

HG532f Home Gateway User Guide

HUAWEI TECHNOLOGIES CO., LTD.

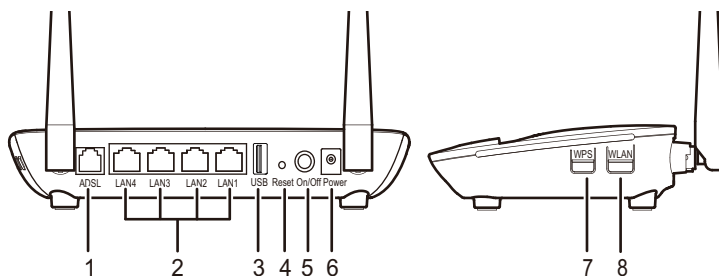




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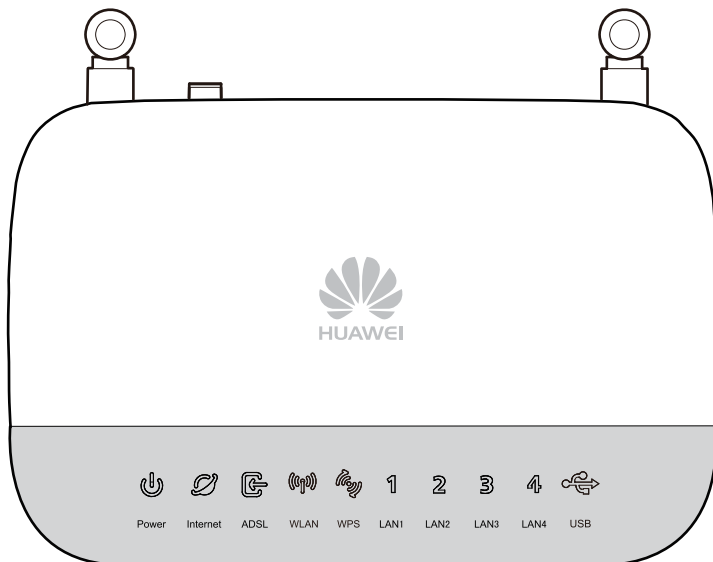
1 Product Overview

Ports and Buttons



No.	Item	Description
1	ADSL	Connects to a DSL filter or phone socket.
2	LAN1 ~ LAN4	Connects to Ethernet devices, such as computers, set-top boxes (STBs), and switches.
3	USB	Connects to a USB device.  If you connect a USB device to the HG532f, verify that the input voltage and current of the USB device does not exceed 5 V/1 A. Otherwise, the HG532f may malfunction.
4	Reset	Restores the HG532f to its default settings after you press and hold this button for 6 seconds or more while the HG532f is powered on.  A reset will result in all custom data and settings being lost. Use with caution.
5	On/Off	Powers the HG532f on or off.
6	Power	Connects to a power adapter.
7	WPS	Starts Wi-Fi protected setup (WPS) negotiation.
8	WLAN	Enables or disables the WLAN function.

Indicators



Indicator	Status	Description
Power	Steady green	The HG532f is powered on.
	Off	The HG532f is powered off.
Internet	Steady green	The HG532f is connected to the Internet in router mode, but no data is being transmitted.
	Blinking green	The HG532f is connected to the Internet in router mode, and data is being transmitted.
	Off	<ul style="list-style-type: none"> > The HG532f is in router mode, but not connected to the Internet. > The HG532f is in bridge mode.
ADSL	Steady green	A digital subscriber line (DSL) connection has been set up and activated.
	Blinking green	A DSL connection is being activated.
	Off	No DSL connection has been set up, or the DSL connection is faulty.

Indicator	Status	Description
WLAN	Steady green	The HG532f has WLAN enabled, but is not transmitting data.
	Blinking green	The HG532f has WLAN enabled, and data is being transmitted.
	Off	WLAN is disabled.
WPS	Steady green	The HG532f is connected to a wireless client, such as a computer with a wireless network adapter, over the WLAN using the Wi-Fi Protected Setup (WPS) function.
	Blinking green	The HG532f is attempting to connect to a wireless client over the WLAN using the WPS function.
	Off	WPS is disabled.
LAN1 ~ LAN4	Steady green	The LAN port is connected to an Ethernet device (such as a computer) with a network cable, but no data is being transmitted.
	Blinking green	The LAN port is connected to an Ethernet device with a network cable, and data is being transmitted.
	Off	The LAN port is not connected to any Ethernet device.
USB	Steady green	The HG532f is connected to a USB device, but no data is being transmitted.
	Blinking green	The HG532f is connected to a USB device, and data is being transmitted.
	Off	The HG532f is connected to a USB device, and data is being transmitted.

2 Hardware Installation

Selecting an Installation Location

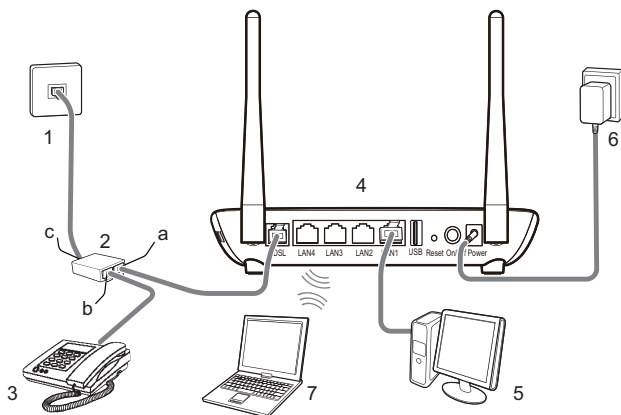
Place the HG532f on a well-ventilated even surface without exposure to direct sunlight. For the best possible performance, take note of the following:

- Make sure there are no obstacles, such as concrete or wooden walls, between the computer and HG532f.
- Ensure that the computer and HG532f are far from electric appliances that generate strong magnetic or electric fields, such as microwave ovens.

Connecting Cables

If you have subscribed to digital subscriber line (DSL) broadband, you can connect the HG532f to a telephone port for Internet access.

Connect your devices in the sequence indicated in the following figure.



1 Telephone wall jack

2 Splitter

3 Telephone

4 HG532f

5 Desktop computer

6 Power adapter

7 Laptop computer

a MODEM port

b PHONE port

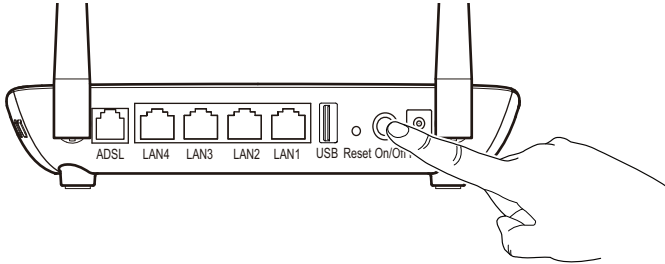
c LINE port



When configuring the HG532f for the first time, use an Ethernet cable to connect the HG532f to a computer.

Powering On

To power on the HG532f, press its Power button.



After the HG532f is powered on, the HG532f indicator turns on. The following table lists how the indicators behave when the HG532f is operating correctly. If the indicators do not behave as expected, ensure that everything is plugged in correctly.

Indicator	Expected State
Power	Steady on
ADSL	Steady on or blinking The blinking may last from 40 seconds to 3 minutes. When the indicator stops blinking and remains on, the HG532f is working correctly.
LAN	Steady on or blinking (indicator of the connected LAN port)

3 Setting Network Parameters

Setting the Computer IP Address

Before logging in to the HG532f web management page, set the IP address of the computer that will be used for the login.

On Windows 7

1. Choose **start > Control Panel > Network and Internet > Network and Sharing Center**.
2. Choose **Change adapter settings**. 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**. Click **OK**.

On Windows XP

1. Choose **start > Control Panel > Network and Internet Connections**.
2. Click **Network Connections**. Right-click **Local Area Connection** and choose **Properties** from the shortcut menu.
3. Double-click **Internet Protocol (TCP/IP)**.
4. Select **Obtain an IP address automatically** and **Obtain DNS server address automatically**. Click **OK**.

Logging In to the Web Management Page

The HG532f provides an intuitive web management page where you can view or set the HG532f parameters.

Before you log in to the HG532f web management page, ensure that the computer used for the login is connected to the HG532f and has been configured to automatically obtain an IP address or assigned with a static IP address.

1. Open a browser. In the address box, enter 192.168.1.1. Press **Enter**.
2. Enter the login user name (**user** by default) and password (**user** by default). Click **Login**.



To protect against unauthorized access, change the user name and password after the first login.

Configuring a Wireless Account

The HG532f supports configuration wizard page. You can quickly configure the wireless parameters through the configuration wizard page.

1. Log in to the web management page.

2. Enter the SSID (WLAN name) and key and click **Next**.



To obtain the default SSID and key, check the label on the rear panel. To better secure your WLAN, promptly change the SSID and key.

Setting Dial-Up Connection Parameters

Before setting dial-up connection parameters, verify that the HG532f is correctly connected to your computer and you have the dial-up connection account name and password provided by your Internet service provider (ISP). This section demonstrates how to set up a Point-to-Point Protocol over Ethernet (PPPoE) connection on Windows.

On Windows 7

1. Choose **start > Control Panel > Network and Internet > Network and Sharing Center**.
2. Under **Change your networking settings**, click **Set up a new connection or network**.
3. In the **Set Up a Connection a Network** window, select **Connect to the Internet** and click **Next**.
4. Click **Broadband (PPPoE)**.
5. In **User name** and **Password**, enter the dial-up connection account name and password provided by your ISP. In **Connection name**, name the dial-up connection. Select or deselect **Allow other people to use this connection**. Then click **Connect**.
6. Return to the **Network and Sharing Center** page. Click **Change adapter settings**. Right-click the icon for the dial-up connection you just set up and choose **Create Shortcut** from the shortcut menu. In the displayed dialog box, click **Yes**.

On Windows XP

1. Choose **start > Control Panel > Network and Internet Connections > Network Connections**.
2. Under **Network Tasks**, click **Create a New Connection**.
3. In the **Network Connection Wizard** dialog box, click **Next**.
4. Select **Connect to the Internet** and click **Next**.
5. Select **Set up my connection manually** and click **Next**.
6. Select **Connect using a broadband connection that requires a user name and password** and click **Next**.
7. In **ISP Name**, name the dial-up connection. Click **Next**.
8. Select **Anyone's use** or **My use only** and click **Next**.
9. Enter the dial-up connection account name and password provided by your ISP and click **Next**.
10. Select **Add a shortcut to this connection to my desktop** and click **Finish**.

After you successfully set up a PPPoE connection, a dial-up connection icon is displayed on your computer desktop.

To connect to the Internet, double-click the dial-up connection icon. In the displayed dialog box, click **Connect**.

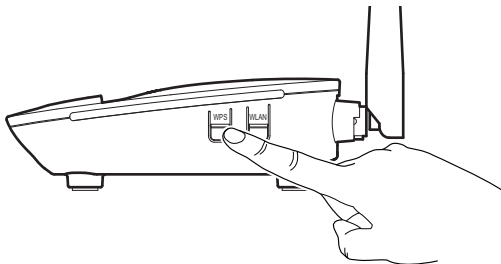
4 Wireless Connection Setup

Setting Up a Wireless Connection Using the WPS Button

Push the WPS button once to quickly set up a wireless connection between the HG532f and any WPS-capable device.

Before you set up a wireless connection using the WPS button, verify the following:

- > The wireless network security mode of the HG532f is WPA2-PSK or WPA-PSK/WPA2-PSK.
 - > The wireless device (laptop, tablet, or mobile phone) to connect to the HG532f is WPS-capable.
1. Press the WPS button on the wireless device to start WPS negotiation. For details, see the user guide for the wireless device.
 2. Within 2 minutes, press and hold the WPS button on the HG532f for 1 second or more. The WPS indicator blinks.



When the WPS indicator on the HG532f is steady on, a connection between the HG532f and wireless device is set up. The WPS indicator is on for 300 seconds.

Manually Setting Up a Wireless Connection

The wireless configuration software provided by Windows is used as an example to describe how to set up a wireless connection.



You can also use the tool built into the network adapter to set up a wireless connection. For details, see the network adapter's user guide.

Before setting up a wireless connection, record the WLAN name and password of the HG532f. The default WLAN name and password are printed on the HG532f cover label.

On Windows 7

1. Choose **start > Control Panel > Network and Internet > Network and Sharing Center > Change adapter settings**. Right-click **Wireless Network Connection**, and select **Connect/Disconnect**.

2. From the wireless network list, select the WLAN provided by the HG532f. Click **Connect**.
3. In the displayed dialog box, enter the WLAN password and click **OK**.
4. In the wireless network list, check the WLAN connection status. If the status is **Connected**, the computer is wirelessly connected to the HG532f.

On Windows XP

1. Choose **start > Control Panel > Network and Internet Connections > Network Connections**. Right-click **Wireless Network Connection** and choose **View Available Wireless Networks** from the shortcut menu.
2. From the wireless network list, select the WLAN provided by the HG532f. Click **Connect**.
3. In the displayed dialog box, enter the WLAN password and click **Connect**.
4. In the wireless network list, check the WLAN connection status. If the status is **Connected**, the computer is wirelessly connected to the HG532f.

5 Network Security

Changing Your WLAN Name and Password

WLAN access requires the WLAN name and password. To improve your WLAN security, regularly change your WLAN name and password.

1. Log in to the web management page.
2. In the navigation tree, choose **Wizard**. The **Wizard** configuration page is displayed.
3. In **SSID**, enter a new WLAN name.
4. In **Key**, enter a new WLAN password.
5. Click **Next**.

Filtering Out Inappropriate Websites

Use URL filtering to prevent certain websites from being accessed.

1. Log in to the web management page.
2. In the navigation tree, choose **Advanced > Filter**, click **URL Filter**.
3. Click **New**.
4. In **URL**, enter the website address you specified.
5. In **Priority** enter any integer from 0 to 254.



A larger value indicates higher priority. When a URL matches two URL filtering rules, the rule with higher priority takes effect.

6. In **Status**, select **Reject**.
7. Click **Submit**.

Controlling Computer Internet Access

Your HG532f provides MAC address filtering. With this function, you can confine Internet access to specific computers or deprive specific computers of Internet access. While using this function, you can also set limits on the duration of Internet usage.

1. Log in to the web management page.
2. In the navigation tree, choose **Advanced > SNTP**.
3. Select **Enable auto synchronization with network time**.
4. Select a time service address for **Time server 1**.
5. In **Time zone**, select your time zone.
6. Click **Submit**.
7. In the navigation tree, choose **Advanced > Filter**. The **Mac Filter** page is displayed.
8. Click **New**.

9. Create the filtering rules.

- > In **Rule name**, enter a filtering rule name you specified.
- > In **Source MAC address**, enter the **MAC address of the computer you want to control**.



For details, see chapter **Checking the Computer MAC Address**.

- > In **Priority**, enter any integer from **0 to 254**.



A larger value indicates higher priority. When a MAC address matches two MAC filtering rules, the rule with higher priority takes effect.

- > In **Status**, select **Reject**.

10. Set **Time control** to **Enable**, and set the effective time of the rule.



If you do not want to set the specific period during which the PCs are not allowed to access the Internet, you can clear **Enable** for **Time control**.

11. Click **Submit**.

6 USB Device

USB Storage Device

USB storage devices use their USB ports to exchange data with other devices.

You can connect a USB storage device to your HG532f and access the USB device from your computer.

Both the USB drive and removable hard disk can connect to your HG532f.

Your HG532f supports the following file systems for reading and writing.

- > FAT32/FAT

Connecting a USB Device

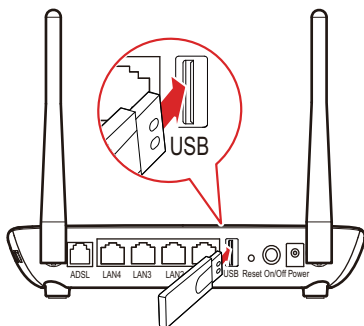
After you connect a USB device to your HG532f, computers or other devices connected to the HG532f network can access and share the data in or applications provided by the USB device.



If you connect a USB device to the HG532f, verify that the input voltage and current of the USB device do not exceed 5 V/1 A. Otherwise, the HG532f may malfunction.

You can connect the following USB devices to your HG532f:

- > USB storage device
- > USB printer



Setting the FTP Access Permission

To avoid unauthorized access to the USB storage device, you can set the FTP access permission on your HG532f. This allows only authorized users to access the USB storage device.

1. Log in to the web management page.
2. In the navigation tree, choose **Advanced** > **Storage Services**.

3. Under **Services Status**, set **FTP Server** to **Enable** and click **Submit**.
4. Under **Storage Services**, click **New**.
5. In **Username** and **Password**, enter a user name and password for the FTP server.
6. In **Confirm password**, enter the password again.
7. In **Directory Mode**, select a storage sharing mode:
 - > **All Directories**: The user can access all directories of the storage device.
 - > **Choose Directory**: The user can only access the directory you specified.
8. In **Right**, select the desired right for the user:
 - > **Readable**: The user can only read files in the storage device, but can not add, delete or modify files.
 - > **Readable & Writable**: The user can read, modify, or delete the existing files, and can also add files to the storage device.
9. Set the status of the user.
 - > Select **Enable**: The user can use the user name and password to access the storage device.
 - > Clear **Enable**: The user can not use the user name and password to access the storage device.
10. Click **Submit**.

Accessing a USB Storage Device Using FTP

You can access a USB storage device through the FTP server.

To access a USB storage device using FTP, connect the USB storage device to your HG532f and set the FTP login parameters.

1. On your computer, open a browser.
2. Enter **ftp://192.168.1.1** in the address box, add then press **Enter**.
3. In the **Login** dialog box, enter the user name and password you set in the HG532f's **Storage Services** page, and then click **Login**.

Once you pass the authentication, the directory of and files in the USB storage device will be displayed.

Sharing a USB Printer

USB Printer

HG532f supports USB printers. After you connect a USB printer to your HG532f through the USB port, you can access the printer from the Internet or internal network.

Adding a Network Printer

On Windows 7

1. Choose **start > Devices and Printers**.
2. Choose **Add a printer**.
3. Choose **Add a network, wireless or Bluetooth printer**.

4. Click **The printer that I want isn't listed**.
5. Choose **Select a shared printer by name** and enter the printer address in the text box. **myprinter** is the customized name of the printer to add. Click **Next**.
6. Select the model of the printer you want or click **Have Disk** to manually install the printer drive.
7. Click **OK**.

On Windows XP

1. Choose **start > Printers and Faxes**.
2. Choose **Add a printer**.
3. In the **Add Printer Wizard** dialog box, click **Next**.
4. Choose **A network printer, or a printer attached to another computer** and click **Next**.
5. Choose **Connect to a printer on the Internet or on a home or office network** and enter the printer's address in the **URL** text box. **myprinter** is the customized name of the printer to add. Click **Next**.
6. Select the model of the printer you want or click **Have Disk** to manually install the printer drive. Click **Next**.
7. Determine whether to set the printer as the default printer. Click **Next**.
8. Click **Finish**.

7 Maintenance Guide

Enabling and Disabling the WLAN on the HG532f

Press the WLAN button in the HG532f to enable or disable the WLAN. To ascertain whether the WLAN is enabled, view the WLAN indicator.

Changing the Web Management Page User Name and Password

The correct user name and password are required to log in to the web management page. Regular changes to the web management page user name and password can effectively prevent unauthorized users from logging in and modifying important parameters.

1. Log in to the web management page.
2. In the navigation tree, choose **Maintenance > Account**.
3. In **New user name**, enter the new user name you specified.
4. In **Current password**, enter the currently used password.
5. In **New password**, enter the new password you specified. In **Confirm password** enter the new password again.
6. Click **Submit**.

When modify password successfully, this page will jump to the login page, enter the new user name and password to log in.



If you forget the password , you can press and hold the **Reset** button for 6 seconds or more, then the user name and password of the Web management page will back to factory value. This operation will make your own configuration data lost, please perform this operation with caution.

Restoring Default Settings

Using the Configuration Tool

If the HG532f parameter settings were configured incorrectly, log in to the web management page to reload the default configuration file and restore the HG532f to its default settings. Perform this operation with caution. After the HG532f is restored to its default settings, all custom data and settings will be lost, and the password will be restored to user.

1. Log in to the web management page.
2. In the navigation tree, choose **Maintenance > Device**.
3. In **Restore Default**, click **Restore Default Settings**.
4. In the displayed dialog box, click **OK**.

Using the Reset Button

If you forget the login password to the web management page or could not access the web management page, use the **RESET** button on the HG532f rear panel to restore the HG532f to its default settings. Perform this operation with caution. After the HG532f is restored to its default settings, all custom data and settings will be lost, and the password will be restored to user.

1. Press the HG532f power button to power the HG532f on.
2. Press and hold the **RESET** button for 6 seconds or more.
The HG532f will restart, which will cause temporary network interruptions.



After the HG532f is restored to its default settings, change the computer IP address so that it is in the same network segment as the 192.168.1.1 default IP address.

8 Reference Operations

Enabling Wireless Configuration on Windows

On Windows XP

1. Right-click **My Computer** and choose **Manage** from the shortcut menu.
2. In the left pane of the **Computer Management** window, choose **Computer Management (Local) > Services and Applications > Services**.
3. In the right pane of the **Computer Management** window, right-click **Wireless Zero Configuration** and choose **Properties** from the shortcut menu.
4. In the displayed dialog box, check that **Service status** is **Started**.
5. Click **OK** to close the dialog box. Then close the **Computer Management** window.

On Windows 7 or Windows Vista

1. Right-click **Computer** and choose **Manage** from the shortcut menu.
2. In the left pane of the **Computer Management** window, choose **Computer Management (Local) > Services and Applications > Services**.
3. In the right pane of the **Computer Management** window, right-click **WLAN AutoConfig** and choose **Properties** from the shortcut menu.
4. In the displayed dialog box, check that **Service status** is **Started**.
5. Click **OK** to close the dialog box. Then close the **Computer Management** window.

Checking the Computer MAC Address

The MAC address, also known as the physical address, is a unique identifier assigned to a network adapter. A MAC address contains six groups of two hexadecimal digits, such as 2C-41-38-8D-75-8D. This section demonstrates how to check your computer's MAC address.

On Windows 7

1. Choose **start > Control Panel > Network and Internet > Network and Sharing Center > Change adapter settings**. Right-click **Local Area Connection** and choose **Status** from the shortcut menu.
2. Click **Details**.
3. In **Network Connection Details**, find the line similar to **Physical Address 70-F3-95-0C-49-4E**. The **70-F3-95-0C-49-4E** string is your computer's MAC address.

On Windows XP

1. Choose **start > Control Panel > Network and Internet Connections > Network Connections**. Right-click **Local Area Connection** and choose **Status** from the shortcut menu.
2. Click the **Support** tab. Under **Connection status**, click **Details**.
3. In **Network Connection Details**, find the line similar to **Physical Address 78-AC-C0-B0-DF-A1**. The **78-AC-C0-B0-DF-A1** string is your computer's MAC address.

What Can I Do If I Cannot Open the Web Management Page?

1. Open Internet Explorer. Choose **Tools > Internet Options > Connections > LAN settings**, and ensure that all check boxes are deselected.
2. Check that the computer IP address is 192.168.1.*. (* is any integer from 2 to 254.)
3. Check that the cables are securely connected to the HG532f and that the LAN port's indicator is on.
4. Ensure that the user name and password are correct.

If the problem persists, restore the HG532f to its default settings.

What Can I Do If the HG532f Cannot Access the Internet through a Wireless Network Adapter Sometimes or If the WLAN Connection Is Unsteady?

This is probably because the HG532f has its cables connected loosely, is placed too close to electronic appliances with intensive interference, or is too far from the computer. Verify that:

1. The power and telephone cables are correctly connected to the HG532f.
2. Your computer and the HG532f are far from electric appliances that generate strong magnetic or electric fields, such as microwave ovens, refrigerators, and cordless telephones.
3. The HG532f is in an open area, and there are no obstacles, such as concrete or wooden walls, between the HG532f and computer.
4. The HG532f is close to the computer.
5. The angle between the HG532f and computer is appropriate.



Do not use the HG532f during thunderstorms, as the signal strength may be unsteady and the HG532f itself may be damaged due to lightning strikes.

What can I do if I cannot access the Internet?

1. Check that the **Power** indicator on the HG532f is steady on. If the **Power** indicator is off, perform further checks as follows:
 - a) Check that the HG532f is turned on.
 - b) Check that electricity comes from the socket and that the power input from the socket meets the requirements described on the label of the HG532f's power adapter. If the voltage is unstable, for example, if the voltage is too high or too low, do not use the HG532f. Wait until the voltage recovers, and then use the HG532f.
 - c) Check that the HG532f is securely connected to the socket using its power adapter. If the **Power** indicator is still off, contact an authorized maintenance center.

2. After powering on the HG532f, wait for about 3 minutes. Then check whether the **ADSL** indicator turns steady on.
 - a) Check that the telephone line is correctly and securely connected, especially the connection between the telephone line and the splitter.
 - b) Check that the HG532f and telephone line are located far from any electric appliances that generate strong magnetic or electric fields. Replace the telephone line when necessary.If the **ADSL** indicator is still off, contact your network service provider.
3. Check whether the **LAN** indicator is on. If the **LAN** indicator is off, perform further checks as follows:
 - a) Check that the network adapter on your computer is enabled.
 - b) Check that the network cable between the HG532f and the computer is securely 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.
4. Check that the driver for the network adapter is correctly installed. The following example uses a computer running the Windows XP operating system to check whether the driver for the network adapter is installed:
 - a) Right-click **My Computer**, and choose **Manage** from the displayed shortcut menu.
 - b) In the **Computer Management** window, click **Device Manager**.
 - c) In the right pane of the **Computer Management** window, click **Network adapters**.
If no network adapter is found or if a question mark (?) or an exclamation mark (!) is displayed next to the network adapter icon, the driver for the network adapter is not correctly installed. Re-install the driver.
5. Check that PPP dial-up software is installed and parameters are set correctly. For details about parameter settings, see the user guide for the PPP dial-up software.
6. Check that you have entered the correct user name and password required by the PPP dial-up software. The user name and password are provided by your network service provider.
7. Check that you can use the PPP dial-up software to set up dial-up connection. If the dial-up connection fails, perform further checks as follows:
 - a) Close the PPP dial-up software, and power off the HG532f. After 5 minutes, power on the HG532f, and use the PPP dial-up software to dial again.
 - b) Restore the HG532f to its default settings.If the problem persists, contact your network service provider.
8. Check that the proxy server of the browser is correctly configured. The following example uses Internet Explorer on the Windows XP operating system to check whether the proxy server of the browser is correctly configured:
 - a) Launch Internet Explorer.
 - b) Choose **Tools > Internet Options**.
 - c) In the **Internet Options** dialog box, click the **Connections** tab.
 - d) In the **Local Area Network (LAN) settings** area, click **LAN Settings**.
 - e) In the **Proxy server** area of the **Local Area Network (LAN) Settings** dialog box, check that the **Use a proxy server for your LAN (These settings will not apply to dial-up or VPN connections)** checkbox is cleared.
9. Try to access more websites to check whether the HG532f can access these websites. If the problem persists, contact your network service provider.

I Often Need to Restart the HG532f to Display Web Pages. What Can I Do?

Verify the following:

- 1.** The HG532f and other devices such as telephones or fax machines are connected to the plain old telephone service (POTS) line through a digital subscriber line (DSL) filter. For details about how to install a DSL filter, see the description in the DSL filter manual.
- 2.** Cables are securely connected to HG532f ports. Otherwise, network stability may suffer.
- 3.** Your computer and the HG532f are far from electric appliances that generate strong magnetic or electric fields, such as microwave ovens, refrigerators, and cordless telephones.

If the problem persists, contact your Internet Service Provider.

10 Appendix

Technical Specifications

Item	Specifications	
Power supply	12 V DC, 1 A	
Power consumption	< 12 W	
Ambient operating temperature	0°C to 40°C	
Ambient humidity	5% to 95% RH (non-condensing)	
Dimensions (H x W x D)	37 mm x 181 mm x 120 mm (1.46 in. x 7.13 in. x 4.72 in.), antenna excluded	
Weight	About 360 g	
DSL standard	ADSL standard	ITU G.992.1 (G.dmt) Annex A ITU G.994.1 (G.hs) ANSI T1.413 Issue 2
	ADSL2 standard	ITU G.992.3 (G.dmt.bis) Annex A ITU G.992.3 (G.dmt.bis) Annex L ITU G.992.3 (G.dmt.bis) Annex M
	ADSL2+ standard	ITU G.992.5 (G.dmt.bitplus) Annex A ITU G.992.5 (G.dmt.bitplus) Annex M
	WLAN standard	802.11b, 802.11g, and 802.11n (2.4 GHz)
DSL transmission rate	G.dmt T1.413	Downlink: 8 Mbit/s Uplink: 896 kbit/s
	ADSL	Downlink: 12 Mbit/s Uplink: 1024 kbit/s
	ADSL2+	Downlink: 24 Mbit/s Uplink: 1024 kbit/s
Wireless transmission rate	802.11b	Up to 11 Mbit/s
	802.11g	Up to 54 Mbit/s
	802.11n (2T2R antenna technology)	Up to 300 Mbit/s

Default Settings

Parameter	Default Value
LAN port IP address	192.168.1.1
LAN port subnet mask	255.255.255.0
User name to log in to the web configuration page	user
Password to log in to the web configuration page	user
WLAN name	Labeled on the product cover
WLAN password	Labeled on the product cover
Dynamic Host Configuration Protocol (DHCP) server	Enabled
WLAN	Enabled

11 For More Help

Please visit <http://consumer.huawei.com/en/support/hotline> for recently updated hotline and email address in your country or region.

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ErP Product Information

Hereby, Huawei Technologies Co.,Ltd. declares that the product meets the directive 2009/125/EC and its implementation regulation (EC) NO 1275/2008 amended by (EC) 278/2009, (EC) 642/2009, (EU) 617/2013, (EU) 801/2013, and its implementation regulation (EC) NO 278/2009.

The power consumption of product in networked standby if all wired network ports are connected and all wireless network ports are activated is 4.5 W.

For the product information displayed on the manufacturers' freely accessible websites required by (EU) No 801/2013, please visit <http://consumer.huawei.com/certification>.

