

DSLARKIT 24V 1A PoE Injector Product Manual (EU Compliance)

1. Product Overview

Product Name: DSLARKIT 24V 1A PoE Injector Power Over Ethernet Adapter

Product Model: DSL-POE-24V1A (Consistent with CE Certificate)

Brand: DSLARKIT

Product Description: This product is a passive PoE injector designed for EU markets, which can transmit data and 24V DC power simultaneously through a single Ethernet cable. It adopts a wall-mounted design, plug-and-play, with built-in multiple protection mechanisms, suitable for deploying network devices without power sockets. It meets the relevant compliance requirements of the European Union and is marked with the CE mark to ensure safe circulation in the EU market.

2. Compliance Information (EU Mandatory)

CE Mark Declaration: This product complies with the requirements of the European Union Low Voltage Directive (LVD) 2014/35/EU and Electromagnetic Compatibility Directive (EMC) 2014/30/EU, and is affixed with the CE mark, which is a mandatory certification mark for the product to circulate freely in the EU market[6].

Manufacturer Information:

Manufacturer Name: Shenzhen Dister Photography Equipment Co., Ltd.

Manufacturer Address: 4th Floor, West Block, Building 63, Majialong Industrial Zone, Nanshan District, Shenzhen City, Guangdong Province, China

EU Authorized Representative (Importer) Information:

Name: CET PRODUCT SERVICE LTD.

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DOC Compliance Statement: The Declaration of Conformity (DOC) for this product has been prepared in accordance with EU CE compliance requirements, detailing the product's

compliance with relevant directives and standards, and is available upon request from EU market supervision authorities[6].

Applicable Standards: Complies with EU harmonized standards EN 60950-1 (Safety of information technology equipment) and EN 55032 (Electromagnetic compatibility - Emission requirements).

3. Technical Specifications

- Input Voltage: AC 100–240V, 50/60Hz (Global universal voltage, meeting EU voltage standard requirements)
- Output Parameters: DC 24V 1A, Maximum Power: 24W
- PoE Pin Definition: Power transmission through idle wire pairs 4/5 (+) and 7/8 (–); Data transmission through wire pairs 1/2 and 3/6
- Network Port: 2 RJ45 ports (1 Data In port for data only, 1 PoE Out port for data + power); Supports 10/100/1000 Mbps (Gigabit) Ethernet, Auto MDI-X
- Protection Mechanisms: Built-in overvoltage, overcurrent, short circuit, and anti-static protection to ensure the safety of the product and connected devices
- Transmission Distance: Up to 100 meters when using Cat5e/Cat6 pure copper Ethernet cable
- Installation: Plug-and-play, wall-mounted design, with power LED indicator light (red light on indicates normal power supply)
- Certifications: CE, FCC, RoHS (Complies with EU RoHS directive 2011/65/EU, restricting the use of hazardous substances)

4. Safety Warnings (Mandatory for EU)

Warning! ⚠ Read this manual carefully before use to avoid personal injury or equipment damage due to improper operation[4].

- This product is a passive PoE injector without IEEE 802.3af/at/bt standard detection. It outputs 24V voltage immediately after power-on. **Do not connect it to devices that require 48V standard PoE (such as ordinary VoIP phones, standard PoE switches);** incorrect voltage connection will burn the device.
- Only use the product within the specified voltage and power range. Do not overload use to avoid overheating, fire or equipment failure.
- The product is for indoor use only. Do not use it in humid, rainy, high-temperature (exceeding 40°C) or flammable and explosive environments to prevent electric shock or short circuit.

- Do not disassemble, modify or repair the product by yourself. Non-professional disassembly will void the warranty and may cause electric shock hazards. If maintenance is needed, contact the after-sales service designated by the seller.
- Keep the product away from children and pets to prevent accidental contact with power ports or network ports, resulting in electric shock or suffocation risks (small parts).
- When using outdoors (if necessary), a surge protector must be installed to prevent lightning damage to the product and connected devices.
- Unplug the power plug when the product is not in use for a long time to avoid standby power consumption and potential safety hazards.

5. Installation and Operation Instructions

5.1 Installation Preparation

Check whether the product is intact (no damage to the shell, no loose ports), and prepare the required accessories: 1 x DSLRKIT 24V 1A PoE Injector, 1 x Power Adapter (matching the product), 2 x Ethernet Cables (Cat5e/Cat6 is recommended for long-distance use), 1 x Target 24V PoE Device (such as Ubiquiti UniFi AP, 24V IP Camera).

5.2 Step-by-Step Installation

1. Insert the power adapter of the PoE injector into a standard EU wall socket (AC 220V), and confirm that the power supply is stable.
2. Use an Ethernet cable to connect the router/switch to the **Data In** port of the PoE injector (this port only transmits data, not power).
3. Use another Ethernet cable to connect the **PoE Out** port of the injector to the target 24V PoE device (this port transmits both data and 24V power).
4. Observe the LED indicator on the PoE injector: if the red light is on, it indicates that the power supply is normal and the connection is successful; if the light is off, check the power plug, Ethernet cable connection and whether the device is compatible.

5.3 Usage Notes

When replacing the Ethernet cable, ensure that the cable is intact and of standard specification (Cat5e/Cat6), and avoid using inferior cables to prevent power loss or data transmission failure.

When moving the product or connected devices, unplug the power plug first to avoid electric shock or damage to the port.

6. Applicable Scenarios and Compatible Devices

6.1 Applicable Scenarios

It is widely used in network node deployment where there is no power socket, such as ceiling-mounted APs, outdoor wireless bridges, 24V IP camera monitoring systems, and industrial control network devices. It is suitable for homes, offices, shopping malls, factories and other indoor scenes in EU countries.

（注：文档部分内容可能由 AI 生成）