



LOREX ACVTR Series Coaxial-to-Ethernet Converter User Guide

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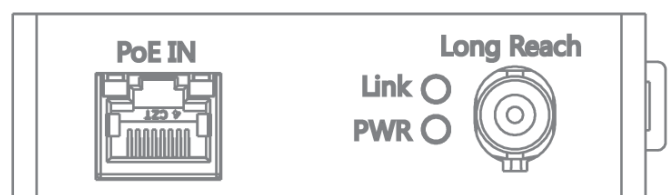
LOREX ACVTR Series Coaxial-to-Ethernet Converter



Package Contents



Transmitter (ACVTR)



Receiver (ACVRC)

Safety Precautions

Please read the following safeguards and warnings carefully before using the product in order to avoid damages and losses:

- Do not expose the device to lampblack, steam or dust. Otherwise, it may cause fire or electric shock.
- Do not install the device at position exposed to sunlight or in high temperature.
Temperature rise in device may cause fire.
- Do not expose the device to humid environment. Otherwise, it may cause fire.
- The device must be installed on solid and flat surface in order to guarantee safety under load and earthquake.
Otherwise, it may cause device to fall off or turnover.
- Do not place the device on carpet or quilt.
- Do not block air vent of the device or ventilation around the device. Otherwise, temperature in device will rise and may cause fire.
- Do not place any object on the device.
- Do not disassemble the device without professional instruction.

Warning: Do not use power line other than the one specified. Please use it properly. Otherwise, it may cause fire or electric shock.

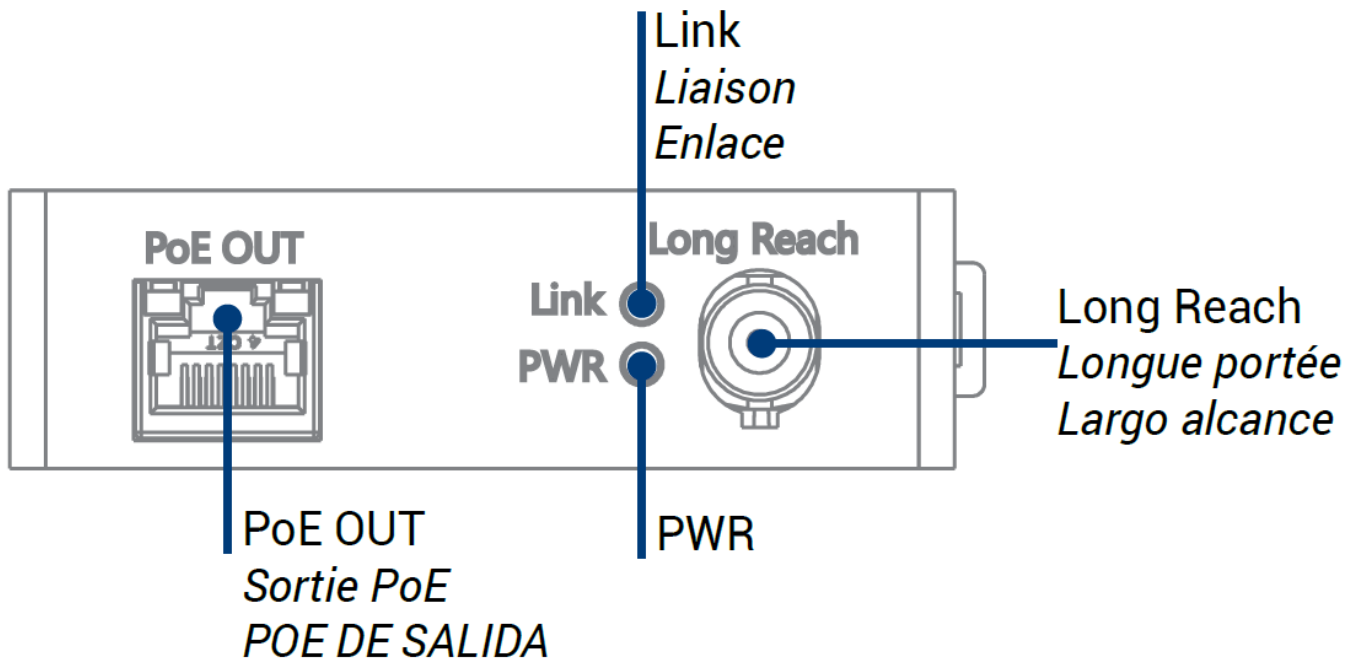
Disclaimers

- This manual is for reference only.
- All the designs and software here are subject to change without prior written notice.

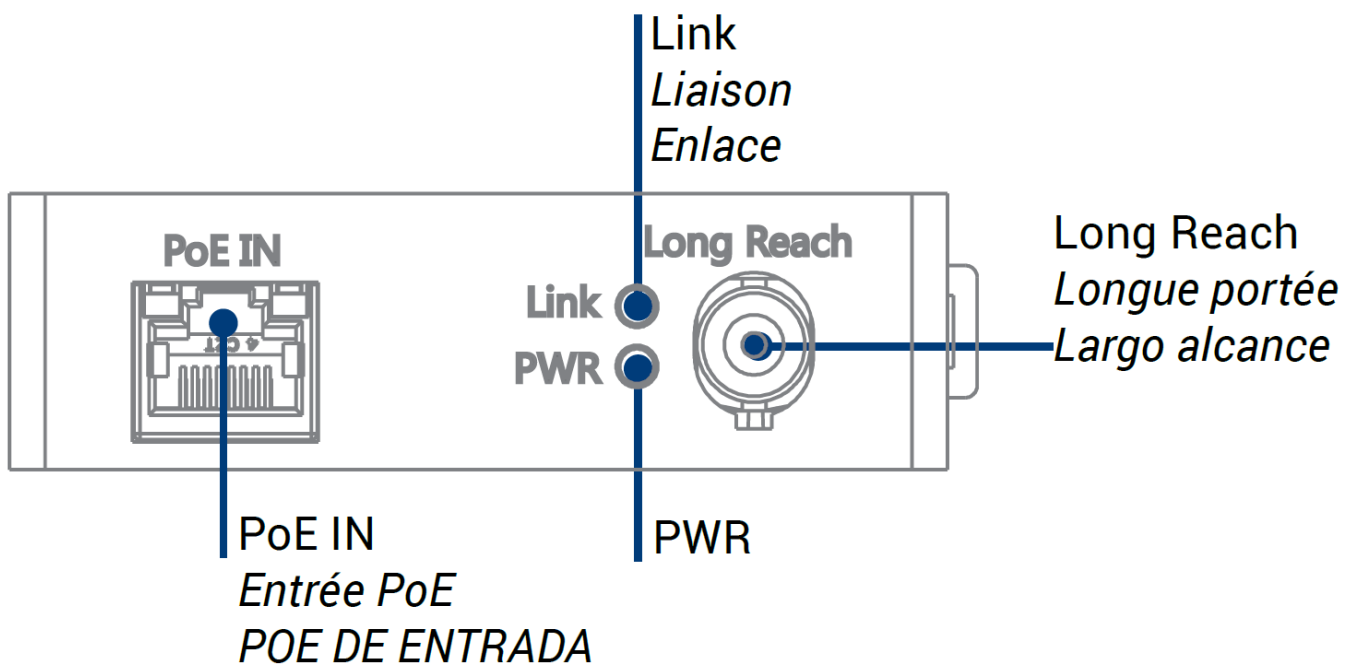
- All trademarks and registered trademarks are the properties of their respective owners.
- The function of the ITE being investigated to EN 62368-1 is considered not likely to require connection to an Ethernet network with outside plant routing, including campus environment.
- The installation instructions clearly state that the ITE is to be connected only to PoE networks without routing to the outside plant.

Product Overview

Transmitter

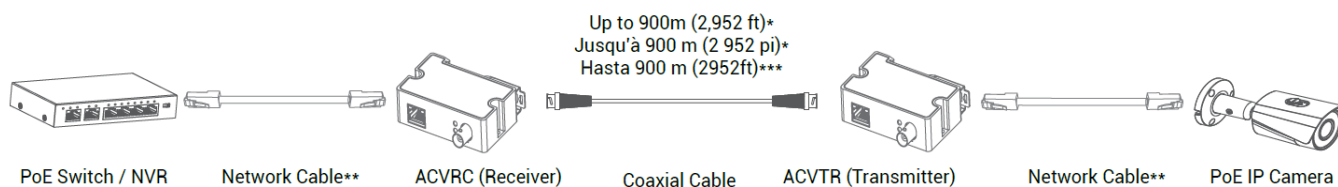


Receiver



Name	Function
PoE OUT	PoE output port
PoE IN	PoE input port
Link	BNC port Link indicator light E100: On for 3 seconds, off for 1 second E10: On for 1 second, off for 1 second
PWR	Power indicator light
Long Reach Longue	Coaxial cable port

Setup



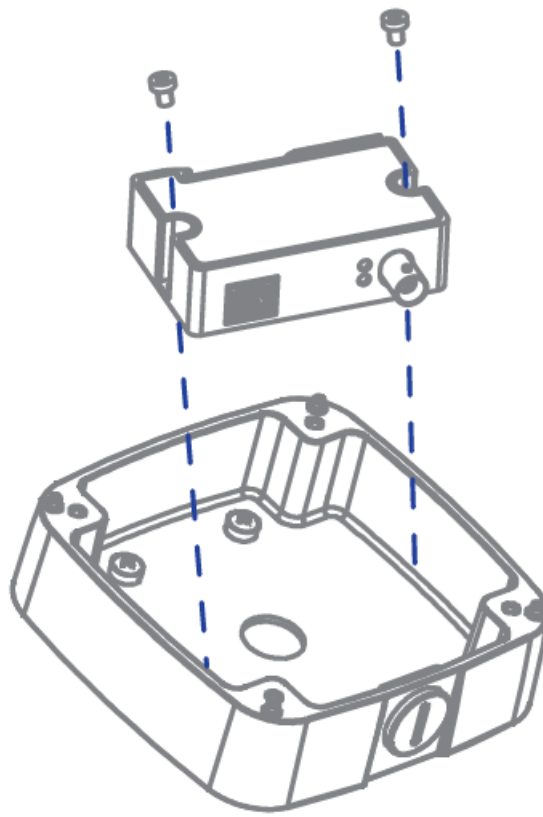
- Performance and supported length are subject to transmission coaxial cable and coupler quality.
- Use a solid wire Cat5e/Cat6 network cable (not included)

PoE Switch, NVR, camera, network cables and coaxial not included.

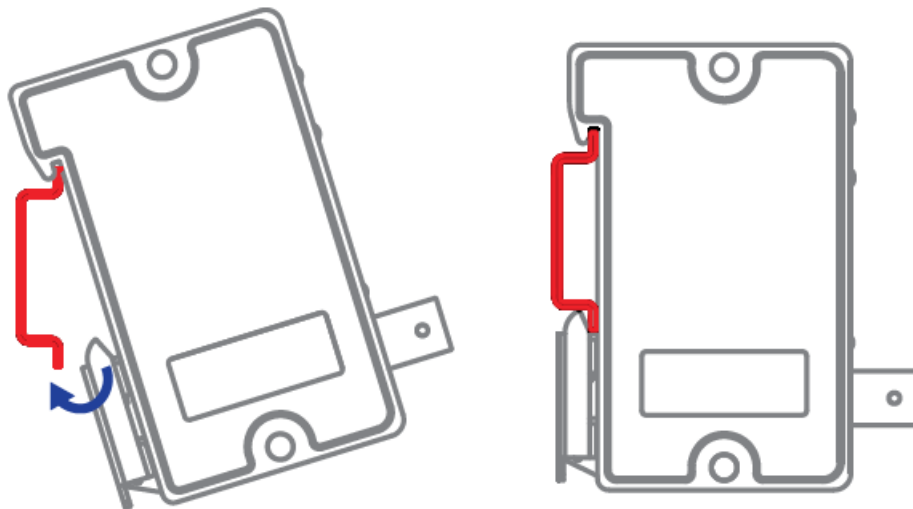
Mounting

Optional

The Coaxial-to-Ethernet Converter supports two installation modes: junction box or it can support DIN rail mount (not included). Refer to the junction box manual for installation instructions. Note: Supports slide width of 28mm (1.1").



Supports slide width of 28mm (1.1").



Product Description

The Coaxial-to-Ethernet Converter is a type of converter from RJ45 to BNC port, which supports long range power supply transmission via coaxial cable. It provides one BNC coaxial port and one RJ45 port. The product is equipped with two transmission modes which are 100 Mbps and 10Mbps. It can be modified according to the transmission distance.

Features

- Supports IEEE802.3, IEEE802.3u and IEEE802.3X standards.
- Supports IEEE802.3af and IEEE802.3at power supply standards.
- Port: 1 x RJ45 10/100Mbps, 1 x BNC.

- Supports RG59 coaxial cable: 400m/1 00Mbps, 1000m/10Mbps.
- Supports MDI/MDIX self-adaption.
- Supports long range power supply transmission via coaxial cable.
- Operating temperature: -30-65°C.

PoE Power Supply Specifications (RG59 Coaxial Cable)

PoE Power Supply Specifications (RG59 Coaxial Cable)			
Cable Length (m)	Communication Bandwidth (Mbps)	PoE Max Load Capacity (W)	Network Operating Mode
100	100	21	E100
200	100	15	E100
300	100	11	E100
400	100	9	E100
500	10	7	E10
800	10	5	E10
1000	10	4	E10

ePoE switch supply voltage 48V. / RG-59, max. DC resistance < 5 Ω / 100m (328 ft).

Caution: The load capacity can be applied to networking scheme 3. Cable length means the total wire length from switch to transmitter (including network cable and coaxial cable). It can use max. 2m network cable to connection transmitter to IPC.

Cable Length (m)	Communication Bandwidth (Mbps)	PoE Max Load Capacity (W)	Network Operating Mode
100	100	25.5	E100
200	100	24	E100
300	100	19	E100
400	100	16	E100
500	10	13	E10
800	10	8	E10
1000	10	6	E10

ePoE switch supply voltage 53V. / RG-59, max. DC resistance < 5 Ω / 100m (328 ft).

Caution: The load capacity can be applied to networking scheme 3. Cable length means the total wire length from switch to transmitter (including network cable and coaxial cable). It can use max. 2m network cable to connection transmitter to IPC.

Need Help?

For up-to-date information and resources:

1. Visit help.lorex.com
2. Search for the model number of your product
3. Click on your product in the search results
4. Click on the Downloads tab

Register your product

Please see our full Terms of Service and Limited Hardware Warranty Policy at: lorex.com/warranty

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As our products are subject to continuous improvement, Lorex reserves the right to modify product design, specifications and prices, without notice and without incurring any obligation. E&OE. All rights reserved.

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.

Documents / Resources



[LOREX ACVTR Series Coaxial-to-Ethernet Converter](#) [pdf] User Guide
ACVRC, ACVTR Series, ACVTR Series Coaxial-to-Ethernet Converter, ACVTR Series, Coaxial-to-Ethernet Converter, Converter

References

- [Lorex Technical Support | LOREX Support](#)
- [Lorex Limited Warranty - Exceptions, Obligations | Lorex](#)