LANCOM GE PoE+ Injector Installation

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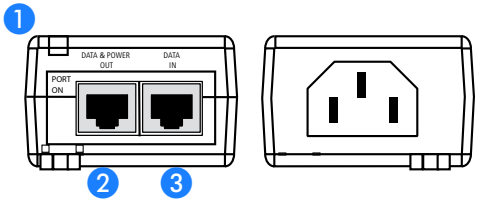
The LANCOM GE PoE+ Injector operates as a compact 1 port PoE+ injector ccompliant to the PoE standards IEEE 802.3at and 802.3af. It supports gigabit connections and is ideally suited for power supply of PoE+ devices via CAT5 Ethernet cable (or better) for distances up to 100 m. Further technical details can be found in the datasheets at www.lancom.eu.

When feeding power to PoE+ devices in outdoor applications it may be necessary to install lightning or surge protecting equipment. Further information on lightning protection can be found in the LANCOM Outdoor Wireless Guide, which can be downloaded from www.lancom.eu.

Connectors and LEDs of the LANCOM GE PoE+ Injector

On one side of the LANCOM GE PoE+ Injector you will find the connection interface for the included IEC power cord. The other side of the injector offers two RJ45 sockets for LAN cable connection and two LEDs for status display.



1 LED Indicator for LAN Connectivity and Power Supply

yellow	permanently on	Power supply active.
green	permanently on	PoE+ device is connected and fed with power.
green	blinking	Overload or short circuit in power supply.

2 Ethernet socket for conneting the PoE+ device

3 Ethernet socket for connecting to the LAN

Mounting and connecting

1 Optionally the LANCOM GE PoE+ Injector can be wall mounted using the holders

Do not cover the housing of the LANCOM GE PoE+ Injectors and provide sufficient air flow to avoid overheating of the device.

2 Connect the LANCOM GE PoE+ Injector to an appropriate AC outlet (100 to 240 V AC) using the included power cord.

3 Connect the Data In port of the PoE+ injector to a free switch port using a CAT5 Ethernet cable (or better).

4 Connect the Data & Power Out port of the PoE+ injector to the PoE+ device using a CAT5 Ethernet cable (or better).

Do not use a cross over cable for connection between PoE+ injector and PoE+ device. Cross over cables use an improper pin assignment.

Please observe that the maximum distance between PoE+ injector and PoE+ device does not exceed 100 m. The PoE+ injector is not a repeater and cannot amplify the data signal.

According to the WEEE directive (Waste Electrical and Electronic Equipment) this device may not be disposed in your general household waste. Dispose the product to an appropriate collection system for further recycling.

Troubleshooting

PoE+ injector does not power up.	Verify the connection to the AC outlet and the power cord.
	Verify that the voltage at the power inlet is between 100 and 240 VAC.
	Remove and re-apply power to the device. Check the indicators during the up sequence.
The LAN LED is not lit and the PoE+ device does not operate.	The injector did not detect a PoE+ device and therefore the port is not enabled.
	Verify that the connected device is designed for PoE+ operation.
	Verify that you are using a standard CAT5 Ethernet cable (or better) for the connection between PoE+ injector and PoE+ device. Do not use cross over cables!
	If an external power splitter is in use, replace it with a known verified splitter.
	Ensure that the Ethernet cable is connected to the Data-In port.
	Verify that the PoE+ device is connected to the Data & Power Out port.
	Try to reconnect the PoE+ device using a different PoE+ injector to locate the error.
	Verify that there is no short circuit over one of the Ethernet cables.
The PoE+ device operates, but there is no data link.	Verify that the LAN LED is lit permanently.
	If an external power splitter is in use, replace it with a known verified splitter.
	Verify that you are using a standard CAT5 Ethernet cable (or better) for the connection between PoE+ injector and PoE+ device. Do not use cross over cables!
	Verify that the Ethernet cable length from the PoE+ injector to the PoE+ device does not exceed 100 m.
	Try to reconnect the PoE+ device using a different PoE+ injector to locate the error.

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