

H350L LTE Wireless Gateway User Guide



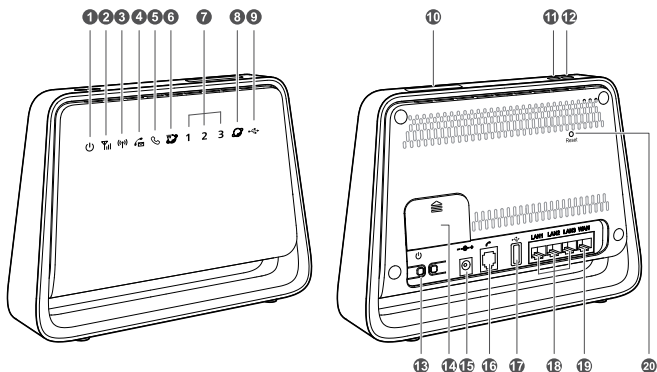
TracFone part number: H02231LBY




1 Introduction	1
2 Installation	4
Step 1: Installing the SIM card	4
Step 2: Connecting to the power adapter	5
Step 3: Setting up an Internet connection	6
Step 4: Connecting to your telephone	8
Optional: Installing external antenna	9
3 First time logging into the web user interface	10
4 Call Functions	14
Making a conference call	14
Call waiting	14
TTY Support	15
5 Wi-Fi Settings	16
Setting up a Wi-Fi connection through the WPS button	16
Changing your Wi-Fi name and password	16
6 USB device	17
Connecting a USB device	17
Sharing files on USB storage device through Samba	17
Sharing files on USB storage device through FTP	18
Adding a printer	19
7 Web UI Basic Settings	20
Connection Channel	20
Ethernet Network	20
WLAN Settings	21
WLAN Bridge Settings	22
WLAN MAC Filter	23
WPS Settings	23








8 Web UI System	25
WLAN Status.....	25
WAN Status	25
LAN Status	25
Device Information.....	25
Diagnosis	26
Modify Password	26
Master Reset.....	26
Reboot.....	26
Configuration.....	26
Update	27
9 Web UI Advanced	28
Storage Services	28
Firewall Switch.....	28
LAN IP Filter	29
LAN MAC Filter	30
URL Filter	30
Virtual Server	31
Special Applications	32
DMZ Settings	33
ALG Settings	33
UPnP Settings	34
ACL Settings	34
DHCP	35
DDNS.....	35
Antenna.....	36
Static Route	36
DMS	37
Clip Mode.....	37





10 Troubleshooting	38
What should I do if the indicators on the front panel are blinking fast?	38
What should I do if I want to log in to the web user interface?	38
What should I do if I forget the login password of the web user interface?	38
What should I do if I want to restore my H350L?	39
What should I do if there are noises during a call?.....	39
What should I do if I want to use the web user interface in Spanish?	39
What should I do if I want to set a password for my Wi-Fi?	39
What should I do if I forget the Wi-Fi password?.....	39
What should I do if I want to know my LTE/4G/3G signal strength?	40
What should I do if my LTE/4G/3G signal strength is weak?.....	40
Why am I unable to access the Internet on a client?	40
Why am I unable to access Wi-Fi on a client?	41
11 Safety information	42
12 Legal Notice	47

1 Introduction



<p>1</p>	<p> Power indicator</p>	<ul style="list-style-type: none"> ● On: the H350L is powered on. ● Off: the H350L is powered off.
<p>2</p>	<p> Network mode indicator</p>	<ul style="list-style-type: none"> ● Blinking red: SIM card unavailable. (SIM card not inserted, SIM card rejected, SIM card unregistered, SIM card invalid, PIN code unverified, or PUK code blocked.) ● Steady cyan: registered with an LTE network. ● Steady blue: registered with a 4G/3G network. ● Off: no signal. <p>i This indicator only represent there is a signal of your H350L, not the actual wireless signal strength. Login to the web user interface to view actual signal strength.</p>
<p>3</p>	<p> Wi-Fi/WPS indicator</p>	<ul style="list-style-type: none"> ● Steady on: Wi-Fi turned on or data transfer in progress. ● Blinking: a WPS connection is being set up. ● Off: Wi-Fi turned off.

<p>4</p>	 Voicemail indicator	<ul style="list-style-type: none"> ● Blinking: new voicemail messages. ● Off: no unread voicemail messages.
<p>5</p>	 Call status indicator	<ul style="list-style-type: none"> ● Steady on: call in progress. ● Blinking slowly: calling or being called. ● Blinking fast: activation required, insufficient voice balance, or out of voice balance. ● Off: on standby or call restricted.
<p>6</p>	 Wireless connection indicator	<ul style="list-style-type: none"> ● Steady on: connected to an LTE/4G/3G network. ● Blinking slowly: connecting to an LTE/4G/3G network. ● Blinking fast: activation required or out of data balance.
<p>7</p>	<p>1 / 2 / 3</p> LAN indicator	<ul style="list-style-type: none"> ● Steady on: LAN port is connected to a client. ● Blinking: data is being transmitted through LAN port. ● Off: no client is connected to LAN port.
<p>8</p>	 Wired connection indicator	<ul style="list-style-type: none"> ● Steady on: connected to an Ethernet network. ● Blinking: connecting to an Ethernet network.
<p>9</p>	 USB indicator	<ul style="list-style-type: none"> ● Steady on: USB device connected. ● Off: USB device not connected.
<p>10</p>	SIM card slot	Install a SIM card to access the Internet via an LTE/4G/3G data connection.
<p>11</p>	 Network connection button	<p>i The H350L can access the Ethernet network by Auto, Manual, or On Demand mode.</p> <p>In Manual mode, press it to manually connect to or disconnect from the Internet.</p>
<p>12</p>	 Wi-Fi/WPS button	<ul style="list-style-type: none"> ● Press and hold for about 3 seconds to turn on or off Wi-Fi. ● Press and hold for 6 or more seconds to active WPS connection when Wi-Fi is turned on.

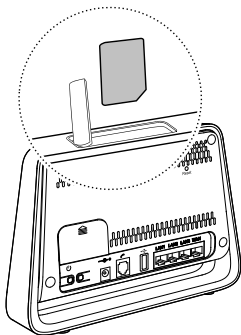
13	 Power button	Press and hold for about 3 seconds to power the H350L on or off.
14	Optional external antenna port	<p>ⓘ Important! Read Optional: Installing external antenna before installation.</p> Remove the cover to connect optional external antenna in areas with poor mobile network coverage.
15	 Power port	Connect to compatible power adapter.
16	 Telephone port	Connect to a telephone.
17	 USB port	Connect to a USB storage device, or USB printer. <p>ⓘ This port cannot be connected to USB host devices such as computers.</p> <p>ⓘ The H350L can provide a current up to 500mA. If this port is connected to a portable hard disk drive (or other peripherals) whose required current beyond what the H350L can provide, please use an auxiliary power supply for the hard disk drive.</p>
18	LAN1 / LAN2 / LAN3 LAN port	Connect to computer, switch, or other LAN device.
19	WAN WAN port	Connect to an Ethernet port on the wall through a network cable if you want to access the Internet via Ethernet connection.
20	Reset Reset button	<p>ⓘ Restoring the default settings of the H350L will erase all previous settings, but it will not affect your balance information.</p> When the H350L is powered on, use a sharply pointed object to press and hold for about 3 seconds until all indicators are blinking to restore the H350L to its factory settings. After the factory defaults are restored, the H350L will restart automatically.

2 Installation

- i** Place the H350L at an indoor open area or close to a window. Obstacles such as concrete and wooden walls will affect the transmission of the wireless signal.
- Keep the H350L away from equipment that generates strong magnetic and electric fields, for instance microwaves, refrigerators, and satellite receivers.

Step 1: Installing the SIM card

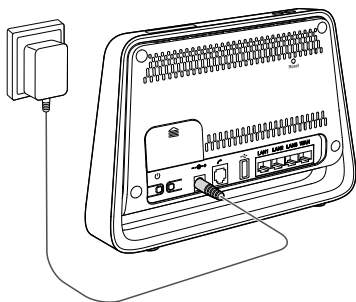
1. Pull out the card slot cover and rotate it to reveal the SIM card slot.
2. Partially insert the SIM card into the card slot. Ensure that the beveled edge of the SIM card aligns with that of the card slot. Gently push the card until it clicks into place.
3. Close the card slot cover.







- i** Before removing the SIM card, ensure that the H350L is powered off and disconnected from the power outlet.

Step 2: Connecting to the power adapter

1. Connect the power adapter to the power port and plug into the wall socket. The H350L will be powered on automatically.



2. Wait for about 60 seconds for the Internet connection initialization. Check the indicators on the front panel of your H350L. If they are lit as description below, you are ready to connect the Internet.

 Power indicator	Solid White: the H350L is powered on.
 Wireless Signal indicator	Solid Blue or Cyan: the H350L is registered with the mobile network. If this indicator is red and blinking, power off the H350L and ensure your SIM card is inserted correctly.  This indicator only represent there is a signal of your H350L, not the actual wireless signal strength. Login to the web user interface to view actual signal strength.
 Wireless network connection indicator	Solid: the H350L is connected to the mobile network. If this indicator blinking fast, you need activate your SIM card or recharge the data balance.

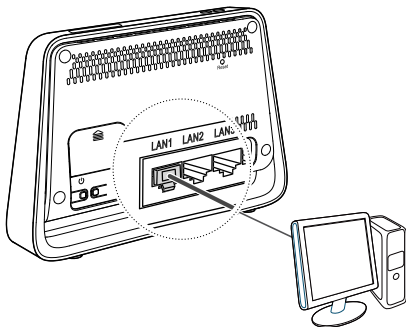
Step 3: Setting up an Internet connection

You can connect to the Internet via an Ethernet or Wi-Fi connection. Follow the instructions below to set up your Internet connection of choice.

Method 1: Connecting your computer with an Ethernet cable

1. Connect an Ethernet cable to one of the 3 **LAN** ports and connect the other end to your computer.

i **Do not** connect the Ethernet cable to the **WAN** port that is closest to the right hand side of the H350L.



2. Check the LAN indicators (**1 / 2 / 3**) on the front panel of your H350L. If they are lit as description below, you are ready to access the Internet through the computer.


1 / 2 / 3


LAN indicator

Solid: 1, 2 or 3 will be lit depending on which LAN port you are connected to.

Blinking: data is transferring.

Method 2: Setting up a Wi-Fi connection

1. Ensure that  on the front panel is steady on and Wi-Fi is enabled on your device (computer, laptop, tablet, etc.).
2. From your device, scan for wireless networks in your area. Connect to the network name that matches the SSID found on the device label on the bottom of your H350L.

 Wi-Fi Encryption of the H350L is open as default. To protect your wireless network from unauthorized access, it is recommended to set a Wi-Fi password in web user interface and change the SSID and Wi-Fi password from time to time.



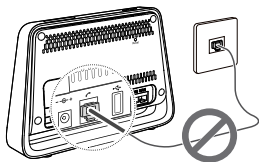
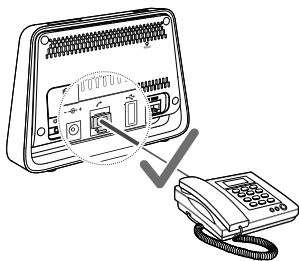
3. Wait for about 30 seconds to establish the connection. Your Wi-Fi enabled device will notify you when it is connected.

Step 4: Connecting to your telephone





1. Connect a standard telephone to the Telephone Port with an RJ-11 telephone cable. (you will require an additional voice plan to use this feature)



- Do not connect the H350L to the telephone wall outlet (or any Public Switched Telephone Network), because doing so could damage the H350L due to excessive heat.
- Radio signals can interfere with the telephone call connection and quality. To eliminate the risk of possible interference, place the telephone at least 1 meter away from the H350L.
- Fax is not supported on this H350L.



2. Check the indicators on the front panel of your H350L. If they are lit as description below, you are ready to make calls.

 Call status indicator	Not lit Solid white when you are on a call.  If this indicator blinking fast, please recharge your voice balance.
 Voicemail indicator	Blinking: new voicemail messages.  To check your voicemail, pick up your phone and then press and hold 1 key for 3-4 seconds or dial your telephone number.

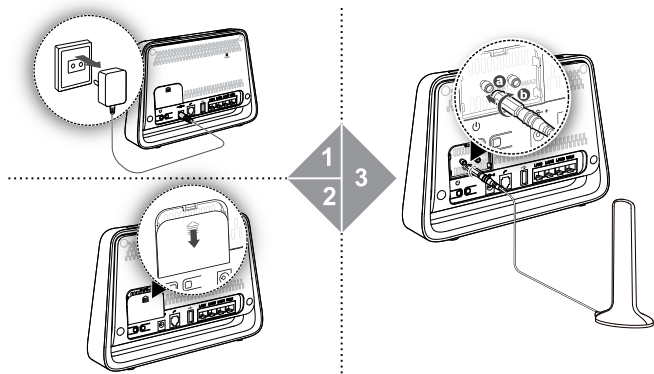
Optional: Installing external antenna

In areas with poor network coverage, connect an external antenna to the H350L's external antenna port for better signal reception.



- Only use the external antenna indoors, and do not use it during thunderstorm.
- Do not change another unexpected antenna unless manufacture provides.

1. Power off the H350L and disconnect it from the power outlet.
2. Remove the cover from the antenna port. (Keep it in a safe place.)
3. Screw external antenna fully into the **SMA1** antenna port, as shown in the following figure.




4. If it's necessary, screw another external antenna fully into the **SMA2** antenna port to get a stronger receiving signal. And place it at least 1 meter away from the external antenna installed in **SMA1**.



Do not install an external antenna to **SMA2** unless there is already an external antenna connected to **SMA1**. Only installing an external antenna to **SMA2** will result in your H350L not being able to connect to the Internet. Only installing external antenna to **SMA1** is allowed.

5. Power on the H350L and set **Antenna Mode** to **outer** in web user interface.
 - a) Log into the web user interface, and choose **Advanced > Antenna**.
 - b) In **Antenna Mode**, select **outer**.
 - c) Click **Apply**.

3 First time logging into the web user interface

1. Launch a web browser and enter **http://device.webui** or **http://192.168.1.1** in the address bar.
2. Enter the password and log in to the web user interface. The default password is printed as **WEBUI Password** on the device label located on the bottom of the H350L.
 -  ● To protect your H350L, only one user can log in to the web user interface at a time.
 - To protect your account, change the password immediately. For details, see the help information on the web user interface.
3. Follow the page or choose **Basic settings > WLAN > WLAN Settings** to configure the Wi-Fi encryption.

802.11 Authentication:	WPA/WPA2-PSK ▼
Encryption Mode:	AES+TKIP ▼
WPA pre-shared key:	●●●●●●●●

Setting a strong wireless security level (such as WPA/WPA2-PSK – AES+TKIP) can prevent unauthorized access to your Wi-Fi, and enter a Wi-Fi password you wish to use in **WPA pre-shared key**.

4. Familiar with common features.
 - **Home:**
 - Language selection: switch language will affect both to the web user interface and audio error messages in the telephone.
 - Help Information: get into help information pages.
 - Status Icons: show current status of the H350L.
 - Error Message: show error messages of the H350L.

Language Selection Help Information

ENGLISH Help admin Log Out

Status Icons

Home Balance Basic Settings System Advanced

LTE Connected Configure Service

Error Message

My Device Information

Duration: 00:00:00
 My Phone Number: 214 989 0880
 Serial Number: 888 883 010 010 000
 SIM Number: 888 884 888 881 234 567 89

WLAN Status

WLAN Status: On
 Current WiFi User: 2/32

Device Name	MAC Address
android-86d4877008c03d6a	88 888 88 712 333 C3E
android-86d4877008c03d6a	88 888 88 712 333 C3E

Refresh

● **Balance:**

Learn current balance information of your service.

ENGLISH Help admin Log Out

Home Balance Basic Settings System Advanced

Balance

REMAINING BALANCES:

Voice: 500.00 minutes
 Data: 1024.10 MB
 You have 1 service days left.

My Phone Number: 214 989 0880
 Serial Number: 888 883 010 010 000
 SIM Number: 888 884 888 881 234 567 89
 Sequence: 0

Refresh 12:01:03 PM

- Basic Settings:

The screenshot shows the Huawei Basic Settings interface. The top navigation bar includes 'Home', 'Balance', 'Basic Settings', 'System', and 'Advanced'. The left sidebar contains 'Network Configuration', 'Connection Channel', 'Ethernet Network', and 'WLAN'. The main content area is titled 'Connection Channel' and displays the following information:

- Connection Channel: Wireless Network (with a dropdown arrow)
- Apply and Connect buttons
- IPv4 Connection Status: Connected
- Duration: 00:00:00

- System:

The screenshot shows the Huawei System interface. The top navigation bar includes 'Home', 'Balance', 'Basic Settings', 'System', and 'Advanced'. The left sidebar contains 'Connection Status', 'WLAN Status', 'WAN Status', 'LAN Status', 'Device Information', 'Diagnosis', 'Modify Password', 'Master Reset', 'Reboot', 'Configuration', and 'Update'. The main content area is titled 'WLAN Status' and displays the following information:

- WLAN Status: On (with a 'Turn Off' button)
- Current WiFi User: 2/32

Below this information is a table with two columns: 'Device Name' and 'MAC Address'.

Device Name	MAC Address
android-5040775543346a	80:80:7F:28:25
android-5040775543346a	80:80:7F:28:25

● **Advanced:**

ENGLISH | Help | admin | Log Out

Home | Balance | Basic Settings | System | **Advanced**

Storage Services

Security **D**

DHCP

DDNS

Network Time and Date

Antenna

Static Route

DMS

Clip Mode

Storage Services

Enable Samba

Enable FTP Server

Apply

User name	Directory	Right	Options
123	/smb/123/12	Read only	Edit Delete
123	/smb/123/12	ReadWrite	Edit Delete

Add

Apply

4 Call Functions

Please familiarize yourself with the H350L's phone feature below before you using the telephone to make calls. (Instructions may vary depending on your telephone model.)

Making a conference call

You can conference a maximum of three people at the same time. The first call can be incoming or outgoing, but the second call must be initiated by you.

To make a conference call

1. During a call, ask the recipient to hold, then press the Flash/Talk key (varies by telephone model).
2. Dial the next number.
3. When the call is answered, press the Flash/Talk key to connect both calls. Your conference call is set up.

To disconnect one of the participants

During the call, press the Flash/Talk key (varies by telephone model). The participant who was last to join the call is disconnected.

To end the conference call

Hang up or press the End key to end the call. Your conference call ends.

Call waiting

When another call comes in, call waiting alerts you with two fast beeps. With displayed call number, you can see who is calling before deciding to interrupt your first call or let it go straight to voice mail.

To activate call waiting

Dial *43# and hang up after you hear a tone indicating Call Waiting has been activated.

To deactivate call waiting

Dial #43# and hang up after you hear a tone indicating Call Waiting has been deactivated.

To accept a call waiting

Press the Flash/Talk key (varies by phone model) during the call.

To alternate between calls

Press the Flash/Talk key (varies by phone model) during the call.

TTY Support

TTY (Text Telephony) and TDD (Telecommunications Device for the Deaf) allow individuals who are deaf, hard of hearing, or have speech or language disabilities to communicate by telephone.

When a user types his or her conversation on a TTY keyboard, it is transmitted as tones through the telephone. Tones are received by the other person's TTY, translated into text and displayed on the screen. In order to use the TTY network, you must have a TTY-compatible phone and be in the TTY mode to place or receive calls. Note that most digital wireless devices are TTY-compatible.

To deactivate TTY mode

Dial ##56*0# and hang up after you hear a tone.

To activate TTY full mode

Dial ##56*1# and hang up after you hear a tone.

In TTY full mode, you can not only make standard voice calls, but also transmit and receive TTY characters.

To activate VCO mode

Dial ##56*2# and hang up after you hear a tone.

In VCO (voice carry over) mode, you can receive TTY characters but transmit by speaking into the speaker.

To activate HCO mode

Dial ##56*3# and hang up after you hear a tone.

In HCO (hearing carry over) mode, you can transmit TTY characters but receive by listening to the receiver.



5 Wi-Fi Settings

Setting up a Wi-Fi connection through the WPS button



Before setting up the connection, please verify the following:

- The wireless security level of the H350L is WPA2-PSK or WPA/WPA2-PSK.
- The client (laptop, tablet, or smart phone) to connect to the H350L is WPS-capable.

1. Ensure that Wi-Fi is enabled both on the H350L and client.
2. Press and hold the  button for 6 or more seconds until the indicator starts blinking. 
3. Press the WPS button on the client in 2 minutes. For details, please refer to the client's user guide.

Changing your Wi-Fi name and password

Wi-Fi access requires Wi-Fi name and password. To improve your Wi-Fi security, regularly change your Wi-Fi name and password.

1. Login to the web user interface, and choose **Basic settings > WLAN > WLAN Settings**.
2. In **Name (SSID)**, enter your desired Wi-Fi name.
3. In **WPA pre-shared key**, enter your desired Wi-Fi password.
4. Click **Apply**.

6 USB device

Connecting a USB device

After you connect a USB device to your H350L, computers or other devices connected to the H350L network can access and share the data provided by the USB device.



The H350L can provide a current up to 500mA. If this port is connected to a portable hard disk drive (or other peripherals) whose required current is beyond what the H350L can provide, please use an auxiliary power supply for the hard disk drive.

Your H350L supports FAT, FAT32, NTFS, EXT2, EXT3, and HFS+ systems for reading and writing. USB storage device and USB printer can be connected to your H350L.


Sharing files on USB storage device through Samba

To prevent unauthorized users from accessing data stored in USB devices, you can set the Samba access permission for the H350L. After this permission is set, only authorized users can access data stored in USB devices.

Setting the Samba Access Permission

1. Connect the portable storage device to the H350L's USB port.
2. Login to the web user interface, and choose **Advanced > Storage Services**.
3. Check **Enable Samba**, and click **Apply**.
4. Click **Add** to add a shared path and configure the parameters.
 - a) In **User name** and **Password**, enter a user name and password, and re-enter the password to confirm it.
 - b) In **Right**, select the desired right.
 - c) In **Directory**, choose a file sharing path.
 - d) Click **Save** to save the settings.
5. Click **Apply**.

Accessing Data Using Samba

-  ● DO NOT disconnect the USB device to the **H350L** IMMEDIATELY when you just have add, modify or delete file(s). Wait 5 seconds for the operation to take effect
 - If you cannot see the effect of the USB device after you add, modify or delete file(s), you should manually refresh the folder (right click on the blank of the folder and choose **refresh**), to see the effect that have been taken.
1. Power on your computer, and connect the computer to the H350L via Ethernet cable or Wi-Fi.
 2. Choose **Start > Run**, enter the IP address of the H350L (default address: \\192.168.1.1), and then press **Enter**.
 3. Enter the user name and password you have configured in the **Storage Services** page. When the authentication is successful, you will be able to access data stored in the USB device.


Sharing files on USB storage device through FTP

To avoid unauthorized access to the USB storage device, you can set the FTP access permission on your H350L. This allows only authorized users to access the USB storage device.

Setting the FTP Access Permission

1. Connect the portable storage device to the H350L's USB port.
2. Login to the web user interface, and choose **Advanced > Storage Services**.
3. Check **Enable FTP Server**, and click **Apply**.
4. Click **Add** to add a shared path and configure the parameters.
 - a) In **User name** and **Password**, enter a user name and password, and re-enter the password to confirm it.
 - b) In **Right**, select the desired right.
 - c) In **Directory**, choose a file sharing path.
 - d) Click **Save** to save the settings.
5. Click **Apply**.


Accessing Data Using FTP

-  ● DO NOT disconnect the USB device to the **H350L** IMMEDIATELY when you just have add, modify or delete file(s). Wait 5 seconds for the operation to take effect
- If you cannot see the effect of the USB device after you add, modify or delete file(s), you should manually refresh the folder (right click on the blank of the folder and choose **refresh**), to see the effect that have been taken.

1. Power on your computer, and connect the computer to the H350L via Ethernet cable or Wi-Fi.
2. Launch a web browser, enter **ftp://192.168.1.1** and then press **Enter**.
3. In the Login dialog box, enter the user name and password you have configured in the **Storage Services** page. When the authentication is successful, you will be able to access data stored in the USB device.

Adding a printer

The H350L supports USB printers. After you connect a USB printer to your H350L through the USB port, you can access the printer from the internal network.

-  ● Take a computer with Windows 7 operating system as an example.
 - If the external USB printer cannot be used, please consult the printer manufacturer whether this method is supported.
1. Install the printer's driver in your computer, and then connect the computer and H350L via Ethernet cable or Wi-Fi.
 2. Connect printer to the H350L with USB cable and then power them on.
 3. Log in to web user interface, and select **Advanced > Storage Services**.
 4. Check the **Enable Samba**, and click **Apply**.
 5. Click **Add**, to configure the parameters as follows.
 - **User name/Password**: Follow the page to enter username and password. When accessing Samba, you need to input these parameters to login.
 - **Right**: Select **Read only**.
 - **Directory**: Click **Browse** and select the root directory of the printer.
 6. Choose **Start > Run**, enter the default IP address of the H350L: **\192.168.1.1**, and then press **Enter**.
 7. In the shown dialog box, enter the username and password you have configured on the **Storage Services** page to access the Samba service.
 8. Double click the printer icon in the window, follow the wizard and select the corresponding printer driver to add a printer. Wait a few minutes for the settings to take effect.
 9. Check the status of printer from **Control Panel**, printer window. Status should be shown ready. Now you can use the printer.

7 Web UI Basic Settings

Connection Channel

The H350L can access the Internet through mobile network or Ethernet connection, it cannot use both network simultaneously. When you want to change the network connection parameters, please re-configure the current connection.

Configuring Path

Basic Settings > Network Configuration > Connection Channel

Parameters Description

- **Connection Channel:** Select the connection mode.
 - **Wireless Network:** the H350L connects to the Internet via mobile network.
 - **Ethernet Network:** the H350L connects to the Internet via Ethernet connection.
- **Profile list:** In Ethernet connection mode, select a configured profile from the list.



If you want to edit, delete or add a profile, see **Ethernet Network**.

- **Apply:** Click to make the settings take effect.

Ethernet Network

Ethernet WAN profile is a set of parameters, with these parameters right configured, you can access the Internet via Ethernet connection.

Configuring Path

Basic Settings > Network Configuration > Ethernet Network

Parameters Description

- **Profile name:** Enter the name of the profile.
- **Connection Type:** Select a connection type.
 - **IP_Route(PPP):** If your service provider provides you the dial-up username and password, please choose this connection type.
 - ◆ **Authentication Mode:**
 - > **Auto:** the H350L selects an authentication mode as required by your service provider.

- > **PAP:** simple plain text authentication mode. This mode is the least secure. User names and passwords are relatively easy to hack.
- > **CHAP:** encrypted authentication mode. This mode is the most secure. Your password is not transmitted.

◆ **Connection Mode:**

- > **Auto:** after the H350L is powered on, the H350L connects to the Internet through a dialup connection. Select this mode if you use a monthly or yearly package.
- > **Manual:** after the H350L is powered on, log in to the H350L web page to manually set up a dialup connection. If you do not require Internet access, simply terminate the network connection. Select this mode if you use a time-based package. It can help you lower Internet access fees.
- > **On demand:** after the H350L is powered on, it sets up a dialup connection when it detects that you require Internet access. If the H350L does not detect Internet access requests within the **Max. idle time (s)**, the H350L ends the network connection. Select this mode if you require Internet access at different times and have trouble setting up a manual connection.
- > **Max. idle time (s):** this specifies the longest idle period for the Internet connection. In **On demand** mode, the H350L disconnects from the Internet automatically if no data is transmitted during this specified period.

◆ **User name:** Enter username provided by your service provider.

◆ **Password:** Enter password provided by your service provider.

– **IP_Route(IP):** If your service provider did not provide you the dial-up username and password, please select this connection type.

◆ **IPv4 addressing type:**

- > **DHCP:** The server of your service provider automatically allocates an IP address to your computer.
- > **Static:** The fixed IP address is provided by your service provider.

● **Save:** Click to save the settings.

WLAN Settings

Your smart phone or wireless-capable computer can access the Internet through WLAN.

Configuring Path


Basic Settings > WLAN > WLAN Settings

Parameters Description

Basic Setting

- **SSID Index:** Select the index of the SSID you want to configure. the H350L support more than one SSID.
- **Name (SSID):** The SSID is a name that identifies a wireless local area network (WLAN). A wireless device can communicate with the H350L properly only when they are using the same SSID. To ensure the WLAN security, do not use the default SSID, You can define an SSID as required.
- **Max Associations Limit:** The maximum number of connections. It is used to set the maximum number of concurrent WLAN users on this SSID.

WLAN Encryption

- **802.11 Authentication:** Your WLAN is protected after you encrypt it. Users can access the WLAN only after entering the correct password. **WPA/WPA2-PSK** is recommended.
- **Encryption Mode:** A proper encryption mode facilitates WLAN encryption configuration. **AES+TKIP** is recommended.
- **WPA pre-shared key:** WLAN password.
-  It is recommended that you use **WPA/WPA2-PSK** and **AES+TKIP**, which improves WLAN efficiency and enhances security.

Advanced Settings

- **Channel:** Select a WLAN channel according to the interference level. **Auto** is the most common setting for home networks.
- **AP Isolation:** Isolate all wireless clients so that the clients can access only the specified network. This function is similar to VLAN technology.
- **WMM (QoS):** Ensure data, voice, music, and video applications run smoothly on WLANs.
- **SSID Broadcast:** Enable or disable SSID broadcast. If **Disable** is selected, a wireless client cannot search for the WLAN. To join the WLAN, you should enter the SSID. Disable SSID broadcast will enhances WLAN security.
- **WPS Settings:** Enable or disable WPS function. With WPS, you can add a wireless terminal to a WLAN without entering the SSID and password.
- **Apply:** Click to make the settings take effect.


WLAN Bridge Settings

With WLAN bridge function, you can connect two or more router which also support WLAN bridge function together, to build up a larger network.

Configuring Path

Basic Settings > WLAN > WLAN Bridge Settings

Parameters Description

- **Bridge Restriction:**
 - **Lazy:** Allows only the devices that know the MAC address of this **H350L** to access to.
 - **Bridge:** Enable WLAN bridge function.
 - **Disable:** Disable WLAN bridge function.
- **Peer MAC address:** if you select **Bridge** in **Bridge restriction**, you can enter the MAC address of the router that you want to connect.
-  Please ensure the router have the same Channel, Name (SSID), 802.11 Authentication, Encryption Mode and WPA pre-shared key as the H350L.
- **Link status:** Show the status of the router.
- **Apply:** Click to make the settings take effect.

WLAN MAC Filter

Permits or prevents a specified wireless client from accessing WLAN.

Configuring Path


Basic Settings > WLAN > WLAN MAC Filter

Parameters Description

- **SSID Index:** Select the one you want to apply the rules.
- **WLAN MAC Filter:**
 - **Deny:** If the MAC address of a client listed in **MAC Address**, the wireless client is prohibited from accessing WLAN.
 - **Allow:** If the MAC address of a client is listed in **MAC Address**, the wireless client is allowed to accessing WLAN.
 - **Disable:** Disable the function of filtering MAC addresses. The wireless client can accessing to the Internet without restrictions of MAC address.
- **MAC Address:** Enter the MAC addresses of the wireless clients to be controlled.
- **Apply:** Click to make the settings take effect.

WPS Settings

WLAN Protected Setup (WPS) simplifies WLAN security settings. With WPS, you can add a wireless terminal to a WLAN without entering the SSID and password.

-  WPS can be used only when WLAN is enabled, **AES** or **AES+TKIP** is used, and **WPA2-PSK** or **WPA/WPA2-PSK** is used.

1. Select **Basic Settings > WLAN > WPS Settings**.

2. From **WPS Mode**, select a WPS mode. And enable the WPS PIN function of wireless client.

- Select **client-pin**, enter the wireless client's WPS PIN in **WPS PIN**.
- Select **ap-pin**, enter the WPS PIN that shown in the **WPS PIN** into the wireless client's WPS PIN textbox.



For details about the wireless client's operations, see its user guide.

3. Click **Apply**.

8 Web UI System

WLAN Status

View the current WLAN status of **H350L**, such as connection status and MAC address of the clients.

Configuring Path

System > Connection Status > WLAN Status

Parameters Description

- **Turn Off/Turn On:** Turn on or off the WLAN function.
- **Refresh:** Click to refresh the current information of clients.

WAN Status

View the Internet connection status and network addresses of the **H350L**.

Configuring Path

System > Connection Status > WAN Status

LAN Status

View IP and MAC addresses of the **H350L** and LAN devices. For example, if you want to use MAC address filtering, you can find configured device MAC addresses.

Configuring Path

System > Connection Status > LAN Status

Parameters Description

Refresh: Click to refresh the web page to update LAN status and view newest information.

Device Information

View detailed information about the H350L.

Configuring Path

System > Device Information

Diagnosis

You can view the current status of the H350L to have a diagnosis.

Configuring Path

System > Diagnosis

Modify Password

When logging in to the web page, enter the correct user name and password. Frequently changing the user name and password can help prevent unauthorized users from accessing the page and modifying important parameters.

1. Select **System > Modify Password**.
2. In **Current Password**, enter the current password.
3. In **New Password**, enter the new password.
4. In **Confirm Password**, enter the new password again to confirm.
5. Click **Apply**.



To protect your account, your new password should meet the instructions on the management page.

Master Reset

When the H350L does not work properly or you forgotten the configured parameters (such as login password and WLAN password), you can restore it to the factory defaults.



After restore factory settings, all custom data will be lost. Exercise caution when you restore factory settings.

1. Select **System > Master Reset**.
2. Click **Restore**, wait until H350L to restart.

Reboot

When the H350L does not work properly, you can reboot it.

1. Select **System > Reboot**.
2. Click **Reboot**, wait H350L to restart.

Configuration

After finish all the H350L's parameters configuration, you can back up all the configurations as a file, then you can quickly restore the H350L to previous configuration.

1. Select **System > Configuration**.
2. Click **Back Up**, export the settings of the H350L and save them as a configuration file.

To restore the settings backup before, do the following:

1. Click **Browse** and select the configuration file that has saved before.
2. Click **Restore** to restore the settings of the H350L.

Update

After your H350L is connected to the Internet, you can use this function to download the upgrade package from cloud server and upgrade the H350L.



Ensure that the **H350L** is connected to the Internet before updates. When upgrade is processing, do not close the web browser or power off the **H350L**.

1. Select **System > Update**.
2. Click **Check for updates** to check for updates.
3. If there is a new version available, click **OK** to download upgrade package.
4. After download is complete, click **OK** to start upgrade.
5. Wait until the H350L restart.

9 Web UI Advanced

Storage Services

With USB storage services, you can view, modify, add or delete the shared file(s) on the USB device.

1. Select **Advanced > Storage Services**.
2. Check one or both of the **Enable Samba** and **Enable FTP Server** to enable Storage Services. Click **Apply**.
 - **Enable Samba**: After the shared Samba service is enabled, you can also access data in the USB storage device by accessing the shared directory. Visit `\\192.168.1.1` (also the IP address of your **H350L**) to access the shared directory.
3. Click **Add** to add a shared path and configure the parameters.
 - **Enable FTP Server**: After the shared FTP service is enabled, you can securely and easily access data in the USB storage device by accessing the FTP server. Visit `ftp://192.168.1.1` to access the shared directory.
3. Click **Add** to add a shared path and configure the parameters.
 - **User name**: Enter username used to access the shared directory.
 - **Password**: Enter password used to access the shared directory.
 - **Right**:
 - Read only**: Only allowed clients to read the file(s) in the shared directory.
 - Read/Write**: Allow clients to read and write file(s) in the shared directory.
 - **Directory**: Browse and select shared directory.
 - **Save**: Click to save the settings.
4. Click **Apply**.



The Samba service is often used on home networks. Because some network devices may not support Samba, other computers on the Internet may fail to access shared data through the Samba service.



You can edit or delete an existed item by click the **Edit** or **Delete** button behind it.

Firewall Switch

The Internet is an open network that keeps computers around the world connected. Unfortunately, this means these computers are vulnerable to hacking attacks. The H350L was designed with this threat in mind, and provides strong protection measures against attacks, creating a safe network environment.

Configuring Path

Advanced > Security > Firewall Switch

Parameters Description

- **Enable firewall:** The firewall is a security component that stands between the Internet and computer. After the firewall is enabled, all communication data between the Internet and computer must pass through the firewall. You can set rules for the firewall to filter out data packets and protect your computer against network attacks.
- **Enable IP address filter:** Enable IP address filter, then you can configure **LAN IP Filter**.
- **Disable WAN port ping:** Disable WAN port ping to prevent ping by Internet users.
- **Enable LAN MAC address filter:** Enable MAC address filter, then you can configure **LAN MAC Filter**.
- **Enable URL filter:** Enable URL filter, then you can configure **URL Filter**.

LAN IP Filter

Permits or prevents a client with the specified IP address from using the specified Internet service.

Configuring Path

Advanced > Security > LAN IP Filter

Parameters Description

- **LAN IP Filter Mode:**
 - **Allow:** The filter rules in **LAN IP Filter List** will be allowed.
 - **Deny:** The filter rules in **LAN IP Filter List** will be denied.
- **Protocol:** Select a service type or **ALL**.
- **Status:** Select whether to turn on this rule.
- **LAN start IP, LAN end IP, LAN start port and LAN end port:** Enter LAN IP address and port.
- **WAN start IP, WAN end IP, WAN start port and WAN end port:** Enter WAN IP address and port.
- **Save:** Click to save the settings.
- **Apply:** Click to make the settings take effect.

Blocking a computer from Accessing a Specified Website

To block the device whose IP address is 192.168.1.101 in the wireless local area network (WLAN) from accessing **www.***.com**, set the parameters as the following:

Parameters	Setting
Protocol	Select ALL .
Status	Select On .
LAN start IP/LAN end IP	In LAN start IP and LAN end IP , input 192.168.1.101 .
LAN start port/LAN end port	In LAN start port and LAN end port , input 80 .
WAN start IP/WAN end IP	Enter the WAN address of the www.***.com .
WAN start port/WAN end port	In WAN start port and WAN end port , input 80 .

LAN MAC Filter

Permits or prevents a specified wireless client from accessing LAN.

Configuring Path

Advanced > Security > LAN MAC Filter

Parameters Description

- **LAN MAC Filter Mode:**
 - **Allow:** Allow the clients with addresses in the **MAC Address** list to access the LAN.
 - **Deny:** Deny the clients with addresses in the **MAC Address** list to access the LAN.
- **MAC Address:** Enter MAC addresses. The **H350L** can perform the access control over the clients whose MAC addresses are in the list.
- **Apply:** Click to make the settings take effect.

URL Filter

URL filter limits and filters websites that users can access.

Configuring Path

Advanced > Security > URL Filter

Parameters Description

- **URL Filter Mode:**
 - **Allow:** Allow the clients connect to the website which in the URL addresses list.
 - **Deny:** Prevent the clients connect to the website which in the URL addresses list.
- **URL:** Enter or modify the URL address to be allowed or denied in edit mode.
- **Apply:** Click to make the settings take effect.

Virtual Server

You can set virtual server rules on the H350L, so that users can easily access server resources provided by your computer (such as personal websites and FTP servers) from the Internet.

Configuring Path

Advanced > Security > Virtual Server

Parameters Description

- **Name:** Enter name of this rule.
- **Status:** Select whether to turn on this rule.
- **Common port:** Select the service type that your computer provides.
- **LAN address:** Enter the LAN IP address of your computer.
- **Protocol:** Select an appropriate transition protocol.
- **Save:** Click to save the settings.
- **Apply:** Click to make the settings take effect.

Configuring an FTP Server

To enable a device whose IP address is 192.168.1.101 to provide FTP services and be accessed by Internet users, set the parameters as the following:

Name	Status	Common port	WAN Port	LAN Port	LAN address	Protocol
FTP Server	On	FTP(21)	21	21	192.168.1.101	TCP/UDP

To access the FTP server from Internet, do as following:

1. Choose **System > Connection Status > WAN Status**, view the WAN IP address of the **H350L**. For example 10.2.1.123.

2. In the browser of an Internet user, enter the FTP server address (**ftp://10.2.1.123**) and access the FTP services provided by the device whose IP address is 192.168.1.101.



By default, the FTP service port is 21. If this port is changed (for example, it is changed to 8021), the external user must enter **ftp://10.2.1.123:8021** to access the FTP server.

Special Applications

When clients send connection requests for applications such as video conferencing, VoIP, and online games to Internet servers, the Internet servers also need to initiate connections to the clients. When an Internet server initiates a connection request to a LAN computer, the connection is terminated because the H350L port is not enabled by default. You can configure special application, when an Internet server initiates a connection request to a LAN computer, an application of the LAN computer initiates a connection to the Internet server port, triggering the H350L port to be enabled. Then the application on the LAN computer can communicate with the Internet server through the H350L port.

Configuring Path

Advanced > Security > Special Applications

Parameters Description

- **Common port:** Select an application type, view or modify the existing special application. Or leave it as **Select** to add a user-defined special application.
- **Name:** Enter name of this application.
- **Status:** Select whether to turn on this application.
- **Trigger Protocol:** Select the protocol used by an application on a LAN computer to initiate a connection to an Internet server.
- **Trigger start port/Trigger end port:** Set the port number used by an application on a LAN computer to initiate a connection to an Internet server.
- **Open start port/Open end port:** Set the port number of the port to be enabled. After an application successfully initiates a connection to a server port, the H350L enables a port. The Internet server can then establish a connection with the LAN computer through the enabled H350L port.
- **Save:** Click to save the settings.
- **Apply:** Click to make the settings take effect.

Configure a Special Application to Play MSN game

A client in the LAN uses TCP to access the MSN game server through port 47624. When the game starts, the game server uses TCP and port 2400 to set up a connection to the client that tries to access the server. In this case, you need configure a special application as the following:

Name	Status	Trigger Protocol	Trigger start port	Trigger end port	Open start port	Open end port
MSN Gaming Zone	On	TCP	47624	47624	2300	2556



For details about **Trigger Port**, **Trigger Protocol** and **Open Port**, contact your service provider.

DMZ Settings

When your computer in LAN building a server, you can configure the computer providing external services as a DMZ host to exposed to the Internet, helps protect other computers on the home network.

Configuring Path

Advanced > Security > DMZ Settings

Parameters Description

- **DMZ Status:** Enable or disable DMZ function.
- **DMZ IP Address:** Enter the LAN IP address of the computer that provides service to the Internet.
- **Apply:** Click to make the settings take effect.

ALG Settings


The application layer gateway parses application layer information to ensure communication over the application layer.

Configuring Path

Advanced > Security > ALG Settings

Parameters Description

- **H323 status:** H.323 transmits data of video conferencing and multimedia conferencing services.
- **RTSP status:** The Real Time Streaming Protocol (RSTP) transmits multimedia data.
- **PPTP status:** The Point to Point Tunneling Protocol (PPTP) is mainly used in virtual private networks (VPNs) to enable Internet users to securely access enterprise VPNs.
- **Enable SIP ALG:** The Session Initiation Protocol (SIP) transmits data of VoIP services.

-  Sometimes Internet network itself has already support **Enable SIP ALG**, this will cause VoIP service will not work properly when **Enable SIP ALG** of the **H350L** is enabled. In this case, disable **Enable SIP ALG**.
- **SIP port**: This parameter specifies the port number of the SIP proxy server. The SIP proxy server can use this port number to connect to the network. For details, consult the SIP proxy platform carrier.
- **Apply**: Click to make the settings take effect.

UPnP Settings


The H350L supports universal plug and play (UPnP) for various network devices. If UPnP is enabled, devices supporting UPnP can automatically join the network, simplifying configuration procedures.

Configuring Path

Advanced > Security > UPnP Settings

Parameters Description

- **UPnP Status**: Enable or Disable UPnP function.
- **CONE NAT**: Enable Cone NAT if you need to use Xbox or PS.
- **Apply**: Click to make the settings take effect.

 To make UPnP service take effect, you need to enable the UPnP service of the connected devices as well.

ACL Settings

Set the conditions for other devices to access the H350L. Only the devices that meet the conditions are allowed to access the H350L. After ACL is enabled, you can limit the access rights of unauthorized users and prevent network resources from being used improperly.

Configuring Path

Advanced > Security > ACL Settings

Parameters Description

- **LAN**: ACL rule of local area network.
- **WAN**: ACL rule of wide area network.
- **HTTP**: Hypertext Transfer Protocol (HTTP), which used for browsing website.
- **SSL**: Secure Sockets Layer (SSL), which provide secure and data integrity for network communication.
- **FTP**: File Transfer Protocol (FTP), which used for download and upload files.
- **Apply**: Click to make the settings take effect.

DHCP

The **H350L** automatically allocates network parameters, such as an IPv4 address and DNS server address, to your computer, and implements centralized management of IPv4 addresses.

Configuring Path

Advanced > DHCP

Parameters Description

- **IP Address:** Enter the IPv4 address of the **H350L**.
- **Subnet Mask:** Enter the subnet mask of the **H350L**.
- **DHCP Server:** Enable or disable the DHCP server.
- **Start IP Address, End IP Address:** Enter start and end LAN IPv4 address.
- **DHCP Lease Time (s):** Lease of an allocated IP address. After the lease expires, the **H350L** re-allocates an IP address to the computer.
- **Apply:** Click to make the settings take effect.

DDNS

The Dynamic Domain Name System (DDNS) dynamically maps an IP address to a domain name. After DDNS is enabled, the **H350L** sends the dynamic IP address of your computer to the DDNS server. The DDNS server then maps the updated IP address to a fixed domain name. Internet users can use the fixed domain name to access resources that your computer provide, without tracing the IP address of your computer.

Configuring Path

Advanced > DDNS

Parameters Description

- **Provider:** Register your computer with the DDNS server, such as **www.dyndns.org**, and select a DDNS server name, such as **DynDns.org**. The DDNS service provider will provide the user name and password.
- **Domain:** Enter the domain name that you have obtained from the domain name administrative organization.
- **User name:** Enter the user name that you have registered on the DDNS server.
- **Password:** Enter the password that you have registered on the DDNS server.
- **Apply:** Click to make the settings take effect.


Antenna

You can choose whether to use the external antenna.

Configuring Path

Advanced > Antenna

Parameters Description

- **Antenna Mode:** Select a antenna mode.
 - **Inner:** In the area covered with strong signal, select this option and uninstall the external antenna.
 - **Outer:** In the area covered with weak signal, install the external antenna and select this option.
-  If you want to select **Outer**, please ensure that you have installed a proper external antenna.
- **Apply:** Click to make the settings take effect.

Static Route

A route specifies the path where a data packet is transmitted from the source IP address to the destination IP address. Static route is manually configured by a network administrator. After a static route is configured, the **H350L** records the static route in its routing table and sends information from the source IP address to the destination IP address according to the static route.

Configuring Path

Advanced > Static Route

Parameters Description

- **Destination Network Address:** Enter the destination IP address.
- **Subnet Mask:** Enter the subnet mask of destination IP address.
- **Default Gateway:** Enter the default gateway of destination IP address.
- **Interface:**
 - **LAN/bro:** If destination IP address is in LAN, please select this.
 - **Interface:** If destination IP address is on the Internet, please select specific wan path.
- **Apply:** Click to make the settings take effect.

DMS

Digital Media Server (DMS) aims to interwork wire networks with wireless networks (such as wired and wireless networks contain personal computers, consumer appliances, and mobile devices) in an effort to build a seamless environment in which people can share and develop fresh data media and services.



Before using this function, make sure that the storage devices are connected through the USB port.

1. Select **Advanced > DMS**.
2. Check the **Enable DMS** to enable the DMS.
3. Click **Browse** to select a folder that needs to be shared.



- If a folder name cannot be displayed, uncheck **Auto detect UTF-8. Change this option when you encounter unreadable characters when browsing**.
- A maximum of 5000 sub-folders can be displayed in a shared folder. And a maximum of 4096 characters are allowed to be the path of a shared folder.

4. Click **Apply**.

Accessing Shared File (Take a computer with Windows 7 operating system as an example)

1. Power on the computer.
2. Connect the computer to **H350L** via wired way or Wi-Fi way.
3. Enable the **Windows Media Player** of the computer.
4. Click **Home Gateway Media Server**.
5. View the shared files.




Clip Mode

Set the caller ID display mode of the incoming call if your Caller ID display does not work properly.

1. Select **Advanced > Clip**.
2. From **Clip Mode**, select a value.
3. Click **Apply**.

10 Troubleshooting

What should I do if the indicators on the front panel are blinking fast?

When...	It means...
 is blinking fast	SIM card unavailable. (SIM card not inserted, SIM card rejected, SIM card unregistered, SIM card not valid, PIN code enabled, or PUK code blocked.)
 is blinking fast	Activation required, insufficient voice balance or out of voice balance.
 is blinking fast	Activation required or out of data balance.

What should I do if I want to log in to the web user interface?

1. Launch a web browser and enter **http://device.webui** or **http://192.168.1.1** in the address bar.
2. Enter the password, and log in to the web user interface. The default password is printed as **WEBUI Password** on the device label located on the bottom of the H350L.

What should I do if I forget the login password of the web user interface?

The default password is printed as **WEBUI Password** on the device label located on the bottom of the H350L.

If you modified it, restore the H350L to factory default. Then you can use the default password to login again. Please note that restoring to the default settings will erase all previous settings.

What should I do if I want to restore my H350L?

- **Method 1:**

When the H350L is powered on, use a sharply pointed object to press and hold for about 3 seconds until all indicators are blinking to restore the H350L to its factory settings. After the factory defaults are restored, the H350L will restart automatically.

- **Method 2:**

1. Log in to the web user interface and select **System > Master Reset**.
2. Click **Restore**, wait until H350L to restart.

What should I do if there are noises during a call?

Wireless signal interference will affect call quality, please keep the telephone away from H350L and other wireless devices.

What should I do if I want to use the web user interface in Spanish?

Login to the web user interface, from the language selection on the upper-right corner choose **ESPAÑOL**. This will also take effect to the audio error messages in telephone.



What should I do if I want to set a password for my Wi-Fi?

Login to the web user interface, choose **Basic settings > WLAN > WLAN Settings**. Setting a strong wireless security level (such as WPA/WPA2-PSK – AES+TKIP) can prevent unauthorized access to your Wi-Fi, and enter a Wi-Fi password you wish to use in **WPA pre-shared key**.

What should I do if I forget the Wi-Fi password?

Choose **Basic Settings > WLAN > WLAN Settings**, Check **Show password** then you can view the password in WPA pre-shared key.



What should I do if I want to know my LTE/4G/3G signal strength?

Login to the web user interface, in **Home** page, you can learn from  which indicate the signal strength from weak to strong. 

What should I do if my LTE/4G/3G signal strength is weak?

- **Method 1:** move H350L to an appropriate place
Make sure that H350L is located within wireless network coverage. And move H350L to an appropriate place, such as beside the window, to get better signal.
- **Method 2:** install external antenna
Refer to **Optional: Installing external antenna.**

Why am I unable to access the Internet on a client?

1. Check that clients are connected to the H350L properly.
2. Check that the H350L is powered on properly.
3. Check that the  indicator on the front panel is steady cyan or blue. If it is blinking red fast, there might be something wrong with your SIM card (SIM card not inserted, SIM card rejected, SIM card unregistered, SIM card invalid, PIN code unverified, or PUK code blocked.).
4. Check that the  indicator on the front panel is steady on.
5. Check that the H350L is in a location covered by communication networks and that the signal strength is strong.
6. Check there is no error messages on the home page of web user interface, also check that the device has adequate data balance.
7. If the Dynamic Host Configuration Protocol (DHCP) service is not enabled and the clients are set to obtain IP addresses dynamically, the clients cannot access the Internet. In this case, enable the DHCP service. For details, refer to **DHCP**.
8. Check that the network adapters of the clients are working properly.
9. Contact your service provider if the problem persists.

Why am I unable to access Wi-Fi on a client?

1. Check whether there are potential interference sources or shielding objects near the H350L. If any, adjust the placement of the H350L.
2. Check and record the settings of the following parameters on the clients and the H350L: **SSID**, **Encryption mode**, and **WPA pre-shared key** (Wi-Fi password). The service set identifier (SSID) of the clients must be set to **ANY** or be same as that set on the H350L. The encryption mode and the Wi-Fi password on the clients must match those set on the H350L. Otherwise, change the settings on the clients.
3. If the Media Access Control (MAC) address filtering in the wireless local area network (WLAN) is enabled on the H350L, check that the MAC addresses of the clients are not in the **Deny** list. For details, refer to **WLAN MAC Filter**.

11 Safety information

This section contains important information about the operation of your device. It also contains information about how to use the device safely. Read this information carefully before using your device.

Electronic device

Do not use your device if using the device is prohibited. Do not use the device if doing so causes danger or interference with other electronic devices.

Interference with medical equipment

- Follow rules and regulations set forth by hospitals and health care facilities. Do not use your device where prohibited.
- Some wireless devices may affect the performance of hearing aids or pacemakers. Consult your service provider for more information.
- Pacemaker manufacturers recommend that a minimum distance of 15 cm be maintained between a device and a pacemaker to prevent potential interference with the pacemaker. If using a pacemaker, hold the device on the side opposite the pacemaker and do not carry the device in your front pocket.

Areas with flammables and explosives

- Do not use the device where flammables or explosives are stored (in a gas station, oil depot, or chemical plant, for example). Using your device in these environments increases the risk of explosion or fire. In addition, follow the instructions indicated in text or symbols.
- Do not store or transport the device in containers with flammable liquids, gases, or explosives.

Operating environment

- Avoid dusty, damp, or dirty environments. Avoid magnetic fields. Using the device in these environments may result in circuit malfunctions.
- Before connecting and disconnecting cables, stop using the device and disconnect it from the power supply. Ensure that your hands are dry during operation.
- Place the device on a stable surface.
- Keep the device away from electronic appliances that generate strong magnetic or electric fields, such as a microwave oven or refrigerator.
- During thunderstorms, power off your device and remove all cables connected to it to protect against lightning strikes.

- Do not use your device during thunderstorms to protect your device against any danger caused by lightning.
- Ideal operating temperatures are 0°C to 45°C. Ideal storage temperatures are -30°C to +60°C. Extreme heat or cold may damage your device or accessories.
- Keep the device and accessories in a well-ventilated and cool area away from direct sunlight. Do not enclose or cover your device with towels or other objects. Do not place the device in a container with poor heat dissipation, such as a box or bag.
- Do not expose your device to direct sunlight (such as on a car dashboard) for prolonged periods.
- To protect your device or accessories from fire or electrical shock hazards, avoid rain and moisture.
- Keep the device away from sources of heat and fire, such as a heater, microwave oven, stove, water heater, radiator, or candle.
- Do not place any object, such as a candle or a water container, on the device. If any foreign object or liquid enters the device, immediately stop using it, power it off, and remove all cables connected to it. Then, contact an authorized service center.
- Do not block device openings. Reserve a minimum of 10 cm around the device to dissipate heat.
- Stop using your device or applications for a while if the device is overheated. If skin is exposed to an overheated device for an extended period, low temperature burn symptoms, such as red spots and darker pigmentation, may occur.
- Do not touch the device's antenna. Otherwise, communication quality may be reduced.
- Do not allow children or pets to bite or suck the device or accessories. Doing so may result in damage or explosion.
- Observe local laws and regulations, and respect the privacy and legal rights of others.
- The device should be installed and operated with a minimum distance of 20 cm between the radiator and your body.
- Keep the device in a place with good reception. The distance between the device and other metal materials (such as metal brackets or metal doors and windows) should be greater than 25 cm and the distance between the device should be greater than 30 cm.

Child's safety

- Comply with all precautions with regard to child's safety. Letting children play with the device or its accessories may be dangerous. The device includes detachable parts that may present a choking hazard. Keep away from children.

- The device and its accessories are not intended for use by children. Children should only use the device with adult supervision.

Accessories

- Using an unapproved or incompatible power adapter, charger or battery may cause fire, explosion or other hazards.
- Choose only accessories approved for use with this model by the device manufacturer. The use of any other types of accessories may void the warranty, may violate local regulations and laws, and may be dangerous. Please contact your retailer for information about the availability of approved accessories in your area.

Power adapter safety

- The power plug is intended to serve as a disconnect device.
- For pluggable devices, the socket-outlet shall be installed near the devices and shall be easily accessible.
- Unplug the power adapter from electrical outlets and the device when not in use.
- Do not drop or cause an impact to the power adapter. If it is damaged, take it to an authorized service center for inspection.
- If the power cable is damaged (for example, the cord is exposed or broken), or the plug loosens, stop using it at once. Continued use may lead to electric shocks, short circuits, or fire.
- Do not touch the power cord with wet hands or pull the power cord to disconnect the power adapter.
- Do not touch the device or the power adapter with wet hands. Doing so may lead to short circuits, malfunctions, or electric shocks.
- If your power adapter has been exposed to water, other liquids, or excessive moisture, take it to an authorized service center for inspection.
- Ensure that the power adapter meets the requirements of Clause 2.5 in IEC60950-1/EN60950-1/UL60950-1 and has been tested and approved according to national or local standards.

Cleaning and maintenance

- During storage, transportation, and operation of the device, keep it dry and protect it from collision.
- Keep the device and accessories dry. Do not attempt to dry it with an external heat source, such as a microwave oven or hair dryer.
- Do not expose your device or accessories to extreme heat or cold. These environments may interfere with proper function and may lead to fire or explosion.
- Avoid collision, which may lead to device malfunctions, overheating, fire, or explosion.

- If the device is not going to be used for an extended period of time, power it off, and remove all cables connected to it.
- If anything unusual occurs (for example, if the device emits smoke or any unusual sound or smell), immediately stop using it, power it off, remove all cables connected to it, and contact an authorized service center.
- Do not trample, pull, or excessively bend any cable. Doing so may damage the cable, causing the device to malfunction.
- Before you clean or maintain the device, stop using it, stop all applications, and disconnect all cables connected to it.
- Do not use any chemical detergent, powder, or other chemical agents (such as alcohol and benzene) to clean the device or accessories. These substances may cause damage to parts or present a fire hazard. Use a clean, soft, and dry cloth to clean the device and accessories.
- Do not place magnetic stripe cards, such as credit cards and phone cards, near the device for extended periods of time. Otherwise the magnetic stripe cards may be damaged.
- Do not dismantle or remanufacture the device and its accessories. This voids the warranty and releases the manufacturer from liability for damage. In case of damage, contact an authorized service center for assistance or repair.

Emergency calls

The availability of emergency calls is subject to your cellular network quality, service provider policy, and local laws and regulations. Never rely solely on your device for critical communications like medical emergencies.

Environmental protection

- The device and its accessories (if included), such as the power adapter, headset, and battery should not be disposed of with household garbage.
- Disposal of the device and its accessories is subject to local regulations. Support proper collection and recycling.

FCC Regulatory Compliance

FCC 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 or more 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.

This device 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.

Caution: Any changes or modifications to this device not expressly approved by Huawei Technologies Co., Ltd. for compliance could void the user's authority to operate the equipment.

12 Legal Notice


Copyright © Huawei Technologies Co., Ltd. 2014. All rights reserved.

No part of this manual may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Technologies Co., Ltd. and its affiliates ("Huawei").

The product described in this manual may include copyrighted software of Huawei and possible licensors. Customers shall not in any manner reproduce, distribute, modify, decompile, disassemble, decrypt, extract, reverse engineer, lease, assign, or sublicense the said software, unless such restrictions are prohibited by applicable laws or such actions are approved by respective copyright holders.

Trademarks and Permissions



HUAWEI, **HUAWEI**, and  are trademarks or registered trademarks of Huawei Technologies Co., Ltd.

LTE is a trade mark of ETSI.

Other trademarks, product, service and company names mentioned may be the property of their respective owners.

Notice

Some features of the product and its accessories described herein rely on the software installed, capacities and settings of local network, and therefore may not be activated or may be limited by local network operators or network service providers.

Thus, the descriptions herein may not exactly match the product or its accessories which you purchase.

Huawei reserves the right to change or modify any information or specifications contained in this manual without prior notice and without any liability.

DISCLAIMER

ALL CONTENTS OF THIS MANUAL ARE PROVIDED "AS IS". EXCEPT AS REQUIRED BY APPLICABLE LAWS, NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE MADE IN RELATION TO THE ACCURACY, RELIABILITY OR CONTENTS OF THIS MANUAL.

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL HUAWEI BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL

DAMAGES, OR LOSS OF PROFITS, BUSINESS, REVENUE, DATA, GOODWILL SAVINGS OR ANTICIPATED SAVINGS REGARDLESS OF WHETHER SUCH LOSSES ARE FORSEEABLE OR NOT.

THE MAXIMUM LIABILITY (THIS LIMITATION SHALL NOT APPLY TO LIABILITY FOR PERSONAL INJURY TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH A LIMITATION) OF HUAWEI ARISING FROM THE USE OF THE PRODUCT DESCRIBED IN THIS MANUAL SHALL BE LIMITED TO THE AMOUNT PAID BY CUSTOMERS FOR THE PURCHASE OF THIS PRODUCT.

Import and Export Regulations

Customers shall comply with all applicable export or import laws and regulations and be responsible to obtain all necessary governmental permits and licenses in order to export, re-export or import the product mentioned in this manual including the software and technical data therein.

Privacy Policy

To better understand how we protect your personal information, please see the privacy policy at <http://consumer.huawei.com/privacy-policy>.

