TP-LINK®

User Guide

TL-POE10R

PoE Splitter

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FCC STATEMENT

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 or more 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 complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1) This device may not cause harmful interference.

2) This device must accept any interference received, including interference that may cause undesired operation.

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

CE Mark Warning

$$C\epsilon$$

This is a class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

SAFETY NOTICES

➢ Do not use this product near water, for example, in a wet basement or near a swimming pool.

➢ Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.

CONTENTS

Package Contents

The following items should be found in your package.

➢ TL-POE10R PoE Splitter

➢ One Ethernet (CAT5 UTP) Cable

➢ One Power Cable

➢ This User Guide

☞ Note:

Make sure that the package contains the above items. If any of the listed items are damaged or missing, please contact with your distributor.

Chapter 1   Introduction

1.1   Overview of the Product

Thank you for choosing the **TL-POE10R PoE Splitter**. The PoE Splitter fully complies with IEEE 802.3af standard, and can work with all IEEE 802.3af PoE compliant PSE (Power Source Equipment) or PoE Injector, such as TP-LINK's TL-SF1008P or TL-POE150S, to deliver 12V, 9V or 5V Direct Current to the device which do not support PoE.

PoE (Power over Ethernet) technology allows the existing Ethernet infrastructure to transmit electrical power, along with data, to remote IP endpoints over the Ethernet cables, which can greatly save the cost of the external power cables. Your network can benefit from PoE technology for it will ensure the normal working status of your network while keep the existing Ethernet infrastructure secure.
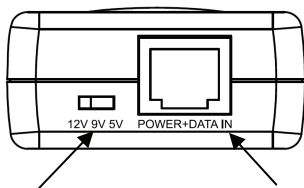
☞ Note

TL-POE10R is applicable to the device that has no external connections other than the Ethernet cables.

1.2 Features

➢ Complies with IEEE 802.3, IEEE 802.3u, IEEE 802.3af standards

➢ Data and Power carried over the same cable

➢ Supports optional 5V DC, 9V DC or 12V DC power supply

➢ Supports Plug-and-Play for the devices，without any configuration

➢ Elegant appearance with space-saving mini size

Chapter 2 Identifying External Components

Power-mode switch:
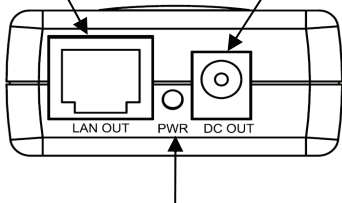You can choose the DC output of 12V, 9V or 5V by turning the switch to the left or right.

⚠ Please make sure that the output is correct, a different voltage may destroy the device.

POWER+DATA IN:
Connect to the PSE or PoE Injector with a CAT5 UTP cable.

LAN OUT: Connect to the Ethernet device with CAT5 UTP cable to transmit data.

DC OUT: Connect to the power port of the Ethernet device with the provided power cable to supply the power of 5V, 9V or 12V DC.

PWR: Power LED, a steady green light indicates that the PoE Injector can supply power.

Chapter 3 Connecting the PoE Splitter

You can use TL-POE10R PoE Splitter with PSE or PoE Injector to expand your network to where there are no power lines or outlets, where you wish to fix devices such as APs, IP Cameras or IP Phones, etc. The following steps will tell you how to connect the PoE Splitter correctly.

1. Use a CAT5 UTP cable to connect a PoE port of the PSE (ex. PoE Switch) to the POWER+DATA IN port.

2. Choose the appropriate DC output by the Power-mode switch.

)**Note:**

Please make sure that the output is correct, a different voltage may destroy the device.
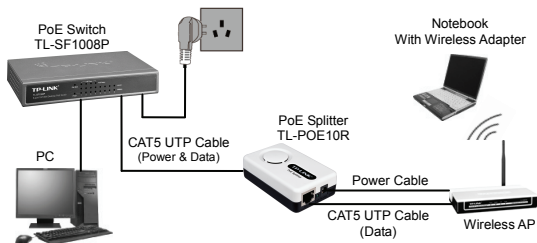
3. Connect the **LAN OUT** port to the Ethernet device with CAT5 UTP cable for data transmitting.

4. Connect the **DC OUT** port to the power port of the same Ethernet device with the provided power cable.

☞**Note:**

The power of Ethernet device is suggested to be under 10W.

Now, the Ethernet device can work normally with data and power.

The topology of this network is as follows.

Appendix: Specifications

Normal	
Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3af
Voltage Output	DC 5V, 9V or 12V
Power Output	10W(5V) 9W(9V) 12W(12V)
Ports	Two 10/100Mbps RJ45 ports One DC Power port
Cabling Type	RJ45 CAT 5 UTP cable
LED	PWR
Safety & Emissions	FCC, CE

Environmental and Physical	
Operating Temp	0℃~40℃ (32℉~104℉)
Storage Temp	-40℃~70℃ (-40℉~158℉)
Operating Humidity	10%~90% RH, Non-condensing
Storage Humidity	5%~90% RH, Non-condensing