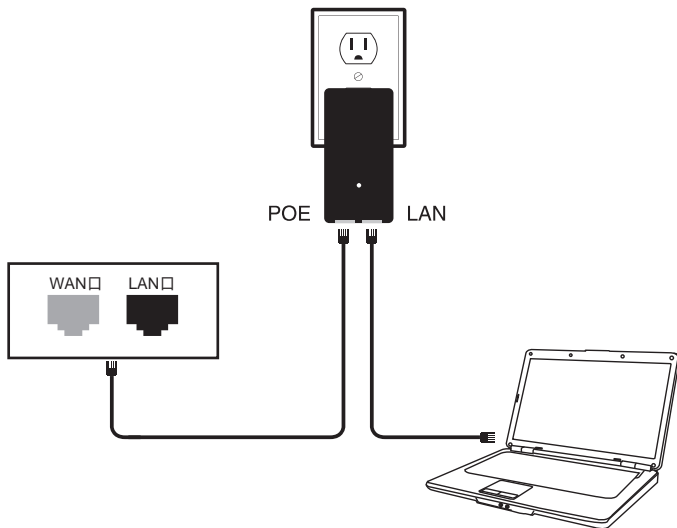# Quick Installation Guide

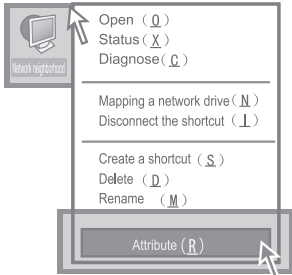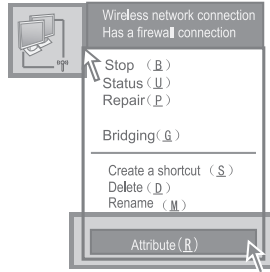Power LAN port ┈┈┈► connect with a PC or a router

Power POE port ┈┈┈► connect device LAN port (supply power to the device)
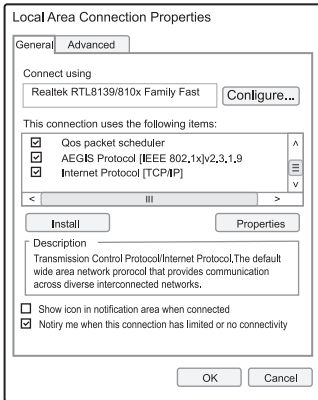
NOTE   Use LAN ports of the device to log in software
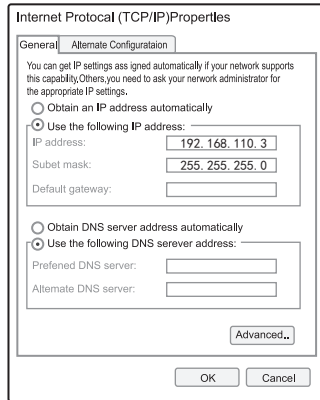
1 Open your "Network Connections"

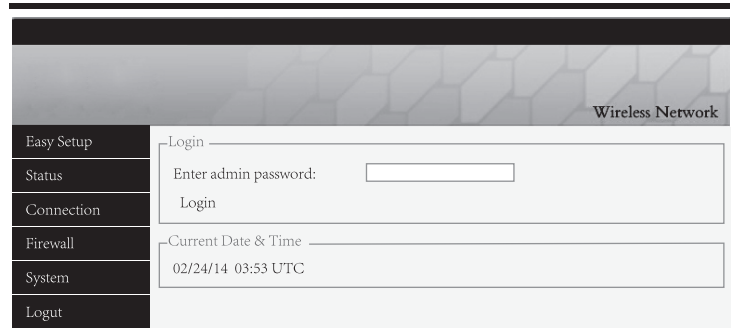**2** Open your "Local Area Connections", and choose "Property" .

Network neighborhood

Open（O）
Status（X）
Diagnose（C）

Mapping a network drive（N）
Disconnect the shortcut（T）

Create a shortcut（S）
Delete（D）
Rename （M）

Attribute（R）

Wireless network connection
Has a firewall connection

Stop （B）
Status（U）
Repair（P）

Bridging（G）

Create a shortcut （S）
Delete（D）
Rename （M）

Attribute（R）

3 Double click"Internet Protocol (TCP/IP)Properties".

4 Set your IP to "Use the following IP address"

Local Area Connection Properties

General Advanced

Connect using

Realtek RTL8139/810x Family Fast   Configure...

This connection uses the following items:

☑ Qos packet scheduler
☑ AEGIS Protocol [IEEE 802.1x]v2.3.1.9
☑ Internet Protocol [TCP/IP]

< III >

Install   Properties

Description
Transmission Control Protocol/Internet Protocol,The default wide area network prorocol that provides communication across diverse interconnected networks.

☐ Show icon in notification area when connected
☑ Notiry me when this connection has limited or no connectivity

OK   Cancel

Internet Protocal (TCP/IP)Properties

General Alternate Configurataion

You can get IP settings ass igned automatically if your network supports this capability,Others,you need to ask your network administrator for the appropriate IP settings.

◯ Obtain an IP address automatically
◉ Use the following IP address:
IP address: 192. 168. 110. 3
Subet mask: 255. 255. 255. 0
Default gateway:

◯ Obtain DNS server address automatically
◉ Use the following DNS serever address:
Prefened DNS server:
Alternate DNS server:

Advanced..

OK   Cancel

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

Wireless Network

Easy Setup

Status

Connection

Firewall

System

Logut

Login

Enter admin password:

Login

Current Date & Time

02/24/14 03:53 UTC

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

Wireless Network

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

Status

Connection

Firewall

System

Logut

Working Mode

ADSL(Provide ADSLdialing service from network operators-Auto Dialer for PPPOE)

AP(Turn wired signsl to wireless wifi signal-wifi sending)

Terminal(Turn wireless signal to wifed signal-wifi receiving)

Repeater(Receiving and sending wireless signal-wifi amplifier)

AP+WDS(Turn wired signsl to wireless wifi signal-wifi sending(WDS))

WDS Terminal(Turn wireless signal to wifed signal-wifi receiving(WDS))

WDS Repeater(Receiving and sending wireless signal-wifi amplifier(WDS))

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)

Status
Connection
Firewall
System
Logut

Internet / WAN
User Name: ⟵ enter the user name
Password: ⟵ enter the password
Reconnect Mode: Keep Alive ▼
(seoonds)

Local Network / LAN
Router IP: 192.168.110.1 ⟵ Set your IP

Local Network / LAN
Operation Mode:
Channel Width: 40MHz(2nd chan, blow) ▼
Transmit Power: Max ▼ 27 (0-27dBm)
Wireless MAC Filter: Dissbled ▼ ⟵ Default bandwidth

Accdss Point SSID: ⟵ your wifi name
  Wireless Channel: 11 ▼ ⟵ support 1–11 channels
  Encryption: WPA PSK ▼ ⟵ Choose WPA PSK,
  Password: ·············   and set your 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
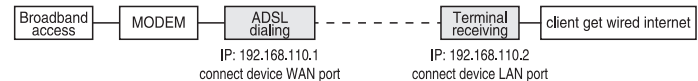   2.4Ghz channel

(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)
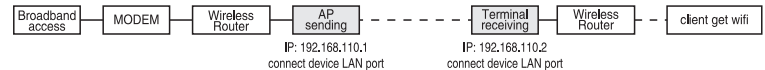
6.Save and finish setting.

Environment setting

Broadband access → MODEM → ADSL dialing ----- Terminal receiving → client get wired internet

IP: 192.168.110.1
connect device WAN port

IP: 192.168.110.2
connect device LAN port

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)

Wireless Network

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

Status
Connection
Firewall
System
Logut

Internet / WAN
Current IP :
Current Lease Expires :   Renew Lease Now
Wan Ethernet Port :   Normal Use ▼

Local Network / LAN
Router IP: 192.168.110.1   ←— **Set your IP**

Local Network / LAN
Operation Mode: N+A ▼
Channel Width: 40MHz(2nd chan, blow) ▼   ←— **Default bandwidth**
Transmit Power: Max ▼   27   (0-27dBm)
Wireless MAC Filter:

Access Point SSID: WiFi   ←— **your wifi name**
Wireless Channel: 2452MHz[11] ▼   ←— **support 1~11 channels**
Encryption: None ▼   ←— **Choose WPA PSK,**
Clients Quantity: **and set your password**

Save Changes   Reset

Status
Connection
- Basic
- Authentication
➤ DHCP
- Dynamic DNS
- Routing
- Wake on LAN
Firewall
System
Logut

DHCP
☐ LAN DHCP Server Enabled
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
Add Static IP Addresses :
    Hostname   MAC   IP
    (optional)   Add
    Select Hostname/MAC From Currently Connected Hosts ▼

Assigned Static IP Addresses :

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
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 paaaword
6.Save changes Select "Status" to cancel"DHCP Servies" picture above
7.Save and finish setting.

Environment setting

Broadband access — MODEM — Wireless Router — AP sending - - - - - Terminal receiving — Wireless Router - - client get wifi

IP: 192.168.110.1
connect device LAN port

IP: 192.168.110.2
connect device LAN port

6   7

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)

Wireless Network

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

Status

Connection

Firewall

System

Logut

Wireless Bridge/Repeater

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 ▼

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) :		
Wireless Channel :	2452MHz[11] ▼	
Encryption :	None ▼	

Save Changes　　Reset

Steps of Setting up (refer to the left picture)

1.Change WAN port into LAN port accodring to demand

2.Set up IP address of Router (for example:192.168.110.1)

3.Setting SSID, scan the avaliable wifi singal

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

Broadband access — MODEM — Wireless Router - - - - - Terminal receiving — client get wired internet

IP: 192.168.110.2
connect device LAN port
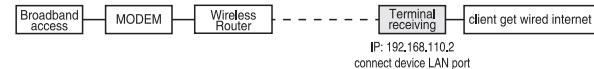
Note:

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)

Wireless Network

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

Status
Connection
Firewall
System
Logut

Current IP :
Current Lease Expires :   Renew Lease Now

Wan Ethernet Port :   Disable ▼

Local Network / LAN

Router IP: 192.168.110.1 ← Set your IP

Wireless

Channel Width: 40MHz(2nd chan, blow) ▼ ← **Default bandwidth**

Transmit Power: Max ▼ 27

Wireless MAC Filter: Disable ▼

SSID to Join: 1111 scan
MAC Binding(Blank if not
binding):
    Wireless Channel: 2462MHz[11] ▼
    Encryption: None ▼

    Access Point SSID: 2222 ← your wifi name
    Wireless Channel: 2452MHz[11] ▼ ← support 1–11 channels
    Encryption: None ▼ ← Choose WPA PSK,
    Clients Quantity   and set your password
                  ← Scan wifi

Save Changes   Reset

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
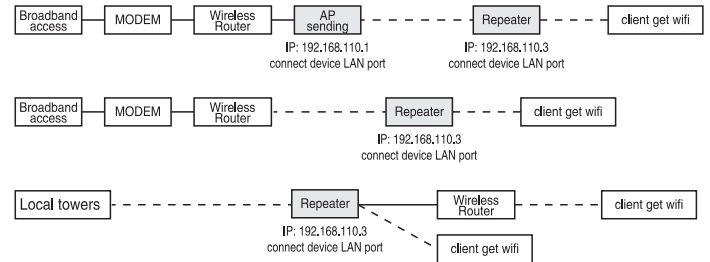
Note:

1.If the device signal indicator light is on, and its can connect to QQbut can't open the website,Please click the left selection "connect" , DNS change to "Google DNS servicer "

2.When receiving CMCC, DNS should chenge to "Operators of DNS server by default"

Q&A

Q1 How dose CPE get the power without power supply?
We use POE power,CPE get the power via cable.User 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 tha 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 mean when receive the signal , it will transfer the singal 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 singal light the strobe light show the normal working status.
      WAN,LAN:LAN light showing the normal working stats.
Orange:1-4 Signal.Strengh 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.
        Light1.2.3.4,The best signal.

FCC Warnning:
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 & your body.