

# ELK-POE47TS Ethernet/PoE Adapter for ELK-7TS Touchscreen



## APPLICATION:

The ELK-POE47TS is an Ethernet and PoE Adapter designed for use with the ELK-7TS Touchscreen. It provides two different functions as described below.

The ELK-POE47TS can be used as an Ethernet adapter. It provides a method of connecting the ELK-7TS to a network via a network patch cable when Wi-Fi is unavailable or not preferred. When used in this manner, a separate 12VDC power source must be connected to the dedicated power connector of the touchscreen.

The ELK-POE47TS can also be used to provide both power and network connectivity to the ELK-7TS when used in conjunction with a PoE enabled switch or PoE injector. When used in this manner, power must be supplied by the PoE switch or injector.

## SPECIFICATIONS:

- RJ45 port and pre-wired touchscreen connector for easy installation
- Network processor and traffic LEDs indicators
- 15" cable to touchscreen
- LAN Bandwidth: 10/100 Mbps
- Supported PoE standard: 802.11at
- PoE Power Requirements: 48VDC - 57 VDC, minimum of 18W per PoE port
- Power Output (when used with PoE switch or injector): 12VDC, 1.5A (18W)

Features or Specifications subject to change without notice.

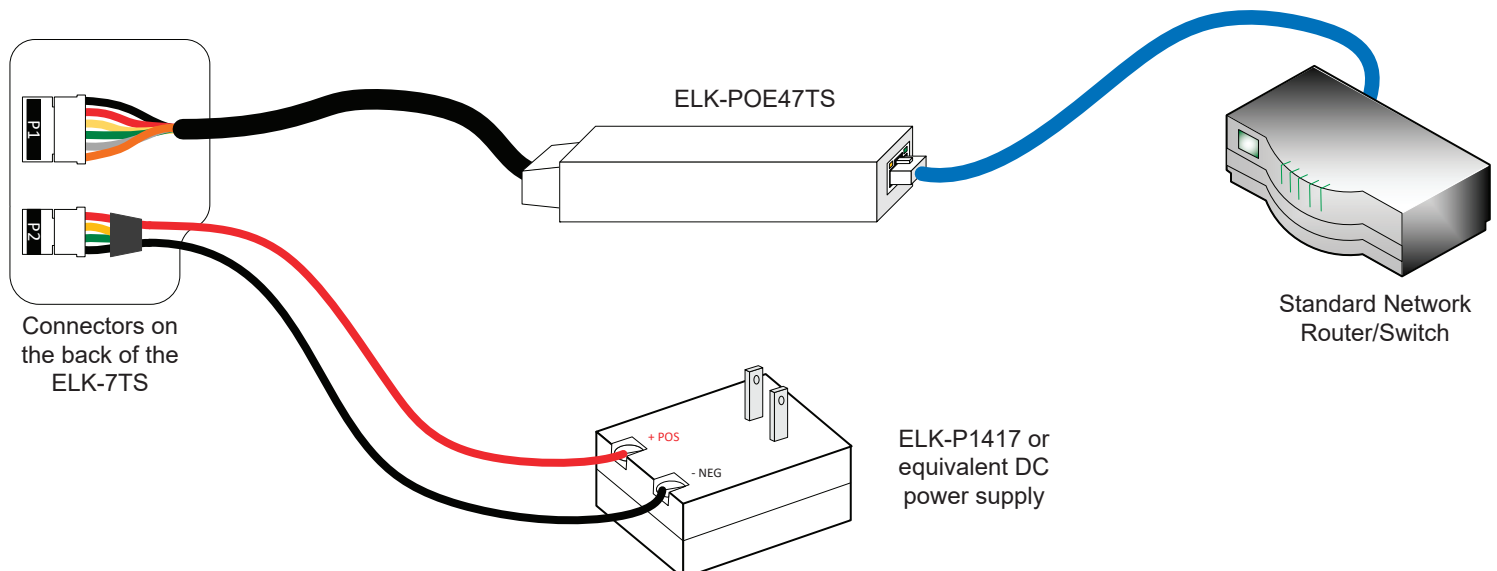


**Before installing the Ethernet/PoE adapter, you MUST power down the ELK-7TS.**

## ETHERNET INSTALLATION INSTRUCTIONS:

These instructions outline how to install the ELK-POE47TS for use with a standard network router and separate 12VDC power supply (ELK-P1417 recommended).

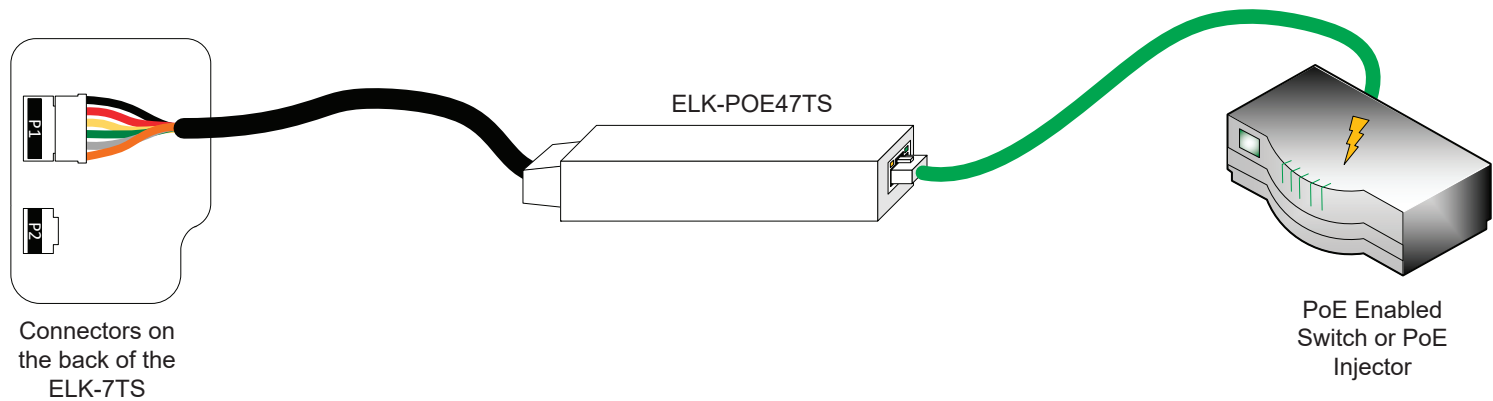
1. Use the power supply wiring harness included with the ELK-7TS touchscreen. Connect the red wire on the harness to the positive terminal of the power supply. Connect the black wire on the harness to the negative terminal of the power supply. **Be careful to observe polarity!**
2. Using a standard network patch cable, connect the RJ45 port on the ELK-POE47TS to a standard network router or switch.
3. Locate the two connectors on the back of the ELK-7TS. Plug the small 6-Pin connector of the ELK-POE47TS into the P1 connector. Plug the 4-pin power supply wiring harness into the P2 connector.
4. Plug the P1417 power supply into an AC outlet to power up the ELK-7TS. The Green LED on the ELK-POE47TS will illuminate, indicating the adapter detects the touchscreen connection.



POE INSTALLATION INSTRUCTIONS:

These instructions outline how to install the ELK-POE47TS for use with a PoE enabled switch or PoE Injector

1. Using a standard network patch cable, connect the RJ45 port on the ELK-POE47TS to the PoE enabled switch or PoE Injector.
2. Locate the two connectors on the back of the ELK-7TS. Plug the small 6-Pin connector of the ELK-POE47TS into the P1 connector. The P2 connector on the ELK-7TS is unused in this application.
3. The Green LED on the ELK-POE47TS will illuminate, indicating the adapter detects the touchscreen connection. The Amber LED on the ELK-POE47TS will illuminate solid, indicating the presence of power over Ethernet.



NETWORK CONNECTIVITY:

When the ELK-POE47TS is installed in the Ethernet or POE configuration, the ELK-7TS Touchscreen will automatically connect to the LAN. The ELK-7TS and the Alarm Engine or M1 Control it will be used to operate must be connected to the same LAN. See the ELK-7TS reference guide for more information on getting connected to the Alarm Engine or M1.

**NOTE:** Wi-Fi is enabled by default on the ELK-7TS. When using the ELK-POE47TS in Ethernet or POE mode, it is recommended to turn off Wi-Fi and disable the “Turn on Wi-Fi Automatically” setting found in the Wi-Fi preference page.

LIMITED WARRANTY

The POE47TS Ethernet/PoE Adapter is warranted to be free from defects and workmanship for a period of 2 years from date of manufacture. Elk makes no warranty, express or implied, including that of merchantability or fitness for any particular purpose with regard to batteries used with wireless devices. Refer to Elk’s website for full warranty statement and details.

FCC AND IC COMPLIANCE STATEMENT:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada’s licence-exempt RSS(s). Operation is subject to the following two conditions:

- This device may not cause interference.
- This device must accept any interference, including interference that may cause undesired operation of the device

L’émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d’Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L’exploitation est autorisée aux deux conditions suivantes :

- L’appareil ne doit pas produire de brouillage;
- L’appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d’en compromettre le fonctionnement.

CAN ICES-3 (B)/NMB-3(B)