Todaair

Wireless Bridge + PoE Switch
User Manual

SCAN APP QR CODE
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Todaair

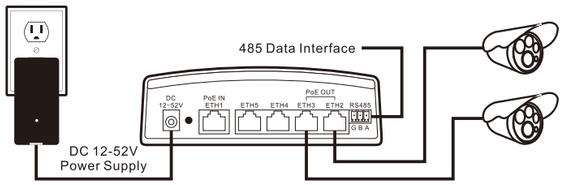
Qualifications

Jiangmen Todaair
Electronics Co., Ltd
Inspection Approved

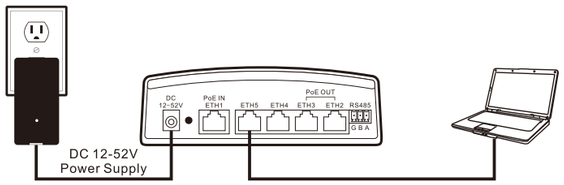
Supporting product information

Please scan the QR code to obtain the electronic manual for detailed instructions.

Connection Diagram of DC Power to CPE

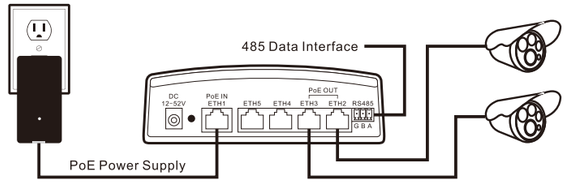


DC Port ⟶ Connect to Wireless Bridge
ETH 2-5 Port ⟶ Connect to Camera
RS-485 Port ⟶ Controller/Sensor

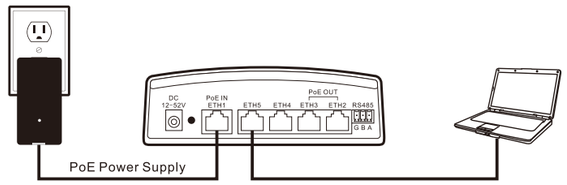


DC Port ⟶ Connect to Wireless Bridge
ETH 2-5 Port ⟶ Connect to NVR (Switch/Computer/Internet)

Connection Diagram of PoE Power to CPE



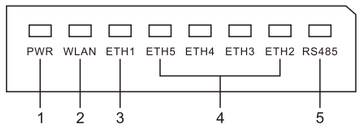
ETH 1Port ⟶ PoE Power Supply
ETH 2-5 Port ⟶ Connect to Camera
RS-485 Port ⟶ Controller/Sensor



ETH 1Port ⟶ 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



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

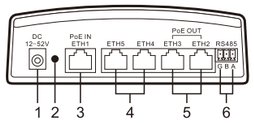
2.Wireless Indicator:
The WLAN is on, means that the wireless signal is transmitted normally.

3.Uplink indicator:
The LAN is on, means that the device is connected normally. Flashing indicates that datais being transmitted.

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

5.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.

Interfaces Diagram

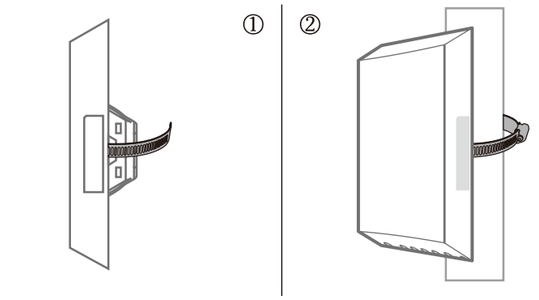


1.DC 12-52V
2.RST button(Need to long press for 10s)
3.Uplink port PoE input
(SupportIEEE802.3af/at standard PoE input)
4.LAN4, LAN5 Network Ports
5.LAN2, LAN3 ports support PoE 48V output
(SupportIEEE802.3af/at standard PoE output)
6.RS-485 Port

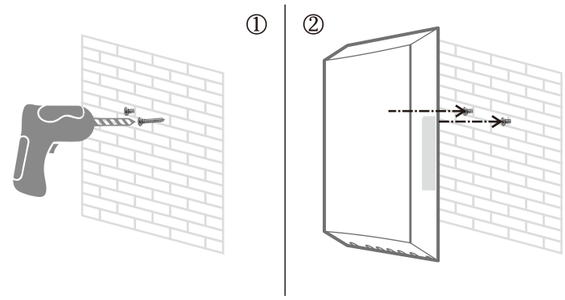
Notes:
1 .Factory default DC 48V 0.5A power supply. If you subtract the power consumption of the bridge, there is still 12W of power left to be output to the receiving device.
2.It supports IEE802.3at standard at maximum. If you replace the high-power power supply, the ETH2-3 port POE output power will be increased.
3.If you use DC 12V-24V to power the device, the LAN port only supports data transmission but not support POE power output.
4.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)

Product Installation

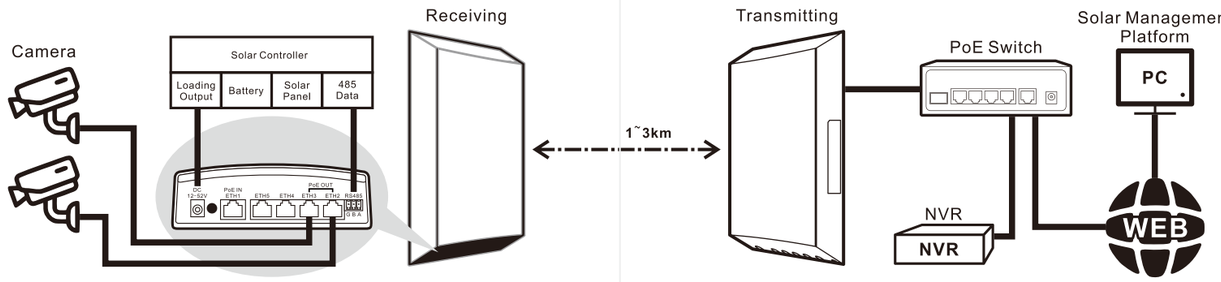
Pole Mount



Wall Mount



Detail Diagram of Devices Wiring



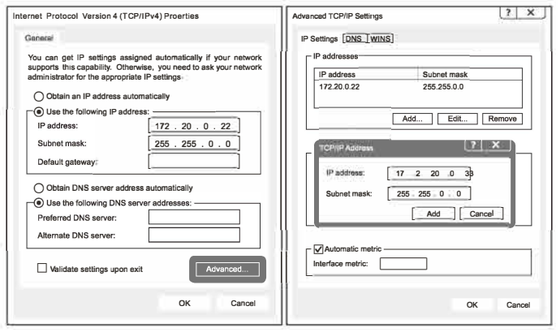
This product default factory is AP (Transmitter) non-pairing status. For pairing please follow the steps below.

(1)Login

Login to the Wireless Bridge WEB Management Page

1.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. WEB Platform Login for Wireless Bridge:

Login to the Wireless Bridge WEB Management Page. Fill in the IP address to enter its WEB page through the browser. (Support Edge or Google)

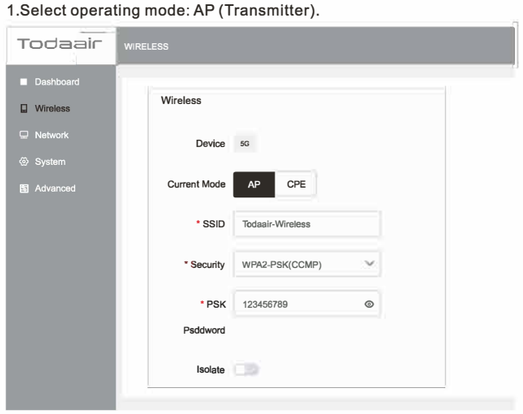
Default IP address: 172.20.0.1

Password: admin

(2)Wireless Configuration

AP (Transmitter) Setup:

1.Select operating mode: AP (Transmitter).



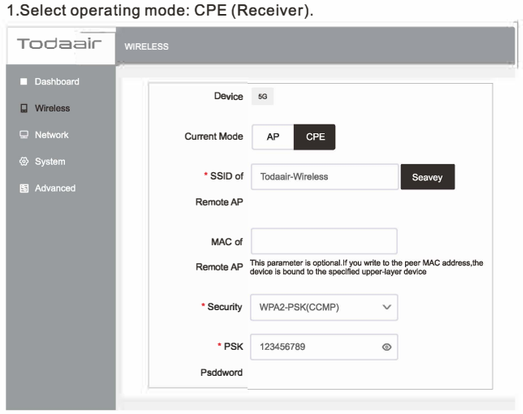
2.Fill in the wireless name/password.
(Default wireless name: Todaair-Wireless, Password:123456789.If there is a need to pair multiple wireless bridges, you need modify the wireless name to di- erentiate between wireless bridge groups)

3.The IP address of AP (Transmitter) is 172.20.0.1(You can modify by yourself)

4.Click “Confirm" to save the setting.

CPE (Receiver) Setup:

1.Select operating mode: CPE (Receiver).

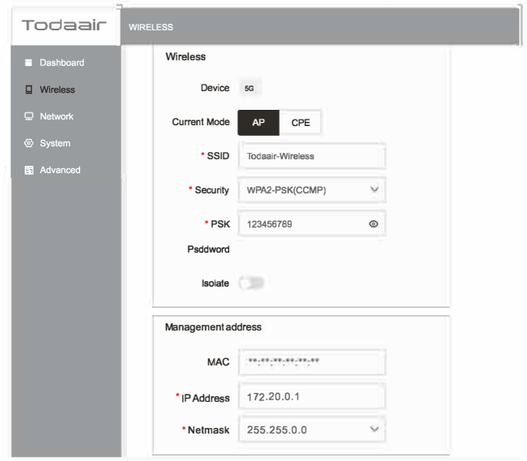


2.You can scan the wireless name from AP, then select and fill in the password. for pairing. You can also fill in the wireless name/wireless password manually.(Default wireless name: Todaair-Wireless, Password: 123456789. When thewireless name and wireless password are the same as those of the AP, thepairingis successful)

3.The IP address ofCPE (Receiver)is 172.20.0.2.(You can modify by yourself. However, when the wireless bridge uses point-to-multipoint pairing mode: you need to set the IP address of one AP and multiple CPEs. And each CPE management address cannot be duplicated with AP and other CPEs.
For example:CPE1 managementIP:172.20.0.2
CPE2 managementIP:172.20.0.3)

4.Click“Confirm" to save the setting.

Wireless Configuration of the 5.8GHz Wireless Bridge



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

2.Wireless Name: Set the wireless name.

3.Encryption Method: Set the encryption method

4.Wireless Password: Set the wireless password

5.Terminal Isolation: On/O- t he terminal isolation.

6.Application: Click to save the configuration of the current page.

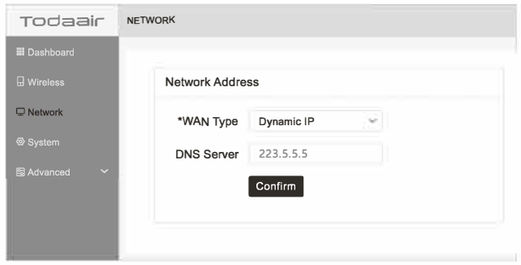
7.It could be changed the IP address of Wireless Bridge.

(3)Network Configuration

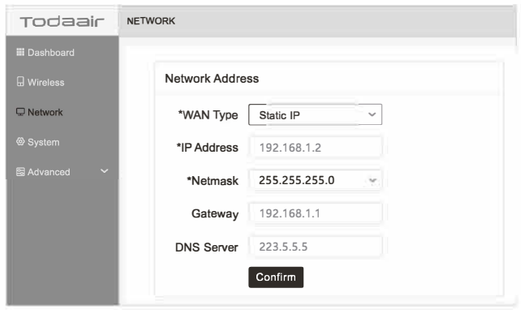
Network Configuration

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.

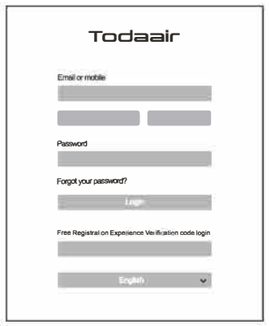


(4)PoE Configuration

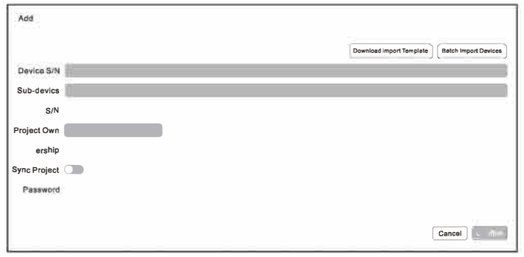
You can set "On/Off" the POE output power supply of the wireless bridge through the WEB page, and support IEEE802.3af/at standard POE output.

(5)IoT Integrated Platform

1. Enter the link with http://cloud.todaair.com/tuoda-web/device/list via the browser. It could be used phone number and e-mail to register and login the IoT integrated platform.It could be used phone number and e-mail to register and login the IoT integrated platform.



2. Click “Device List” from the left navigation bar to add the device, then fill in the SN code of wireless bridge and solar device and add them into the platform.



3. The wireless bridge must connect the Internet first before checking the running status of devices from IoT integrated platform.

FCC statement

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device 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 device 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 device does cause harmful interference to radio or television reception, which can be determined by turning the device 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 device and receiver.

Connect the device 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.

FCC Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This device should be installed and operated with minimum distance 20cm between the radiator and you body.