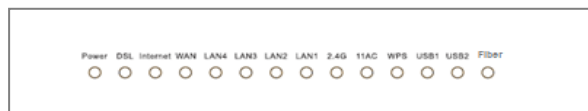


1 Indicators and Interfaces

1.1 Front Panel LED indicators



Indicator	Color	Status	Description
Power	Green	On	The device is powered on and the device operates normally.
		Blink	The software is upgrading.
		Off	The device is powered off.
	Red	On	The device is initiating.
		Blink	The software is upgrading.
DSL	Green	On	DSL link has established.
		Blink	The DSL line is training.
		Off	Device is powered off.
Internet	Green	On	Internet is synchronized successfully in the route mode.
		Blink	Internet data is being transmitted.
		Off	Ethernet interface is disconnected.
	Red	On	Authentication has failed.
WAN	Green	On	The Ethernet interface is connected.
		Blink	Data is being transmitted through the Ethernet interface.
		Off	The Ethernet interface is disconnected.
LAN 4/3/2/1	Green	On	The Ethernet interface is connected.
		Blink	Data is being transmitted through the Ethernet interface.
		Off	The Ethernet interface is disconnected.
2.4G	Green	On	WLAN is enabled.
		Blink	Data is being transmitted through the wireless interface.
		Off	WLAN is disabled.
5G	Green	On	WLAN is enabled.
		Blink	Data is being transmitted through the wireless interface.
		Off	WLAN is disabled.
WPS	Green	On	Connection succeeds under Wi-Fi Protected Setup.
		Blink	Negotiation is in progress under Wi-Fi Protected Setup.

Indicator	Color	Status	Description
		Off	Wi-Fi Protected Setup is disabled.
USB1	Green	On	The connection of 3G or USB flash disk has established.
		Blink	Data is being transmitted.
		Off	No signal is detected.
USB2	Green	On	The connection of 3G or USB flash disk has established.
		Blink	Data is being transmitted.
		Off	No signal is detected.
Fiber	Green	On	The Fiber interface is connected.
		Blink	Data is being transmitted through the Fiber interface.
		Off	The Fiber interface is disconnected.

1.2 Rear Panel and Side Panel

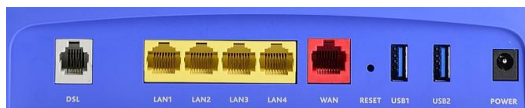


Figure 1 Rear panel



Figure 2 Side panel

The following table describes the interfaces or the buttons.

Interface	Description
DSL	RJ-11 port: Connect the router to DSL connector or splitter through telephone cable.
LAN 4~1	RJ-45 port, for connecting the router to a PC or another network device.
Reset	Press the button for at least 1 second and release it. System restores the factory default .
USB 1~2	For connecting the 3G network adapter or other USB storage devices.
Power	Power interface, for connecting the power adapter.
On/Off	Power switch.
5G	Key reuse, Press the button for less than 5 second and then release it, enable or disable the 802.11ac function; press the button for more than 5 second and then release it, enable WPS PBC mode., if WPS is enabled, the wireless router starts to accept the negotiation of PBC mode.

Interface	Description
2.4G	Key reuse, Press the button for less than 5 second and then release it, enable or disable the 802.11n function; press the button for more than 5 second and then release it, enable WPS PBC mode., if WPS is enabled, the wireless router starts to accept the negotiation of PBC mode.

2 Hardware Connection

2.1 DSL Uplink Connection

Step 1 Connect the **DSL** port of the router

The splitter has 3 ports:

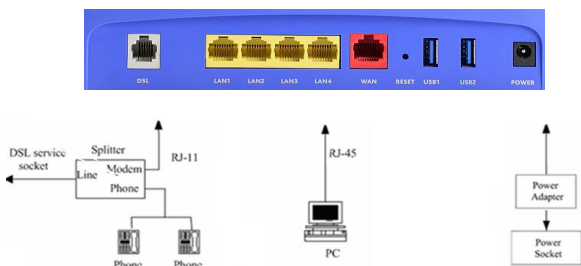
- **Line:** Connect to a wall phone jack (RJ-11 jack)
- **Modem:** Connect to the Line interface of the router
- **Fiber:** Connect to the optical module

Step 2 Connect the **LAN** port of the router to the network card of the PC through an Ethernet cable.

Step 3 Plug the power adapter to the wall outlet and then connect the other end of it to the **Power** port of the router.

Step 4Note:

If you use 3G WAN service, connect the 3G USB data card to the **USB** port of the router. The following figure displays the connection of the DSL router, PC,



3 PC Network Configuration

3.1 Windows XP System

- 1 Choose **Start > Control Panel > Network Connections**.

- 2 Right-click the Ethernet connection icon and choose **Properties**.
- 3 On the **General** tab select the **Internet Protocol (TCP/IP)** component and click **Properties**. The Internet Protocol (TCP/IP) Properties window appears.
- 4 Select the **Obtain an IP address automatically** button.
- 5 Select the **Obtain DNS server address automatically** button.
- 6 Click **OK** to save the settings.

3.2 Win7 System


● Set a fixed IP address

- 1 Choose **Start > Control Panel > Network and Internet > Network and Sharing Center**.
- 2 Choose **Change Adapter Settings > Local Area Connection**. Right-click **Local Area Connection**, and choose **Properties**.
- 3 Double-click **Internet Protocol Version 4 (TCP/IPv4)**.
- 4 Select **Use the following IP address**, set the IP address on the network segment of 192.168.1.x (x can be any number from 2 to 255), and then click **OK** to go back to the previous page.

● Obtain an IP address automatically

- 1 Choose **Start > Control Panel > Network and Internet > Network and Sharing Center**.
- 2 Choose **Change Adapter Settings > Local Area Connection**. Right-click **Local Area Connection**, and choose **Properties**.
- 3 Double-click **Internet Protocol Version 4 (TCP/IPv4)**.
- 4 Select **Obtain an IP address automatically** and **Obtain DNS server address automatically**, and then click **OK**.

3.3 MAC OSX System

- 1 Click  icon on the upper left corner to display the hidden menu.
- 2 Choose **System Preferences**.
- 3 Click **Network** icon.

By default the automatic wired connection is Ethernet DHCP. If DHCP of the repeater is enabled, you can use this connection without IP address configuration. Click **Apply** to finish setting.

If DHCP is disabled, you have to configure the IP address manually. Enter the IP address, for example, 192.168.1.2, and then click **Apply** to finish the configuration.

Note:

It is suggested to disable the Wi-Fi before configuring the wired connection.

3.4 Wireless Connection


☒ For XP and Win7 system

- 1 Turn on the Router. The WLAN is enabled by default.
- 2 Enable the wireless network adapter on your PC and ensure that the **Wireless Zero Configuration** tool is available. Right-click the **Wireless Network Connection** icon and choose **View Available Wireless Networks** from the menu.
- 3 In the **Wireless Network Connection** page, click **Refresh network list** and the network list is refreshed. Select the SSID of the router and enter the password.

● For MAC OSX system

Two methods are available to the wireless configuration.

- General Configuration

- 1 Click  icon on the upper left corner.
- 2 Choose **System Preferences**.
- 3 Click **Network** icon.
- 4 Click the Status check box to turn Wi-Fi on, select the SSID from the wireless network list, and then click **Apply**.
- 5 Enter the password and click **Join**.

- Quick Configuration

- 1 Click the Wi-Fi icon on the top of desktop and select **Turn Wi-Fi on**.
- 2 Select the SSID from the wireless network list and click **Apply**.
- 3 Enter the password and click **Join**.
- 4 **Login in**
 - 1 Open the Internet browser and enter **http://192.168.1.1**.
 - 2 In the **Login** page enter the user name (**admin**) and password (**admin**) and click **Login**. Then you can start the web configurations.