

H350L/B890-66s LTE Wireless Gateway

Quick Start

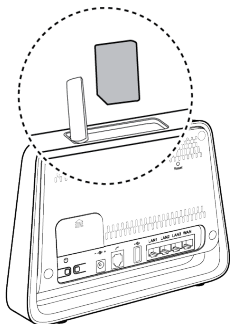


1 Installing your H350L/B890-66s

Follow the steps below to have an initial installation of your H350L/B890-66s.

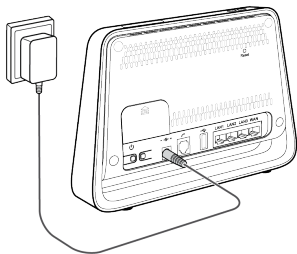
- i** ● Interferences or obstacles may block wireless signal. Place the H350L/B890-66s at an indoor open area or close to a window.
- To prevent interference caused by radio signals, place the H350L/B890-66s at least 1 meter (3.28 feet) away from telephone and other electrical devices.

Step 1 Insert SIM card into the SIM Card Slot.

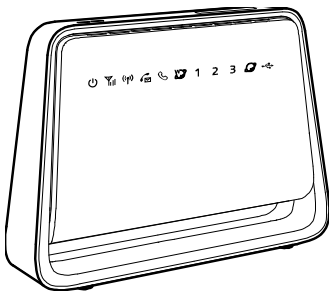


- i** Before removing the SIM card, ensure that H350L/B890-66s is powered off and disconnected from the power outlet.

Step 2 Connect the power adapter to the power port and plug into the wall socket. The H350L/B890-66s will power on automatically.



- Step 3** Wait for about 60 seconds for the Internet connection initialization. Check the indicators on the front panel of your H350L/B890-66s. If they are lit as description below, you are ready to connect the internet.



 Power indicator	Solid White: the H350L/B890-66s is powered on.
 Wireless Signal indicator	Solid Blue or Cyan: the H350L/B890-66s is registered with the wireless network. If this indicator is red and blinking, power off the H350L/B890-66s and ensure your SIM card is inserted correctly.
 Wireless network connection indicator	Solid: the H350L/B890-66s is connected to the wireless network. If this indicator is blinking continuously, power off the H350L/B890-66s for 2 minutes and try again.

2 Setting up an Internet Connection

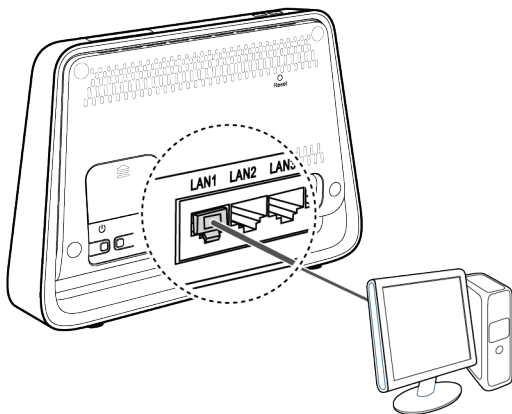
You can connect your devices (computer, laptop, tablet, etc.) to the H350L/B890-66s via a wired or wireless (Wi-Fi) connection to access to the Internet.

Follow the steps below to have an Internet connection according to your device.

Wired Connection with an Ethernet Cable

Step 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/B890-66s.



Step 2 Check the LAN indicators (**1 / 2 / 3**) on the front panel of your H350L/B890-66s.

If they are lit as description below, you are ready to access to the Internet through the computer.

1 / 2 / 3
LAN indicators

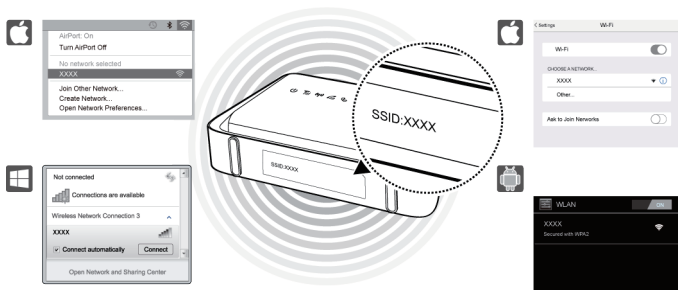
Solid: 1, 2 or 3 will be lit depending on which LAN port you are connected to.

Blinking: data is transferring.

Wireless (Wi-Fi) Connection



- Step 1** Ensure that (1) on the front panel is steady on and Wi-Fi is enabled on your device (computer, laptop, tablet, etc.).
- Step 2** From your device, scan for wireless networks in your area. Connect to the network name that matches the SSID found on the Wireless Security Sticker on the bottom of your H350L/B890-66s.
- Wi-Fi Encryption of the H350L/B890-66s is open as default. To protect your wireless network from unauthorized access, you can log into the web management page and set a Wi-Fi password.
 - If you are using Windows Vista or later, you can press the WPS button on the top of your H350L/B890-66s for 6 seconds instead of entering the Wi-Fi Password.



- Step 3** Wait for about 30 seconds to establish the connection. Your Wi-Fi enabled device will notify you when it is connected.
- Step 4** You may connect up to 32 Wi-Fi enabled devices. Repeat steps 1 through 3.

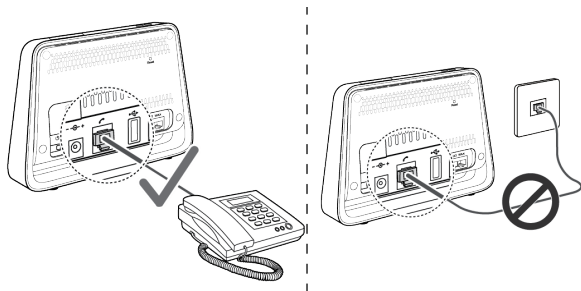
3 Connecting to a telephone

Follow the steps below to connect a telephone to your H350L/B890-66s to make voice call, you will require an additional voice plan to use this feature

Step 1 Connect a standard telephone to the Telephone Port with a RJ-11 telephone cable.



Do not connect the B882 to the telephone wall outlet (or any Public Switched Telephone Network), because doing so could damage the H350L/B890-66s 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/B890-66s.
- Fax is not support on the H350L/B890-66s.

Step 2 Check the indicators the front panel of your H350L/B890-66s. If they are lit as description below, you are ready to make calls using your H350L/B890-66s.

 Voicemail indicator	Blinking: new voicemail messages. To check your voicemail, you can: - Dial the voice mail number printed on the SIM card and hold the 1. - Dial your telephone number to access to voicemail.
 Call status indicator	Not lit Solid white when you are on a call. This indicator will blink when you are receiving a call in addition to your phone ringing.

4 First Time Logging into the Web User Interface

You can configure and manage the H350L/B890-66s settings using the web user interface.

Step 1 Launch a web browser, and enter **http://device.webui** or **http://192.168.20.1** in the address bar.

Step 2 Enter the password, and log in to the web user interface. The default password is printed as **WEBUI Login** on the Wireless Security Sticker located on the bottom of the H350L/B890-66s.



- To protect your H350L/B890-66s, 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 online help information on the web user interface.

Step 3 Follow the instruction to configure the Wi-Fi encryption.

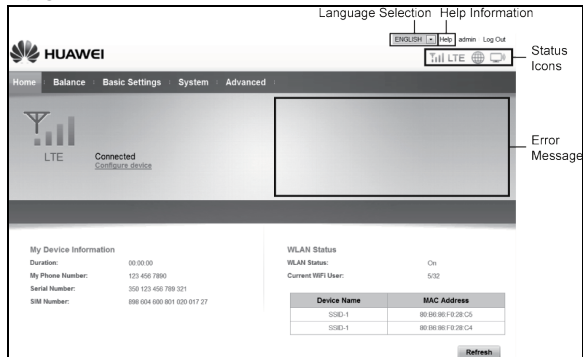
802.11 Authentication:	WPA/WPA2-PSK ▼
Encryption Mode:	AES+TKIP ▼
WPA pre-shared key:	●●●●●●●●●●●●●●●●

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**.

Step 4 Get yourself familiar with common features.

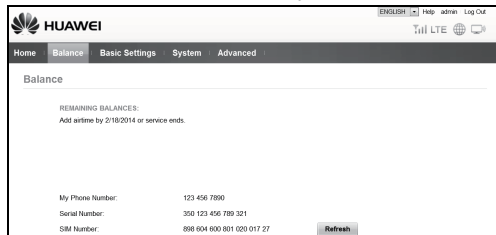
● Home Page:

- > **Main status banner:** show current status or error messages of the H350L/B890-66s
- > **Language selection** (in the right up corner): Switch language both will affect to the web user interface and audio error messages in the telephone.
- > **Help hyperlink** (in the right up corner): get into help information pages.



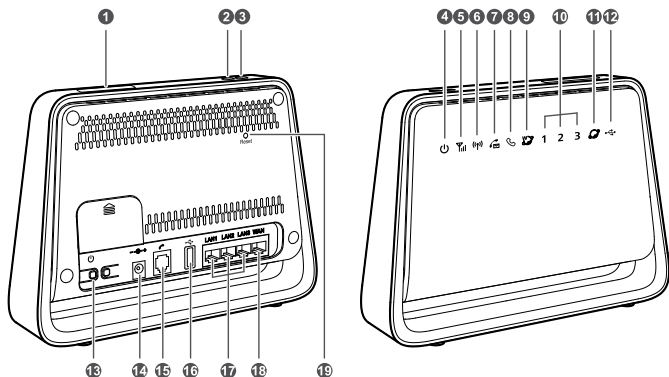
● Balance:

Learn current balance information of your SIM card.



5 Getting to Know Your H350L/B890-66s

Appearance



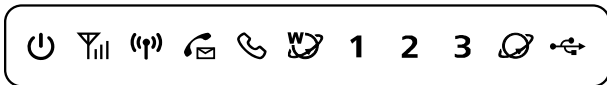
- | | |
|--|--------------------------------------|
| 1 SIM card slot | 11 Wired connection indicator |
| 2 Network connection button | 12 USB indicator |
| 3 Wi-Fi/WPS button | 13 Power button |
| 4 Power indicator | 14 Power port |
| 5 Network mode indicator | 15 Telephone port |
| 6 Wi-Fi/WPS indicator | 16 USB port* |
| 7 Voicemail indicator | 17 LAN port |
| 8 Call status indicator | 18 WAN port |
| 9 Wireless connection indicator | 19 Reset button |
| 10 LAN indicator | |

* **USB port:** to connect to a USB storage device, or USB printer. Not for USB host devices such as computers.

i This port 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/B890-66s can provide, please use an auxiliary power supply for the hard disk drive.

Indicators

The front panel of your H350L/B890-66s provides simple and intuitive indicators so that you can easily learn the H350L/B890-66s's status by observing the indicator lights.



 Power indicator	● On: H350L/B890-66s is powered on. ● Off: H350L/B890-66s is powered off.
 Network mode indicator	● Blinking red: SIM card failure. (SIM card not inserted, SIM card rejected, SIM card blocked, or SIM card unregistered.) ● Steady cyan: registered with an LTE network. ● Steady blue: registered with a 3G network. ● Off: no signal.
 Wi-Fi/WPS indicator	● Steady on: Wi-Fi turned on or data transfer in progress. ● Blinking: a WPS connection is being set up. ● Off: Wi-Fi turned off.
 Voicemail indicator	Blinking: new voicemail messages.
 Call status indicator	● Steady on: call in progress. ● Blinking slow: incoming call. ● Blinking fast: insufficient voice balance or out of voice balance. ● Off: call restricted when you are making a call.
 Wireless connection indicator	● Steady on: connected to a LTE/3G network. ● Blinking: connecting to a LTE/3G network. ● Blinking fast: out of data balance.
*  and 	Both blinking: activation required or no data and voice balance available..
1 / 2 / 3 LAN indicator	● 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.



Wired connection
indicator

- Steady on: connected to an Ethernet network.
- Blinking: connecting to an Ethernet network.



USB indicator

- Steady on: USB device connected.
 - Off: USB device not connected.
-

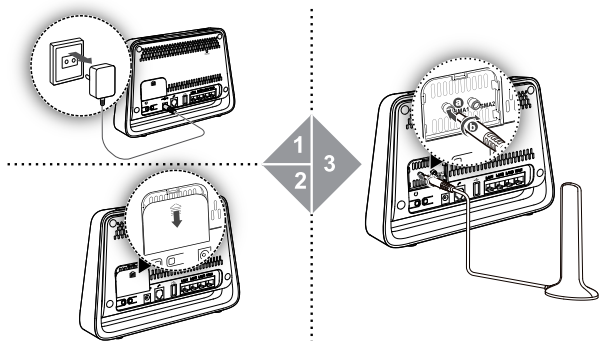
6 Installing External Antenna

In areas with poor network coverage, connect an external antenna to the H350L/B890-66s's external antenna port for better signal reception.

Step 1 Power off the H350L/B890-66s and disconnect from the power outlet.

Step 2 Remove the cover from the antenna port. (Keep it in a safe place.)

Step 3 Screw external antenna fully into the **SMA1** antenna port, as shown in the following figure.



Step 4 If it's necessary, screw another external antenna fully into the **SMA2** antenna port to get a stronger receiving signal.



- **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 Smart Hub not being able to connect to the Internet. Only installing external antenna to **SMA1** is allowed.
- Only use the external antenna indoors, and do not use it during a thunderstorm.
- Do not change another unexpected antenna unless manufacture provide.

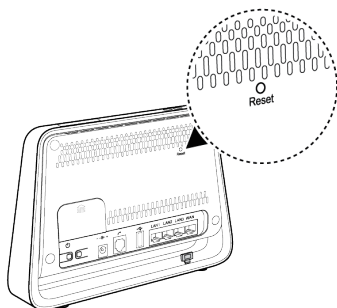
Before using an external antenna, log in to the web management page (<http://device.webui> or <http://192.168.20.1>) and set antenna mode to outer. For details, see the help information on the web management page.

7 Restoring Factory Defaults

If you are uncertain of which settings you have configured or changed, you can restore the factory default settings of the H350L/B890-66s, and then reconfigure.

To restore the factory defaults:

- Step 1** Use a sharp-pointed object to press and hold the RESET button until the signal indicators on the H350L/B890-66s blinks.
 - Step 2** Wait until the H350L/B890-66s restart automatically, the factory default settings are restored.
- i** Restoring factory defaults will delete all the B890 Smart Hub's user-defined settings and restore all settings on the web user interface to their defaults.



8 Frequently Asked Questions

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

- **Method 1: move H350L/B890-66s to an appropriate place**

Make sure that H350L/B890-66s is located within wireless network coverage. And move H350L/B890-66s to an appropriate place, such as beside the window, to get better signal.

- **Method 2: install external antenna**

Refer "Installing external antenna".

What should I do if I forget the IP address of the management page?

- **Method 1:**

Launch a web browser and enter **http://device.webui** to log in to the management page and automatically obtain an IP address.

- **Method 2:**

Step 1 Use Reset button to restore H350L/B890-66s to factory defaults.

Step 2 In a web browser, visit **http://192.168.1.1** to log in to the management page.

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

Wireless signal interference will affect call quality, please keep the telephone away from H350L/B890-66s and other wireless devices.

9 For More Help

If you are experiencing any other issues with H350L/B890-66s:

- Restart H350L/B890-66s.
- See the help information on the web management page.
- Restore H350L/B890-66s to its factory settings.
- Contact your service provider.

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



Figures in this guide are for your reference only. Specific models may vary slightly, contact your service provider for more detailed information.

10 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.

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