



ETHERNET EXTENDER & POE EXTENDER EXPERTS

Enable-IT 860WC PRO Gigabit Coax Ethernet Extender Kit Quickstart Guide



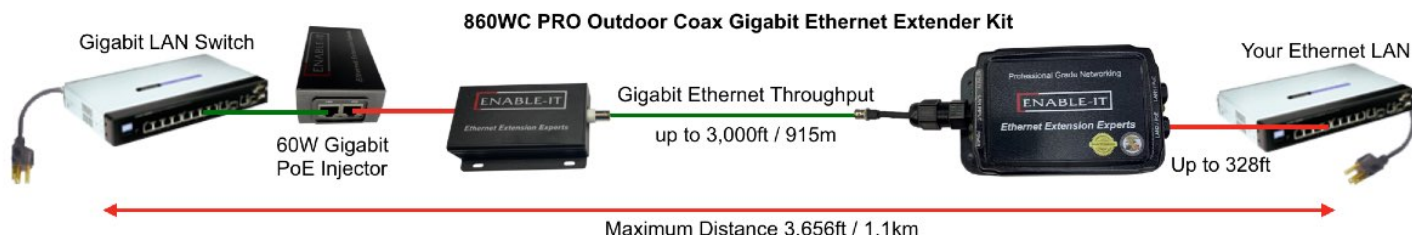
Professional Grade Networking



INSTALLING THE 860WC PRO GIGABIT COAX EXTENDER

The Enable-IT 860WC PRO Gigabit Coax Ethernet Extender Solution has a distance reach of up to 3,000ft (915m) over 75 Ohm rated RG6 cabling between the 860WC PRO units. You can add an additional 328ft (100m) onto the end of each 860WC PRO LAN output ports for a total distance of 3,656ft (1.1km) from device extension to device extension.

A site survey of the wiring and installation planning are highly recommended. For highest performance use 75 Ohm rated RG6 cabling for the interlink wiring.



We highly recommend that you perform a quick out of the box test to ensure the working order of your Enable-IT 860WC PRO Gigabit Coax Ethernet Extender units prior to installing. This will also serve to familiarize you with how easy the process should be. Follow the steps below to perform the Out Of the Box Test.

- Step 1** - Attach the Enable-IT 360 60W 56V PoE injector to the 860WC PRO CO unit and to your AC outlet. The Power LED will indicate the 860WC PRO CO unit is receiving power.
- Step 2** - Connect the 860WC PRO units together using your own RJ6 75 Ohm Coax cable – attach to the coax cable to the Interlink port on each 860WC PRO unit as shown by the green line connecting the units in the diagram above. On both units, the green Link LED will blink rapidly when it sees the partner unit and connects successfully. The LAN Port LEDs will blink as they see passing traffic (data).
- Step 3** - Attach and test to confirm your LAN Equipment works through the 860WC PRO extension, connect your Ethernet LAN to the 860WC PRO Injector unit LAN port and the remote device/s to the 860WC PRO Extender LAN port and test connectivity. Green Blink rapidly when it sees the partner unit – indicates working connection – Green No LED indicates it cannot see the partner unit.

LAN/Power side LEDs

- Mode** – Green LED (LED On = CO unit, LED Off = CPE unit)
- Link** – Green Blink rapidly when it sees the partner unit – indicates working connection
– Green No LED indicates it cannot see the partner unit.
- Power** – Green Solid LED indicates the unit is receiving 12V power.
- LAN Sync.** – Green LED
 - Off = No device attached or detected.
 - On = Solid, indicates the presence of local LAN.
- LAN Act.** – Yellow LED
 - Blinking = Indicates the presence of local LAN traffic.

The Green Link LEDs will blink rapidly when it sees the partner unit and connects successfully.

This confirms basic proper operation of the units.

Performing the On-Site Installation

After removing the Enable-IT 860WC PRO Gigabit Coax Ethernet Extender Kit from the box, and performing the Out Of The Box Testing (OOTBT), all that remains to install the unit on-site is to mount the unit, build the interconnect wiring and attach the LAN device cabling with the provided Ethernet Patch cords.

Mounting the Enable-IT 860WC PRO Gigabit Coax Ethernet Extender Units

The Enable-IT 860WC PRO Gigabit Ethernet Extender solution is designed for quick wall mounting. Choose a location to mount each of the Enable-IT 860WC PRO's where the maximum distance does not exceed 3,000ft (915m) total between devices to be connected. When wall-mounting the Enable-IT 860WC PRO unit it is recommended that you use the appropriate screw anchors for your mounting surface. If mounting on existing plywood use wood screws; if mounting onto drywall or sheetrock, use plastic drywall anchors to secure your installation.

Building the 860W PRO Interlink Wiring

The most important aspect of the installation is the correct wiring of the Interlink cabling.

The 860WC PRO Interlink port (Coax BNC) carries this 1-pair signaling over 75 Ohm rated RG6 cabling and is used as the transport for gigabit transport and powering up the remote waterproof CPE unit.

For all wiring you will need to crimp a Coax BNC head to each end of the contiguous wire run. The 860WC PRO BNC Interlink port carries this 1-pair signaling and power over the coax. For all wiring you will need to crimp a 75 Ohm BNC Female head to each end of the contiguous wire run straight through. We recommend using 75 Ohm coaxial cable as it is optimized for high throughput frequencies isolated from cross-talk noise. Insert the completed BNC ends into the 860WC PRO BNC Interlink port on each 860WC PRO unit.



Cabling Devices to The Enable-IT 860WC PRO Extended Ethernet Kit

Attach your remote LAN device to the 860WC PRO Extender unit LAN port with Ethernet patch cord provided. Attach your local LAN to the 860WC PRO Injector LAN port with Ethernet patch cord provided. Attach the 56V - 65W PoE Injector to the 860W PRO CO unit.

Attach your local Interlink cabling end to the 860WC PRO Injector unit Interlink port – Then do the same for the remote end and plug into the 860WC PRO Extender unit Interlink port. The Interlink side Green Link LED should blink rapidly, indicating it sees the remote partner. There is no sync delay! Your equipment should now be powered up and functioning.

Troubleshooting

First examine the backbone wiring pair and make sure you have solid connections. The Interlink green Link LED will blink rapidly when it sees the partner unit and connects successfully. If the Interlink Sync LED Link is off.... Then follow the steps below:

- 1) Make sure your wiring is straight through and not connected to any shared coax run or taps; If so remove them from the run so as to make a solid straight through run.
- 2) Check for a firm connection of the RJ-45 and Coax BNC connections in each 860WC PRO unit, and power is applied to the 860W PRO Injector unit. The remote CPE Extender unit should be receiving power.
- 3) **You can easily isolate any issue by performing an Out Of The Box Test (OOTBT). This test will confirm the correct working order of your Enable-IT 860W PRO Ethernet Extender Kit. This will point to a possible issue with your long distance Interlink wiring being affected by possible outside interference.**

TECHNICAL SUPPORT

Online Technical Services

The Enable-IT Support [Portal](#) is available 24/7 to open a ticket or check the status of one. Please use this support website as your first source for help as it contains an on-line knowledge base of articles, documentation, FAQ's and other problem-solving resources. This web-based support resource provides the quickest solution to the most common technical support issues.

Returning Products for Warranty Repair

Enable-IT warrants to the original purchaser of this described Product ("you" or the "End User") that, for the limited lifetime period commencing on the date the Product was purchased (the "Warranty Period"), the Product will be substantially free from defects in materials and workmanship under normal use and conditions. Lifetime Warranty details here: <https://warranty.enableit.com>

This warranty does not apply to Products, which are resold as used, repaired or reconditioned. **Electrical or water damage is not covered under this warranty, extended warranties or Advanced Replacement Program (AREP).**

In order to obtain an authorized RMA approval, the End User must complete the required information online located at <https://support.enableit.com> If you have questions or difficulty completing this information you may contact the Customer Care Team at 888-309-0910 between the hours of 7:00 a.m. and 4:00 p.m. Pacific Time(PST).

Returning Products for Refund

Enable-IT, Inc. offers a generous 45-Day refund on a single Ethernet Extender Kit only, and is subject to a 20% Restocking Fee. Shipments without a valid or authorized RMA number, or sent to our corporate Las Vegas address, can be refused and / or billed for additional shipping.

CONTACT US

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