



EchoLife HG620 Home Gateway

User Guide



EchoLife HG620 Home Gateway
V100R001

User Guide

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1 Safety Precautions

Thank you for purchasing the EchoLife HG620 Home Gateway (hereinafter referred to as the HG620).

For safety purposes, carefully read through these safety precautions and observe them during operation.

Basic Requirements

- Keep the device dry during storage, transportation, and operation of the device.
- Prevent collision of the device with other objects during storage, transportation, and operation of the device.
- Do not attempt to dismantle the device. In case of any fault, contact the authorized maintenance center for assistance or repair.
- Without prior written consent, no organization or individual is permitted to make any change to the structure, safety, and performance design of the device.
- While using the device, observe all applicable laws, directives and regulations, and respect the legal rights of other people.

Environmental Requirements

- Place the device in a well-ventilated place. Do not expose the device to direct sunlight.
- Keep the device clean, free of dust and stain.
- Do not place the device near a water source or in a damp area.
- Place the device on a stable surface.
- Do not place any object on the top of the device. Reserve a minimum space of 10 cm at the four sides and on the top of the device for heat dissipation.
- Do not place the device on or near inflammable materials such as foam.
- Keep the device away from heat source or fire, such as a radiator or a candle.
- Keep the device away from any household appliances with strong magnetic field or electric field, such as microwave oven, refrigerator, or mobile phone.

Operation Requirements

- Do not allow children to play with the device or accessories. Swallowing the accessories may be fatal.

- Use the accessories such as the power adaptor provided or authorized only by the manufacturer.
- Make sure that the device does not get wet. If water gets into the device, disconnect the power supply immediately and unplug all the cables connected to the device.
- The power supply of the device must meet the requirements of the input voltage of the device.
- Before plugging or unplugging any cable, shut down the device and disconnect the power supply.
- While plugging or unplugging any cable, make sure that your hands are dry.
- Do not step on, pull, or stretch any cable. Otherwise, the cable may get damaged, leading to malfunction of the device.
- Do not use old or damaged cables.
- Keep the power plug clean and dry, to prevent electric shock or other dangers.
- During lightning, disconnect the device from the power supply and unplug all the cables connected to the device, such as the power cable, telephone cable, and RF cable, to prevent lightning strike.
- If the device is not used for a long time, disconnect the power supply and unplug the all the cables connected to the device.
- If smoke, sound, or smell is emitted from the device, stop using the device immediately, disconnect the power supply, unplug the power supply and other cables, and remove the batteries. Contact the authorized maintenance center for repair.
- Make sure that no object (such as metal shavings) enters the device through the heat dissipation vent.
- Do not scratch or abrade the shell of the device. The shed painting may lead to skin allergy or malfunctions of the device. If the shed painting material drops into the host, a short circuit may occur.

Cleaning Requirements

- Before cleaning the device, stop using it, disconnect the power supply, and unplug all the cables connected to the device.
- Do not clean the device cover with any cleaning solution or cleanser spray. Use a piece of soft cloth to clean the device cover.

Environmental Protection

Do not dispose the abandoned device or battery in a garbage can. You need to dispose it according to the local regulations on disposing of device packing materials, exhausted battery and abandoned device, and support the recycling activity.

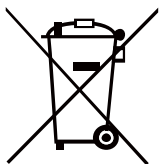
Wireless Product Usage Requirements

- Keep the device away from magnetic storage devices (e.g., a magnetic card or a floppy disk), to prevent loss of the stored information.
- Stop using the device or disconnect the power supply in situations where wireless device is prohibited or using of a wireless device leads to interference or danger.
- The user who uses an electronic assistant medical-treatment device needs to confirm with the service center regarding the effects of the radio wave on this device.
- Do not take the device to the operation theater, Intensive Care Unit (ICU) or the Coronary Care Unit (CCU).
- When using the device maintain distance of 20 cm between your body and the antenna of the device.
- In the area with inflammable or explosive materials, turn off your wireless device, and follow the relevant instructions given in the label, to prevent explosion or fire.
- Protect the wireless device and its accessories, and use it in a clean and dust-free environment. Make sure that the wireless device does not come in contact with flame or a cigarette that is lit.
- Make sure that the wireless device and its accessories are dry.
- Do not drop, throw or try to bend your wireless device.
- Do not place the wireless device and its accessories in high temperature areas.
- Disposal and Recycling Information

This symbol on the device (and any included batteries) indicates that they should not be disposed of as normal household garbage. Do not dispose of your device or batteries as unsorted municipal waste. The device (and any batteries) should be handed over to a certified collection point for recycling or proper disposal at the end of their life.

For more detailed information about the recycling of the device or batteries, contact your local city office, the household waste disposal service, or the retail store where you purchased this device.

The disposal of this device is subject to the Waste from Electrical and Electronic Equipment (WEEE) directive of the European Union. The reason for separating WEEE and batteries from other waste is to minimize the potential environmental impacts on human health of any hazardous substances that may be present.



EU Regulatory Conformance

Notice

This equipment may be operated in all European countries.

Safety Precaution

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons.

Hereby, Huawei Technologies Co., Ltd., declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. The declaration of conformity may be consulted at www.huaweidevice.com/certification.

CE0678

France: Outdoor use limited to 10 mW e.i.r.p. within the band 2454-2483.5 MHz.

Italy: For private use, a general authorisation is required if WAS/RLAN's are used outside own premises. For public use, a general authorisation is required.

Luxembourg: General authorisation required for network and service supply.

Norway: This subsection does not apply for the geographical area within a radius of 20 km from the centre of Ny-Ålesund.

FCC Statement

Federal Communications Commission (FCC) Interference Statement

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 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.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

FCC Radiation Exposure Statement

This equipment 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.

The equipment complies with FCC RF exposure limits set forth for an uncontrolled environment. The equipment must not be co-located or operating in conjunction with any other antenna or transmitter.

Changes or modifications made to this equipment not expressly approved by Huawei Technologies Co.,Ltd. may void the FCC authorization to operate this equipment.

Channel

This equipment marketed in USA is restricted by firmware to only operate on 2412~2462MHz channel 01~11.

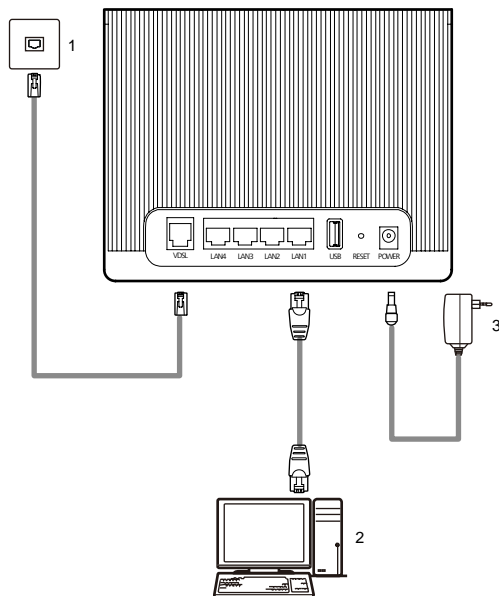


After the HG620 is used for a certain period of time, the cover will be heated, which will not affect the function of the HG620.

2 Connecting the Cables and Getting Started

2.1 Simple Connection

If your telephone line is used for the broadband network access only and if you do not need to use a telephone, take the following figure as a reference for connecting the cables.



1. Telephone jack on the wall

2. Computer

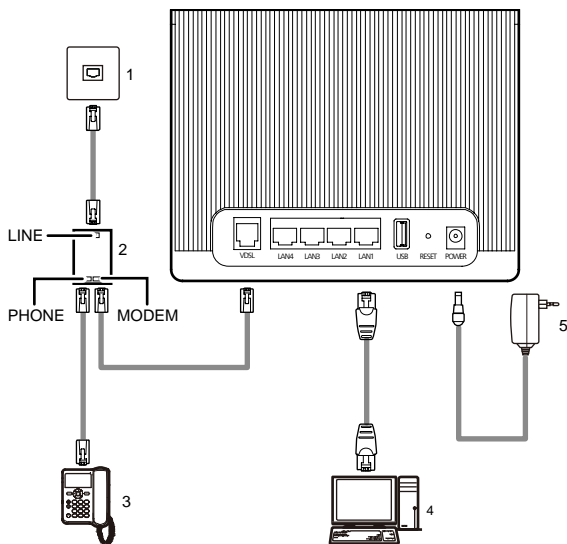
3. Power adapter



If the wireless network function is used on the HG620 for the network access, you do not need to connect the cables.

2.2 Connecting One Telephone

If your telephone line is used for both the broadband network access and a telephone connection, take the following figure as a reference for connecting the cables.



1. Telephone jack on the wall

3. Telephone

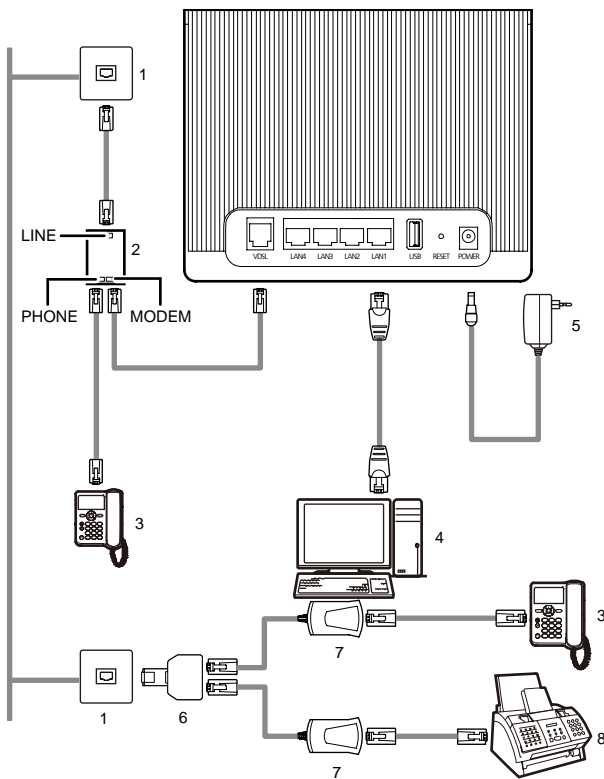
5. Power adapter

2. Splitter

4. Computer

2.3 Connecting Multiple Telephones

If your telephone line is used for the broadband network access, telephone connections, and fax connections, take the following figure as a reference for connecting the cables.



- | | | | |
|-------------------------------|----------------|----------------|----------------|
| 1. Telephone jack on the wall | 2. Splitter | 3. Telephone | 4. Computer |
| 5. Power adapter | 6. T connector | 7. Microfilter | 8. Fax machine |

2.4 Getting Started

To power on the HG620, press the ON/OFF button on the side panel of the HG620.

After you power on the HG620, the ADSL indicator blinks (for less than three minutes), which indicates that the HG620 is being activated. Later, the ADSL indicator turns solid on. The POWER indicator is also solid on, which indicates that the HG620 is working properly.

3 Setting the Network-Access Parameters

By configuring the HG620 and your computer, you can choose any of the following methods to surf the Internet:

- Accessing the Network Through the Embedded PPP Dial-Up Software on the HG620
- Accessing the Network Through the PPP Dial-Up Software on Your Computer

3.1 Accessing the Network Through the Embedded PPP Dial-Up Software on the HG620

If you select this method for accessing the network, the HG620 starts to set up a dial-up connection automatically after the startup. You can access the network after you power on your computer. You do not need to install any special dial-up software on your computer or perform dial-up operations on your computer. To configure the HG620 and your computer for the network access, do as follows:

Step 1 Log in to the Web-based configuration utility of the HG620.

1. Launch the Internet Explorer on your computer. Enter **http://192.168.1.1** in the address bar, and then press **Enter**.
2. In the displayed dialog box, enter the user name and the password, and then click **OK**.

By default, both the user name and the password are **admin**. After the user name and the password are verified, you can access the Web-based configuration utility.

Step 2 Configure the ATM PVC.

1. In the navigation tree, choose **Basic > ATM**.
2. Enter **VPI/VCI** provided by the ISP.
3. Set **DSL link type** to **EoA**.
4. Click **Submit**.

Step 3 Set WAN parameters.

1. In the navigation tree, choose **Basic > WAN**.
2. Select a PVC from the **Layer2 interface** drop-down list box.

Note:

- The name of this PVC should begin with **atm**.
 - The DSL link type of this ATM PVC should be EoA.
3. Select **Enable** for WAN connection.
 4. Select a service from the **Service list** drop-down list box.
 5. Set **Port binding** to **LAN1** or **LAN2**.
 6. Select **Route** from the **Connection mode** drop-down list box.
 7. Set Connection type to **PPPoE**.
 8. Enter the **user name** and **password** provided by the ISP.
 9. Select the authentication mode provided by the ISP.
 10. Select a dialing method, and then click Submit.

Step 4 Set LAN parameters.

1. In the navigation tree, choose **Basic > LAN**.
2. Set the IP address and subnet mask of the LAN connection.
3. Select **Enable** for **DHCP server**, and then set the corresponding parameters.
4. Click **Submit**.

After you complete the preceding settings, you can surf the Internet.

You need to perform the preceding operations on a computer once only. The next time when you power on your computer, you can surf the Internet without any configuration.

3.2 Accessing the Network Through the PPP Dial-Up Software on Your Computer

If you select this method for accessing the network, you need to install and configure the dial-up software on your computer. In addition, you need to perform dial-up operations on your computer upon each startup. To configure the HG620 and your computer for the network access, do as follows:

Step 1 Set the working mode of the HG620 to **Bridge**.

For details, refer to the procedure for enabling the embedded dial-up function described in Step 3 in section 3.1 "Accessing the Network Through the Embedded PPP Dial-Up Software on the HG620." Note that **Bridge** is selected from the **Connection mode** drop-down list box.

Step 2 Install and configure the PPP dial-up software on your computer.

The PPP dial-up software is pre-installed on certain computer operating systems. To create a dial-up connection, do as follows (taking the Windows XP operating system as an example):

1. Choose **Start > All Programs > Accessories > Communications > Network Connections**.
2. Click **Create a new connection** in **Network Tasks** to display the **New Connection Wizard** window, and then click **Next**.
3. Select **Connect to the Internet**, and then click **Next**.
4. Select **Set up my connection manually**, and then click **Next**.
5. Select **Connect using a broadband connection that requires a user name and password**, and then click **Next**.
6. Enter the name (as desired) of the dial-up connection in **ISP Name**, and then click **Next**.
7. Select **Anyone's use** or **My use only**, and then click **Next**.
8. Enter the user name and password provided by the network operator and used for the dial-up connection, and then click **Next**.
9. Select **Add a shortcut to this connection to my desktop**, and then click **Finish**.

An icon for the dial-up connection is displayed on the desktop of your computer.

You need to perform the preceding operations only once for creating a network connection. After the network connection is created, to access the network, double-click the icon for the dial-up connection, and then click **Connect** in the displayed dialog box.

4 Configuring the Wireless Network Connection

If a wireless network adapter is installed on your computer, you can connect your computer to the HG620 through a wireless connection. To configure the wireless network connection, do as follows:

Step 1 Log in to the Web-based configuration utility.

1. Launch the Internet Explorer on your computer. Enter **http://192.168.1.1** in the address bar, and then press **Enter**.
2. In the displayed dialog box, enter the user name and the password, and then click **OK**.

By default, both the user name and the password are **admin**.

Step 2 Set the wireless network name and access password of the HG620.

To set the wireless network name and the access password, do as follows (taking the authentication type WPA-PSK as an example):

1. In the navigation tree on the left of the Web-based configuration utility, choose **Basic > LAN**.
2. Select **WLAN** page.

3. Select the **Enable WLAN** option.
4. Enter a wireless network name in the **SSID** text box.
5. Select **WPA-PSK** from the **Security** drop-down combo box.
6. Enter an access password in the **WPA pre-shared key** text box.
7. Select **TKIP** from the **WPA encryption** drop-down combo box.
8. Click **Submit** to save the settings.

Step 3 Configure the wireless network connection on your computer.

To configure the wireless network connection, do as follows (taking the Windows XP operating system as an example):

1. Choose **Start > All Programs > Accessories > Communications > Network Connections**.
2. In the **Network Connections** window, right-click **Wireless Network Connection** to display a shortcut menu, and then select **View Available Wireless Networks** from the shortcut menu.
3. Select the wireless network that is configured in Step 2, and then click **Connect** in the lower right corner of the window.
4. In the displayed dialog box, enter the access password that is preset in Step 2, and then click **Connect**.

After the password is verified, **Connected** appears on the icon of the wireless network in the wireless network list, which indicates that the computer is connected to the HG620 through a wireless connection.

5 Configuring the HG620

5.1 Changing the Administrator Password Used for Logging In to the Web-Based Configuration Utility

For safety reasons or to make the password easy to remember, you can change the administrator password for login after logging in to the Web-based configuration utility.

To change the password, do as follows:

- Step 1** Log in to the Web-based configuration utility.
- Step 2** Choose **Maintenance > Account** in the navigation tree to display the system management page.
- Step 3** Select **admin** from the **User name** drop-down combo box.

Step 4 Enter the old password and the new password. Then enter the new password again in the **Confirm password** text box for confirmation.

Step 5 Click **Submit** to save the settings.

After you change the password successfully, the current page jumps to the page for logging in to the Web-based configuration utility. To log in to the Web-based configuration utility, enter the new password, and then click **Submit**.



If you forget the user name or password that has been changed, you can restore the default settings of the HG620 by pressing and holding the RESET button for over six seconds. Then, the user name and password that are used for logging in to the Web-based configuration utility are restored to default values. After you restore the default settings, however, your customized data is lost. Therefore, use this function with caution.

5.2 Enabling or Disabling the Wireless Network Function

You can quickly enable or disable the wireless network function by pressing the WLAN button on the HG620. To enable the wireless network function, press and hold the WLAN button for over one second, and then release the button. You can disable the wireless network function in the same way. The WLAN indicator shows whether the wireless network function is enabled.

In addition, you can enable or disable the wireless network function through the Web-based configuration utility. To enable or disable the wireless network function, do as follows:

Step 1 Log in to the Web-based configuration utility.

Step 2 In the navigation tree on the left, choose **Basic > Wireless Lan**.

Step 3 Select the **WLAN** page.

Step 4 Select or not select the **Enable WLAN** option.

Step 5 Click **Submit** to save the settings.

5.3 Changing the Wireless Network Name and the Access Password

To change the name and access password for the wireless network, do as follows (taking the authentication type WPA-PSK as an example):

Step 1 Log in to the Web-based configuration utility.

- Step 2** In the navigation tree on the left, choose **Basic** > **LAN**.
- Step 3** Select the **WLAN** page.
- Step 4** Enter the new wireless network name in the **SSID** text box.
- Step 5** Select **WPA-PSK** from the **Security** drop-down combo box.
- Step 6** Enter the new access password in the **WPA pre-shared key** text box.
- Step 7** Select **TKIP** from the **WPA encryption** drop-down combo box.
- Step 8** Click **Submit** to save the settings.

5.4 Changing the IP Address Used for Logging In to the Web-Based Configuration Utility

To make the login IP address easy to remember, you can change the IP address after logging in to the Web-based configuration utility.

To change the IP address, do as follows:

- Step 1** Choose **Basic** > **LAN** in the navigation tree.
- Step 2** Select the **DHCP** page.
- Step 3** Enter a new IP address as desired in the **IP address** text box. Then, enter a subnet mask in **Subnet mask**.
- Step 4** Click **Submit** to save the settings.



To log in to the Web-based configuration utility after you change the IP address successfully, you need to launch the Internet Explorer, and then enter the new IP address in the address bar. Ensure that the IP address of the computer is in the same network segment as that of the HG620 so that the computer can access the Web-based configuration utility.

5.5 Restoring Default Settings

You can quickly restore the default settings of the HG620 by pressing the RESET button on the rear panel. To restore the default settings, press and hold the RESET button for over six seconds after the HG620 is powered on, and then release the button. In addition, you can restore the default settings of the HG620 through the Web-based configuration utility. To restore the default settings through the Web-based configuration utility, do as follows:

- Step 1** Log in to the Web-based configuration utility, and then choose **Maintenance** > **Device** in the navigation tree to display the reboot page.
- Step 2** Click **Factory Default Settings**.

After the preceding operations, the current page jumps to the login page. You can log in to the Web-based configuration utility by entering the default user name and password that are **admin**.

6 FAQs

How can I quickly enable or disable the wireless network function?

Press and hold the WLAN button for over one second, and then release the button to enable or disable the wireless network function. The WLAN indicator shows whether the wireless network function is enabled.

How can I quickly restore the default settings of the terminal?

To restore the default settings, press and hold the RESET button on the rear panel for over six seconds after the HG620 is powered on, and then release the button.

What can I do if I cannot access the Internet through the terminal?

Step 1 Check whether the POWER indicator on the terminal is solid on.

If the POWER indicator is off, perform further checks as follows:

1. Ensure that the terminal is turned on.
2. Ensure that electricity comes from the socket and that the power input from the socket meets the requirements described on the label of the terminal power adapter. If the voltage is unsteady, for example, if the voltage is too high or too low, do not use the terminal. Wait until the voltage restores to its normal level, and then use the terminal.
3. Ensure that the terminal is properly connected to the socket through the power adapter.

If the POWER indicator is still off, contact an authorized maintenance center.

Step 2 After powering on the terminal, wait for about three minutes. Then, check whether the ADSL indicator on the terminal is solid on.

If the ADSL indicator blinks for a long time, perform further checks as follows:

1. Ensure that telephone lines are properly connected. Pay special attention to the connections between the telephone lines and the splitter.
2. Ensure that the terminal or telephone lines are far from the electric appliances that generate strong magnetic or electric fields. Replace telephone lines when necessary.

If the ADSL indicator still blinks and does not turn solid on, contact your

network operator.

Step 3 Check whether the LAN indicator of the terminal is on.

If the LAN indicator is off, perform further checks as follows:

1. Ensure that the network adapter of the computer is enabled.
2. Ensure that the network cable between the terminal and the computer is properly connected. Remove and then insert the network cable or replace the network cable when necessary.

If the LAN indicator is still off, contact an authorized maintenance center.

Step 4 Check whether the driver for the network adapter is properly installed. Take a computer that runs Windows XP as an example. To check whether the driver for the network adapter is installed, do as follows:

1. On the desktop, right-click **My Computer**, and then choose **Manage**.
2. In the navigation tree of the **Computer Management** window, choose **Device Manager**.
3. In the right pane of the **Computer Management** window, click **Network adapters** to view the information about the network adapter of the computer.

If no network adapter is found or if a question mark (?) or an exclamation mark (!) is displayed next to the icon of the network adapter, you can infer that the driver for the network adapter is not properly installed. In this case, re-install the driver for the network adapter of the computer.

Step 5 Ensure that you have entered the correct user name and user password that are required by the PPP dial-up software.

The user name and the user password are provided by your network operator.

Step 6 Check whether you can use the PPP dial-up software to dial successfully.

If you cannot use the PPP dial-up software to dial successfully, perform further checks as follows:

1. Stop the PPP dial-up software and then power off the terminal. After five minutes, power on the terminal, and then use the PPP dial-up software to dial again.
2. Restore the default settings of the terminal.

If the problem persists, contact your network operator.

Step 7 Check whether the proxy server of the Web browser is correctly configured. Take the Internet Explorer installed on a computer that runs Windows XP as an example. To check whether the proxy server of the Web browser is correctly configured, do as follows:

1. Launch the Internet Explorer.
2. Choose **Tools > Internet Options**.

3. In the **Internet Options** dialog box, click the **Connections** tab.
4. In the **Local Area Network (LAN) settings** group box, click **LAN Settings**.
5. In the **Proxy server** group box of the **Local Area Network (LAN) Settings** dialog box, ensure that the **Use a proxy server for your LAN (These settings will not apply to dial-up or VPN connections)**, check box is cleared.

Step 8 Try to access multiple Web sites to check whether the terminal can access these Web sites.

If the terminal still cannot access Web sites, contact your network service provider.

What can I do if Web pages often cannot be displayed during Web page browsing and can be displayed after the terminal is restarted?

Step 1 Ensure that the terminal and other devices, such as telephones or fax machines, are connected to telephone lines through a splitter.

For details about how to install a splitter, see the related description in the manual.

Step 2 Ensure that telephone lines are properly connected.

If the telephone lines are improperly connected, the stability of the network connection is affected.

Step 3 Check the positions of your terminal and your computer. Ensure that they are far from electric appliances, such as microwave ovens, refrigerators, or cordless telephones, that generate strong magnetic or electric fields.

If the problem persists, contact your service provider.

What can I do if sometimes the terminal cannot access the Internet through a WLAN connection or if the WLAN connection is unsteady?

Step 1 Check the positions of your terminal and your computer. Ensure that they are far from the electric appliances, such as microwave ovens, refrigerators, or cordless telephones, that generate strong magnetic or electric fields.

Step 2 Place your terminal in an open area.

Although radio signals can pass through obstacles, the transmission effects of WLAN radio signals are affected if radio signals pass through too many obstacles, such as cement or wooden walls.

Step 3 Place your computer close to your terminal.

If your computer is far from your terminal, the effects of the WLAN are affected.

Step 4 Place your terminal and computer in another direction.

Step 5 Do not use your terminal to access the WLAN during thunderstorms.

After a broadband terminal is installed, does Internet access degrade call quality or do telephone calls lower the Internet access rate?

No. The terminal uses the frequency division multiplexing (FDM) and splitter technologies to separate voice signals from data signals. Although the two types of signals are transmitted through one telephone line, they are carried by different frequency bands. Therefore, they do not interfere with each other. In this case, you can make a telephone call and access the Internet simultaneously, without degrading call quality or lowering the Internet access rate.

7 Appendix

7.1 Indicators

Indicator	Status	Description
POWER	Solid on	The HG620 is powered on.
	Off	The HG620 is powered off.
VDSL	Blinking	The HG620 is being activated.
	Solid on	The HG620 is activated.
	Off	The HG620 is powered off.
INTERNET	Blinking	<ul style="list-style-type: none">• The HG620 works in routing mode.• The WAN connection is set up.• Data is being transmitted.
	Solid on	<ul style="list-style-type: none">• The HG620 works in routing mode.• The WAN connection is set up.• No data is being transmitted.
	Off	<ul style="list-style-type: none">• The HG620 works in bridge mode or in routing mode.• No WAN connection is set up.

Indicator	Status	Description
WLAN	Blinking	<ul style="list-style-type: none"> The wireless network function is enabled. Data is being transmitted through the WLAN.
	Solid on	<ul style="list-style-type: none"> The wireless network function is enabled. No data is being transmitted through the WLAN.
	Off	The wireless network function is disabled.
WPS	Blinking	<p>This indicator has three blinking modes that indicate three states.</p> <ul style="list-style-type: none"> The indicator periodically blinks and is on for 0.2s and off for 0.1s, which indicates that the WPS function is activated and that a wireless terminal can connect to the HG620. The indicator periodically blinks and is on for 0.1s and off for 0.1s, which indicates that a wireless terminal fails to connect to the HG620. <p>The indicator is on for 0.1s and then off for 0.1s. After this process repeats for four times, the indicator is off for 0.5s. Then, the indicator blinks as the preceding process, which indicates a wireless terminal is setting up a connection to the HG620.</p>
	Solid on	A wireless terminal is connected to the HG620 through the WPS protocol. This state lasts 300s.
	Off	The HG620 does not perform the WPS negotiating operation, or the WPS functional module is faulty.
LAN1–LAN4	Blinking	Data is being transmitted through the Ethernet interface.
	Solid on	The Ethernet connection is set up.
	Off	The Ethernet connection is not set up.
USB	Blinking	Data is being transmitted through the USB interface.
	Solid on	The USB connection is set up.
	Off	The USB connection is not set up.

7.2 Interfaces and Buttons

Interface or Button	Description
VDSL	It is used to connect to the MODEM interface on the splitter.
LAN1–LAN4	It is used to connect to the Ethernet interface on the computer.
USB	It is used to connect a USB storage device, such as a USB disk.
RESET	You can press and hold the RESET button for over six seconds to restore the default settings of the HG620. Note: After you restore the default settings, your customized data is lost. Therefore, use this function with caution.
POWER	It is used to connect the power adapter.
WPS	It is used to set up a wireless connection between the HG620 and a wireless terminal easily and safely.
WLAN	It is used to enable or disable wireless network function quickly.
ON/OFF	It is the power switch and is used to power on or power off the HG620.

7.3 Default Settings

Parameter	Setting
IP address of the LAN interface	192.168.1.1
Subnet mask of the LAN interface	255.255.255.0
User name used for logging in to the Web-based configuration utility	admin
Password used for logging in to the Web-based configuration utility	admin
DHCP server function	Enable
Wireless network function	Enable

7.4 Technical Specifications

Item	Specification
Power supply for the HG620	12 V DC, 1.5 A
Power consumption	< 18 W
Ambient temperature for operation	0°C to 40°C
Ambient humidity for operation	5% to 95%, non-condensing
Dimensions (L × W × H)	190 mm × 151 mm × 57 mm
Weight	About 320 g
Standards	VDSL standards <ul style="list-style-type: none">• ITU G.992.3 Annex B• ITU G.994.1
	WLAN standard

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