

# **DIREKTRONIK**

Dataprodukter utöver det vanliga

## **User Guide**

**Gigabit waterproof PoE Injector**



**DIREKTRONIK**

Direktronik AB tel. 08-52 400 700 [www.direktronik.se](http://www.direktronik.se)

## Package Contents

Check the following contents of your package:

- PoE Injector x 1
- User Guide x 1
- Power Cord x 1
- Accessories ( water joint )

If any part is lost and damaged, please contact your local agent immediately.

## Introduction

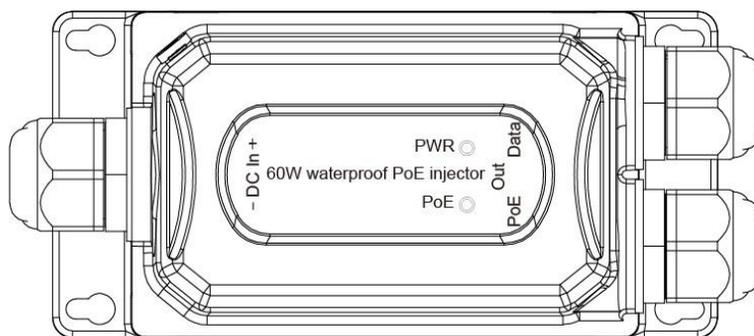
This Product is a Gigabit IP67 waterproof PoE Injector independently developed by our company. Provides fully complies with IEEE 802.3af/at/bt standard, and can work with all IEEE 802.3af /at/bt PoE compliant PDs (Powered Devices) or PoE Receiver Adapters or other equivalent product, to expand your network to where there are no power line or outlet,without configuration, plug and play.

Professional room shell design, adapted to various harsh environments, with high stability, reliability, industrial level, wide temperature. The whole machine does not need power adapter, so it is convenient for harsh outdoor environment .reliable and convenient power for outdoor work AP, cameras etc.

## Hardware Description

### Front Panel

The front panel composed by PSE output ports with data link port, DC Input port, the relevant indicator, as shown below:



### LED indicator

LED	Color	Function
PWR	Green	Off: No Power supply. Light: Indicates the machine has power.
PoE	Green	Off: No PoE powered device (PD) connected or abnormal. Light: There is a PoE PD connected to be port, which Supply power successfully.
	orange	Off: No PoE powered device (PD) connected or abnormal. Light: There is a PoE PD connected to be port, which Supply power successfully.

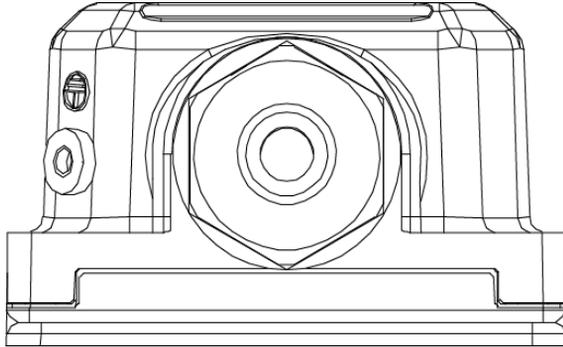
**Note:** There are two options for POE mode: BT and UPoE, different PoE modes are selected by the pin arrangement jumper on PCBA. Different modes result in different colors of LED lights.

## Grounding column

The machine already comes with lightning protection mechanism. You can also ground the machine through the PE (Protecting Earth) cable of DC cord or with Ground Cable.

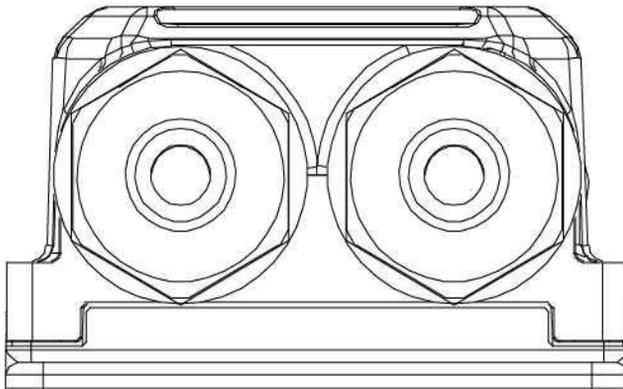
## Left Panel

Schematic diagram of left panel: input port (DC In) and grounding column, Standard network Cate5 cable (line diameter 5.5mm).



## Right Panel

Schematic diagram of right panel: the output port (PoE out, Data) requires the use of standard network cate5 cable (Line diameter 5.5mm).



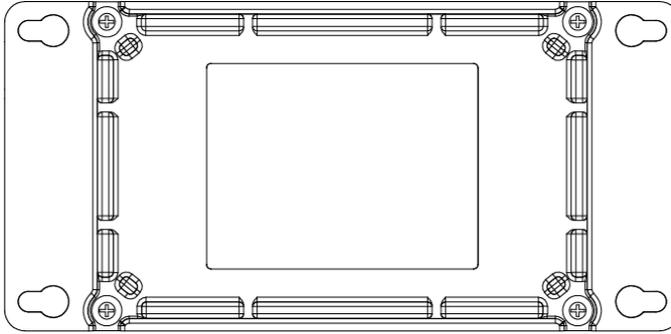
## Installation

This part describes how to install your machine and make connections to it. Please follow the following instructions in avoid of incorrect installation causing device damage and security threat.

- The nuts of the waterproof joint should be tightened in full fit with the joint's thread and fit to the hexagon plane, otherwise it is easy to get water and damage the machine;
- Do not place the machine on an unstable case or desk. The machine might be damaged severely in case of a fall;
- Make sure that the operating voltage is the same one labeled on the machine;
- Do not open the chassis while the machine is operating or when electrical hazards are present to avoid electrical shocks.

## Desktop Installation

Install the machine on a desktop, place the machine carefully on the counter, the bottom is as follows:

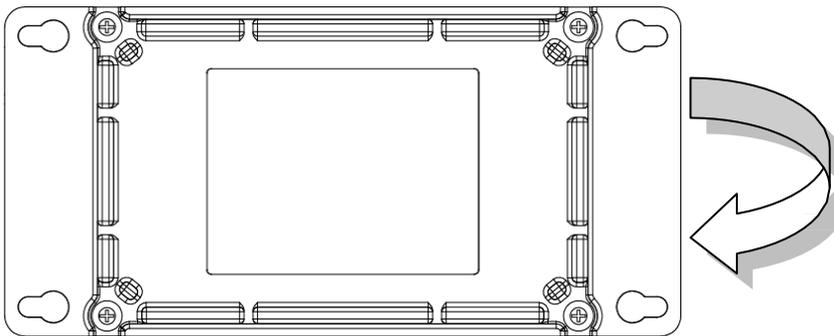


## Wall-mounted installation

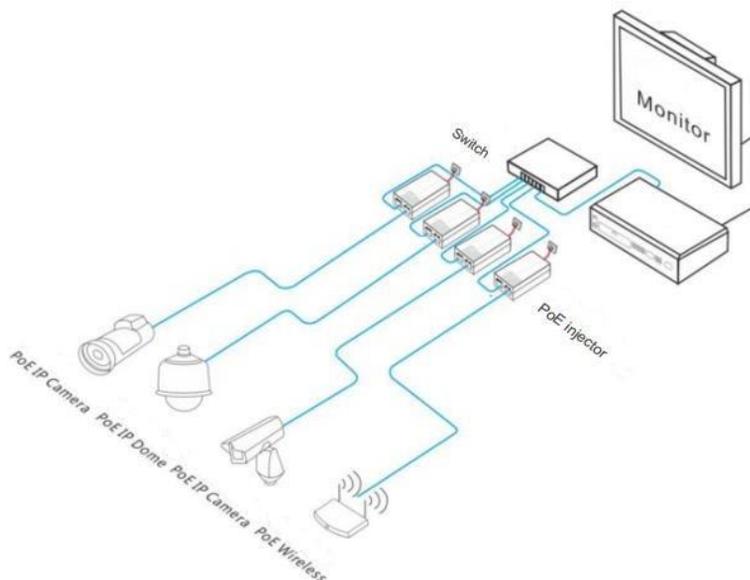
Please follow these steps to install the machine:

First fix the four screws on the wall (screw cap diameter recommended 5.5-6.5mm) and turn the machine upside down.

Align the four fixing holes of the machine as shown below and hang the machine smoothly on the screws.



## Application diagram of PoE injector :



## Power on

The machine can be used with AC power supply. Powering on the machine, it will automatically initialize and its LED indicators will respond as follows:

Firstly, the Power LED indicator will light up.

Then, the data LED indicators will flash momentarily for one second, which represents a resetting of the system.

## Specifications

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Model	60W waterproof PoE injector	
Port	out port : 2*10/100/1000Mbps RJ45 port ( PoE、 Data ) 1*DC In port	
Standard	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3af, IEEE802.3at, IEEE802.3bt	
Network Media(Cable)	10BASE-T: UTP category 3,4,5 cable (≤100m) 100BASE-TX: UTP category 5 cable (≤100m) 1000BASE-T: UTP category 5e cable (≤100m)	
Dimensions (L*W*H)	150*73*44MM	
Input Voltage	DC 24-57V	
PoE port output	48-55V DC Max.60W	
PSE Power on RJ-45	Data Pairs 1/2(-),3/6(+) Spare Pairs 4/5(+),7/8(-)	
Operating Temperature	-40°C~75°C	-20°C~60°C (Optional)
Storage Temperature	-40 °C ~ 80 °C	
Operating Humidity	10% ~ 90% non-condensing	
Storage Humidity	5% ~ 90% non-condensing	
waterproofing grade	IP67	
anti-hazard classification	IK10	



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