EchoLife HG8145V GPON Terminal
Instruction

Version HG8145V

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1. HG8145V Router power status

Power PON LOS TEL USB LAN1 LAN2 LAN3 LAN4 WLAN WPS

1   2   3   4   5   6   7   8

Status No.	Indicator	Status	Description
1	POWER	Steady green	The terminal is powered on.
		Off	The power supply is cut off.
2-3	PON	LOS	
	Off	Off	The GPON terminal is prohibited by the upper-layer device, contact the service provider for help.
	Blinks twice a second	Off	The GPON terminal attempts to set up a connection with its upper-layer device.
	Steady on	Off	A connection is set up between the GPON terminal and its upper-layer device.
	Off	Blinks once two seconds	The GPON terminal is not connected to optical fibers or does not receive optical signals.
	Blinks twice a second	Blinks twice a second	The GPON terminal is a rogue terminal, contact the service provider for help.
	Blinks once two seconds	Blinks once two seconds	The hardware is faulty.
4	TEL	Steady on	The terminal is registered with the softswitch but no service flows are transmitted.
		Blinking	Service flows are transmitted.
		Off	The terminal is not powered on or fails to be registered to the softswitch.
5	USB	Steady on	The USB port is connected and is working in the host mode, but no data is transmitted.
		Blinking	Data is being transmitted on the USB port.
		Off	The USB port is not connected.
6	LAN1-LAN4	Steady on	The Ethernet connection is in the normal state.
		Blinking	Data is being transmitted on the Ethernet port.
		Off	The Ethernet connection is not set up.
7	WLAN	Steady on	The WLAN function is enabled.
		Blinking	Data is being transmitted on the WLAN port.
		Off	The WLAN function is disabled.
8	WPS	Steady on	The WPS function is enabled.
		Blinking	A Wi-Fi terminal is accessing the system.
		Off	The WPS function is disabled.

2. Internet connection Settings

There are 2 type to set the Internet connection

Type 1. Shortcut

Step 1 Open the Internet Explorer (IE) browser and enter http://192.168.1.1/3bb.

Step 2 In the Quick Configuration page that is displayed, enter the username, password (for surf internet) and validate code.

After finishing, click Save to apply the internet settings.

Step 3 In the Quick Configuration page appears pop-up "Save Completed", click OK to close this page.

Step 4 In the Quick Configuration page that is displayed, click Close to close this page.

Type 2. General

Step 1 Open the Internet Explorer (IE) browser and enter http://192.168.1.1.

Step 2 In the login window, enter the username, password (see the device nameplate for the default username and password Last 4 digit of Mac address) and validate code.

Step 3 Click Login. After the password is authenticated, the Web configuration window is displayed.

Note.

- If you do not perform any operations after logging in to the system for five minutes, you will exit the system and the system automatically returns to the login interface.

- The system will be locked if you input incorrect username and password three consecutive times. One minute later, it will be unlocked.

3. WAN , Wireless Settings
3.1 Configure IP Address of Network Card
Configure TCP/IP properties of your network card to Obtain an IP address automatically from ONT, or set the IP address of the computer with the same network mask of the ONT. Then go to step **2. Web configuration Type 1. Shortcut to access the internet**
3.2 Wireless Settings
- Click **WLAN(1)** --> Click **2.4G Basic Network Settings(2)** or **5G Basic Network Settings(3)**
  (You can choose to set both or just one signal)
The default SSID Configuration Details Setting.
- Tick ☑ **Enable WLAN(4)** to fill in setting information.
- **SSID Name(5)** ; set the name that you want (not more than 32 characters)
- **Number of Associaled Device(6)** ; You can set maximum 32 Associaled Device
- **WPA pre-shared key(7) ;** set the password that you want (8-63 characters)
- Click **Apply (8)**
- After finishing, enter URL Website access to Internet.

4. Hardware Installations

Step 1 Use an optical fiber to connect the optical port on the ONT.

   Note.

   - The optical connector connected to the OPTICAL port is an SC/UPC connector.

   - To ensure normal use of fibers, make sure that the fiber bend radius is larger than 30 mm.

Step 2 Use a network cable to connect the LAN port to an Access Point.

Step 3 Use a phone line to connect the TEL port to a phone or fax machine.

Step 4 Use a power adapter to connect the POWER port to the power socket.

   Note.

   Do not use any power adapters that are not in the standard configuration. Otherwise, the device may be abnormal or unsafe.

Step 5 Use a USB data cable to connect the USB port to the USB storage device.
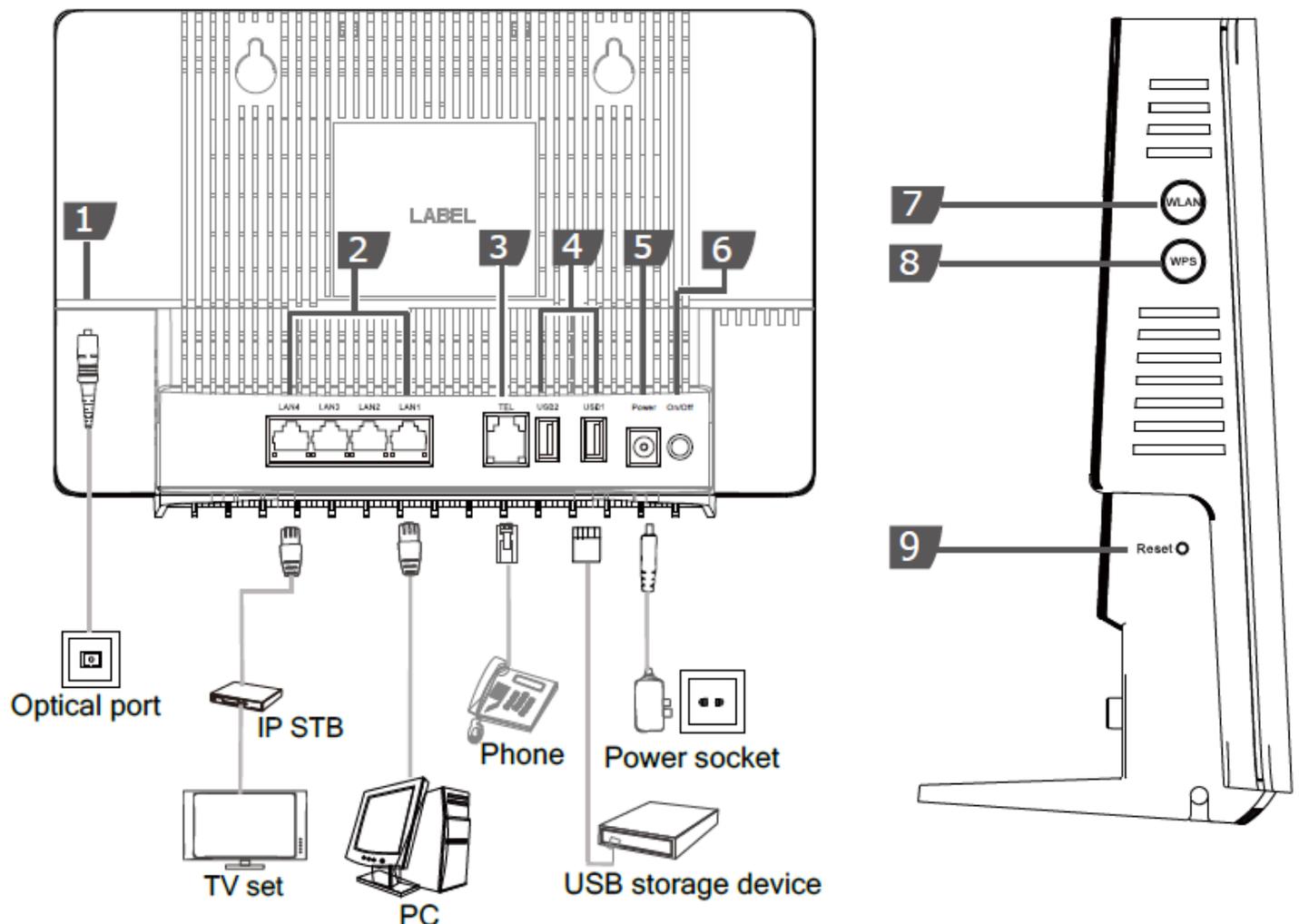
Step 6 Press the ON/OFF power switch.

Step 7 Press the WLAN switch to enable the Wi-Fi access function. By default, this function is enabled.

Step 8 Press the WPS switch to enable the WPS encryption function.

   Note.

   Before enabling the WPS encryption function of a GPON terminal, ensure that the function is set in the system software in advance. After successful setting, press the WPS switch for the settings to take effect.

The connections between the HG8145V and other devices are shown as follows.

The following table describes the interface of the device:

No.	Port/Button	Description
1	OPTICAL	The optical port is equipped with a rubber plug and is connected to an optical fiber for transmission.
2	LAN	Ethernet RJ-45 interface connecting to an Access Point.
3	TEL	Indicates VoIP telephone ports (RJ-11), used to connecting to the ports on telephone sets.
4	USB	USB host port, used to connect to USB storage devices.
5	Power	Interface connecting to the power adapter.
6	ON/OFF	Push to power on/off the device.
7	WLAN switch	The WLAN button, used to enable or disable the WLAN function. By default, this function is enabled.
8	WPS switch	The WPS button, used to enable or disable the Wi-Fi Protected Setup switch. Ensure that the function is set in the system software in advance. After successful setting, press the WPS switch for the settings to take effect.
9	Reset	Press the button for a short time to reset the device; press the button for a long time (longer than 10s) to restore the device to the default settings and reset the device.

5. Technical Specifications
- Power adapter input: 100–240 V AC, 50–60 Hz
- System power supply: See the nameplate on the device.
- Ambient temperature: 0ºC to +40ºC
- Ambient humidity: 5%–95% (non-condensing)
- GPON Terminal : HG8145V
- Weight (Including the Power Adapter) : About 1500 g
- Maximum System Power Consumption : ≤ 18.5 W

6. Product Overview

Product	Function
HG8145V	- 4 Gigabit Ethernet ports
	- 1 POTS port
	- 2 USB ports
	- 2.4G(2*2MIMO)+5G(2*2MIMO)

7. Packing List
The following table lists the items in the product package.

Item	Quantity
GPON Terminal	1
Power Adapter	1
Ethernet Cable	1
Quick Start	1

Note.
If you find anything missing or damaged, contact the service provider.