

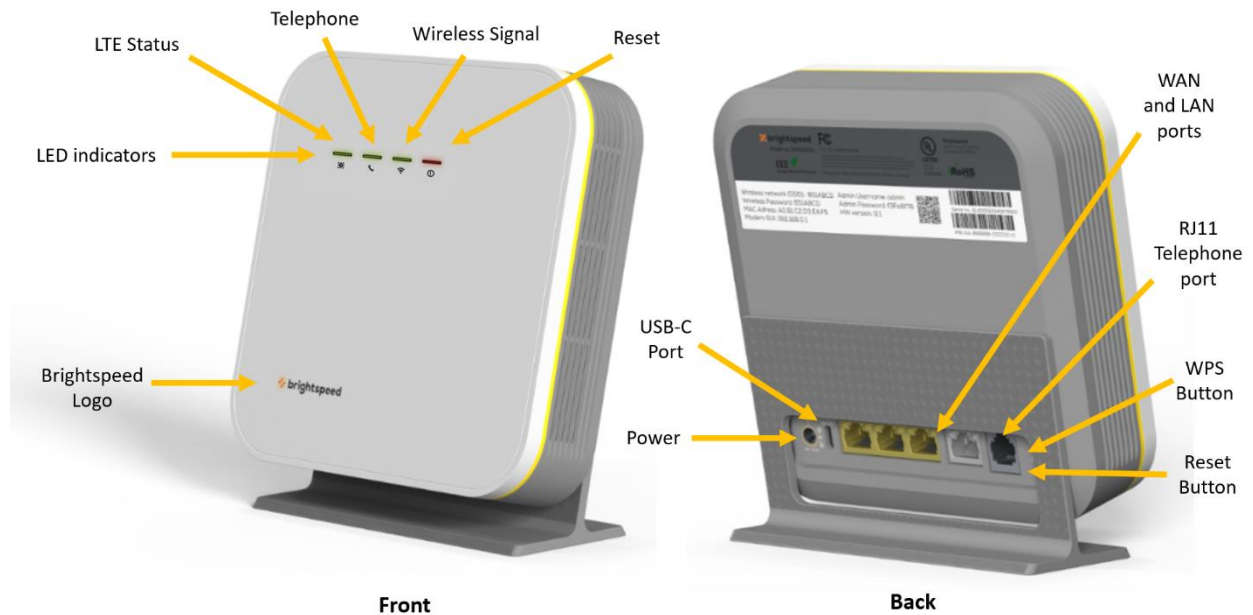
# Using your BW1600A Wireless LTE Voice Solution



## Features of the BW1600A

- 4G LTE wireless connectivity
- RJ11 FXS port for telephone use
- WiFi 6 technology dual-band 2.4GHz and 5GHz 802.11ax with backward compatibility (a/b/g/n/ac)
- Three gigabit ports to connect more wired devices for faster file transfer and uninterrupted connections
- Ethernet WAN/LAN port

### Diagram of the BW1600A





## What's in the box?

- BW1600A
- Power Adaptor (white)
- Ethernet cable (white)
- RJ11 cable (gray)
- Bracket

## BW1600A Setup

- Start by unpacking the box and identifying the BW1600A, cables, and instruction card.
- Find a good spot for your BW1600A, if possible, near a window or an open space for better LTE reception. Avoid closets or other closed-off areas. Where your device is placed can have a huge impact on the performance.
- Choose a spot with good air circulation that doesn't get hot, as excessive heat can cause electronics to perform poorly.

## Plug everything in

- Plug the **white power adaptor** into a wall outlet and into the power port on the back of the device.
- Power up your device (once powered up, your device may need to update to the latest software, approximately 15 minutes).



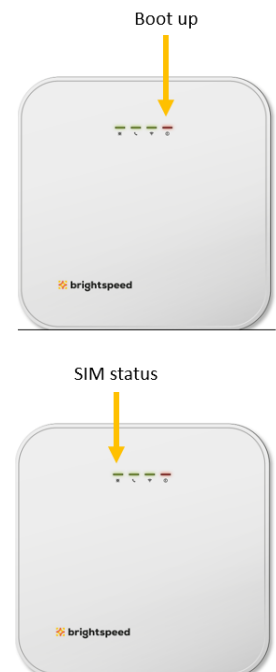
- Plug the end of the **gray cord** into the gray RJ11 port on back of the device, and the other end into a working phone jack.
- Finally, plug one end of the **White Ethernet cord** into one of the Ethernet ports on the BW1600A, and the other end into your computer's Ethernet port (Optional).

**No Ethernet port?** If you are using a tablet or newer laptop, you may not have an Ethernet port on your device. That's okay. If your device doesn't have Ethernet, you can instead connect to WiFi using the login information on the bottom of the device.

If you see a **white cord** in your modem kit, it's a second Ethernet cable to be used in case you have additional devices that you would like to plug into the BW1600A.

## Check for Connectivity

- The Boot up LED of the BW1600A will change colors as it goes through the installation process, to show you its connection status.
- If the SIM status LED turns **solid green**, this means your device is connected to the LTE network.
- If the SIM status LED turns **solid red**, this means that the SIM card has not been detected.






- If the SIM status LED **blinks red**, this means that the SIM card has been detected but it is not connected to network.
- If the SIM status LED remains blinking red, you will need to chat with a service agent to get help.

## Complete setup online

- At this point, you are ready to activate your service! You can proceed to scan the QR code located on the back of your BW1600A or go to [www.brightspeed.com/lte](http://www.brightspeed.com/lte) site on a browser. Either one will walk you through the steps to finish installing service.


### BW1600A Sample Label

QR Code




Wireless network (SSID): BS1ABCD  
Wireless Password: BS1ABCD  
MAC Address: A0.B1.C2.D3.E4.F5  
Modem GUI: 192.168.0.1

Admin Username: admin  
Admin Password: f3Fa6f76  
HW version: 0.1



Serial no: BL400012345678901



IMEI: AA-000000-CC0000-D



## Check LED Status Indicators

- After completing the setup steps, check the colors of the LED status indicators to verify its connection status.
- LTE Status LED turns **green**  
Once the light is green, the SIM card has been detected and connected to the network.
- Boot-up LED turns **green**  
Once the light is green, you're connected to the internet, and you can get online!
- Telephone Status LED turns **purple**  
The telephone status LED will start blinking purple while your device is connecting to the SIP server. Once the SIP server has been detected and your telephone is connected, the light will turn solid purple for a short period of time.
- Telephone Status LED turns **red**  
No SIP-Telephone service is connected.
- Telephone Status LED is **off**  
No Call (this function is normal)
- Telephone Status LED turns **blue**  
Your telephone is off hook (on a call)





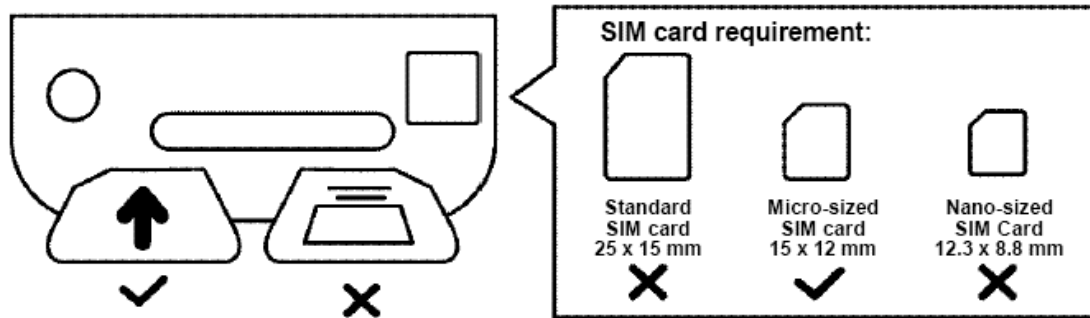
## Technical Specifications

<b>CPU</b>	Airoha EN7562DT Dual Core ARM Processor
<b>WIFI Baseband Processor</b>	MediaTek MT7905DEN
<b>Wi-Fi RFIC 2.4G/5G</b>	MediaTek MT79075DN (2x2)
<b>Phone</b>	1x RJ11 FXS port
<b>WAN</b>	1x GE WAN/LAN (RJ-45)
<b>WAN</b>	Quectel EC25-AFXD LTE Cat 4 Module 1X WAN/LAN Port
<b>LAN</b>	3x GE LAN (RJ-45)
<b>NAND Flash</b>	512MB
<b>DDR3</b>	512MB
<b>SIM Slot</b>	Micro-SIM (3FF) card slot
<b>Standards</b>	802.11n/ac/ax, and backward compatible to 802.11a/b/g
<b>Antenna</b>	2X Internal Antenna, 2X internal Antenna – LTE
<b>I/O</b>	1x GE WAN/LAN, 3x GE_LAN,
<b>Power</b>	1x 12V Power Port, 1x 5V USB C Battery Backup Port
<b>Wi-Fi PHY Rate</b>	2.4G: 600Mbps, 5G 1200Mbps



## Installing the SIM card

1. Unscrew the SIM cover.
2. Insert a Micro SIM card with the correct direction.





## FCC Interference Statement and Exposure Warning

This equipment complies with the limits for a Class B digital device, pursuant to 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.

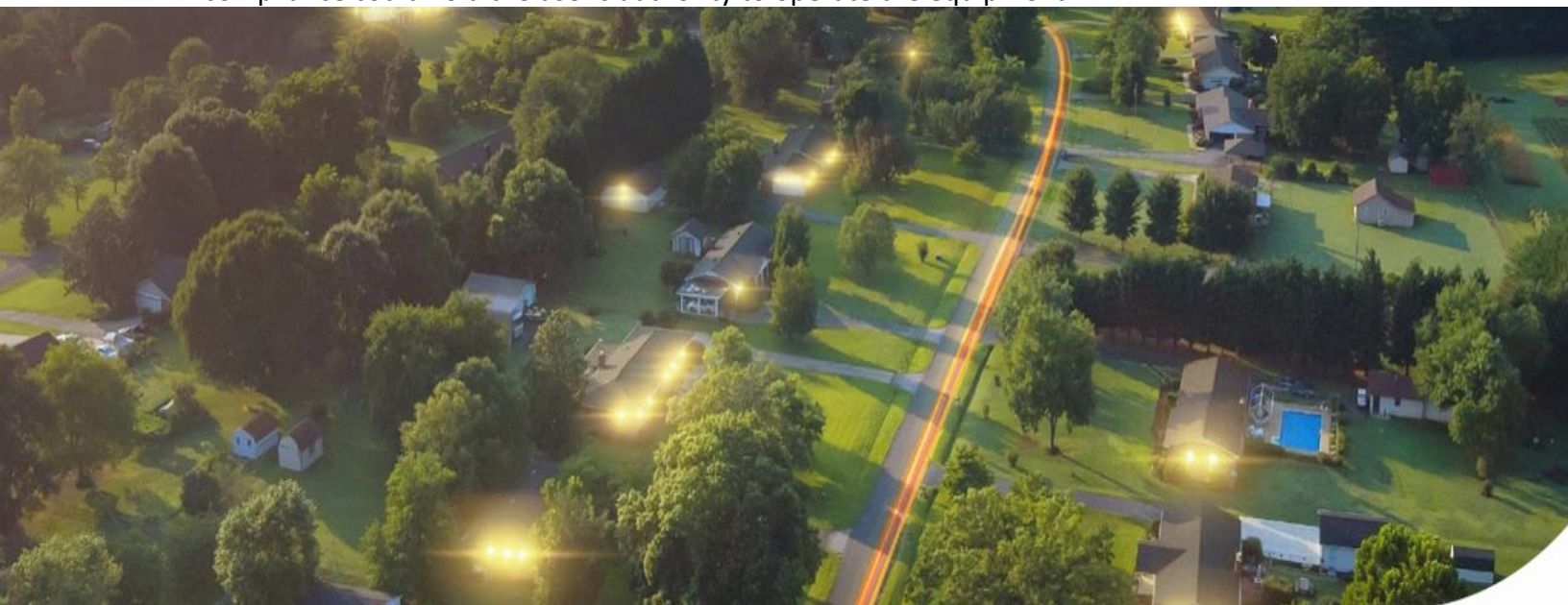
These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur during a specific 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 through one or more of the following measures:

- Reorient or relocate the receiving antenna by repositioning the device.
- 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 meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules. FCC regulations restricts the operation of this device to indoor use only.

Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



# FCC Interference Statement and Exposure Warning

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This product may not be collocated or operated in conjunction with any other antenna or transmitter. This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide separation distance of at least 20 cm from all persons and must not be collocated or operated in conjunction with any other antenna or transmitter.

