

Chapter 1. Introduction

1.1. Product Overview

Equipped with next-gen Wi-Fi 6, both 5 GHz and 2.4 GHz are upgraded to the latest generation, supporting combined speeds of up to 1800 Mbps – 1201 Mbps on 5 GHz and 574 Mbps on 2.4 GHz. Game online, watch 4K videos, and crank up everything to the highest settings without lag. The router delivers exceptional range and speed, which can fully meet the need of Small Office/Home Office (SOHO) networks and the users demanding higher networking performance.

1.2. Product Appearance

1.2.1. Front Panel



The router's System LED is located on the front panel.

Status	Indication
Off	Power is off.
Green	Solid on: The router is functioning normally and the wireless networks are enabled. Flashing quickly: The WPS connection is in progress Flashing slowly: The router is starting up or upgrading.
Orange	Solid on: The wireless networks are disabled.

1. 2. 2. Rear Panel



The following items are located on the rear panel (View from left to right).

Item	Description
POWER Socket	The power socket is where you will connect the power adapter. Please use the power adapter provided with this router.
RESET/WPS Button	Press and hold this button for more than 5 seconds to reset the router. Press for 1 second to use the WPS function.
WAN Port	This port is where you will connect the router to the DSL/cable Modem, or Ethernet.
LAN Ports	These ports connect the router to the local devices.
Wireless Antennas	To receive and transmit the wireless data.
Item	Indication
WAN Port LED	Off: The WAN port is not connected. On: The WAN port is connected.
LAN Port LED	Off: The LAN port is not connected. On: The LAN port is connected.

PPPoE

If your ISP provides PPPoE connection, select **PPPoE**.

Internet
Set up an Internet connection with the service information provided by your ISP. (Internet service provider).

Internet Connection Type: **PPPoE**

Username: **admin**

Password: *********

IP Address: **0.0.0.0**

Primary DNS: **0.0.0.0**

Secondary DNS: **0.0.0.0**

▼ **Advanced Settings**

Secondary Connection: **None**

MTU Size: **1480**
The default is 1480, do not change unless necessary.

Service Name: **github**
(Leave blank unless ISP requires.)

Access Concentrator Name: **baiku**
(Leave blank unless ISP requires.)

Detect Online Interval: **12** seconds

IP Address: **Get Dynamically from ISP**

DNS Address: **Get Dynamically from ISP**

Primary DNS: **0.0.0.0**

Secondary DNS: **0.0.0.0**

Connection Mode: **On Demand**
(Disconnect after max idle time and reconnect on demand.)

Max Idle Time: **33** minutes
(0 means always connected.)

CONNECT **DISCONNECT**

- **Username/Password** - Enter the user name and password provided by your ISP. These fields are case-sensitive.
- **Secondary Connection** - It's available only for PPPoE connection. If your ISP provides an extra connection type, select **Dynamic IP** or **Static IP** to activate the secondary connection.

Chapter 2. Connect to the Internet

2.1. Position Your Router

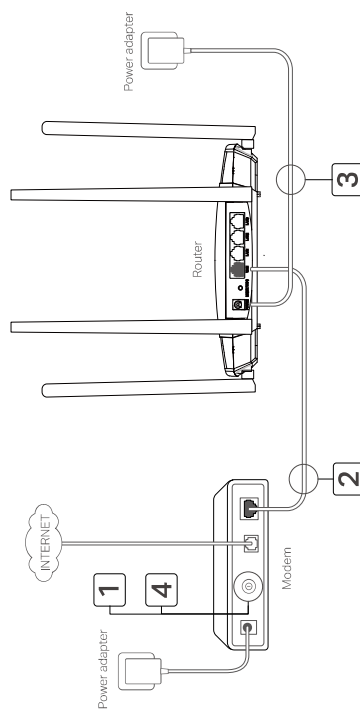
- The product should not be located in a place where it will be exposed to moisture or excessive heat.
- Place the router in a location where it can be connected to multiple devices as well as to a power source.
- Make sure the cables and power cord are safely placed out of the way so they do not create a tripping hazard.
- The router can be placed on a shelf or desktop.
- Keep the router away from devices with strong electromagnetic reference, such as Bluetooth devices, cordless phones and microwaves.

2.2. Connect to the Internet

1. Follow the steps below to connect your router.

If your Internet connection is through an Ethernet cable from the wall instead of through a DSL/Cable/Satellite modem, connect the Ethernet cable directly to the router's Internet port, then follow sub step 4) to complete the hardware connection.

*Image may differ from actual product.



- 1) Turn off the modem, and remove the backup battery if it has one.
- 2) Connect the modem to the router's WAN port with an Ethernet cable.
- 3) Turn on the modem, and then wait about **2 minutes** for it to restart.
- 4) Turn on the modem..

2. Connect your computer to the router.
 - **Method 1: Wired**
Turn off the Wi-Fi on your computer and connect your computer to the router's LAN port using an Ethernet cable.
 - **Method 2: Wirelessly**
 - 1) Find the SSID (Network Name) and wireless password printed on the label at the bottom of the router.
 - 2) Click the network icon of your computer or go to Wi-Fi Settings of your smart device, then select the SSID and enter the wireless password to join the network.
3. Enter <http://mwlogin.net> in the address bar of a web browser. Create a password to log in.

Note:
If the login window does not appear, please refer to the [FAQ](#) section.
4. Follow the **Quick Setup** to set up the internet connection.
5. **Enjoy!** For wireless devices, you may have to reconnect to the wireless network if you have customized the SSID (wireless name) and password during the configuration.

Click **RELEASE** to release the IP parameters.

- **MTU Size** – The normal MTU (Maximum Transmission Unit) value for most Ethernet networks is 1500 Bytes. It is not recommended that you change the default MTU size unless required by your ISP.
- **Host Name** – This option specifies the name of the router.
- **Get IP with Unicast DHCP** – A few ISPs' DHCP servers do support the broadcast applications. If you cannot get the IP address normally, you can choose this option (it is rarely required).

Static IP

If your ISP provides a static or fixed IP address, subnet mask, default gateway and DNS setting, please select **Static IP**.

- **IP Address** – Enter the IP address in dotted-decimal notation provided by your ISP.
- **Subnet Mask** – Enter the subnet mask in dotted-decimal notation provided by your ISP. Normally 255.255.255.0 is used as the subnet mask.
- **Default Gateway** – Enter the gateway IP address in dotted-decimal notation provided by your ISP.
- **Primary/Secondary DNS** – (Optional) Enter one or two DNS addresses in dotted-decimal notation provided by your ISP.
- **MTU Size** – The normal MTU (Maximum Transmission Unit) value for most Ethernet networks is 1500 bytes. It is not recommended that you change the default MTU size unless required by your ISP.

- **Status** - Indicates whether the router has been connected to the internet.
- **Internet Connection Type** - Indicates the way in which your router is connected to the internet.
- **IP Address** - The WAN IP address of the router.
- **Subnet Mask** - The subnet mask associated with the WAN IP address.
- **Default Gateway** - The Gateway currently used is shown here. When you use Dynamic IP as the internet connection type, click **Renew** or **Release** here to obtain new IP parameters dynamically from the ISP or release them.
- **Primary & Secondary DNS** - The IP addresses of DNS (Domain Name System) server.
- **LAN** - This field displays the current settings of the LAN, and you can configure them on the **Advanced > Network > LAN page**.
 - **MAC Address** - The physical address of the router.
 - **IP Address** - The LAN IP address of the router.
 - **Subnet Mask** - The subnet mask associated with the LAN IP address.
- **DHCP Server** - This field displays the current settings of DHCP (Dynamic Host Configuration Protocol) Server, and you can configure them on the **Network > DHCP Server page**.
 - **DHCP Server** - Indicates whether the DHCP server is enabled or disabled. It is enabled by default and the router acts as a DHCP server.
 - **IP Address Pool** - The IP address range for the DHCP server to assign IP addresses.
- **Dynamic DNS** - This field displays the current settings of the Dynamic DNS (Domain Name System), and you can configure them on the **Advanced > Network > Dynamic DNS page**.
 - **Service Provider** - The Dynamic DNS service provider you have signed up for.
 - **Host Name** - The Domain Name you have entered in the Dynamic DNS page.
 - **Status** - The status of the Dynamic DNS service connection.

4. 2. 2. Internet

1. Visit <http://mwlogin.net>, and log in with the password you set for the router.
2. Go to **Advanced > Network > Internet**.
3. Set up the internet connection and click **SAVE**.

Dynamic IP

If your ISP provides the DHCP service, please select **Dynamic IP**, and the router will automatically get IP parameters from your ISP.

Click **RENEW** to renew the IP parameters from your ISP.

Chapter 3. Log In to the Router

This chapter introduces how to log in to the web management page of the router.

With the web-based utility, it is easy to configure and manage the router. The web-based utility can be used on any Windows, Macintosh or UNIX OS with a Web browser, such as Microsoft the Internet Explorer, Mozilla Firefox or Apple Safari.

Follow the steps below to log in to your router.

1. Set up the TCP/IP Protocol in Obtain an IP address automatically mode on your computer.
2. Visit <http://mwlogin.net>, create a password to log in.



Create an administrator password

For security purposes, create a local password for login before starting the quick setup.

New Password:

Confirm Password:

Let's Get Started

Note:

If the login window does not appear, please refer to the [FAQ](#) section.

Chapter 4. Configure the Router in Wireless Router Mode

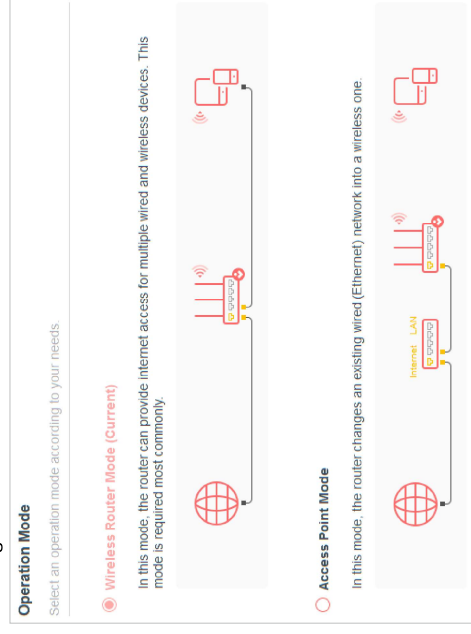
This chapter presents how to configure the various features of the router working as a wireless router.

It contains the following sections:

- [Operation Mode](#)
- [Network](#)
- [Wireless](#)
- [NAT Forwarding](#)
- [Parental Controls](#)
- [QoS](#)
- [Security](#)
- [VPN Server](#)
- [IPv6](#)
- [System](#)

4. 1. Operation Mode

1. Visit <http://mwlogin.net>, and log in with the password you set for the router.
2. Go to **System** > **Operation Mode**.
3. Select the working mode as needed and click **SAVE**.



4. 2. Network

4. 2. 1. Status

1. Visit <http://mwlogin.net>, and log in with password you set for the router.
2. Go to **Advanced** > **Network** > **Status**. You can view the current status information of the router.



- **Internet** - This field displays the current settings of the internet, and you can configure them on the **Advanced** > **Network** > **Internet** page.