



HG658 Home Gateway

User Guide



HG658 Home Gateway
V100R001

User Guide

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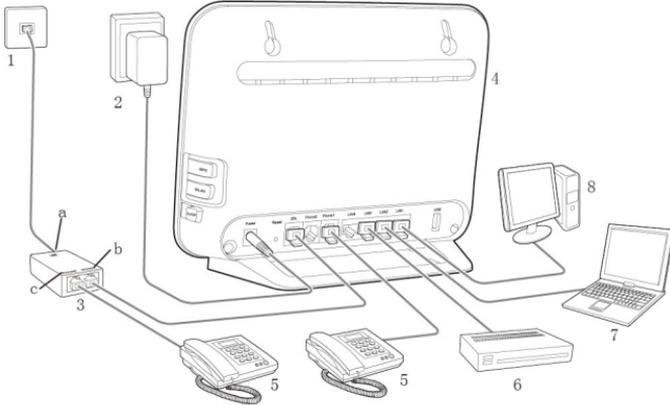
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1 Connecting Cables and Getting Started

Thank you for purchasing the HG658 Home Gateway (HG658 for short).

1.1 Connecting Cables

The following figure shows an example of how to connect the cables. In this example, the HG658 is connected to a set-top box, desktop computer, laptop computer, and two telephones.



- | | | |
|-----------------------|--------------------|---------------|
| 1 Telephone wall jack | 2 Power adapter | 3 Splitter |
| 4 HG658 | 5 Telephone | 6 Set-top box |
| 7 Laptop computer | 8 Desktop computer | a LINE port |
| b MODEM port | c PHONE port | |

1.2 Powering On the HG658

After connecting the cables, press the **On/Off** button on the side panel to power on the HG658.

After you power on the HG658, the **WAN** indicator light blinks (for less than three minutes), indicating that the HG658 is being activated. Once activated, the **WAN** indicator light remains steady on. The **Power** indicator also remains steady on, indicating that the HG658 is working properly.



To power off the HG658, press the **On/Off** button again, and then unplug the power adapter.

2 Setting Network Access Parameters

2.1 Logging in to the Web-based Configuration Utility

Most parameters of the HG658 are pre-set before delivery to meet common home application scenarios. To check the HG658's working status or configure certain advanced network functions, use the web-based configuration utility.

To log in to the web-based configuration utility:

- Step 1** Open a browser on your computer. Enter **http://192.168.1.1** in the address box, and then press **Enter**.
- Step 2** On the login page, enter your user name (**user** by default) and password (**HuaweiUser** by default).



For safety or convenience reasons, you can change the user name and password for the web-based configuration utility. For details, see section 5.1 "Changing the User Name and Password for the Web-based Configuration Utility".

If the user name and password are changed, you must use the new user name and password to log in.

- Step 3** Click **Login**.

After the system verifies your account information, the web-based configuration utility is displayed.



The first time you log in to the web-based configuration utility, a setup wizard is displayed. To skip the wizard and go immediately to the HG658 configuration page, click **Advance**.

2.2 Using the Setup Wizard

After logging in to the web-based configuration utility, you can use the setup wizard to quickly configure the HG658.

When you configure the HG658 for the first time, the setup wizard page is displayed automatically after logging in to the utility.



If you have configured the HG658 before and you log in to the web-based configuration utility, the setup wizard page will not be displayed. However, you can still click **Setup Wizard** in the upper right corner to display the setup wizard page.

To configure the HG658 through the setup wizard:

Step 4 Log in to the web-based configuration utility. When the **Wizard** page is displayed, click **Next**.

Step 1 Set **WAN device** based on your network type, enter the user name and password that are provided by your Internet Service Provider (ISP) in the **User name** and **Password** text boxes, and then click **Next**.



If you can access the Internet without the PPPoE dial-up operation, skip Step 2 and configure the WLAN parameters directly.

Step 2 Set WLAN parameters, and then click **Next**.



Check the label on the HG658's rear panel for the **SSID** and **WPA pre-shared key**. You can configure the **SSID** and **WPA pre-shared key** by choosing **Basic** > **WLAN**. For details, see section 5.4 "Changing the Wireless Network Name and Password".

Step 3 Click **Submit**.

3 Setting Up a Wireless Connection

If a wireless network adapter is installed on your computer, you can connect your computer to the HG658 over a wireless connection.



The method for installing the wireless adapter and its driver varies by vendor. For details, see the installation guide provided by the vendor of your wireless adapter.

The wireless network function is enabled on the HG658 before delivery. To check the function status, see section 5.3 "Enabling or Disabling the Wireless Network Function".

There are two methods for setting up a wireless connection between the HG658 and your computer.

3.1 Setting up a Wireless Connection Using the WPS Button

The HG658 supports the Wi-Fi Protected Setup (WPS) function in Push Button Configuration (PBC) mode. If your wireless network adapter also supports the WPS function, do the following to connect your computer to the HG658 over a wireless connection:

Step 1 Press and hold the **WPS** button (on the HG658 side panel) for 1 or more seconds.

The **WLAN** indicator light on the HG658 starts blinking, indicating that the HG658 is in the WPS negotiation state.

Step 2 Enable the WPS negotiation function on the computer within 2 minutes of the previous step.

Wait until the HG658 **WLAN** indicator light stops blinking and remains steady on. This indicates that a wireless connection is set up between the HG658 and the computer.