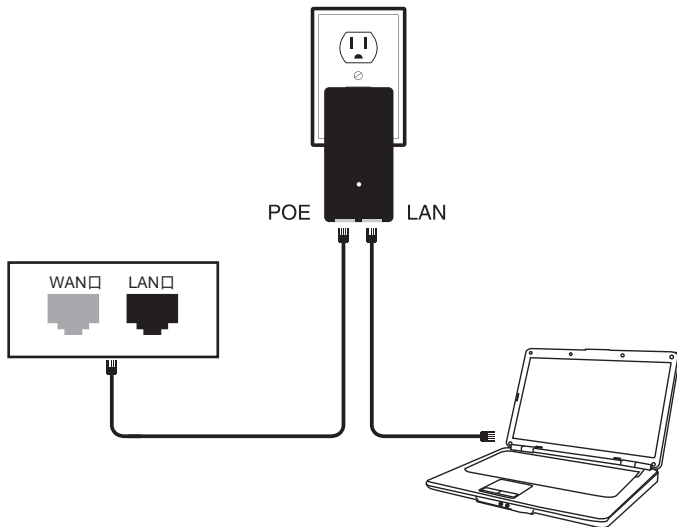


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# Quick Installation Guide

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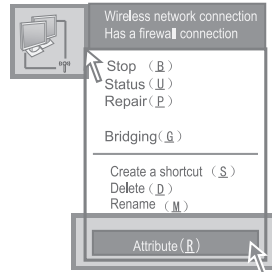
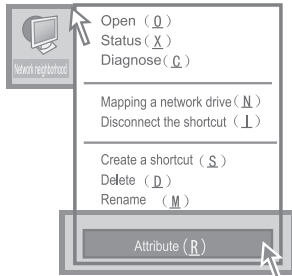


Power LAN port .....→ connect with a PC or a router

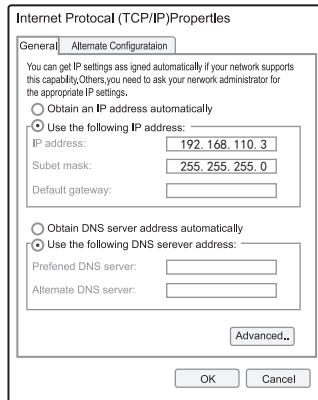
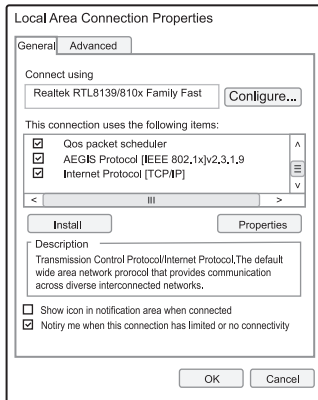
Power POE port .....→ connect device LAN port (supply power to the device)

NOTE : Use LAN ports of the device to log in software

- 1 Open your "Network Connections"
- 2 Open your "Local Area Connections", and choose "Property" .

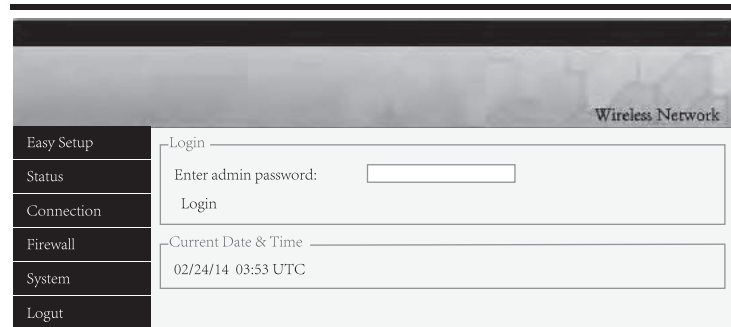


- 3 Double click "Internet Protocol (TCP/IP) Properties".
- 4 Set your IP to "Use the following IP address"

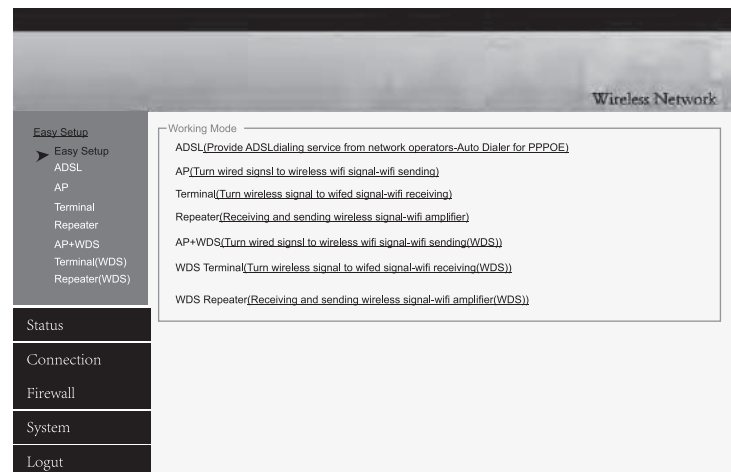


2

- 5 Open your IE and enter in "192.168.110.1", the password is "password" enter in the password "password"



- 6 Get into the firmware.and choose "Easy Setup" (choose the Mode which you need)



3

## ADSL Mode (dialing)

Choose "ADSL", enter the user name and password of your broadband, and set your own SSID, and set your ip to 192.168.110.1, and save changes. (PS: the cable need be connected with WAN port in ADSL Mode)

Wireless Network

Easy Setup

- Easy Setup
- ADSL
- AP
- Terminal
- Repeater
- AP+WDS
- Terminal(WDS)
- Repeater(WDS)

Local Network / LAN

Router IP: 192.168.110.1 ← Set your IP

Local Network / LAN

Operation Mode:

Channel Width: 40MHz(2nd chan, below) ▼

Transmit Power: Max ▼ 27 (0-27dBm)

Wireless MAC Filter: Disabled ▼ ← Default bandwidth

Access Point SSID:  ← your wifi name

Wireless Channel: 11 ▼ ← support 1-11 channels

Encryption: WPA PSK ▼ ← Choose WPA PSK, and set your password

Password:

Save Changes Reset

## Steps of Setting up (refer to the left picture)

1. Write down ADSL and password
2. Set up IP address of Router (for example: 192.168.110.1)
3. Frequency setting (support 2.3-2.7G)

Note: in general, routers, mobile phone, laptop only could receive 2.4Ghz channel

(1) Firstly, choose "width of broadband"

- 40MHz (2nd chan. below) ▼
- 40MHz (2nd chan. above) ▼

(2) Secondly, choose the channel which you need in "wireless channel"

4. Write down the name of SSID (like: wifi, do not support Chinese SSID)
5. Choose encryption (like: choose WPA PSK, add wifi password)
6. Save and finish setting.

## Environment setting



## AP Mode (sending)+WDS

Choose "AP", enter the user name and password of wifi, set your ip to 192.168.110.1, and save changes. (PS:the cable need be connected with LAN port in AP Mode)

The screenshot shows the configuration interface for a wireless network. The left sidebar has a menu with options: Easy Setup, ADSL, AP, Terminal Repeater, AP+WDS (selected), Terminal(WDS) Repeater(WDS), Status, Connection, Firewall, System, and Logut. The main content area is divided into sections:

- Internet / WAN:** Current IP: 192.168.110.1 (with a 'Renew Lease Now' button), Current Lease Expires: [blank], Wan Ethernet Port: Normal Use.
- Local Network / LAN:** Router IP: 192.168.110.1 (with an arrow pointing to it and the text 'Set your IP').
- Local Network / LAN (continued):** Operation Mode: N+A, Channel Width: 40MHz(2nd chan. blow) (with an arrow pointing to it and the text 'Default bandwidth'), Transmit Power: Max (with a '27' input field and '(0-27dBm)') (with an arrow pointing to it and the text 'Choose WPA PSK, and set your password').
- Wireless MAC Filter:** Access Point SSID: WiFi (with an arrow pointing to it and the text 'your wifi name'), Wireless Channel: 2452MHz[11] (with an arrow pointing to it and the text 'support 1-11 channels'), Encryption: None (with an arrow pointing to it and the text 'Choose WPA PSK, and set your password'), Clients Quantity: [blank].

At the bottom of the configuration area are 'Save Changes' and 'Reset' buttons.

The screenshot shows the DHCP and Static IP configuration interface. The left sidebar has a menu with options: Status, Connection, Basic, Authentication, DHCP (selected), Dynamic DNS, Routing, Wake on LAN, Firewall, System, and Logut. The main content area is divided into sections:

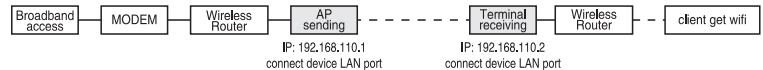
- DHCP:** LAN DHCP Server Enabled (checked), DHCP range: Start: 192.168.110.10, End: 192.168.110.250, Lease Time: 12 (hours).
- Static IPs:** Block MAC addresses assigned a static IP that connect from a different IP (checked), Add Static IP Addresses: Hostname (optional), MAC, IP, Add button, Select Hostname/MAC From Currently Connected Hosts (dropdown), Assigned Static IP Addresses: [blank].

At the bottom of the configuration area are 'Save Changes' and 'Reset' buttons.

### Steps of Setting up (refer to the left picture)

1. Write down ADSL and password
2. Set up IP address of Router (for example : 192.168.110.1)
3. Frequency setting  
Note : in general , routers , mobile phone , laptop only could receive 2.4Ghz channel  
( 1 ) Firstly , choose " width of broadband "  
40MHz (2nd chan. below) 40MHz (2nd chan. above)  
( 2 ) Secondly choose the channel which you need in " wireless channel "
4. Write down the name of SSID ( like : wifi , do not support Chinese SSID )
5. Choose encryption ( like : choose WPA PSK , add wifi password )
6. Save changes , Select " Status " to cancel " DHCP Services " ( picture above )
7. Save and finish setting.

### Environment setting



## Terminal Mode+WDS

Choose "Terminal", scan wifi name and enter in the password, and set your ip to 192.168.110.2, and save changes. (PS: the cable need be connected with LAN port in Terminal Mode)

The screenshot shows the configuration page for a wireless network. On the left is a navigation menu with options: Easy Setup, ADSL, AP, Terminal, Repeater, AP+WDS, and Terminal(WDS) Repeater(WDS). The main content area is titled "Wireless Bridge/Repeater" and contains the following fields and settings:

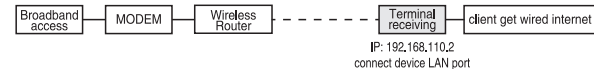
- Bridge IP : 192.168.110.2 (must be in AP subnet)
- Subnet Mask : 255.255.255.0 (same as AP mask)
- AP/Gateway IP : 192.168.110.1 ← Enter in IP
- Wan Ethernet Port : Disable
- DNS Servers : Use Gateway As DNS Server
- Connect Via WDS : [Dropdown]
- Operation Mode : N+A
- Channel Width : 40MHz (2nd chan. below) ← Default bandwidth
- Transmit Power : Max 27 (0-27dbm)
- SSID to Join : WIFI Scan ← Scan wifi
- MAC Binding ( Blank if not binding ) : [Blank]
- Wireless Channel : 2452MHz[11]
- Encryption : None

At the bottom are "Save Changes" and "Reset" buttons.

## Steps of Setting up (refer to the left picture)

- 1.Change WAN port into LAN port according to demand
- 2.Set up IP address of Router (for example:192.168.110.1)
- 3.Setting SSID, scan the available wifi signal
- 4.Write down the name of SSID (like: wifi, do not support Chinese SSID)
- 5.Choose encryption (like: choose WPA PSK, add wifi password)
- 6.Save and finish setting.

## Environment setting



## Note:

- 1.if the strength of signal light on,could connect QQ but could not open the website,Pls choose "connection" option at the left,DNS change to "Google DNS serve" .
- 2.when receiving CMCC,DNS change to "Operators provide default DNS serve" .

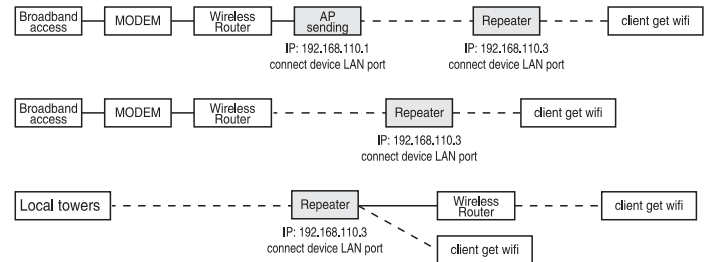
## Repeater Mode

Choose "Repeater", scan wifi name and enter in the password, and set your ip to 192.168.110.3, and save changes. (PS: the cable need be connected with LAN port in Repeater Mode)

### Setting setup (Reference the left picture):

1. Setting the router IP address : (For example: 192.168.110.3)
2. Setting SSID, scan the available wifi signal
3. Enter the name of SSID wifi signal (For example: wifi)
4. Choose the encryption (For example: WPA PSK, add wifi password)
5. Save the change, set up is finished

### Environment setting



### Note:

1. If the device signal indicator light is on, and it can connect to QQ but can't open the website, please click the left selection "connect", DNS change to "Google DNS server"
2. When receiving CMCC, DNS should change to "Operators of DNS server by default"

### Q&A

Q1 How does CPE get the power without power supply?

We use POE power, CPE gets the power via cable. Users need use 2 cables to connect and setting (better use Super five types copper cable with shielding net). POE manual can refer to cover connecting picture, but please remember connect with LAN port (black port), not the yellow one.

Q2 How long the POE cable can be?

The length of cable depends on power voltage and cable quality. If you use 12v power, cable can be 10-20m. If you use 24v power, cable can be over 20m. Cable must be Super five types copper cable with shielding net (Better quality can be 50m).

Q3 How to reset CPE?

Get device power on, long press RESET button (7-10), device reboot.

Q4 How to solve the LAN can't get the IP address even the cable connect to the computer?

The cable must connect to the wireless bridge LAN port, if connect to WAN it will not get the IP address.

Q5 Why local Area Connection is on and off after installed device?

Detection method as below:

1. Try to change 1m cable, make sure it is not quality of cable problem.

2. Try to change channels, avoid signal quality problem cause disturbance.

Q6 Why the website blank and show the mistake that can't enter password?

You can try to change the IE version, recommend the Google browser.

Q7 What's the mean of repeater?

Repeater means when receive the signal, it will transfer the signal meanwhile output the wireless signal. As the function of the amplifier.

Q8. Light of signal

Red: PWR: power light showing the normal working status.

Blue: WLAN: wifi signal light the strobe light show the normal working status.

WAN, LAN: LAN light showing the normal working status.

Orange: 1-4 Signal Strength Indicator

Light 1, The signal is too weak.

Light 1.2, The signal is weak.

Light 1.2.3, The signal is general.

Light 4, The signal is too strong.

Light 1.2.3.4, The best signal.

### FCC Warning:

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this 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 equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.