

YAOJIN®

Quick Installation Guide

wireless router



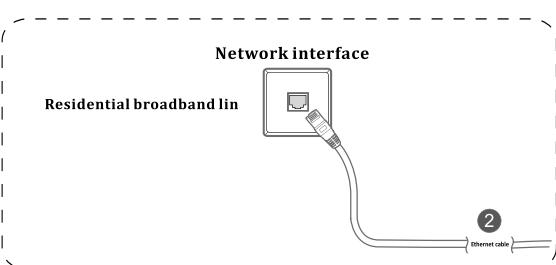
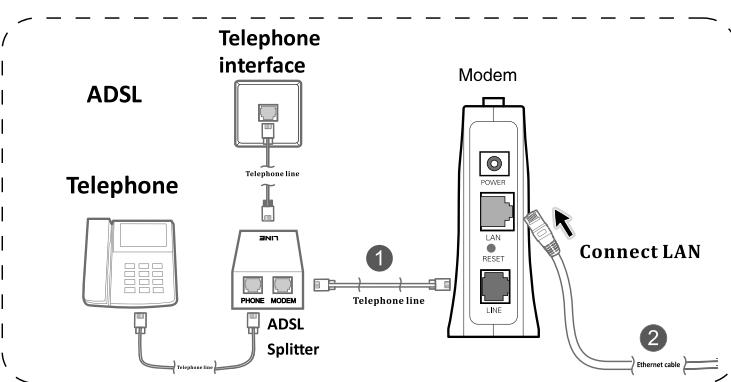
Items included: Router /Quick installation guide

1

Connect your router

If you're using this device for the first time, please follow the steps below to cable your router.

After you cable the router, please check if the LEDs light.

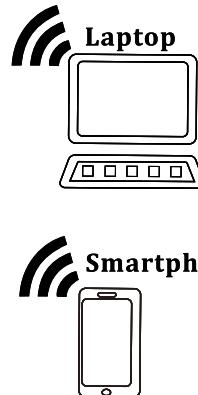
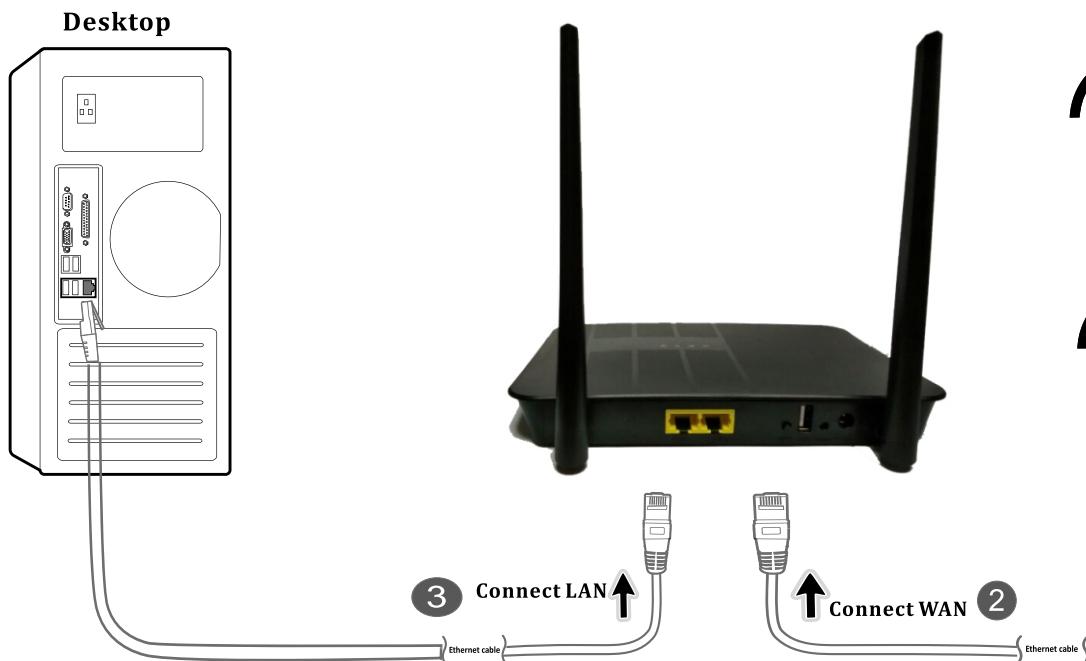


Caution

LED indicator	Description	Status
	The power / internet light	The LED indicator will stay on steadily.
	LED indicator for WAN	The LED indicator will stay on steadily, or it will flash.
	LED indicator for LAN	The LED indicator will stay on steadily, or it will flash.

If the LED indicators don't light or flash properly, please check if the router is connected using cable.

1. Unplug and disconnect the device when days of thunder or rainy days in case of electrical shock hazard.
2. Keep away from heat, store in a place with good ventilation.
3. Prevent from getting wet during transportation or store in a cool, dry place.
4. Use adapter that is designed for the device only.
5. Place the device on a even surface.



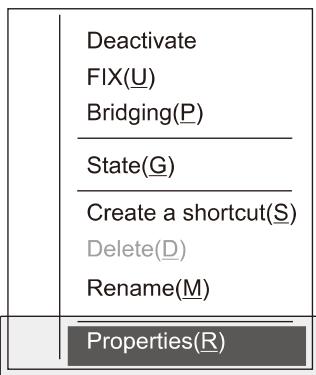
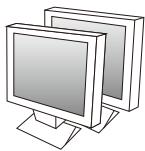
2 Set the computer network protocols

Windows Vista/7

Windows Vista/Windows 7/Vista system Please perform the following steps

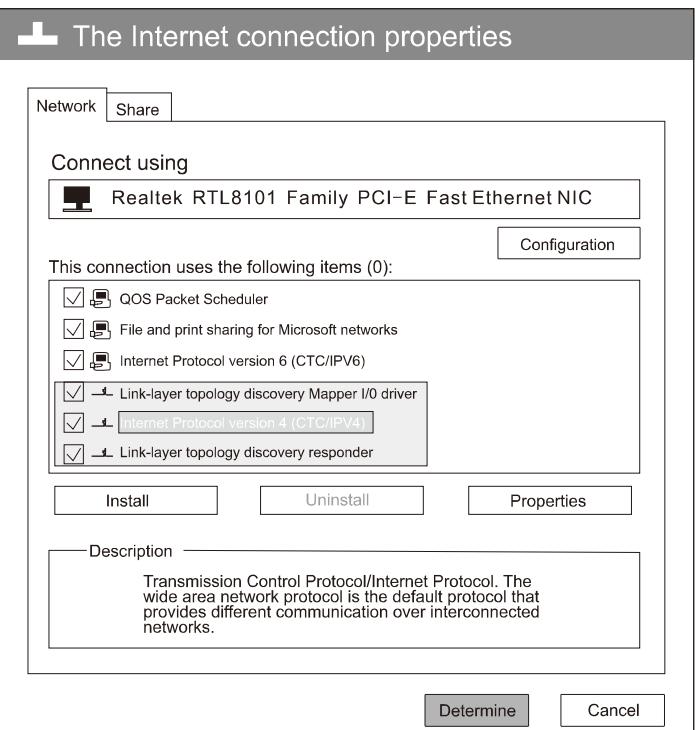
1

Click Start - Control Panel --- Network and Internet - Network connection "- select" Local Area Connection " Right-click, select "Properties".



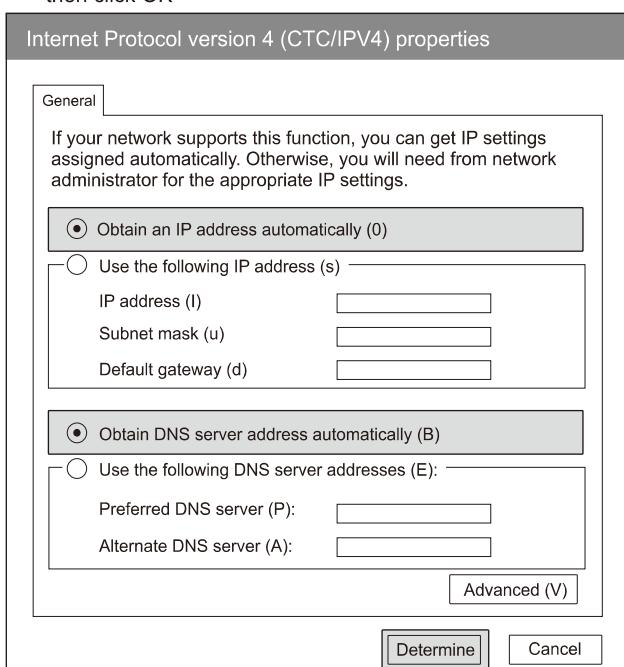
2

Double-click the "Internet Protocol Version 4 (TCP / Ipv4)



3

Double-click the "Obtain an IP address automatically" and "Obtain DNS server address automatically" Click OK to return to the previous interface and then click OK

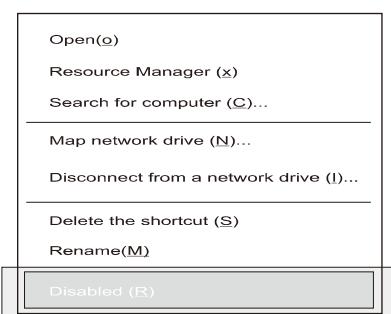


3

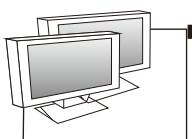
1



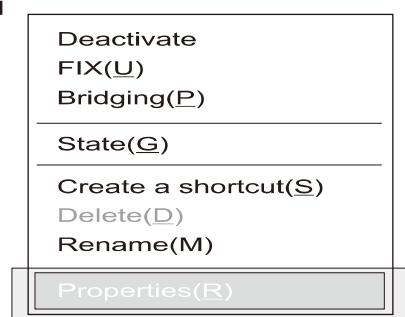
Select Local Area Connection, right-click and select "Properties".



2

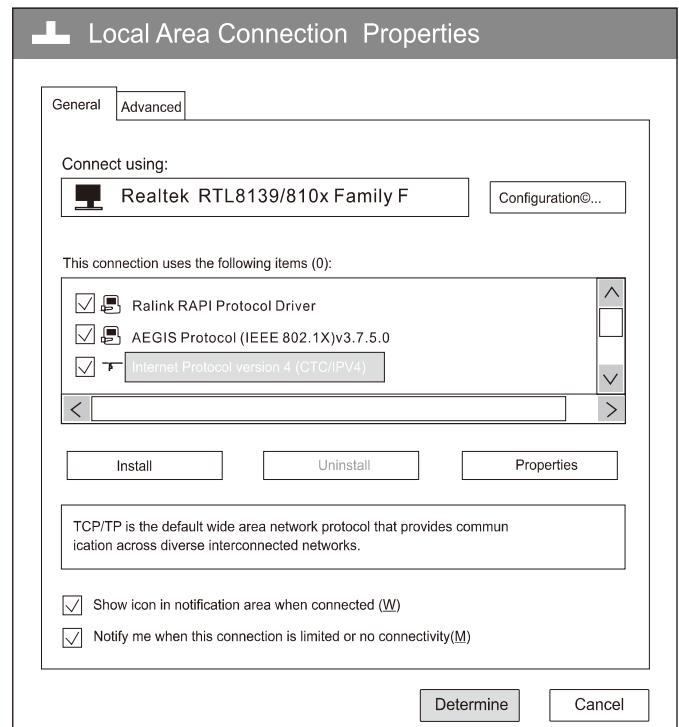


Select Local Area Connection, right-click and select "Properties".



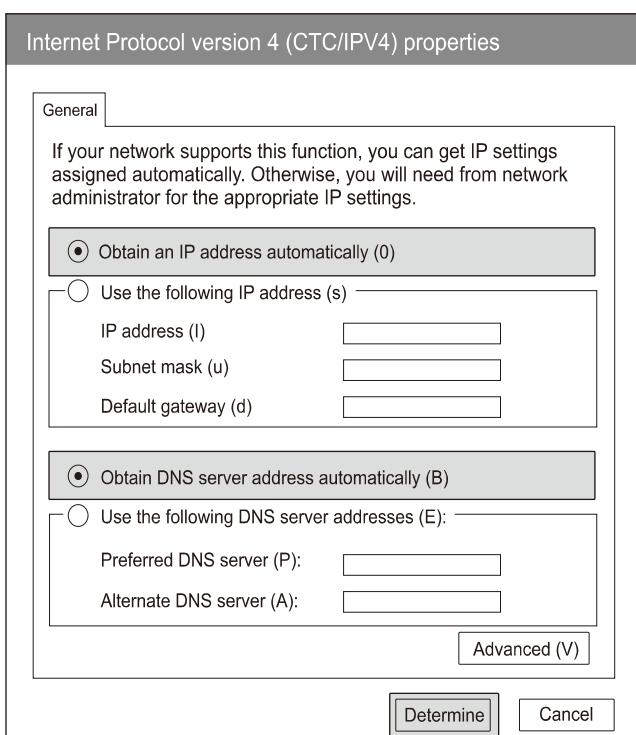
3

Double-click the "Internet Protocol Version (TCP / Ipv)



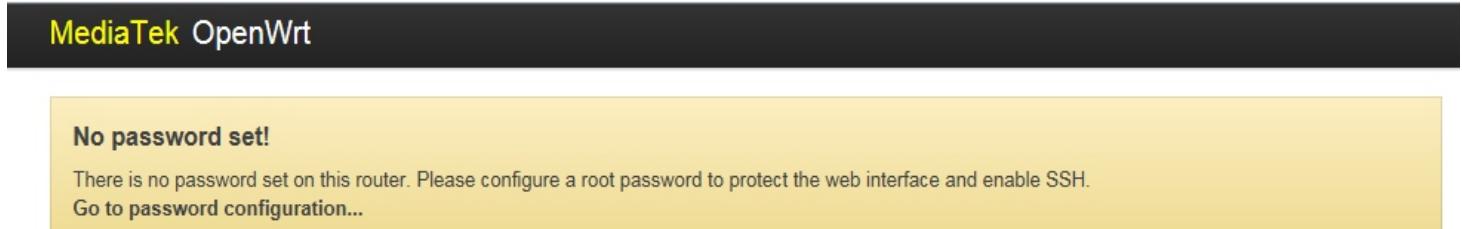
4

Double-click the "Obtain an IP address automatically" and "Obtain DNS server address automatically" Click OK to return to the previous interface and then click OK



3 Router Configuration

1 Open a web browser, enter 192.168.1.1, then press "Enter", and enter username and p assword.(default: root)



MediaTek OpenWrt

No password set!

There is no password set on this router. Please configure a root password to protect the web interface and enable SSH.

Go to password configuration...

Authorization Required

Please enter your username and password.

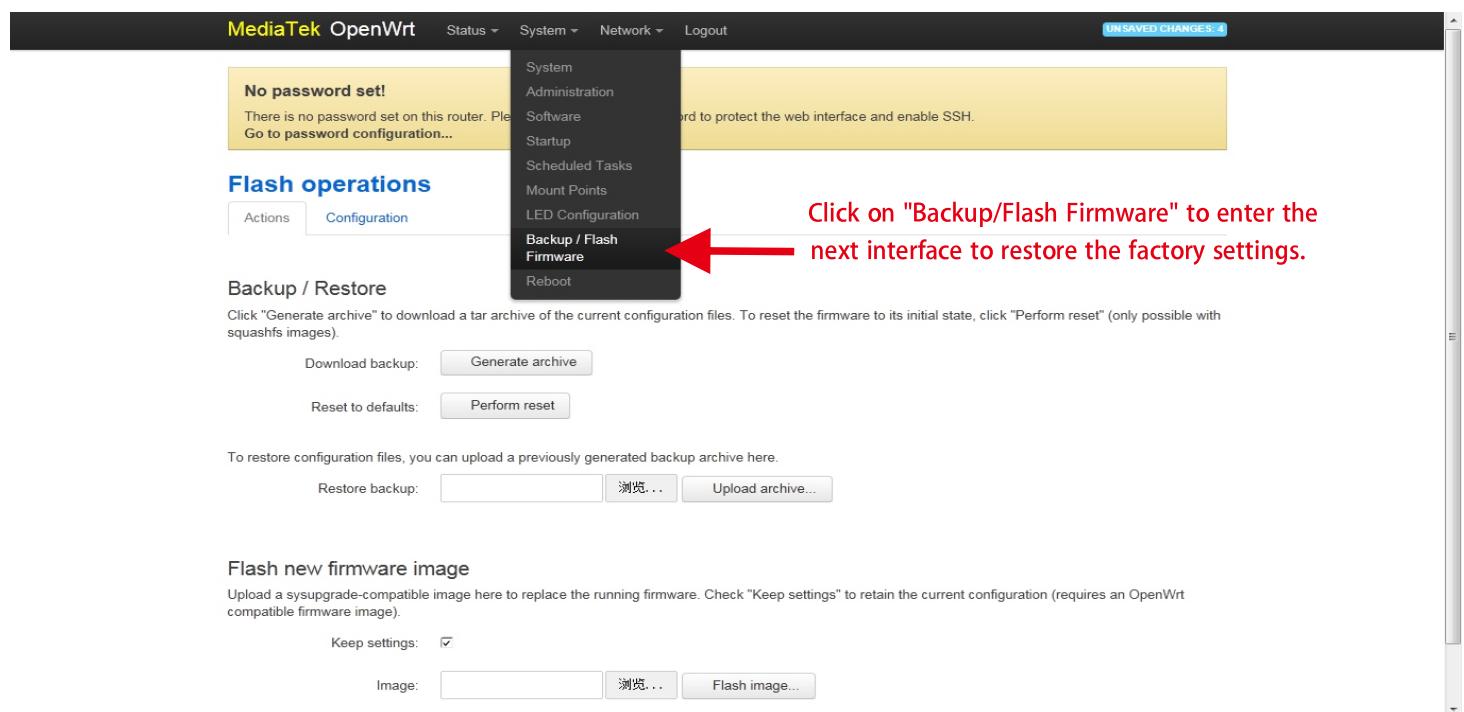
Username root

Password

Login Reset

Powered by LuCI Trunk (git-755d6f1) OpenWrt Barrier Breaker unknown

2 Restore factory settings



MediaTek OpenWrt

No password set!

There is no password set on this router. Please configure a root password to protect the web interface and enable SSH.

Go to password configuration...

Flash operations

Actions Configuration

Backup / Restore

Download backup:

Reset to defaults:

To restore configuration files, you can upload a previously generated backup archive here.

Restore backup:

Flash new firmware image

Upload a sysupgrade-compatible image here to replace the running firmware. Check "Keep settings" to retain the current configuration (requires an OpenWrt compatible firmware image).

Keep settings:

Image:

http://192.168.1.1/cgi-bin/luci/stok=fdb089132142c21c0d92914abef04e2/admin/system/flashops

100%

MediaTek OpenWrt Status System Network Logout UNSAVED CHANGES: 4

No password set!
There is no password set on this router. Please configure a root password to protect the web interface and enable SSH.
Go to password configuration...

Flash operations

Actions Configuration

Backup / Restore
Click "Generate archive" to download a tar archive of the current configuration files. To reset the firmware to its initial state, click "Perform reset" (only possible with squashfs images).

Download backup:

Reset to defaults:

To restore configuration files, you can upload a previously generated backup archive here.

Restore backup:

Flash new firmware image
Upload a sysupgrade-compatible image here to replace the running firmware. Check "Keep settings" to retain the current configuration (requires an OpenWrt compatible firmware image).

Keep settings:

Image:

100%

3 Modify the LAN address

MediaTek OpenWrt Status System Network Logout UNSAVED CHANGES: 4 AUTO REFRESH ON

No password set!
There is no password set on this router. Please configure a root password to protect the web interface and enable SSH.
Go to password configuration...

Wireless Overview
Generic WEXT 802.11 (mt7603e)
Channel: 1 (? GHz) | Bitrate: 300 Mbit/s
SSID: mt7603e-80C8 | Mode: Client
0% BSSID: 00:0C:43:26:60:40 | Encryption: -

Associated Stations
No information available

Powered by LuCI Trunk (git-755d6f1) OpenWrt Barrier Breaker unknown

http://192.168.1.1/cgi-bin/luci/stok=eec1cbd860b325b262dd370d0fd533ec/admin/network/network

100%

Network, Interfaces, click "Interfaces", enter LAN, WAN settings

MediaTek OpenWrt Status System Network Logout UNSAVED CHANGES: 4 AUTO REFRESH ON

No password set!
There is no password set on this router. Please configure a root password to protect the web interface and enable SSH.
Go to password configuration...

Interfaces

Network → Interfaces → LAN, modification. Entering the LAN modification interface.

Interface Overview

Network	Status	Actions
LAN	Uptime: 0h 8m 21s MAC-Address: 00:0C:43:28:80:C8 RX: 603.72 KB (4650 Pkts.) TX: 2.02 MB (4070 Pkts.) IPv4: 192.168.1.1/24 IPv6: FD6D:65E1:6BAF:0:0:0:1/60	Connect Stop Edit Delete
WAN	RX: 0.00 B (0 Pkts.) TX: 0.00 B (0 Pkts.)	Connect Stop Edit Delete
WAN6	MAC-Address: 00:00:00:00:00:00 RX: 0.00 B (0 Pkts.) TX: 0.00 B (0 Pkts.)	Connect Stop Edit Delete

Add new interface...

Global network options

IPv6 ULA-Prefix: fd6d:65e1:6baf::/48

4 Modify the LAN address

MediaTek OpenWrt Status System Network Logout AUTO REFRESH ON

Interfaces - LAN

On this page you can configure the network interfaces. You can bridge several interfaces by ticking the "bridge interfaces" field and enter the names of several network interfaces separated by spaces. You can also use VLAN notation INTERFACE.VLANNN (e.g.: eth0.1).

Common Configuration

General Setup Advanced Settings Physical Settings Firewall Settings

Status	br-lan	Uptime: 1h 43m 37s MAC-Address: 00:0C:43:28:80:C8 RX: 1.73 MB (21039 Pkts.) TX: 17.42 MB (24565 Pkts.) IPv4: 192.168.1.1/24 IPv6: FD6D:65E1:6BAF:0:0:0:1/60
Protocol	Static address	Modify the router's address here: 192.168.1.1, 192.168.10.1, 192.168.118.1 and so on. Remember: unlike other Internet routers, it will cause IP conflict and no internet access.
IPv4 address	192.168.1.1	
IPv4 netmask	255.255.255.0	
IPv4 gateway		
IPv4 broadcast		
Use custom DNS servers		
IPv6 assignment length	60	Assign a part of given length of every public IPv6-prefix to this interface

DHCP Server

General Setup Advanced Settings IPv6 Settings

Ignore interface Disable DHCP for this interface.

Start Lowest leased address as offset from the network address.

Limit Maximum number of leased addresses.

Leasetime Expiry time of leased addresses, minimum is 2 minutes (2m).

Any setting must press "save & should", will take effect.

Save & Apply **Save** **Reset**

5 Wan port settings (LAN Internet settings)

MediaTek OpenWrt Status System Network Logout **AUTO REFRESH ON**

No password set!
There is no password set on this router. Please configure a root password to protect the web interface and enable SSH.
Go to password configuration...

Interfaces - WAN
On this page you can configure the network interfaces. You can bridge several interfaces by ticking the "bridge interfaces" field and enter the names of several network interfaces separated by spaces. You can also use VLAN notation INTERFACE.VLANNN (e.g. etho.1).

Common Configuration

General Setup **Advanced Settings** Physical Settings Firewall Settings

Status **Protocol**

etho.2 Uptime: 1h 15m 45s
MAC-Address: 00:0C:43:28:80:C8
RX: 2.98 MB (3172 Pkts.)
TX: 6.59 MB (23506 Pkts.)
IPv4: 192.168.55.153/24

Hostname to send when requesting DHCP

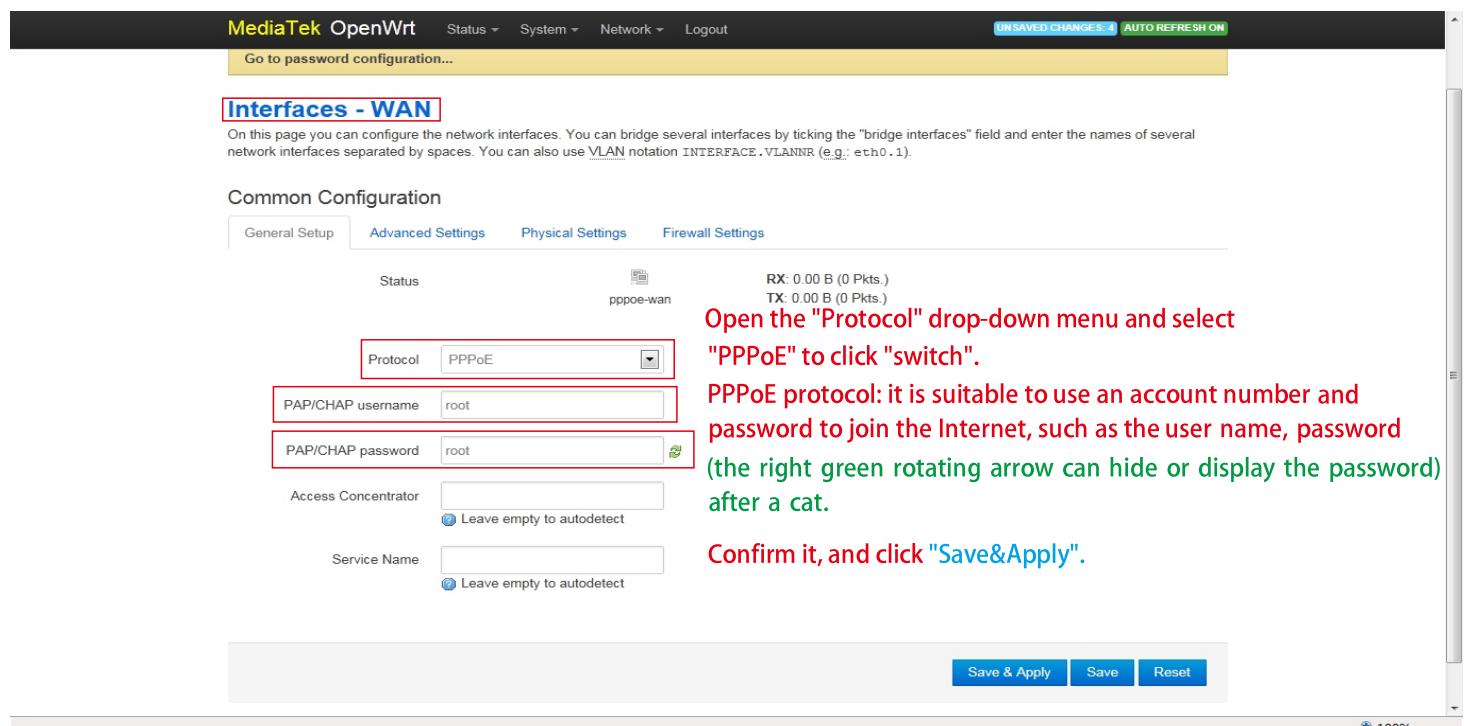
Save & Apply **Save** **Reset**

After recovering the WAN protocol after the factory setup, the default is the DHCP client, which is automatically getting the IP address assigned by the higher level router. It is suitable to connect to the Internet after the company has been able to access the Internet (the cable is connected to the Wan port of the opemwrt router).

This figure has got 192.168.55.153.

Powered by LuCI Trunk (git-755d6f1) OpenWrt Barrier Breaker unknown
<http://192.168.1.1/cgi-bin/luci/stok=7dc461827e2ed17a51cdf183cea6f7d1/admin/network/network/wan?tab.network.wan=firewall> 100%

6 Wan port equipment (set up the Internet)



MediaTek OpenWrt Status System Network Logout UNSAVED CHANGES AUTO REFRESH ON

Go to password configuration...

Interfaces - WAN

On this page you can configure the network interfaces. You can bridge several interfaces by ticking the "bridge interfaces" field and enter the names of several network interfaces separated by spaces. You can also use VLAN notation INTERFACE.VLANNR (e.g.: eth0.1).

Common Configuration

General Setup **Advanced Settings** Physical Settings Firewall Settings

Status **pppoe-wan** RX: 0.00 B (0 Pkts.)
TX: 0.00 B (0 Pkts.)

Protocol **PPPoE**

PAP/CHAP username **root**

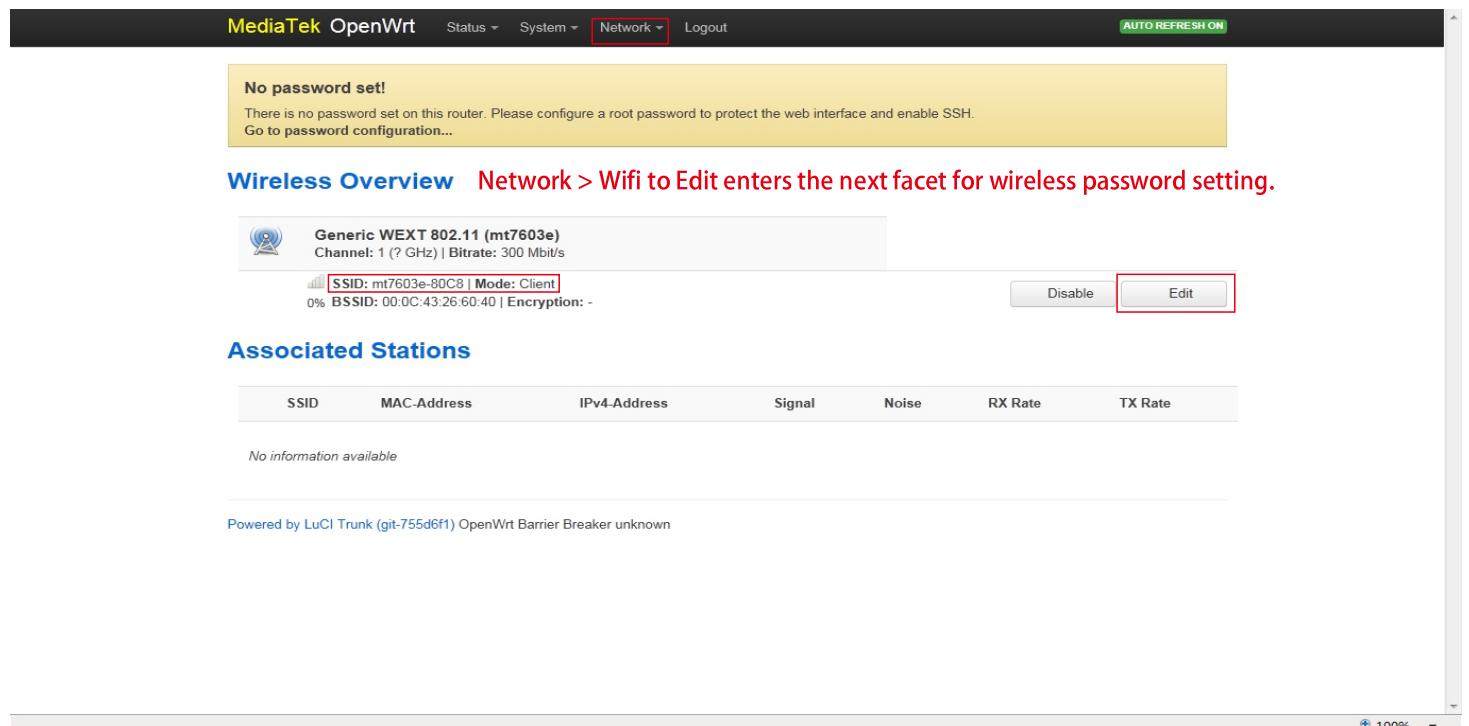
PAP/CHAP password **root**

Access Concentrator Leave empty to autodetect

Service Name Leave empty to autodetect

Save & Apply Save Reset

7 Wireless setup



MediaTek OpenWrt Status System **Network** Logout AUTO REFRESH ON

No password set!
There is no password set on this router. Please configure a root password to protect the web interface and enable SSH.
Go to password configuration...

Wireless Overview

Network > Wifi to Edit enters the next facet for wireless password setting.

Generic WEXT 802.11 (mt7603e)
Channel: 1 (? GHz) | Bitrate: 300 Mbit/s

SSID: mt7603e-80C8 | Mode: Client
0% BSSID: 00:0C:43:26:60:40 | Encryption: -

Disable Edit

Associated Stations

SSID	MAC-Address	IPv4-Address	Signal	Noise	RX Rate	TX Rate
No information available						

Powered by LuCI Trunk (git-755d6f1) OpenWrt Barrier Breaker unknown

8 Modify the WIFI password

No password set!
There is no password set on this router. Please configure a root password to protect the web interface and enable SSH.
Go to password configuration...

Wireless Network: Client "mt7603e-80C8" (ra0)

The *Device Configuration* section covers physical settings of the radio hardware such as channel, transmit power or antenna selection which are shared among all defined wireless networks (if the radio hardware is multi-SSID capable). Per network settings like encryption or operation mode are grouped in the *Interface Configuration*.

Device Configuration

General Setup Advanced Settings HT Physical Mode

Status

Mode: Client | SSID: mt7603e-80C8
0% BSSID: 00:0C:43:26:60:40 | Encryption: -
Channel: 1 (0.000 GHz) | Tx-Power: 0 dBm
Signal: 0 dBm | Noise: 0 dBm
Bitrate: 300.0 Mbit/s | Country: 00

Radio on/off: on

Network Mode: 802.11b/g/n

Channel: 2412MHz (Channel 1)

Band Width: 40MHz

Interface Configuration

General Setup Wireless Security 1

Encryption: WPA2-PSK 2 Select the way of adding

WPA-Encryption requires wpa_supplicant (for client mode) or hostapd (for AP and ad-hoc mode) to be installed.

Cipher: Force CCMP (AES)

Key Renewal Interval(seconds):

Key: 12345678 3 Fill in your WiFi password

Click on the green arrow on the right side of the box to hide or display characters.

4 Remember to click "Save&Apply".



Save & Apply

Save

Reset

9 Modify the WiFi name

MediaTek OpenWrt Status System Network Logout AUTO REFRESH ON

No password set!
There is no password set on this router. Please configure a root password to protect the web interface and enable SSH.
Go to password configuration...

Wireless Network: Client "mt7603e-80C8" (ra0)
The *Device Configuration* section covers physical settings of the radio hardware such as channel, transmit power or antenna selection which are shared among all defined wireless networks (if the radio hardware is multi-SSID capable). Per network settings like encryption or operation mode are grouped in the *Interface Configuration*.

Device Configuration

General Setup Advanced Settings HT Physical Mode

Status Mode: Client | SSID: mt7603e-80C8
0% BSSID: 00:0C:43:26:60:40 | Encryption: -
Channel: 1 (0.000 GHz) | Tx-Power: 0 dBm
Signal: 0 dBm | Noise: 0 dBm
Bitrate: 300.0 Mbit/s | Country: 00

Radio on/off: on
Network Mode: 802.11b/g/n
Channel: 2412MHz (Channel 1)
Band Width: 40MHz

Interface Configuration

General Setup Wireless Security

SSID: mt7603e-80C8 (highlighted with a red box)
Mode: Access Point
Network: lan:
 wan:
 wan6:
 create:
Choose the network(s) you want to attach to this wireless interface or fill out the *create* field to define a new network.

WMM Mode: Enable
APSDCapable: Disable

Save & Apply Save Reset

Powered by LuCI Trunk (git-755d6f1) OpenWrt Barrier Breaker unknown 100%

Wireless subscriber connection settings

If you need to use the wireless network, you have to make sure the computer is equipped with a wireless network card, unplug the cable between computer and the router, and then operate according to the following steps

Windows Vista/7

Windows Vista/Windows 7/Vista system Please perform the following steps

1

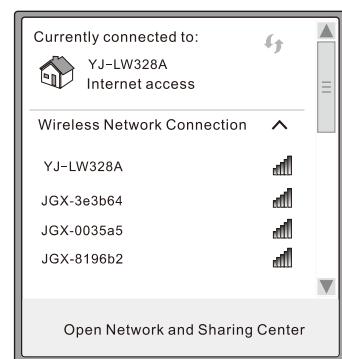
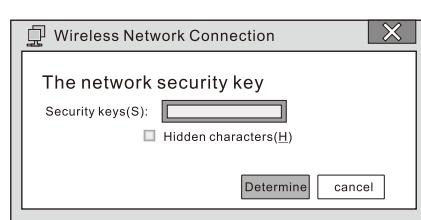
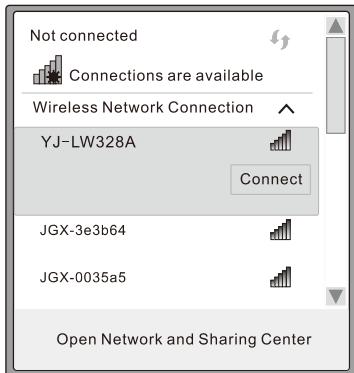
Right-click on the bottom right corner of the desktop icon , select "connect to the network" in the menu.

2

And then find the wireless network name which setup in step 4 of the wireless router configuration in the pop-up connect to internet interface, click "Connect" button.

3

Please follow the clews to enter the PSK password which setup in step 4 of the wireless router configuration, and click "OK" When it shows connected, said the computer join the network successfully.



Windows 2000/XP

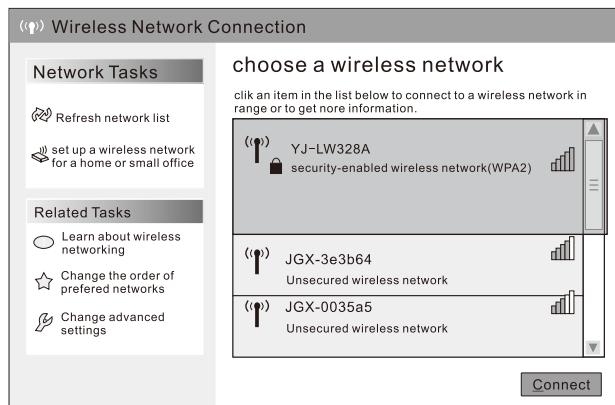
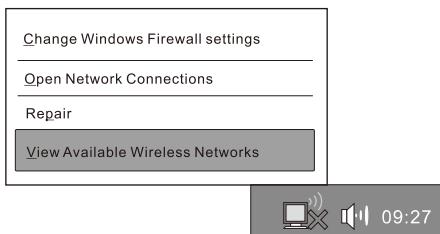
Windows 2000/Windows XP Vista system:Please perform the following steps

1

Right-click on icon of the bottom right corner of the desktop icon , select the wireless network you want to connect, click "Connect".

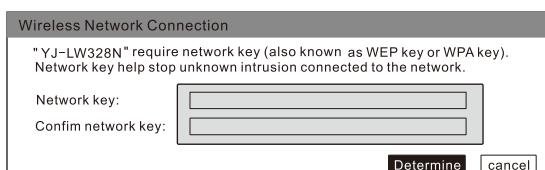
2

Input the PSK password (English characters case sensitive) which setup in step 4 of the wireless router configuration in the following space, click "OK".



3

When it shows connected, said the computer join the network successfully.



FCC STATEMENT :

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.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.

FCC Radiation Exposure Statement:

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.