speco technologies

AP2PMD Manual

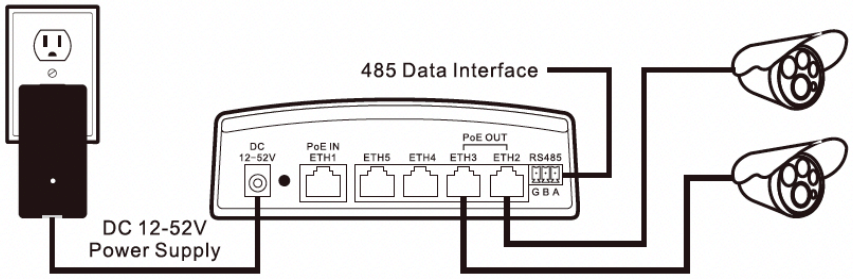
Scan for manual and Software downloads

Point to Point Mid Range 5.8 GHz Wireless Access With 5 Ports and 2 POE OUT

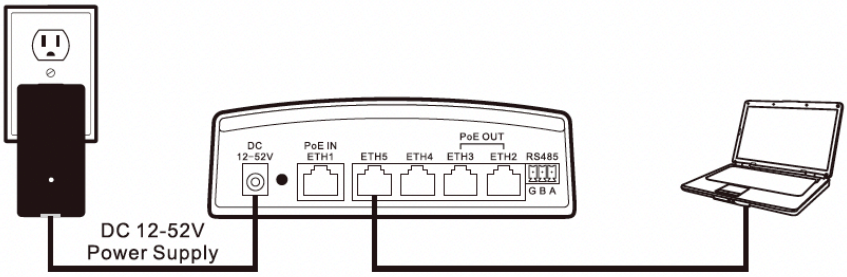
Manual | Model AP2PMD

Connecting Diagram

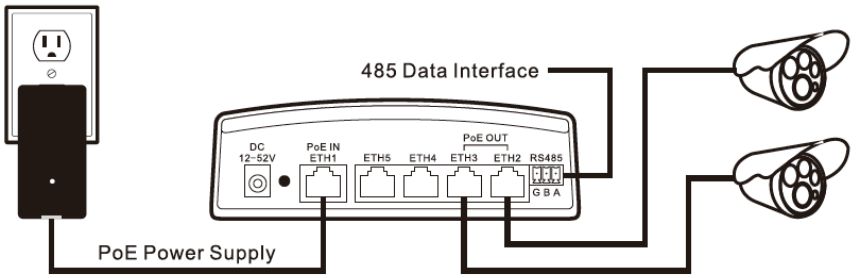
- DC Port Connect to Wireless Bridge
- ETH 2-5 Port Connect to Camera
- RS-485 Port Controller/Sensor



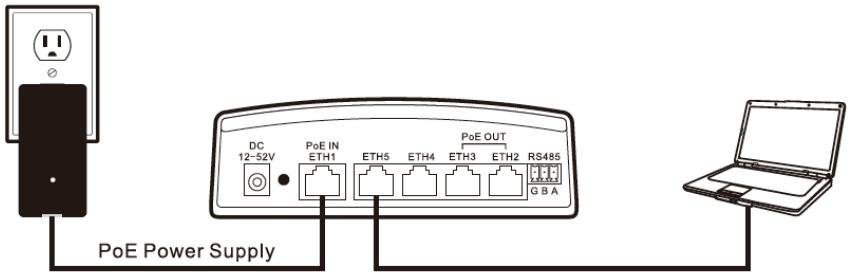
- DC Port Connect to Wireless Bridge
- ETH 2-5 Port Connect to NVR (Switch/Computer/Internet)



- ETH 1Port Connect to PoEPower Supply
- ETH 2-5 Port Connect to Camera
- RS-485 Port Connect to Controller/ Sensor

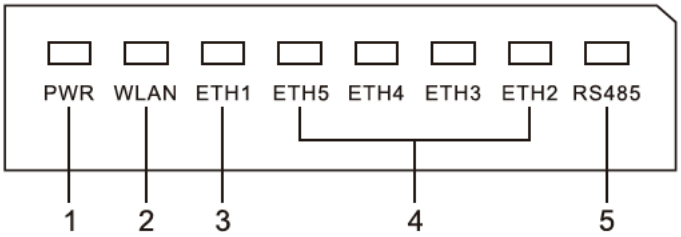


- ETH 1 Port Connect to PoE Power Supply
- ETH 2-5 Port Connect to NVR (Switch/Computer/Internet)



Note: It needs to be bound the IP address manually on your PC if you need to enter the WEB page of the wireless bridge.

Indicator & Interfaces Diagram



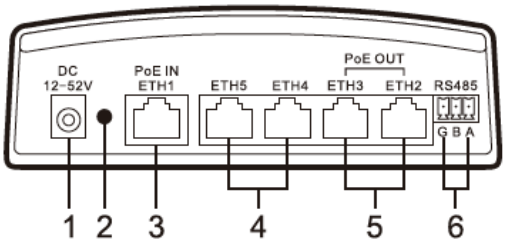
• Power Indicator: The PWR is on, means to the power is on normally.

• Wireless Indicator: The WLAN is on, means that the wireless signal is transmitted normally.

• Uplink Indicator: The LAN is on, means that the device is connected normally. Flashing indicates that data is being transmitted.

• Ethernet Port Indicator: The LAN is on, means that the device is connected normally. Flashing indicates that data is being transmitted.

• RS-485 Indicator: The RS-485 is on, means that the device is connected normally. Flashing indicates that platform is connecting normally and the data is being transmitting.



1. DC 12-52V

2. RST button (Need to long press for 1 Os)

3. Uplink port PoE input (Support IEEE802.3af/at standard PoE input)

4. LAN4, LAN5 Network Ports

5. LAN2, LAN3 ports support PoE 48V output (Support IEEE802.3af/at standard PoE output)

6. RS-485 Port

Note:

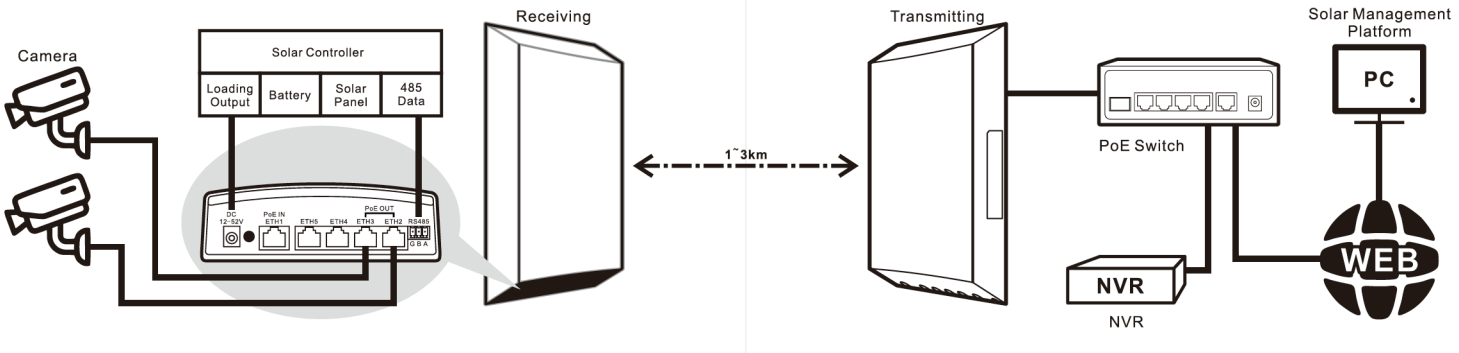
• Factory default DC 48V 0.5A power supply. If you subtract the power consumption of the wireless bridge, there is still 12W of power left to be output to the receiving device.

• It supports IEE802.3at standard at maximum. If you replace the high-power power supply, the ETH2-3 port POE output power will be increased.

• If you use DC 12V-24V to power the device, the LAN port only supports data transmission but does not support POE power output.

• RS485 interface and controller need to be wired with the corresponding GBA, G with G, B with B, A with A one by one. (Some devices can be disconnected without ground wire G)

Detail Diagram of Devices Wiring



The WEB Management Page of the Device

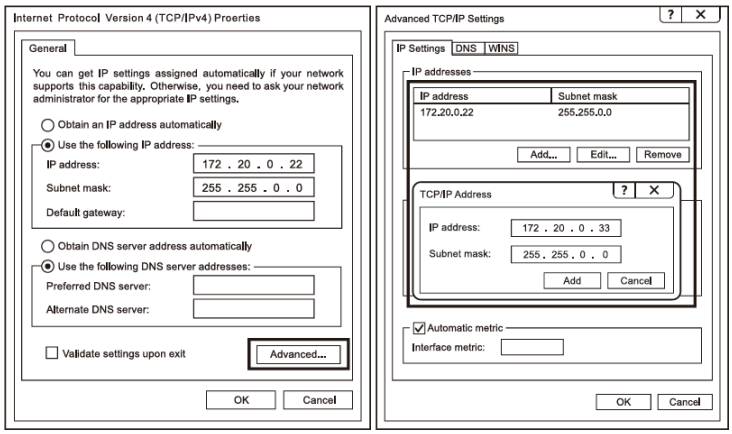
This product is paired with point-to-point mode by factory default. However, if you need to set the point-to-multipoint mode and modify the wireless configuration, please do as follows.

Login

1. Login to the Wireless Bridge WEB Management Page

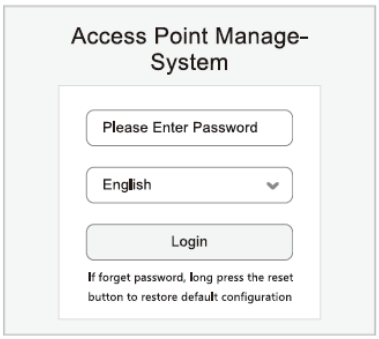
IP Address Setting

Setting multiple IP addresses for a local computer connection based on the CPE's default IP address:172.20.X.X Subnet Mask:255.255.0.0



2. Login in WEB of the Wireless Bridge: It is recommended to use Google or Edge browsers to enter the default IP address of the wireless bridge to access the page.

- The IP address of transmitter side: 172.20.0.1
- The IP address of receiver side: 172.20.0.2
- The default password is admin



Wireless Configuration/ 5G Device Wireless Settings

1. Login to the Wireless Bridge WEB Management Page

2. Default One-to-One Mode: Factory Default pairing completed.

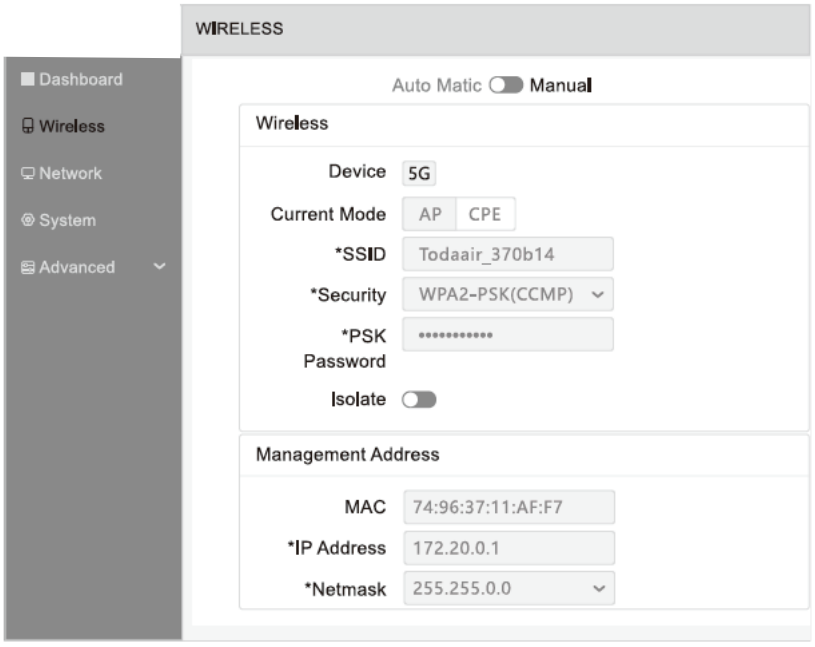
3. Setup Mode: Turn on the setup mode when use point to multipoint pairing and physical setting the wireless name of the AP. Setting the CPE and searching the name of the AP physically. The CPE receiver management IP address cannot be duplicated with the AP.

4. Operating Mode: AP and CPE, AP is sending transmitter, CPE is receiver.

5. Wireless Name: Set the wireless name.

6. Encryption Method: Set the encryption method.

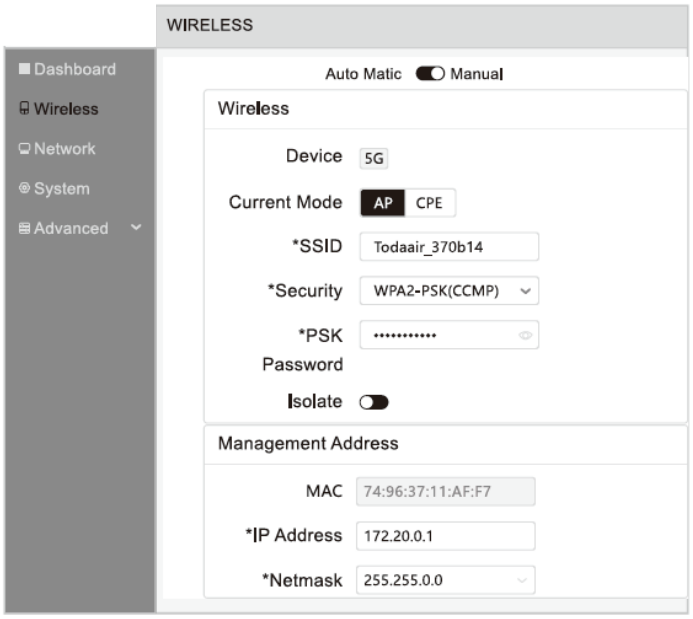
7. Wireless Password: Set the wireless password.

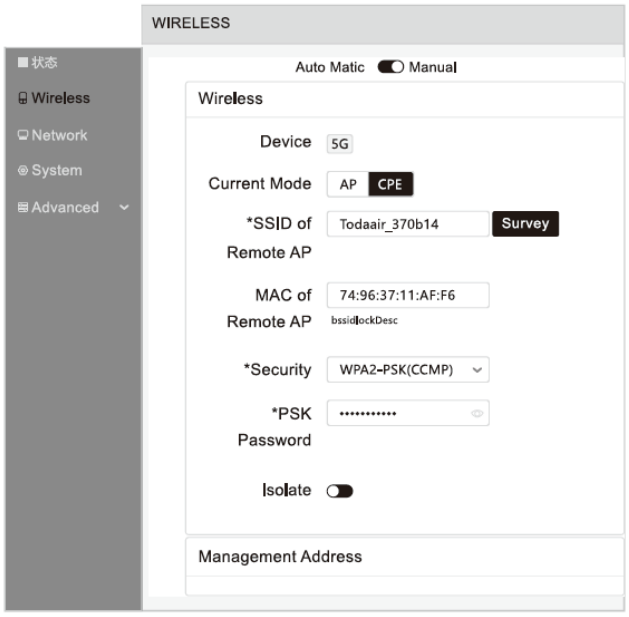


8. Terminal Isolation: On/Off the terminal isolation.

9. Application: Click to applicate the configuration of the current page.

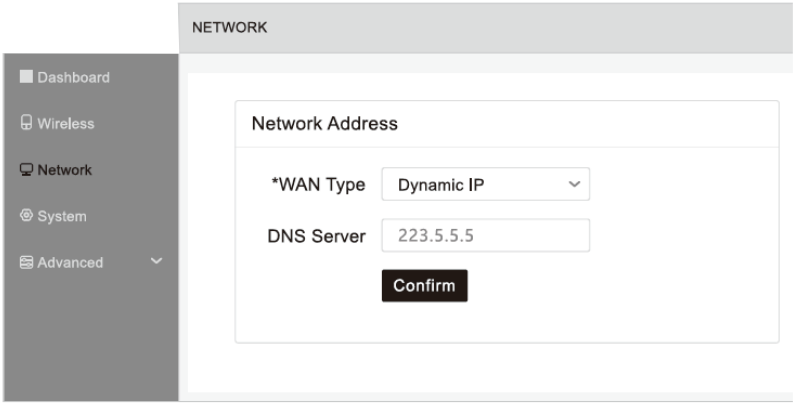
10. It could be changed the IP address of Wireless Bridge, but each IP address can not be duplicated.



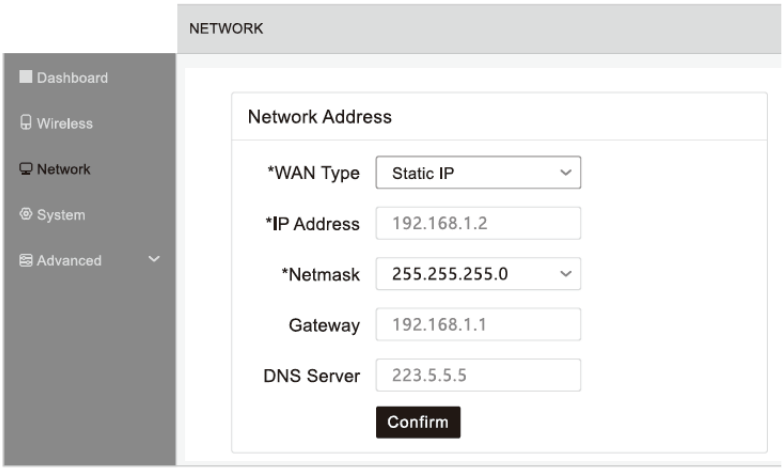


Network Configuration/ Setting Internet Access Mode

1. Dynamic IP: Automatically assign IP addresses.

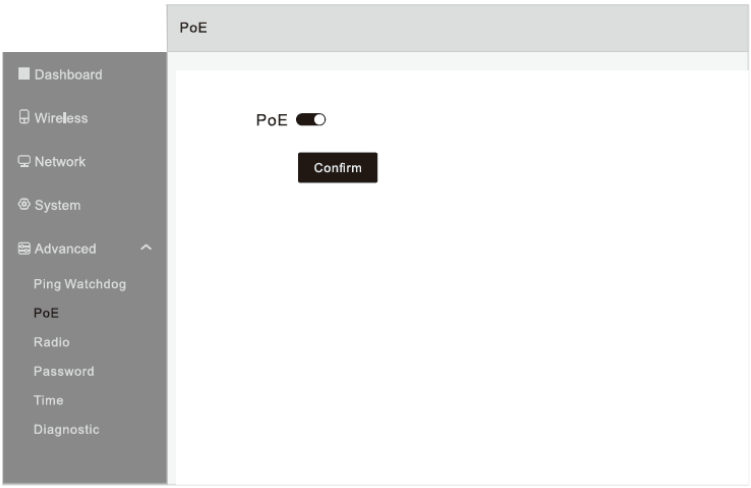


2. Static IP: Set the IP address, network mask, default gateway, and DNS server.



PoE Configuration

You can set “On/Off” the POE output power supply of the wireless bridge through the WEB page, and support IEEE802.3af/at standard POE output.



IOT Integrated Platform

1. Enter the address 111.61.36.187:3000/tuoda-web on your browser. Login the platform through account. Account: test@sp Password: t@123456

2. If you want to use the IOT platform, first the wireless bridge should be connected to the Internet. The IOT integrated platform can be checked the online status of RS485 devices.