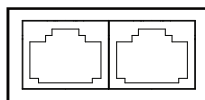


Outdoor Wireless Bridge CPE

Quick Installation Guide



PoE Power Supply

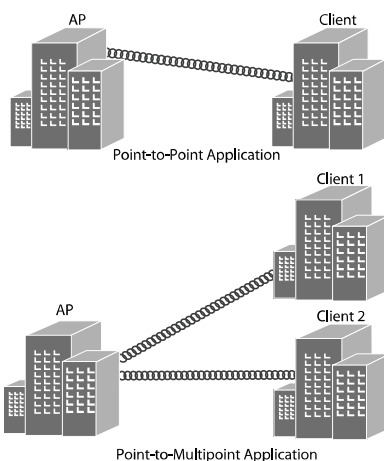


POE LAN

PoE Port: Transfer the power and data at same time
LAN Port: Transfer data only through Ethernet cable

Typical Network

AP is used for remote point-to-point and point-to-multipoint applications. It makes remote Internet share possible.



Note The typical connection for access point is shown as above. Please make sure that the two CPEs are placed **face to face**, otherwise, the wireless signal strength might be weak. The figures shown below are a few examples, and only the first one is **correct**.

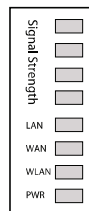


Introduction

Thank you for purchasing the Wireless CPE. This manual suit for quick installation of outdoor 11N wireless CPE.

Hardware and Operation Mode »

LED



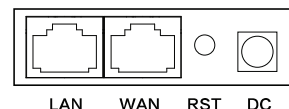
Signal Strength: Display the strength of signal

PWR: Power on/OFF.

WLAN: Wi-fi on/OFF.

WAN/LAN: When a device linked to the corresponding port, the LED light is On.

Interface



LAN WAN RST DC

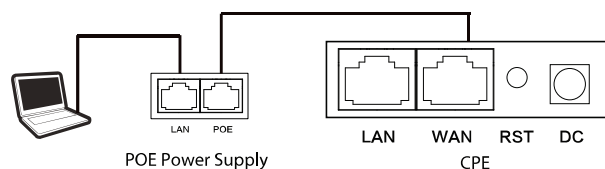
RST: Reset Button, and hold the RESET button for at least 18 seconds when wifi led is off, and then the CPE reboots to its factory default settings.

WAN/LAN: The Ethernet port is used to connect to the POE port of the provided Power Injector.

1 Hardware Connection »

Please use only wired network connection to configure the AP.

- 1 Locate a suitable mounting site for your CPE. To achieve the best performance of the devices, please select an elevated location where trees, buildings and large steel structures will not obstruct the antenna signals and which offers maximum line-of-sight propagation for the devices.
- 2 Adjust the direction of your CPE for a best signal. Place the straps through the slots on the back of the CPE and then around the pole. Tighten the straps.
- 3 Connect one end of an Ethernet cable to the PoE port of the provided PoE and the other end of the Ethernet cable to the LAN port of the CPE. Then, connect the LAN port of the PoE to a PC using another Ethernet cable. Finally, plug the provided power adapter into a standard electrical wall socket.



- 4 Turn on all your network devices and then check to see if the LEDs on the AP display normally as the diagram below describes.
- 5 If you use two CPEs to build the network, please make sure that the two CPEs are placed **face to face**

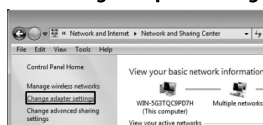
2 Setting the Computer »

Assign a static IP address 192.168.0.100 for your computer first **before** logging in the management page. Here we take the procedures in Windows 7 for example.

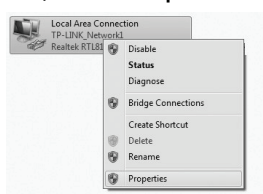
- 1 Go to **Start > Settings > Panel**, and then you will see the following page. Click **network status and tasks**



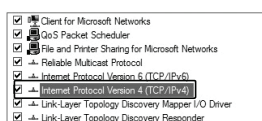
- 2 Click **Change adapter settings**



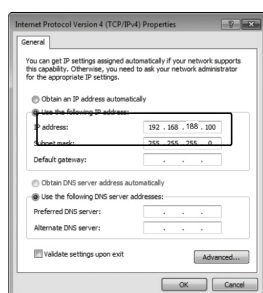
- 3 Right-click **Local Area Connection**, then click **Properties**



- 4 Double-click **Internet Protocol Version 4 (TCP/IPv4)**.



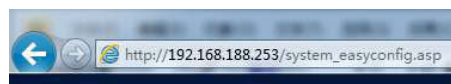
- 5 Select **Use the following IP address**, enter 192.168.188.100 into the **IP address** field and 255.255.255.0 into the **Subnet mask** field.



- 6 Click **OK** to save the configurations for your computer.

3 Log in the Web Management »

a.Open your web browser, type 192.168.188.253 in the address bar



b.enter the User name/Password: preset as admin/admin, then you can find on the label attached to the router, click OK



4 Setting the AP »

Enter into the page of WEB software management page, then set ceiling AP as requirement. The default working mode is AP.

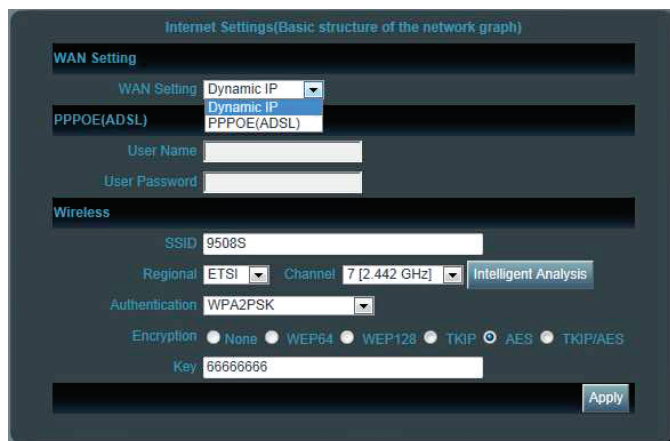
- **Internet Setting:** The AP will setting to Gateway Mode;
- **Wireless Repeater:** The AP will setting to Repeater Mode;
- **Wireless Coverage:** The AP will setting to AP Mode;
- **System Tools:** PING Tools
- **Advanced Settings**



4 Setting the AP »

– Gateway Mode

1. Choose the "Internet Setting", that means AP will change to **Gateway Mode**:



2. In this mode, the AP's two Ethernet Port change into WAN & LAN Port:

3. **WAN Setting:** Choose Dial Way, PPPoE/Dynamic IP Support. PPPoE need **User Name** and **User Password** fill in, which is provided by ISP

4. **Wireless:** setting the Wireless Network, such as SSID and Key of the network.

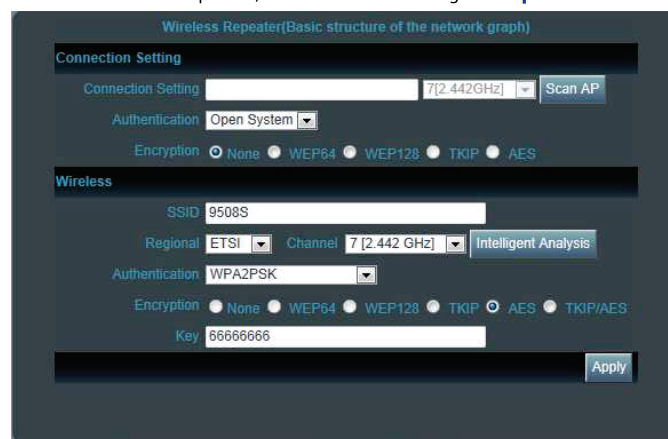
- SSID : the name of wireless network
- Channel: Setting wi-fi signal channel, you can click the intelligent analysis, here will show details of wireless networks nearby
- Authentication and Encryption: WPA2-PSK, AES is default
- Key: the password of wi-fi network

5. Click the Apply the System will reboot.

NOTE: In the mode, the DHCP Server is enable by default, the computer can get the IP address from AP.

– Repeater Mode

1. Choose the "Wireless Repeater", that means AP will change to **Repeater Mode**:



2. In this mode, the AP can connect to other wireless networks, click the "Scan AP", the AP will search the wireless network, see the picture as below, choose the wi-fi you want to connect:



3. Fill the key of wireless network, and then setting the wireless of AP

4. **Wireless:** setting the Wireless Network, such as SSID and Key of the network.

- SSID : the name of wireless network
- Channel: Setting wi-fi signal channel, you can click the intelligent analysis, here will show details of wireless networks nearby
- Authentication and Encryption: WPA2-PSK, AES is default
- Key: the password of wi-fi network

5. Click the Apply the System will reboot.

– AP Mode

1. Choose the “Wireless Coverage”, that means AP will change to AP mode:



2. **Wireless:** setting the Wireless Network, such as SSID and Key of the network.

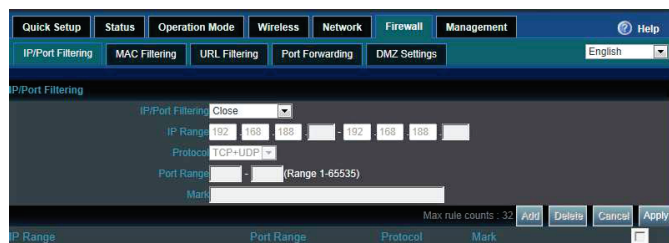
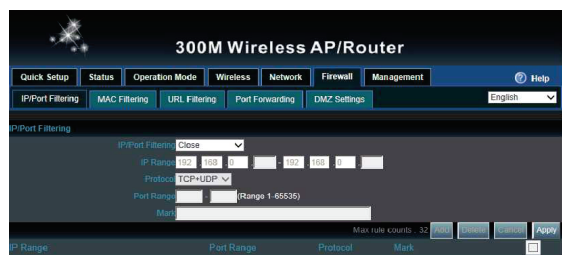
- SSID : the name of wireless network
- Channel: Setting wi-fi signal channel, you can click the intelligent analysis, here will show details of wireless networks nearby
- Authentication and Encryption: WPA2-PSK, AES is default
- Key: the password of wi-fi network

3. Click the Apply the System will reboot.

NOTE: In the mode, the DHCP Server is disabled by default, the computer can get the IP address from core router.

– Advances Setting

Choose the “Advances Setting”, you can set Firewall and Management function of AP:



IP/Port/MAC/URL Filtering: This feature is turned on, the router will be in accordance with the filtering rules are selected for forwarding of data limitations. When the filtering rules for [refuse], the router will refuse to forward data in accordance with the conditions; when the filtering rules to [allow], the router will only transmit data in accordance with the conditions

Backup: Save the configuration file to your computer

Restore: Using the saved configuration file recovery configuration

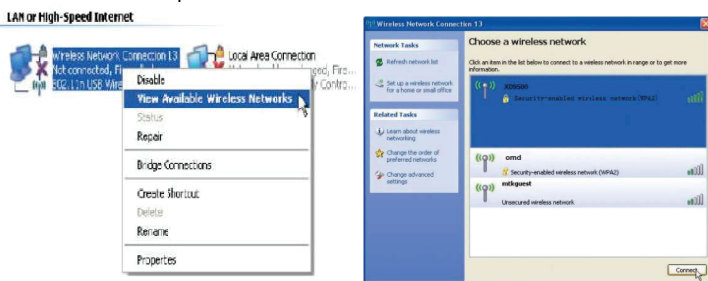
Reset Default: Restore the factory default settings, please press this button

Reboot: Device will restart

Router, DDNS, QoS, User Logs, Upgrade Firmware are also supports

5 Test the Wireless Network»

After basic configuration, if you want use wireless internet, you can configure computer wireless connection as local connection settings mentioned above. Right click "wireless network configuration", chose "check available wireless connection", find the connecting name you have set before. And test the wireless network's performance.

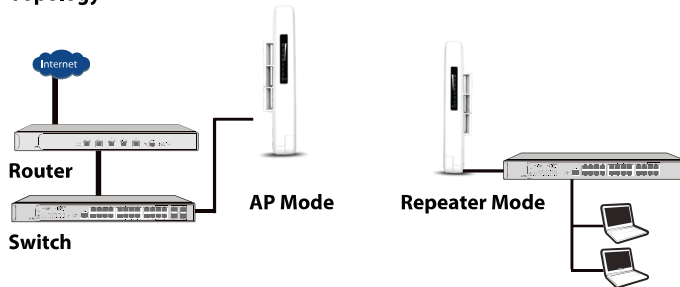


Appendix 1 Trouble Shooting

Symptoms	Treatment
Forget the login user name and passwords	Restore to factory default
Can't login Router through WEB management	<ol style="list-style-type: none"> 1. Pls make sure the PC and AP's IP Address are in same network segment, can be checked through Ping: PC start--input CMD in Run, then ping 192.168.188.253 2. Login after Restore AP to factory default 3. Make sure there isn't any equipment take IP address of 192.168.188.253 in AP networking 4. Check your computer and network cable to avoid any problem, recommend to use unshielded twisted pair 10/100M Ethernet cable.
Forget the wifi's SSID and passwords	Restore to factory default
No Power indicator	If DC Power, check the local power supplier

Appendix 2 Hotel Wireless Solution

Topology



Appendix 3 PoE Power Supply

The PoE power supply of Access Point, line 1.2.3.6 is using transfer the data, and 4.5.7.8 is using transfer the power, 4.5 is “+”, 7.8 is “-”.

