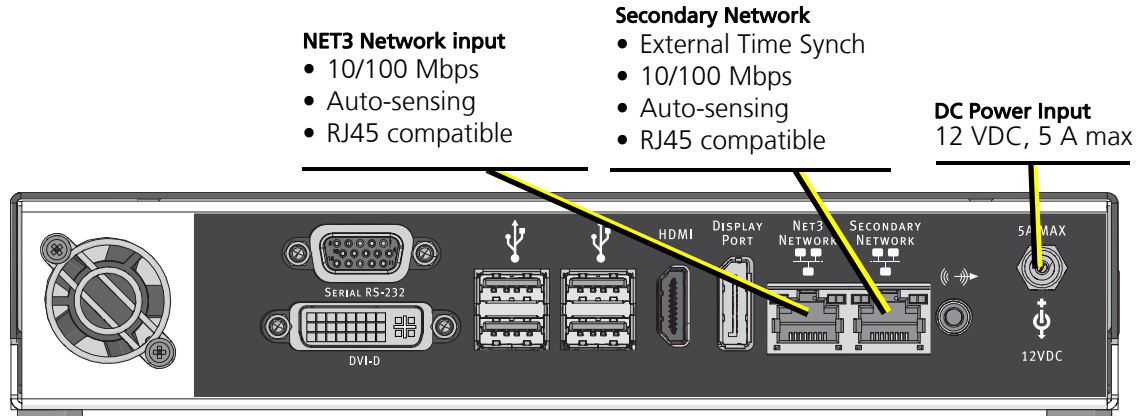
- **Elevated Operating Ambient** - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Care should be taken to not operate the processor in an enclosed environment above 104°F.
- **Reduced Air Flow** - When installing the processor in an equipment rack, the rack must be vented and have adequate airflow to maintain an operating temperature below 104°F.
- **Mechanical Loading** - Mounting of the equipment in an equipment rack should only be accomplished with the ETC rack hardware kit in a horizontal orientation to assure even mechanical loading in the rack to avoid hazardous or dangerous loading conditions.
- **Circuit Overloading** - Use only a supplied ETC power supply of 12 VDC / 5 A. When installed in an equipment rack, consideration should be given to the connection to the rack power source to avoid overloading of the rack circuit or supply wiring. Appropriate consideration of the rack or power distribution in the equipment rack should be applied during installation.
- **Reliable Grounding** - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to any supply connections other than directions to the branch circuit (e.g. use of power strips).

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Connect

Complete the Net3 Conductor unit connections as defined below:



4. Connect an Ethernet cable (not provided) between the ETC Net3 Ethernet network and the Net3 Network input connector on the unit.
5. Plug the provided DC power input cable into the power input receptacle on the rear panel of the unit and tighten the locking ring for a secure connection.
A regional-specific power supply kit has been provided. For EU regions, select the appropriate connector from the power supply kit and assemble the cable to the power supply then connect to the power source. Tie back the power supply in the rack, taking care to ensure the power supply is supported independently of the power connections.
6. When using an external network (external of the ETC lighting network) to access the Net3 Conductor for SMS and e-mail messaging of log reports and error data, connect the external network to the Secondary Network interface connector on the unit.



Note: *Do not connect the Net3 Conductor directly to the Internet without an appropriate firewall or network address translation system in place. When working in a corporate environment or building network system, consult your network system administrator for assistance in setting up a secured connection.*

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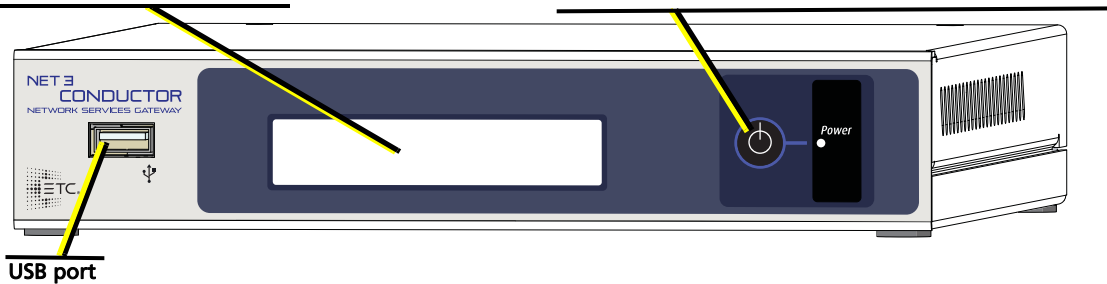
Initial Power Up and Status

Display

Cycles information related to the Net3 Conductor and the network

Power button

- Press and release to power up or shut down
- Solid LED indicates power on



The power button and LED on the front of the unit provide information about the power state of the device. During normal operation, the indicator remains lit.

Apply power to the unit and it will immediately power on.

The power indicator illuminates in blue when the unit is powered on and the display will begin cycling through the available status screens.

During the power up and shut down cycles, the power indicator flashes.

During a firmware update, the power LED will flash progressively. When the update is complete, the power LED returns to a solid state.



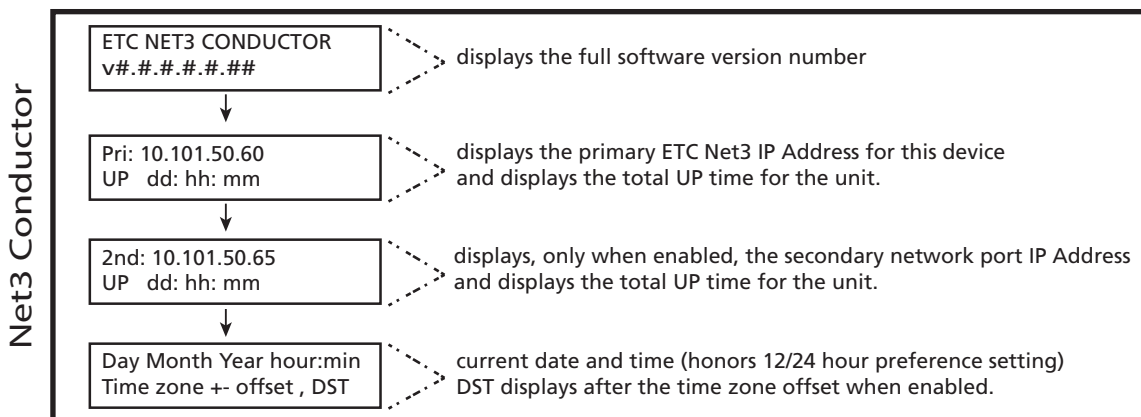
Note: *In case of a power loss, the Net3 Conductor restores to the previous power state when power is restored.*

Display



Note: *Some models do not have a display but are functionally the same product. Each product is provided with a built-in web UI accessible through the use of a compatible Internet browser. See [Web Interface](#) on [page 5](#) for more details.*

The backlit display cycles through the following screens in two second intervals:



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Firmware Update

When updating firmware to the Net3 Conductor, the display will show progress of the firmware retrieval and the installation.

Web Interface

Net3 Conductor is provided with a built-in web interface, accessible only through the use of a web browser. The web interface allows for:

- access to view and set the network IP and mode
 - access to set up a secondary network connection as well as SMTP server settings
 - ability to configure Windows File Sharing
 - access to set and monitor the services provided over the ETC Net3 network; such as DNS server, NTP time server, File Sharing access, and the DHCP server
 - ability to configure logging features, including saving and clearing data and setup of log backup destinations
 - ability to generate a backup of the current configuration and upload a configuration
 - ability to upgrade Net3 Conductor software
 - ability to reboot, shutdown, or restore the factory defaults to the Net3 Conductor
 - ability to set up email alerts, set up rules, and post HTTP actions for system error events
 - ability to view Paradigm and Net3 projects that have energy management enabled
 - ability to back up and restore energy management data
1. To view this web interface, physically connect and configure a computer to the same network as the Net3 Conductor.
 2. Launch the desired web browser (Internet Explorer 7 or newer, Firefox, etc).
 3. Enter the Net3 Conductor IP address in the address line of the web browser. The factory default IP address is 10.101.50.60.

For further configuration information, reference the Net3 Conductor built-in help system by clicking on the "Help" tab at the left side of the web interface screen.