

# Enable-IT 865XSC PRO Gigabit Coax PoE Extender Kit Quickstart Guide

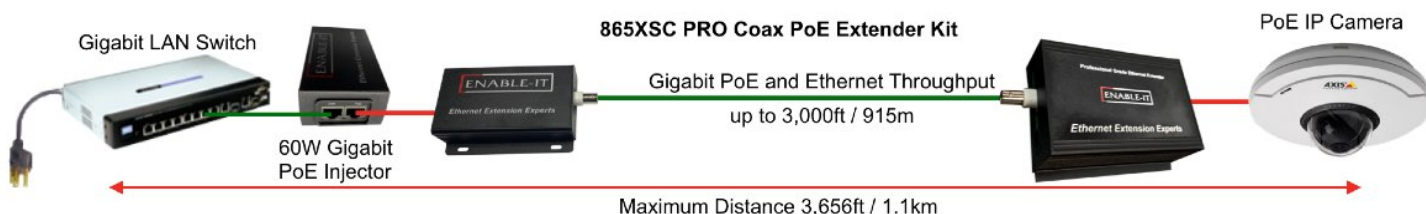


**Professional Grade Networking**

## INSTALLING THE 865XSC PRO COAX POE EXTENDER KIT

The Enable-IT 865XSC PRO Gigabit Coax Ethernet Extender Solution has a distance reach of up to 3,000ft (915m) over 75 Ohm rated RG6 cabling between the 860XSC PRO units. You can add an additional 328ft (100m) onto the end of each 860XSC PRO LAN output ports for a total distance of 3,656ft (1.1km) from device extension to device extension.

Therefore a site survey of the wiring and installation planning are highly recommended.



**We highly recommend that you perform a quick out of the box test to ensure the working order of your Enable-IT 865XSC PRO Gigabit Coax PoE 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 60W 56V DC Gigabit PoE Injector and power adapter to the local 865XSC PRO unit and power up the unit. The Power LEDs will indicate the injector and 865XSC PRO unit is receiving power.
- Step 2** - Connect the 865XSC PRO units together using your own RJ6 75 Ohm Coax cable – attach to the coax cable to the Interlink port on each 865XSC PRO unit as shown by the green line connecting the units in the diagram above. The 865XC PRO CO unit Green Link LED will blink rapidly when it is connected to the Extender unit successfully and passing traffic (data).
- Step 3** - Next for a more detailed test and to confirm your PoE Equipment works with the 865XSC PRO, connect your Ethernet LAN to the 865XSC PoE Injector and the remote PoE device/s to the remote 865XSC PRO LAN port and test connectivity. The Green Interlink Sync LED will pulse rapidly as it detects traffic.

**This confirms basic proper operation of the units.**

### Performing the On-Site Installation

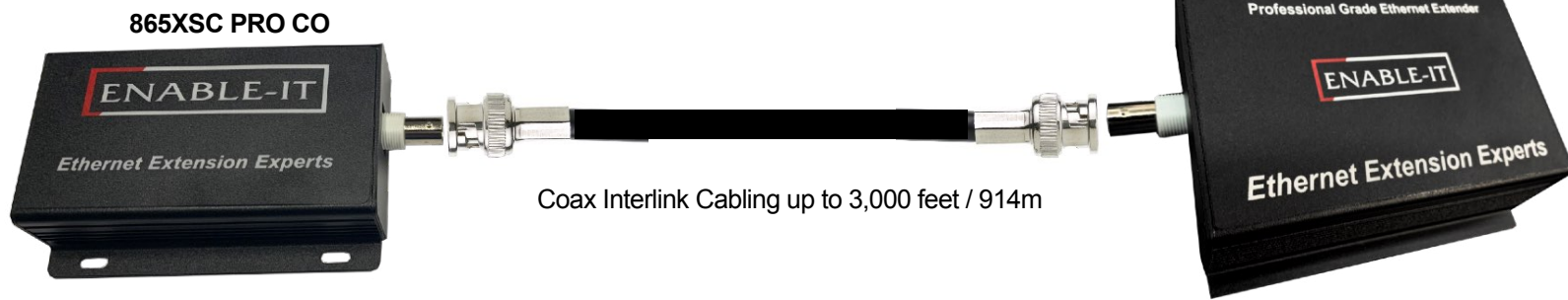
After removing the Enable-IT 865XSC PRO Gigabit Coax PoE Extender Kit from the box, and performing the Out Of The Box Testing (OOTBT), all that remains to install the unit on-site is to mount the unit, build the interconnect wiring, add voice lines if needed, and attach the LAN device cabling with the provided Ethernet Patch cords.

### Building the 865XSC PRO Interlink Wiring

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

The 865XSC 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.

For all wiring you will need to crimp a Coax BNC head to each end of the contiguous wire run. The 865XSC 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 865XSC PRO BNC Interlink port on each 865XSC PRO unit.



## Cabling Devices to The Enable-IT 865XSC PRO Extended Ethernet Kit

Attach your remote PoE device to the 865XSC PRO CPE unit LAN ports with Ethernet patch cord provided. Attach your local LAN to the 865X PoE Injector PoE Injector with Ethernet patch cord provided. Attach the power adapters to both 865XSC PRO units.

Attach your local Interlink cabling end to the 865XSC PRO CO unit Interlink port – Then do the same for the remote end and plug into the 865XSC PRO CPE unit Interlink port. The Sync LED's will flicker in a sequence talking to each other until they go solid. Your equipment should now be powered up and functioning. LED indicators will provide visual operational status of the 865XSC PRO units.

## Troubleshooting

First examine the backbone wiring pair and make sure you have solid connections. The Interlink Link LED should blink rapidly, indicating it sees the remote partner. The units sync instantly and have no delay. If either fail to light up.... Then follow the steps below:

- 1) Make sure your wiring is straight through end to end coax.
- 2) Check for a firm connection of the RJ-45 and Coax BNC connections in each 865XSC PRO unit, and power is applied to the 865XSC PRO CO & CPE units.
- 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 865XSC PRO Gigabit Coax PoE Extender Kit. This will point to a possible issue with your long distance Interlink wiring being affected by possible outside interference.

## 865XSC PRO Remote unit DIP Switch Settings

- Switch 1: ON - only for 865XSC PRO remote unit
  - PoE On – Down / On Position - Default**
  - PoE Off – Up / Off Position
- Switch 2: ON - only for 865XSC PRO remote unit 4-Pair output
  - PoE 2-Pair – Up / Off Position
  - PoE 4-Pair – Down / On Position - Default**
- Switch 3: Not Used
- Switch 4: Not Used



## 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

### Sales and Customer Care:

Toll Free US and Canada	888 309-0910
Other International	+1 702 924-0402

E Mail	<a href="mailto:sales@enableit.com">sales@enableit.com</a> <a href="mailto:support@enableit.com">support@enableit.com</a>
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### RMA Support:

<https://support.enableit.com>