

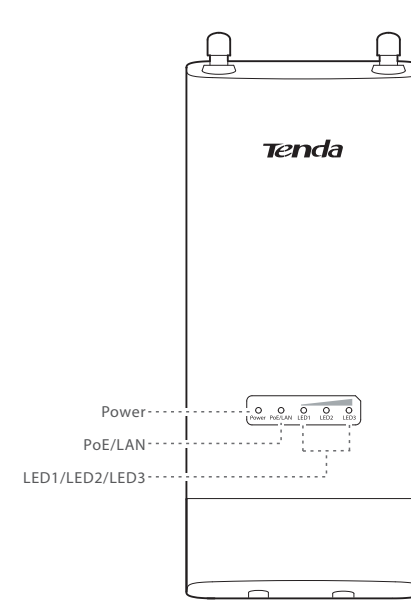
Quick Installation Guide

5GHz 11n 300Mbps BaseStation B6

LED Indicators

Table with columns: LED Indicators, Status, Description. Rows include Power (Solid on, OFF), PoE/LAN (Solid on, Blinking, OFF), LED1, LED2, LED3 (Blinking, Solid on), and LED1, LED2, LED3 (Received signal strength LED indicators) (Blinking, OFF).

- Package Contents: BaseStation x1, PoE adapter x1, Power cord x1, Metal strap x1, Grounding screw x1, Quick installation guide x1.



Ports & Button

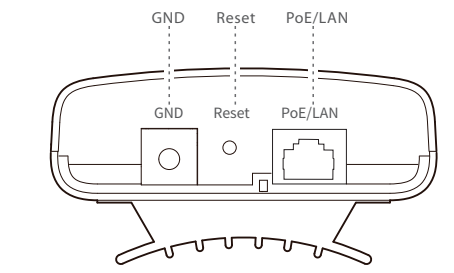
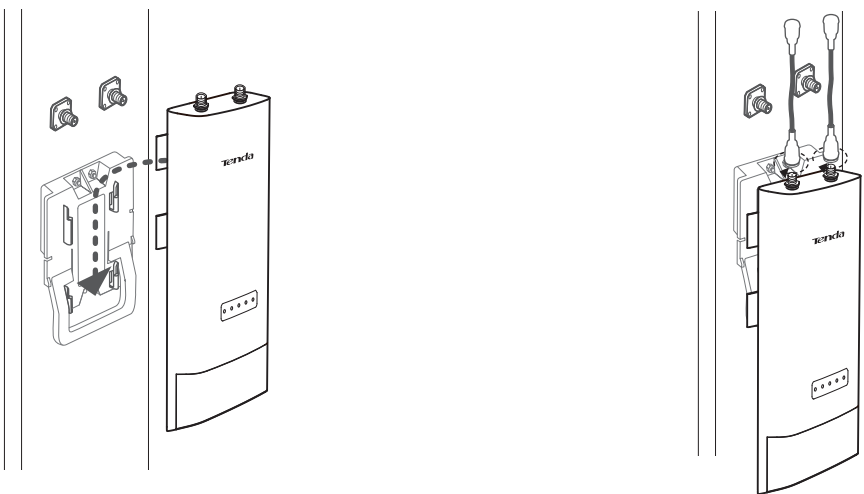


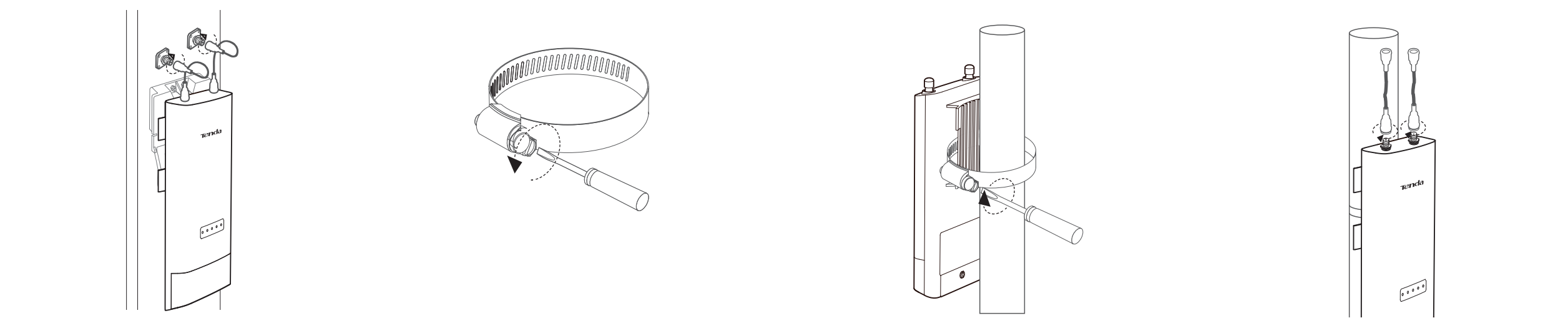
Table with columns: Part/Button, Description. Rows include GND, Reset, and PoE/LAN.

- Installation notes: The Base Station can work with the dish, sector or other antenna (purchased separately). Bracket mounting: 1. Press the handle on the mount bracket... 2. Remove the plastic screw caps... 3. Connect one side of two RF coaxial cables...



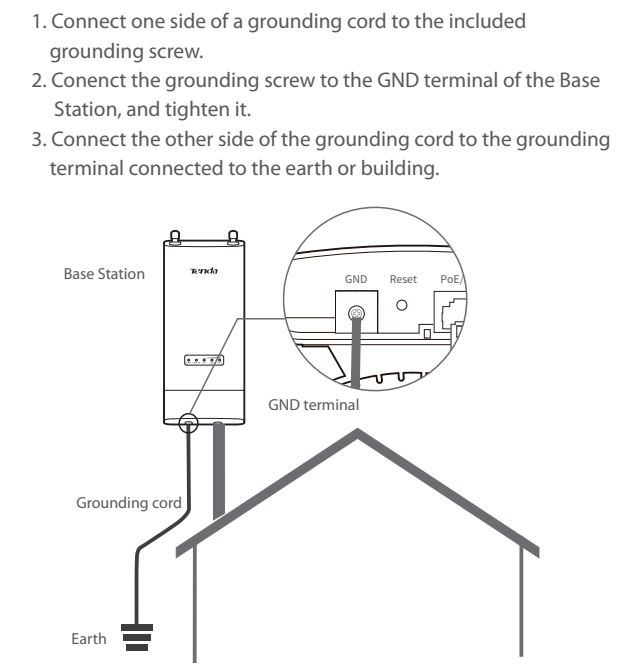
Pole mounting

- 4. Connect the other side of the RF coaxial cables to the connectors of the antenna. 1. Use a screwdriver to open the metal strap by turning the screw counter-clockwise. 2. Straighten out the end of the metal strap, and thread it through the back of the Base Station...



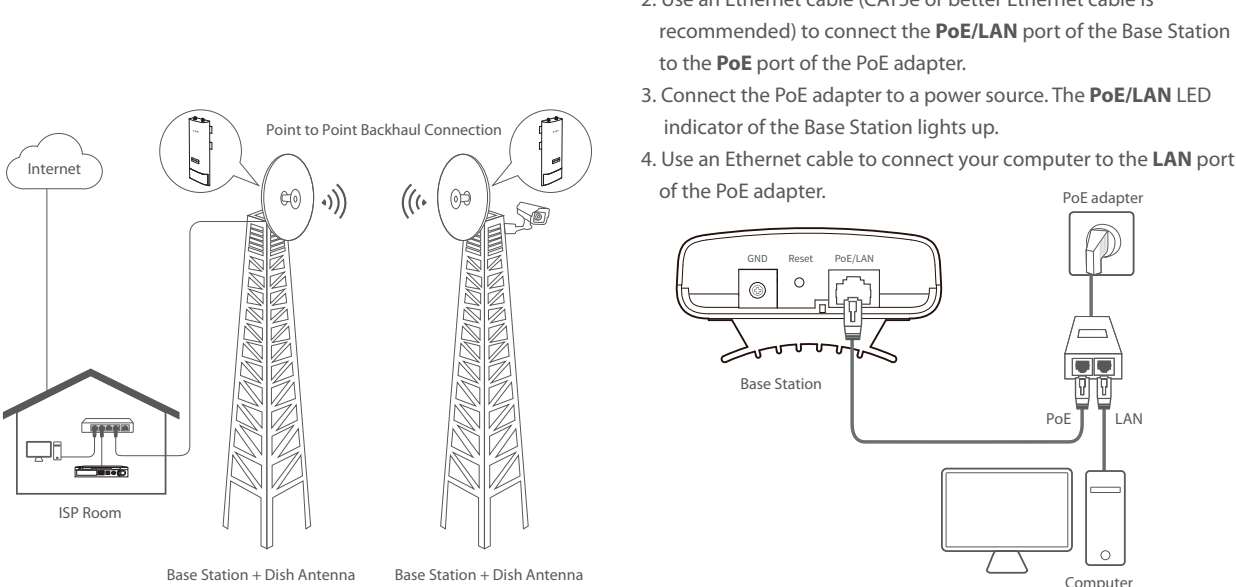
Lightning and ESD protection

Connect the GND terminal of the Base Station to a grounding terminal connected to the earth or building to protect the Base Station from overvoltage and overcurrent caused by lightning and ESD.

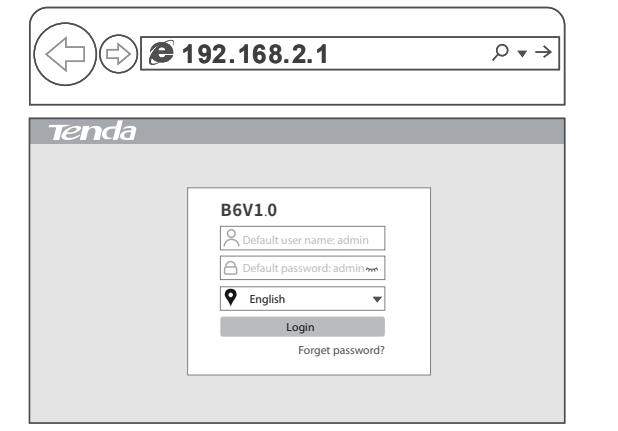


Scenario 1: PtP backhaul connection with dish antennas

One Base Station in AP mode and another one in Client (Station) mode create a long distance wireless connection for point to point connection.

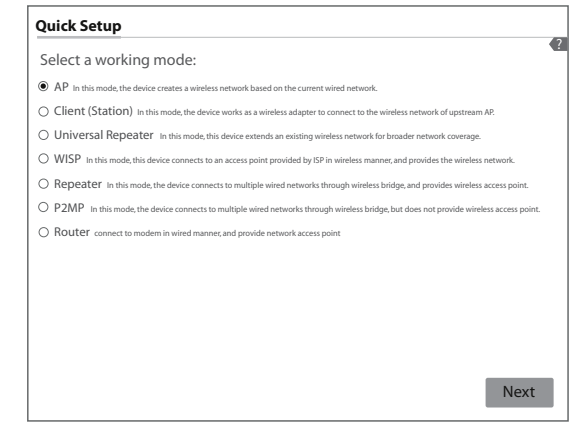


- Step 1: Place two Base Stations next to each other. Step 2: Connect a computer to a Base Station. 1. Remove the cover of the Base Station. 2. Use an Ethernet cable (CAT5e or better Ethernet cable is recommended) to connect the PoE/LAN port of the Base Station to the PoE port of the PoE adapter. 3. Connect the PoE adapter to a power source... 4. Use an Ethernet cable to connect your computer to the LAN port of the PoE adapter.

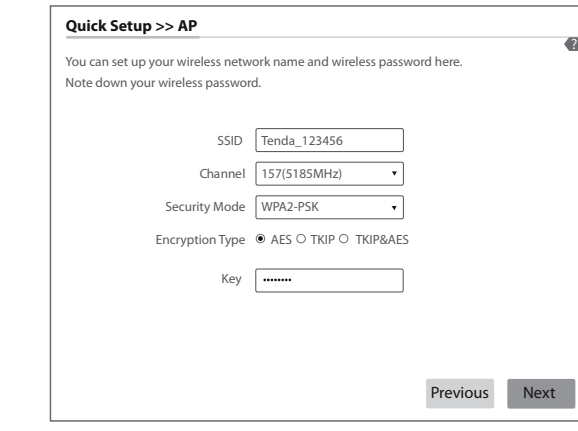


Tip: If the login page does not appear, please refer to Q1 in FAQ.

- Step 3: Set the Base Station to AP mode. 1. Start a web browser on the computer, and visit 192.168.2.1. Enter your user name and password, and click Login. 2. Select AP, and click Next.

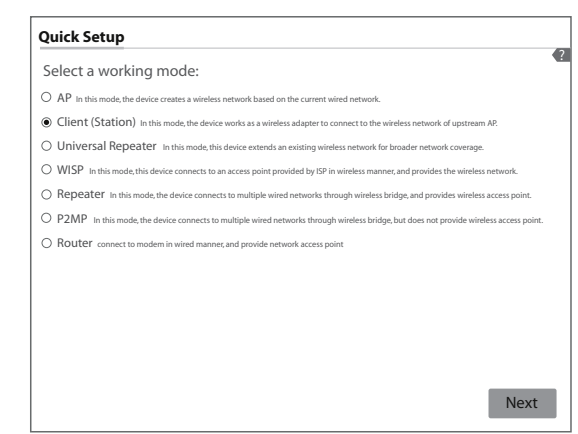


- Step 4: Set the other Base Station to Client (Station) mode. 1. Perform Step 2 Connect a computer to the Base Station to connect the computer to the other Base Station. 2. Start a web browser on the computer, and visit 192.168.2.1. Enter the login user name and password, and click Login.

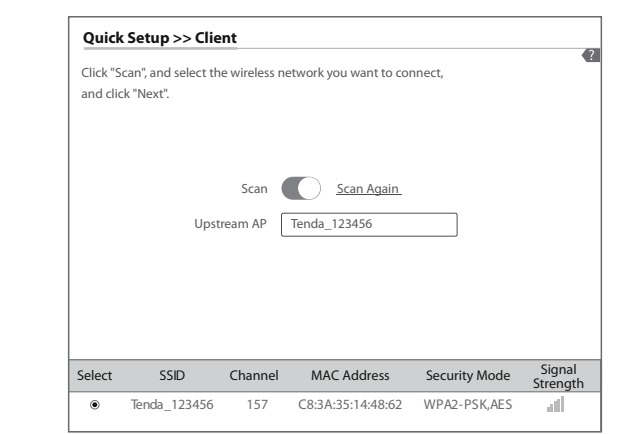


4. Click Save, and wait until the Bastion Station reboots automatically to activate the settings.

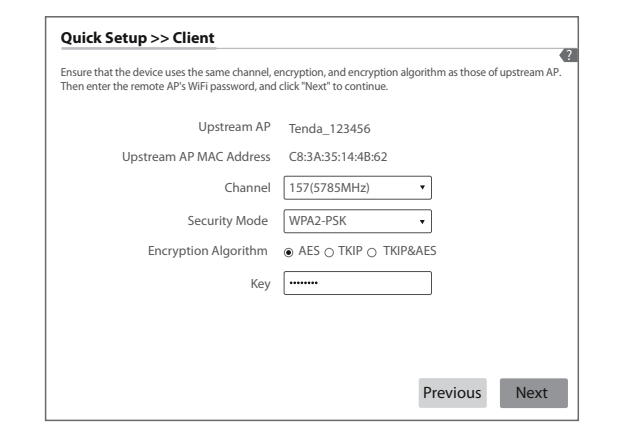
- 3. Select Client (Station), and click Next.



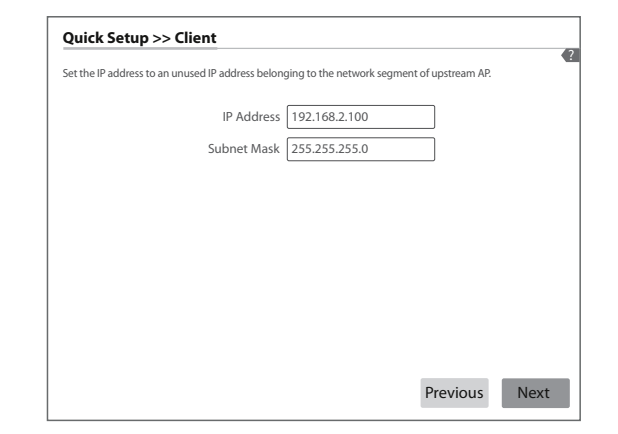
- 4. Select the SSID you set on the first Base Station, which is Tenda\_123456 in this example, and click Next.



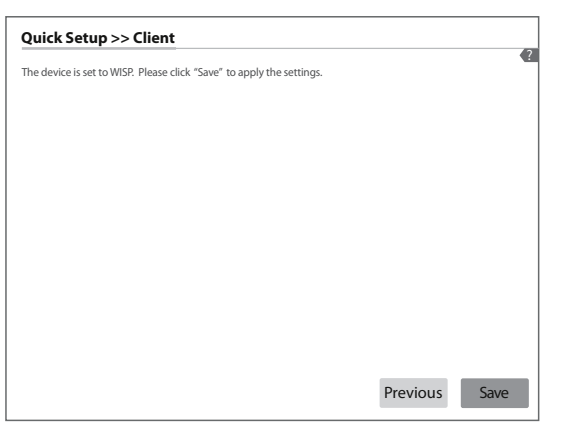
- 5. Enter the WiFi password you set on the first Base Station in the Key text box, and click Next.



- 6. Set the IP address to an unused IP address belonging to the same network segment as that of the first Base Station. For example, if the IP address of the first Base Station is 192.168.2.1, you can set the IP address of this Base Station to 192.168.2.X (X ranges from 2 to 254). Then click Next.



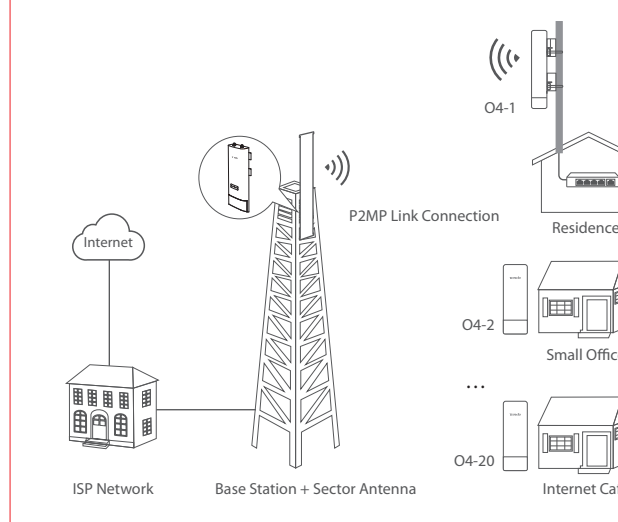
- 7. Click Save, and wait until the Base Stations reboot to activate the settings.



When LED1, LED2, and LED3 of the Base Station in AP mode are solid on, and LED1, LED2, and LED3 of the Base Station in Client (Station) mode are blinking, the bridging succeeds. The DHCP servers of the two Base Stations are disabled automatically.

Scenario 1: P2MP connection with sector antennas

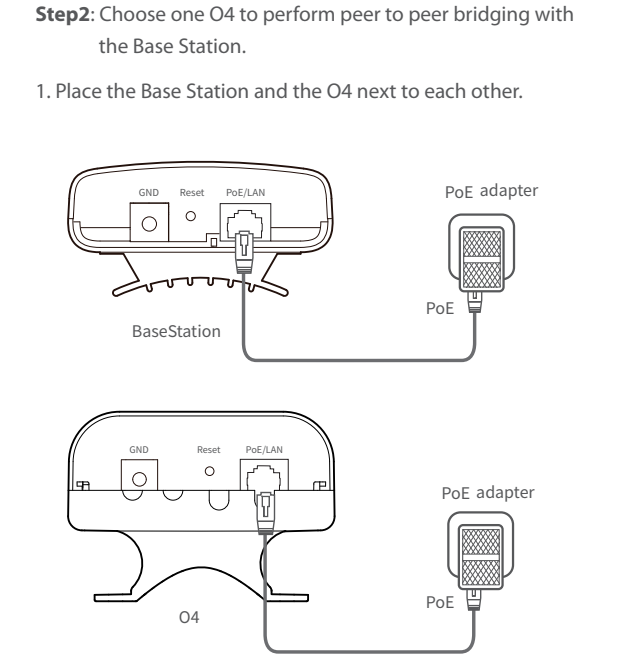
The Base Station in AP mode can provide WiFi network, allowing home users or small office users to connect to the WiFi network with outdoor long range CPEs. The Base Station can work with Tenda O2 or O4. O4 is used for illustration here.



Option 1: Automatic bridging (recommend)

- Tips: Automatic bridging is only applicable when the Base Station and CPE are in factory settings. Ensure that only the Base Station and one CPE are powered on when performing peer-to-peer bridging. Otherwise, the peer-to-peer bridging may fail. When the Base Station and CPE are powered on using Ethernet cables, CAT5e or better Ethernet cable is recommended, and the length should not exceed 60 meters. For peer-to-multiple peers bridging, perform peer-to-peer bridging first, and then power on the rest CPEs within 3 minutes. Otherwise, the bridging may fail. A Base Station can bridge to 20 CPEs at most.

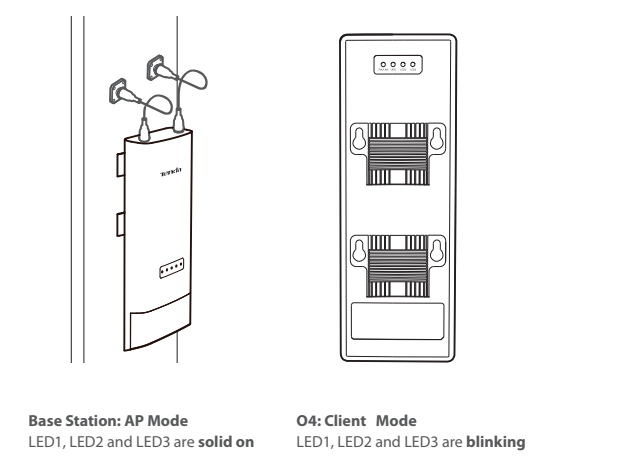
- Step 1: Prepare a Base Station and 20 CPEs (O4), and put all O4 near the Base Station. Step 2: Choose one O4 to perform peer to peer bridging with the Base Station.



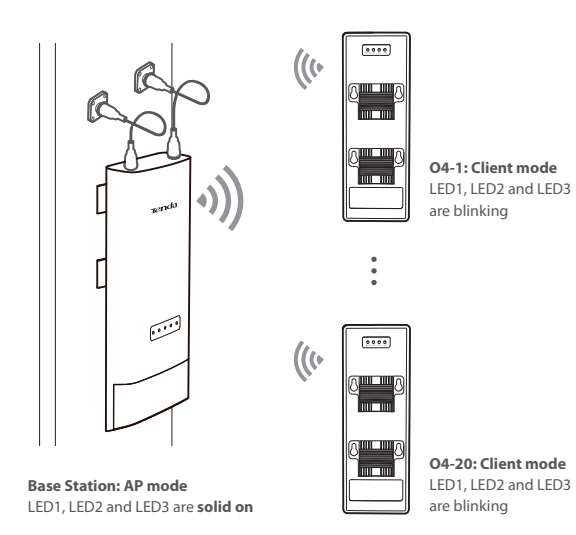
- 2. Remove the covers of the Base Station and O4, and use Ethernet cables (CAT5e or better Ethernet cable is recommended) to connect their PoE/LAN ports to the PoE ports of the included PoE adapters respectively. 3. Use the power cords to connect the PoE adapters to power sources. When PoE/LAN LED indicators of the Base Station and O4 light up, they completes startup.



Within 1 minute, the Base station and O4 will perform automatic bridging. When the bridging succeeds, the DHCP servers of the Base Station and O4 are disabled. O4 works in Client mode and its IP address is changed to 192.168.2.2.



After the bridging succeeds, all O4 work in Client mode, and their IP addresses are changed to 192.168.2.2.

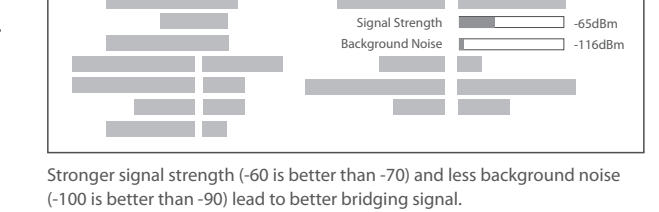


FAQ

- Q1: I cannot log in to the web UI of the Base Station by entering 192.168.2.1. What should I do? A1: Try the following methods: 1. Ensure that the Base Station has been connected to the power supply and the computer properly. 2. Ensure that the IP address of the login computer is 192.168.2.X (X ranges from 2 to 254, which is not used by other devices). 3. Restore the Base Station to factory settings.

- Q2: How to reset the Base Station to factory settings? A2: Note: Resetting the Base Station clears all settings, and you need to configure it again. Method One: 1 minute after the Power LED indicator lights up, remove the cover of the Base Station, and hold down the Reset button for about 8 seconds. When all LED indicators light up once, the Base Station is restored to factory settings. Method Two: Log in to the web UI of the Base Station, choose Tools > Maintenance, and click the Reset button.

- Q3: How to determine whether the bridging signal strength is optimal when the Base Station is used for bridging? A3: Option One: Observe the signal strength LED indicators of the Base Station. The bridging signal is optimum when all of the LED1, LED2 and LED3 indicators are solid on or blinking. Option Two: Log in to the web UI of the Base Station, choose Status, and check the Wireless Status on the following page.



- Q4: The automatic bridging fails. What should I do? A4: Try the following solutions: 1. If the peer-to-peer bridging fails, reset the Base Station and O4 to factory settings, and try again. 2. If the peer-to-multiple bridging fails, ensure that the new added O4 is powered on within 3 minutes after the peer-to-peer bridging succeeds. If the problem persists, reset the Base Station and all O4, and try again.

- Q5: When the bridging succeeds, the LED1, LED2, and LED3 indicators do not light up or only one or two of them light up. What should I do? A5: Try the following solutions: 1. Place the Base Station and O4 in an elevated location with few obstacles nearby. 2. Adjust the Base Station in horizontal and vertical directions slowly. Wait for 20 to 30 seconds after you choose a direction. Observe the LED1, LED2 and LED3 indicators of the Base Station when you are adjusting the CPE until all of LED1, LED2 and LED3 indicators lights up.

FCC Statement: This equipment has been tested and found to comply with the limits for a Class A digital device... Radiation Exposure Statement: This device complies with FCC radiation exposure limits set forth for an uncontrolled environment... Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Technical Support: Shenzhen Tenda Technology Co., Ltd. 6-8 Floor, Tower E3, NO.1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China. S10052. USA hotline: 1-800-570-5892. Toll Free: Daily 9am-6pm PST. Canada hotline: 1-888-998-8966. Hong Kong hotline: 00852-81931998. Global hotline: +86 755-2765 7180 (China Time Zone). Website: http://www.tendacn.com. E-mail: support@tenda.com.cn

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