

# User Manual

Home Mobile Signal Booster

CommLink 20K

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(972) 870-5666  
support@hiboost.com  
www.hiboost.com



## Download Our APP – SignalSupervisor

- Remotely Monitor your device in real time
- Get installation guidance
- Contact support directly
- Join the user community
- Access manuals & videos
- Free Download from App Store & Google Play



The SignalSupervisor app is designed with your privacy in mind. It never collects personal data—its sole purpose is to help you set up, monitor, and support your signal booster securely.



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# Package Contents

## CommLink 20K



Signal Booster



Outdoor Antenna



75ft Outdoor Cable



75ft Indoor Cable



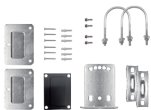
Lightning Arrester  
15ft Outdoor Cable



Ceiling Antenna



Power Supply



Other Accessories

NOTE: Available accessories can be purchased through [HiBoost.com](http://HiBoost.com)

Warning: Un-authorized antennas, cables, and/or coupling devices are prohibited by new FCC rules. Please contact FCC for details: 1(888)-CALL-FCC

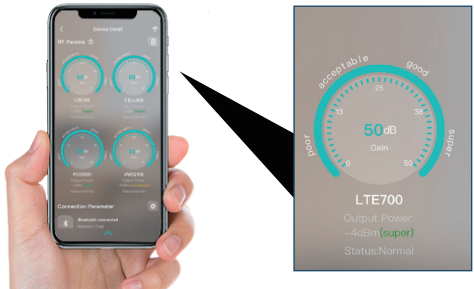
# App Introduction

## 1.1 App Functions

-  **Remote Monitoring:** View device status in real-time and remotely switch frequency bands.
-  **Documentation Access:** Access product specifications and installation videos for corresponding products (excluding industrial products).
-  **Online Technical Support:** Seek technical assistance from customer service via work orders or online chat.
-  **Community Interaction:** Share user experiences, post product reviews, and engage in interest group discussions.
-  **Installation Assistance:** Maximize device effectiveness by adjusting indoor and outdoor antennas based on output power changes.

## 1.2 Device Details

On the device details page of the app, users can view the supported frequency bands, gain, output power parameters, and check the device's usage status.



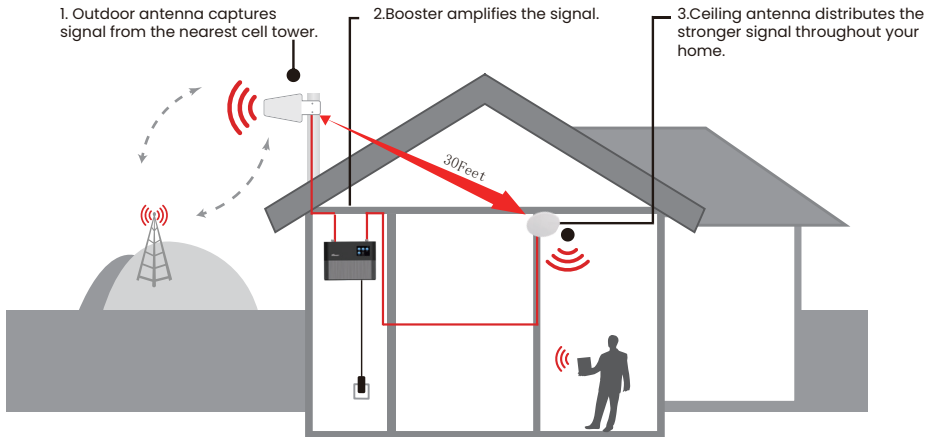
Note: The SignalSupervisor app strictly protects user privacy and does not collect any personal information. It is solely used for viewing device status, assisting with installation, and obtaining technical support, without accessing any personal information from users, ensuring the security and confidentiality of user data.

# Preparation



## Installation Guide

Read this section carefully to ensure the best signal coverage in your home.



## You Will Need

-  Estimated Time: 1 to 2 hours
-  Recommended: 2 people (one helps with antenna alignment)
-  Tools You'll Need (not included):
  - Ladder
  - Drill (for routing cables through walls, if needed)
  - Pole, 1"–3" diameter
  - Power strip with surge protection (recommended)

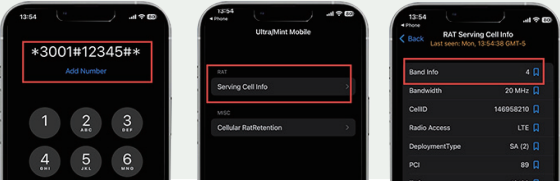
Before starting the installation, it's helpful to confirm the signal conditions around your home.

Using Third-Party Apps (Optional but Recommended)

For iPhone

–Check signal strength and band info

- 1. Dial \*3001#12345#\* then press call button
- 2. Choose All Metrics,Click Serving Cell Info
- 3. Check Band Info



–Find the nearest cell tower

CellMapper.net

or OpenSignal (Google Play)

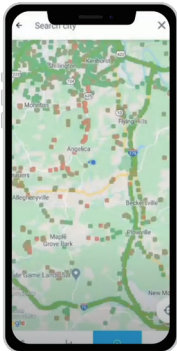


Figure 1

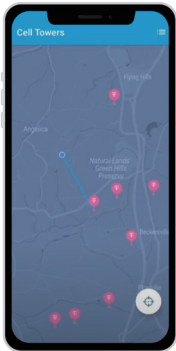


Figure 2

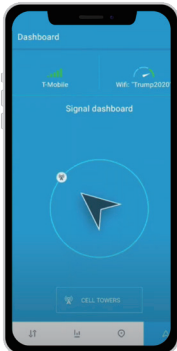


Figure 3

For Android phone

–Check signal strength and band info

- 1. Download "Network Cell Info Lite"
- 2. Choose"GAUGE"
- 3. Check"BAND"



–Find the nearest cell tower  
**CellMapper.net**  
or OpenSignal (Google Play)

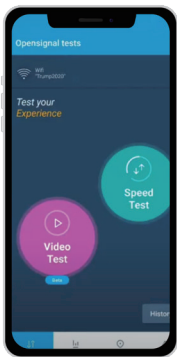


Figure 4

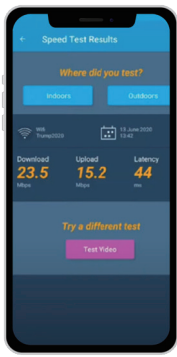


Figure 5

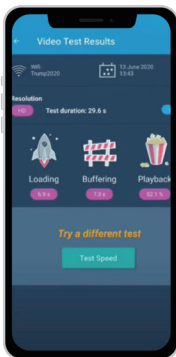


Figure 6

The signal strength requested by the booster system is as below.

| SIGNAL STRENGTH | EXCELLENT | GOOD           | FAIR            | POOR            | DEAD ZONE |
|-----------------|-----------|----------------|-----------------|-----------------|-----------|
|                 |           |                |                 |                 |           |
| 3G/1X           | -70dBm    | -70 to -85dBm  | -86 to -100dBm  | -101 to -109dBm | -101dBm   |
| 4G/LTE          | -90dBm    | -90 to -105dBm | -106 to -110dBm | -111 to -119dBm | -120dBm   |

**Step 2: Download Signal Supervisor app and connect the booster**

Download the Signal Supervisor app,  
register ID and booster.



1) Search “Signal Supervisor” on Google Play/ App Store, or scan the above QR Code to download.

2) Register on the Signal Supervisor app.

3) Switch on the booster.

\* Connect the Bluetooth/WiFi antenna with booster, and there is no need to connect outdoor or indoor antenna at this moment.

4) Click “Add Device” to register the booster into the APP. And we recommend WiFi connection because the Bluetooth connection can’t go beyond 30ft. Check more steps about the app uses as below.

Remark: Due to the phone types and the WiFi router types, there are few cases though rare that the booster won’t be linked successfully to the signal supervisor app, even after our technical support. In such case:

\* Please kindly switch to use LCD signal meter to assist your install and will have the same result. And Bluetooth/WiFi disconnection won’t influence the booster working status at all.

\* Or please use different phone or change your WiFi router if you really want remote monitor.

Please contact our tech support and we will see what the best arrangements can be for you.

## **Step 1: Download the 3rd Party Mobile apps**

We are going to use 3rd party apps:

- To find the cell tower location
- To test the signal strength and quality

There are a variety of resources available online: Opensignal, Cell mapper (Do not register or login.) Network cell info lite, etc.

Please download them beforehand over Android and / or iOS:

## Installation Guide---APP Version

### Step 1: Look for best outside signal and install outdoor antenna

The performance of the booster system is heavily dependent on the successful installation of the outdoor antenna

#### 1.1 Connect the booster with outdoor antenna

- (1) Put the booster near to the location you would like to install in the future, or a place with power outlet temporarily.
- (2) Keep the booster connected with Bluetooth/WiFi antenna.
- (3) Connect the other side of 75ft cable with the outdoor antenna.



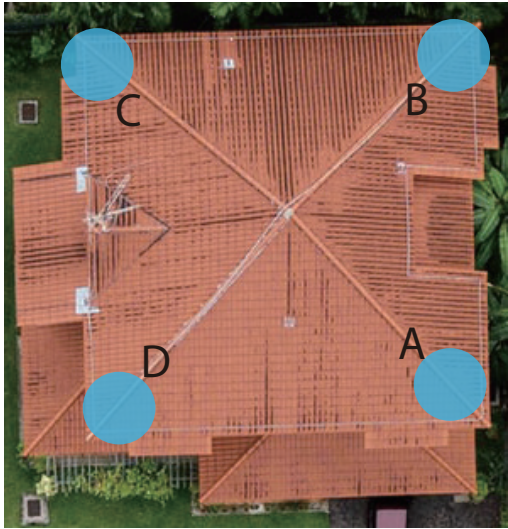
\*HiBoost commlink 10k can be directly connected to the outdoor antenna with the 75ft NM-NM cable.

#### Notes:

- \* It is a must **NOT** to connect indoor antenna at this moment as it will influence the outside signal finding.
- \* Please place the booster outdoor within 30ft to the possible location of outdoor antenna if there is only Bluetooth connection. This is to ensure the App links to the booster.

### 1.2 Select the possible location for best outside signal.

Bring your mobile phone with the APPs and the outdoor antenna to the location where the best outside signal can be found. The outdoor antenna is recommended to be at the four corners or high end of the roof, or attic.



The outdoor antenna needs to maintain a clear line of sight with the cell tower. And it is necessary to avoid the roof or other stuffs from blocking the outdoor antenna.



### 1.3 Use 3rd party APP to locate the tower(s)

Now open “Opensignal”, use it to detect the approximate position of the nearby cell tower.

- (1) Insert your detail address in “Search city” box. (following figure 1)
- (2) Enter signal dashboard, and click “CELL TOWERS”. Then zoom in map to find best one, it will show a blue line with your place which means your cellphone connected one. (following figure 2&3)
- (3) When you find such location, check the strength, test voice and data speed. A good signal shall not only be strong, but also be clear in voice and fast in data speed. (following figure 4-6)

You can also use the “Network Cell Info Lite” to locate the tower and measure the signal strength before & after install.

The good point of Network Cell Info Lite is that you can see the signal levels. But it seems to be only available for Android.



Network Cell Info Lite



Your signal strength is going to be a good indicator of how fast you can download and stream, but for voice, it's more like “Can I make a call, or not?” If you can make a call you should not care how many bars you have, as long as the call goes through and everyone can hear everyone. Looking at bars is just going to make you cranky.



The reason to test your internet speed is to make sure you'll be able to stream high-bandwidth movies, like those from Netflix, Hulu, Amazon, and other providers. If your internet speed is too slow, you'll get choppy video or regular buffering.

#### 1.4 Look for the best location and direction of outdoor antenna

After the tower is located, please pick up outdoor antenna and point to the tower and adjust its direction precisely.

Watch the signal gauge of Signal Supervisor App as it will show the booster's best output power when you get the strongest outside signal.

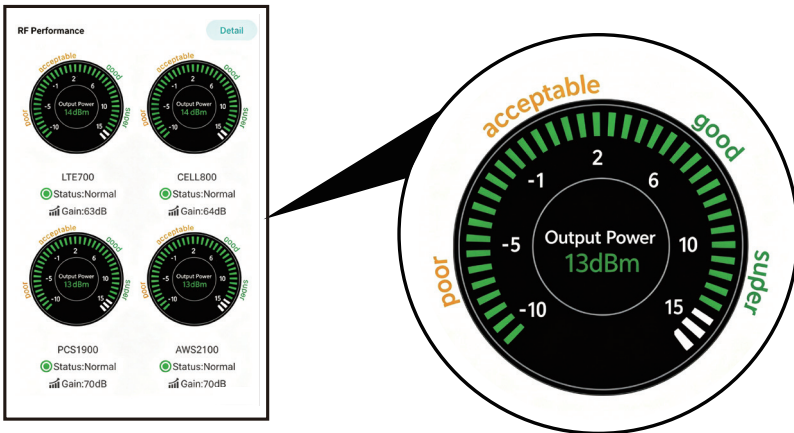
Target: Try to get the highest possible output power for each band and try to make 2-3 gauges turn green.

1) You can either look at the signal meter value, 15dBm is the best

2) Or you can look at the signal description, Super is the best

Notes: The output power level in the signal meter is the level for the indoor antenna.

Fix the outdoor antenna direction when you get the best output power.

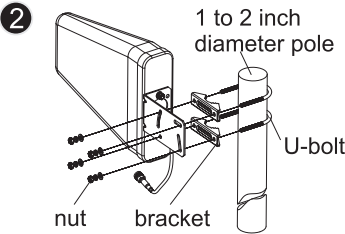
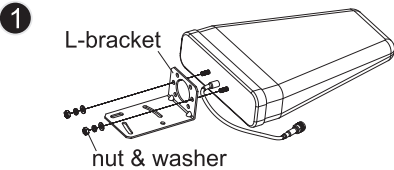


#### Professional Tips

- Keep in mind that it is normal for the output values may vary dynamically between 1-3 dB
- To optimize the signal for one carrier, point the outdoor antenna towards the closest cell phone tower designated to that carrier
- To optimize the signal for more than one carrier, point the outdoor antenna between multiple towers
- Make sure to slowly turn the antenna while taking the readings so the booster has time to adjust the reading
- Test and install the antenna at the same height where power outputs and gain values reach the booster's maximum capacity
- **If you can't get a good output power, which is even below poor, most probably the install will fail. Either please find a new place to find good signal again, or drop the install.**

1.5 Fix outdoor antenna

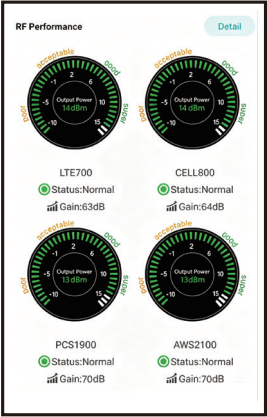
Now install the outdoor antenna firmly



1.6 Reconfirm that the signal on signal gauge is the best!

Please **do take following screen shot** for future comparison during indoor antenna install.

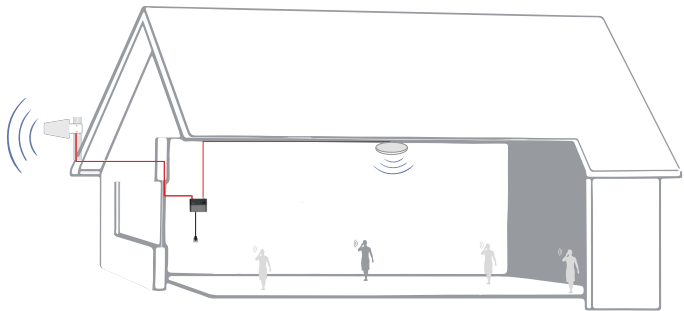
What you are going to be paying attention to here, is the gain values. If you have interference between your indoor and outdoor antennas, then the booster will lower the gain and these values will decrease.



**Step 2: Install the indoor antenna**

**2.1 Now it's turn to install the indoor antenna**

Note: It is better to have two people at this stage. One can go around to find the best place for indoor antenna. While the other can walk around to make tests all over to make sure every spot is covered with stable and high quality signal.



**2.2 Connect the indoor antenna with the booster's indoor port by indoor cable, and switch on the booster.**

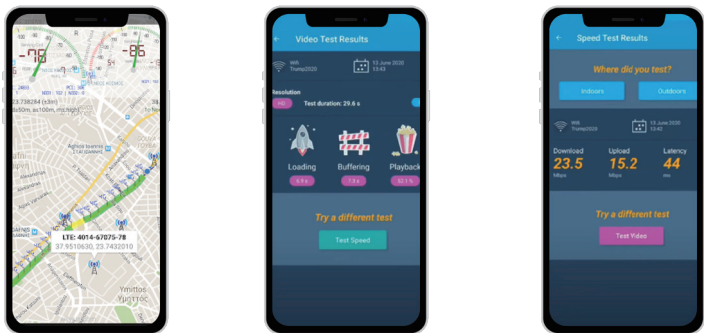


### 2.3 Signal Quality test

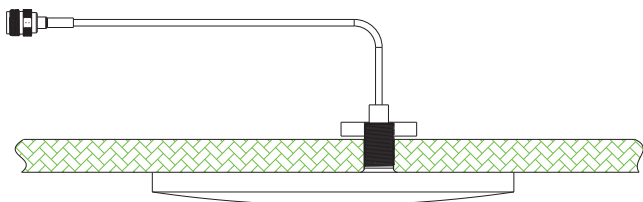
After finding such a location, hold the indoor antenna there and ask the other person to walk back and forth, and use the 3rd party app Network Cell Info Lite & OpenSignal to test the signal strength, voice, and data.

We recommend you to test the signal strength, the voice quality and data speed.

*\*Notes Again: Just remember that strength and quality are two separate issues. A poor quality “strong” signal can be next to useless, but a clean signal of two bars might be all your device needs.*



If the test is good, then congratulations, the indoor antenna position has been successfully found. Please install the indoor antenna.



## Installation Guide---LCD Version

### Step 1: Install the outdoor antenna

#### 1.1 Connect the booster with outdoor antenna.

- (1) Put the booster near to the location you would like to install in the future, or a place with power outlet temporarily.
- (2) Keep the booster connected with Bluetooth/WiFi antenna.
- (3) Switch on the booster and make sure the signal supervisor app links with it smoothly.
- (4) Connect the 75ft outdoor cable with the booster's outdoor port. The booster supports hot plug.
- (5) Connect the other side of 75ft cable with the outdoor antenna.

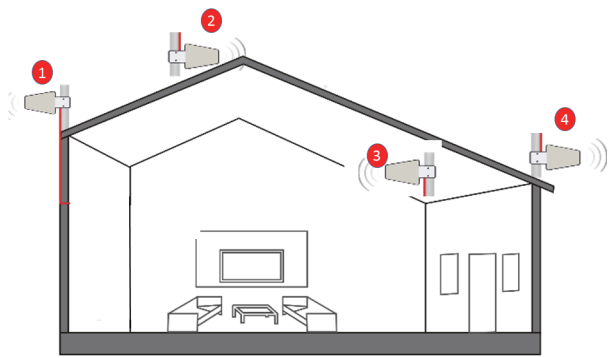


#### Notes:

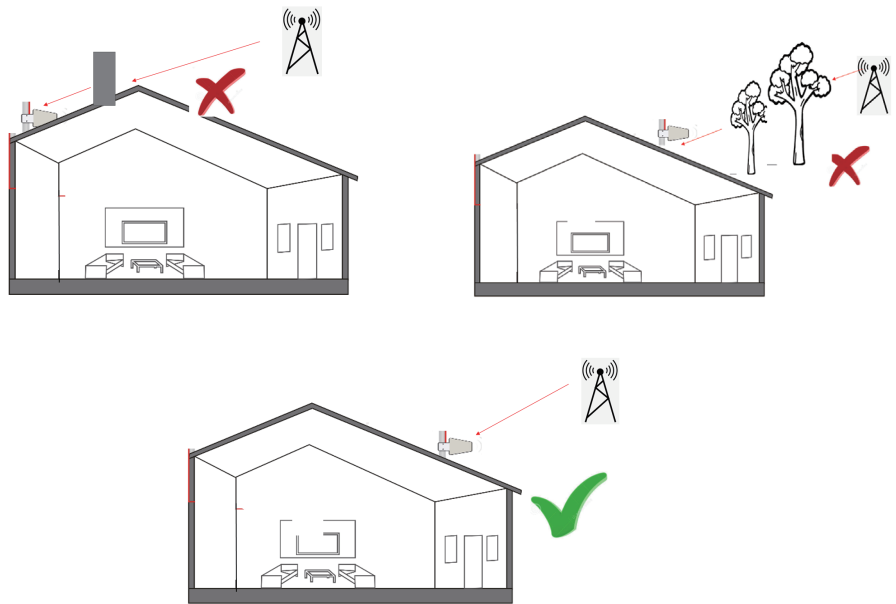
It is a must **NOT** to connect indoor antenna at this moment as it will influence the outside signal finding.

**1.2 Select the possible location for best outside signal.**

Bring your mobile phone with the 3rd party APPs and the outdoor antenna to the location where the best outside signal can be found. The outdoor antenna is recommended to be at the four corners or high end of the roof, or attic.



The outdoor antenna needs to maintain a clear line of sight with the cell tower. And it is necessary to avoid the roof or other stuffs from blocking the outdoor antenna.



1.3 Use 3rd party APP to locate the tower(s)

- 1) Now open “Opensignal”, use it to detect the approximate position of the nearby cell tower.
- 2) Insert your detail address in “Search city” box. (following figure 1)
- 3) Enter signal dashboard, and click “CELL TOWERS”. Then zoom in map to find best one, it will show a blue line with your place which means your cellphone connected one. (following figure 2&3)
- 4) When you find such location, check the strength, test voice and data speed. A good signal shall not only be strong, but also be clear in voice and fast in data speed. (following figure 4-6)

Notes:

Just remember that strength and quality are two separate issues. A poor quality “strong” signal can be next to useless, but a clean signal of two bars might be all your device needs.

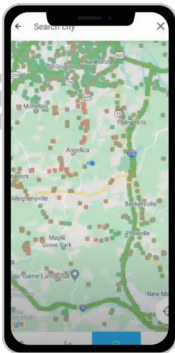


Figure 1

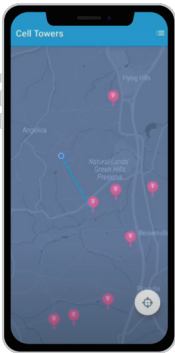


Figure 2

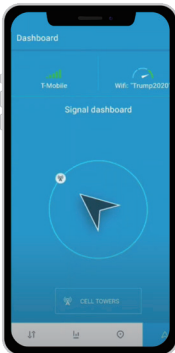


Figure 3

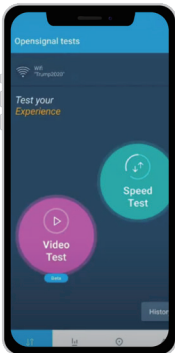


Figure 4

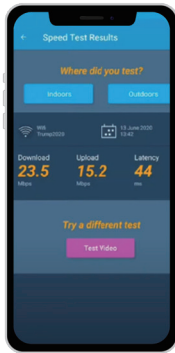


Figure 5

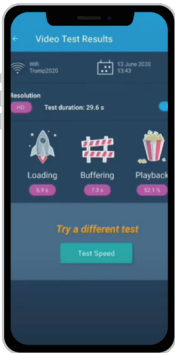


Figure 6

You can also use the “Network Cell Info Lite” to locate the tower and measure the signal strength before & after install.

The good point of Network Cell Info Lite is that you can see the signal levels.

But it seems to be only available for Android.



The signal strength requested by the booster system is as below.

| SIGNAL STRENGTH | EXCELLENT | GOOD           | FAIR            | POOR            | DEAD ZONE |
|-----------------|-----------|----------------|-----------------|-----------------|-----------|
|                 |           |                |                 |                 |           |
| 3G/1X           | -70dBm    | -70 to -85dBm  | -86 to -100dBm  | -101 to -109dBm | -101dBm   |
| 4G/LTE          | -90dBm    | -90 to -105dBm | -106 to -110dBm | -111 to -119dBm | -120dBm   |



Your signal strength is going to be a good indicator of how fast you can download and stream, but for voice, it’s more like “Can I make a call, or not?” If you can make a call you should not care how many bars you have, as long as the call goes through and everyone can hear everyone. Looking at bars is just going to make you cranky.



The reason to test your internet speed is to make sure you’ll be able to stream high-bandwidth movies, like those from Netflix, Hulu, Amazon, and other providers. If your internet speed is too slow, you’ll get choppy video or regular buffering.

#### 1.4 Look for the best location and direction of outdoor antenna

Now pick up the outdoor antenna and point to above cell tower and adjust its position precisely, ask your partner to watch the LCD signal gauge to get a strongest possible output signal.

Ask your partner to look at the signal meter value, 12 dBm is the best.

Notes: The output power level in the signal meter is the level for the indoor antenna.

Fix the outdoor antenna direction when you get the best output power



Touchable LCD meter tells how strong the signal is

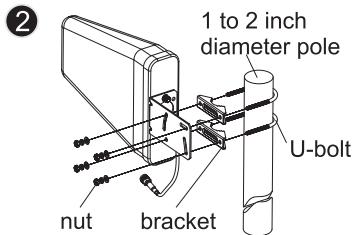
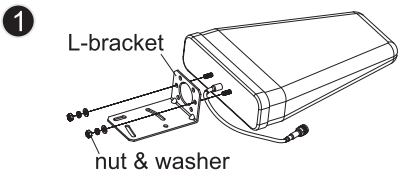


#### Professional Tips

- Keep in mind that it is normal for the output values may vary dynamically between 1-3 dB
- To optimize the signal for one carrier, point the outdoor antenna towards the closest cell phone tower designated to that carrier
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- Make sure to slowly turn the antenna while taking the readings so the booster has time to adjust the reading
- Test and install the antenna at the same height where power outputs and gain values reach the booster's maximum capacity
- **If you can't get a good output power, which shows --, most probably the install will fail. Either please find a new place to find good signal again, or drop the install.**

1.5 Fix outdoor antenna

Now install the outdoor antenna firmly



1.6 Reconfirm that the signal on LCD signal meter is the best!

And take photo of LCD signal meter for future comparison during indoor antenna install.

What you are going to be paying attention to here, is the gain values. If you have interference between your indoor and outdoor antennas, then the booster will lower the gain and these values will decrease.



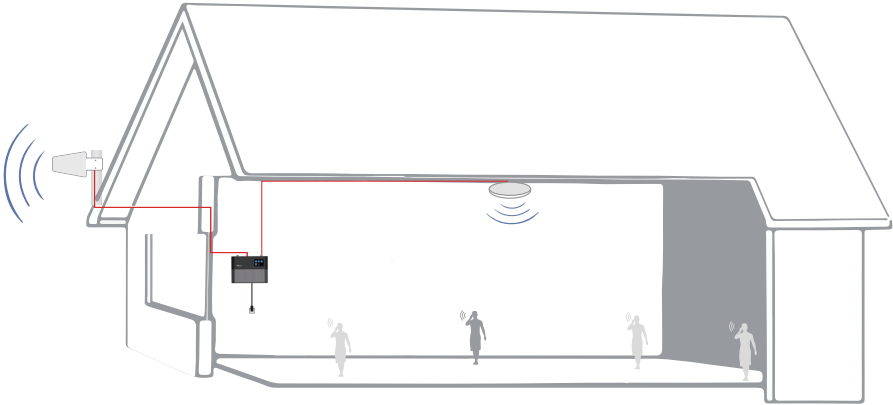
Touchable LCD meter tells how strong the signal is



**Step 2: Install the Indoor antenna**

**2.1 Now it's turn to install the indoor antenna.**

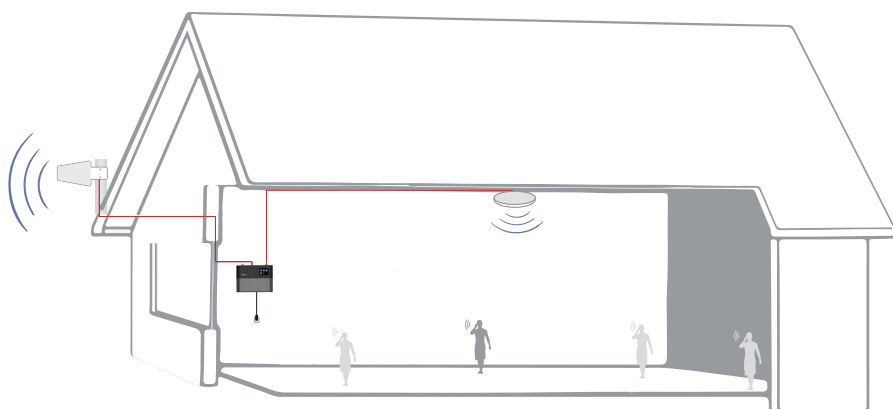
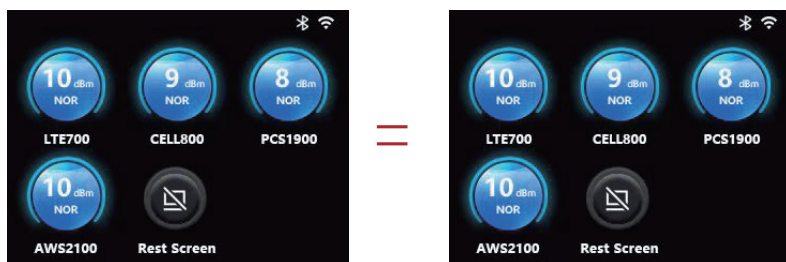
Note: It is better to have two people at this stage. One can go around to find the best place for indoor antenna. While the other can walk around to make tests all over to make sure every spot is covered with stable and high quality signal.



**2.2 Connect the indoor antenna with the booster by indoor cable, and switch on the booster.**



2) After finding the location, hold it there, and ask the other person to compare the gain and power on LCD signal meter, they shall keep the same or very nearby with the photo taken during outdoor antenna install. This is to avoid the loop back between outdoor and indoor antennas, please move the indoor antenna till you get unchanged or slightly changed gain and power. This step is quite crucial for the booster's best performance.



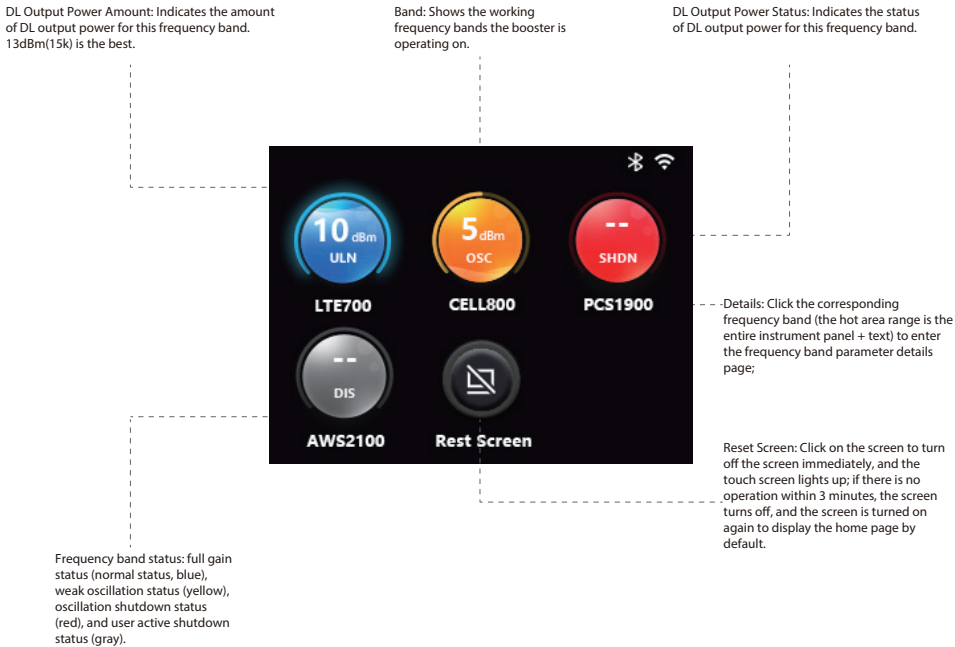
#### Again the tips to avoid the loop back

1. Increase the distance between the outdoor and indoor antennas
2. The outdoor and indoor antennas shall be back to back
3. Use barriers between the indoor and outdoor antennas

# Notes about LCD Display

These are instructions that will allow users to install a Barsguard cell phone booster using the LCD Display.

Following LCD status indicators and control buttons on the booster.

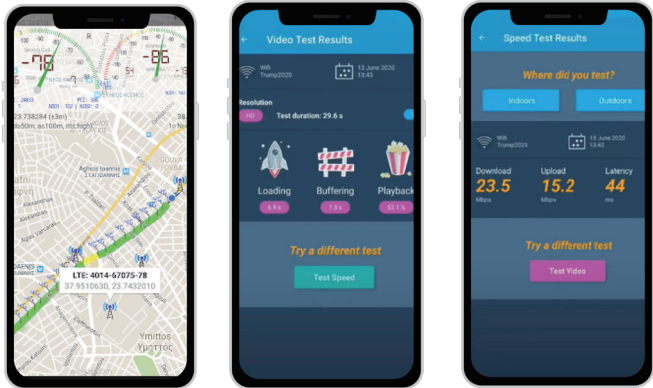


| LED/LCD STATUS INDICATORS |                                                           |
|---------------------------|-----------------------------------------------------------|
| Alarm LED                 | Indicates RF Power Status from tower                      |
| Power LED                 | Indicates ON/OFF Status                                   |
| ISO LED                   | Indicates Oscillation Status                              |
| Manual Gain Control       | Used to optimize booster by adjustment of UL/DL           |
| OFF LCD Indicator         | Indicates Band ON/OFF Status                              |
| Automatic Level Control   | Indicates ALC Status                                      |
| ISO LCD Indicator         | Indicates Oscillation Status                              |
| DL Output Power           | Realtime Uplink/Downlink Gain In dB                       |
| Bluetooth/Wi-Fi Indicator | Indicates Bluetooth and Wi-Fi Indicator                   |
| UL/DL                     | Realtime Uplink and Downlink Gain                         |
| Band                      | Shows working frequency bands the booster is operating on |

## 2.4 Signal quality test

After finding such a location, hold the indoor antenna there and ask the other person to walk back and forth, and use the 3rd party app to test the signal strength, voice, and data. We recommend you to test the signal strength, the voice quality and data speed.

\*Notes Again: Just remember that strength and quality are two separate issues. A poor quality “strong” signal can be next to useless, but a clean signal of two bars might be all your device needs.



If the test is good, then congratulations, the indoor antenna position has been successfully found. Please install the indoor antenna.

## Signal Detection After Installation

### Test again the performance after installation is done

- a. First make sure the LCD gauge value is unchanged from the outdoor antenna install.
- b. Test by a third-party app, calls and network data are smooth in most indoor signal coverage areas.
- a. Now everything is completed and please start to enjoy the mobile services.
- b. If the result is not satisfactory or you want to be better, you may repeat the whole or part of the process to improve.
- c. Please contact us: Signal Supervisor app online support, Phone and Email in case you have any problems.

## Quick Troubleshooting Guide

### **Eliminate Flashing ISO LCD Display Indicator and Quick Flashing Green, Quick Flashing Red ISO LED Indicator problems:**

1. Adjust the outdoor antenna direction, keeping it away from the indoor antenna-restart the booster.
2. Increase the vertical or horizontal distance between the outdoor antenna and the indoor antenna-restart booster.
3. Use metal or wall barriers to increase the isolation between the indoor and outdoor antennas-restart booster.
4. Change the indoor antenna type to an antenna with a more directional antenna pattern-orient the indoor antenna and the outdoor antenna so they are not pointing at each other.

The ISO issues are solved when the ISO LED is "Green" or "Slow Flashing Green" or no flashing ISO legend.

### **Eliminate poor coverage problems when Power“— — —” legend on LCD and Alarm LED is Green**

#### **1. If the signal has not been improved, please check below:**

- A weak downlink signal leads to the low output signal level-change the direction or position of the outdoor antenna.
- Try replacing the outdoor antenna with a higher gain antenna to increase the amount of signal being received.
- Check to see if it is necessary to add more indoor antennas-barriers such as walls can block the signal indoors.
- Check the booster to make sure the output power is maximized-the user may need to replace the booster with a more powerful one if the amount of outdoor signal available is limited.

2. If the signal in a small section of the building hasn't been improved, try the following:

·Check to see if the indoor antenna is installed correctly-try moving and adjusting the indoor antenna to improve coverage.

Other Troubleshooting Issues

Reference the chart below to identify the current status of the booster.

| LED STATUS INDICATORS |                      |                                                                           |
|-----------------------|----------------------|---------------------------------------------------------------------------|
| LED                   | STATUS               | INDICATION                                                                |
| Alarm LED             | GREEN                | Below full output power                                                   |
|                       | SLOW FLASHING GREEN  | Full output power                                                         |
|                       | QUICK FLASHING GREEN | Output power is too high                                                  |
|                       | QUICK FLASHING RED   | Booster will automatically shut off due to excessive DL signal from tower |
| Power LED             | GREEN                | Normal                                                                    |
|                       | OFF                  | DC Power Problem                                                          |
| ISO LED               | GREEN                | Indicates oscillation status                                              |
|                       | SLOW FLASHING GREEN  | Slight loop back or self-oscillation                                      |
|                       | QUICK FLASHING GREEN | Deep loop back or self-oscillation                                        |
|                       | QUICK FLASHING RED   | Booster is automatically shutting off                                     |

If there are any issues while installing a HiBoost cell phone signal booster, please contact the technical support team through the following channels:

Online Support: Create a ticket or chat via Signal Supervisor app

 (972) 870-5666 (M-F from 9 am – 5 pm CST)

 support@hiboost.com

 www.hiboost.com

# Technical Specifications

| Model No.             | CommLink 20K                                        |
|-----------------------|-----------------------------------------------------|
| Working Bands         | Band 12/17/Band 13/Band 5/Band 25/2/Band 4          |
| UL Frequency Range    | 698-716 / 776-787 / 824-849 / 1850-1915 / 1710-1755 |
| DL Frequency Range    | 728-746 / 746-757 / 869-894 / 1930-1995 / 2110-2155 |
| Maximum Gain          | 72 dB                                               |
| Maximum Output Power  | DL 15 dBm                                           |
| I/O Port              | N-Female                                            |
| Weight                | ≤ 3.09 lbs / 1.4 kg                                 |
| Dimensions            | 9.3 x 6.9 x 2 in / 236 x 174 x 50 mm                |
| MGC(Step Attenuation) | >25 dB /1 dB Step                                   |
| Impedance             | 50 ohm                                              |
| Environment Condition | IP40                                                |
| Power Supply          | Input AC 100~240V, 50/60Hz, Output DC 12V/1.5A      |

Notes: Support 5G only that's been or will be deployed in current 4G by DSS (Dynamic Spectrum Sharing) by carriers.

# Authorized Accessories List

## Outdoor Antenna & Cable Kit Options

### Kit 9-5050

Yagi 9dbi Antenna & 50' 5D Cable

### Kit 11-100400

Yagi 11dbi Antenna & 100' 400 Cable

### Kit 11-7550

Yagi 11dbi Antenna & 75' 5D Cable

### Kit 11-100500

Yagi 11dbi Antenna & 100' 5D Cable

### Kit 10-3050

Panel 10dbi Antenna & 30' 5D Cable

### Kit 10-50400

Panel 10dbi Antenna & 50' 400 Cable

### Kit 10-5050

Panel 10dbi Antenna & 50' 5D Cable

### Kit 10-75400

Panel 10dbi Antenna & 75' 400 Cable

### Kit 10-100400

Panel 10dbi Antenna & 100' 400 Cable

### Kit 10-7550

Panel 10dbi Antenna & 75' 5D Cable

### Kit 10-10050

Panel 10dbi Antenna & 100' 5D Cable

### Kit 9-50400

Yagi 9dbi Antenna & 50' 400 Cable

### Kit 9-75400

Yagi 9dbi Antenna & 75' 400 Cable

### Kit 9-100400

Yagi 9dbi Antenna & 100' 400 Cable

### Kit 9-7550

Yagi 9dbi Antenna & 75' 5D Cable

### Kit 9-10050

Yagi 9dbi Antenna & 100' 5D Cable

### Kit 7-3050

Panel 7dbi Antenna & 30' 5D Cable

### Kit 7-50400

Panel 7dbi Antenna & 50' 400 Cable

### Kit 7-5050

Panel 7dbi Antenna & 50' 5D Cable

### Kit 7-75400

Panel 7dbi Antenna & 75' 400 Cable

### Kit 7-100400

Panel 7dbi Antenna & 100' 400 Cable

### Kit 7-7550

Panel 7dbi Antenna & 75' 5D Cable

### Kit 7-10050

Panel 7dbi Antenna & 100' 5D Cable

### Kit 5-30400

Omni 5dbi Antenna & 30' 400 Cable

### Kit 5-3050

Omni 5dbi Antenna & 30' 5D Cable

### Kit 5-50400

Omni 5dbi Antenna & 50' 400 Cable

### Kit 5-5050

Omni 5dbi Antenna & 50' 5D Cable

### Kit 5-75400

Omni 5dbi Antenna & 75' 400 Cable

### Kit 5-10400

Omni 5dbi Antenna & 100' 400 Cable

### Kit 5-7550

Omni 5dbi Antenna & 75' 5D Cable

### Kit 5-10050

Omni 5dbi Antenna & 100' 5D Cable

## Indoor Antenna & Cable Kit Options

### Kit 72-5050-50

2 Panel 7dbi Antenna with 50' 5D N male  
& 2-Way Splitter

### Kit 52-5050-50

2 Whip 5dbi Antenna & 50' 5D Cable  
& 2-Way Splitter

### Kit 102-5050-50

2 Panel 10dbi Antenna with 50' 5D N male  
& 2-Way Splitter

### Kit 103-7550-50

3 Panel 10dbi Antenna & 75' 5D Cable  
& 3-Way Splitter

### Kit 104-7550-50

4 Panel 10dbi Antenna & 75' 5D Cable  
& 3 2-Way Splitter

### Kit 73-7550-50

3 Panel 7dbi Antenna & 75' 5D Cable  
& 3-Way Splitter

### Kit 74-7550-50

4 Panel 7dbi Antenna & 75' 5D Cable  
& 3 2-Way Splitter

### Kit 3-30400

Omni 3dBi Antenna with 30' 400 Cable  
Kit 3-5050

Omni 3dBi Antenna & 50' 5D Cable

### Kit 3-7550

Omni 3dBi Antenna & 75' 5D Cable

### Kit 3-10050

Omni 3dBi Antenna & 100' 5D Cable

### Kit 3-30400

Omni 3dBi Antenna with 30' 400 Cable  
Kit 3-50400

Omni 3dBi Antenna & 50' 400 Cable

### Kit 32-50400-50

2 Omni 3dBi Antenna & 50' 400 Cable  
& 2-Way Splitter

### Kit 33-50400-50

3 Omni 3dBi Antenna & 50' 400 Cable  
& 3-Way Splitter

### Kit 34-50400-50

4 Omni 3dBi Antenna & 50' 400 Cable  
& 3 2-Way Splitter

NOTE: Unauthorized use of accessories (power supplies, antennas, cables, etc.) is strictly prohibited.

## FCC and IC Statements

### FCC RF EXPOSURE STATEMENT

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instruction for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

### IC RF EXPOSURE STATEMENT

The device is in compliance with RF exposure limits. The minimum distance from body to use the device is 20 CM.

Le présent appareil est conforme aux normes ou aux limites d'intensité de champ RF. La distance minimale du corps à utiliser le dispositif est de 20 CM.

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:

- Re-orient 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

Changes or modifications not expressly approved by HiBoost could void the user's authority to operate the equipment. For a complete list of antennas and cables approved for use with these boosters see Authorized Kitting Options

**FCC 27.50(d)(4) Statement:** Fixed, mobile, and portable (handheld) stations operating in the 1710-1755 MHz band are limited to 1-watt EIRP. Fixed stations operating in the 1710-1755 MHz band are limited to a maximum antenna height of 10 meters above ground.

**FURTHER INFORMATION ON SIGNAL BOOSTER END-USE REGISTRATION**

The following links are the currently active contacts for booster registration with U.S. wireless providers:

<https://www.uscellular.com/uscellular/support/fcc-booster-registration.jsp> [https://www.sprint.com/legal/fcc\\_boosters.html](https://www.sprint.com/legal/fcc_boosters.html)  
<https://www.verizonwireless.com/solutions-and-services/accessories/register-signal-booster/> <https://support.t-mobile.com/docs/DOC-9827> <https://securec45.securewebsession.com/att-signalbooster.com/>

**IC Statement:** This device complies with Innovation, Science and Economic Development Canada ICES-003 Compliance Label: CAN ICES-3 (B) / NMB-3(B). Le présent appareil est conforme Innovation, science et développement économique Canada ICES-003 Étiquette de conformité: CAN ICES-3 (B) / NMB-3 (B).

Please follow the link to access the CPC-2-1-05:

<http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf08942.html>

**This is a CONSUMER device.**

BEFORE USE, you MUST REGISTER THIS DEVICE with your wireless provider and have your provider's consent. Most wireless providers consent to the use of signal boosters. Some providers may not consent to the use of this device on their network.If you are unsure, contact your provider.

In Canada, BEFORE USE, you must meet all requirements set out in ISED CPC-2-1-05.

You MUST operate this device with approved antennas and cables as specified by the manufacturer. Antennas MUST be installed least 20 cm(8 inches)from(i. e..MUST NOT be installed within 20 cm of)any person.

You MUST cease operating this device immediately if requested by the FCC(or ISED in Canada)or a licensed wireless service provider.

WARNING. E911 location information may not be provided or may be inaccurate for calls served by using this device.

This device may be operated ONLY in a fixed location(i.e., may operate in a fixed location only )for in-building use.

## Return and Warranty Policies

**30-Day Money-Back Guarantee:** If for any reason the performance of any product is not acceptable, the product may be returned to the reseller within 30-days with proof of purchase. Please contact the customer support team.

**3-Year Warranty:** Signal boosters and kits are warranted for 3 years. We will repair or replace the unit and will cover the cost of delivery back to consumers located within the continental US and Canada. We will only cover shipping to our office if the booster was delivered to you recently, and was delivered defective. Damage caused by the use of non-company power supplies or other accessories is not covered under warranty.

Customers can choose to return the signal boosters and kits directly to the manufacturer at the purchaser's expense with a dated proof of purchase and a Returned Material Authorization (RMA) number supplied by us. RMA numbers may be obtained by contacting customer support at 972-870- 5666 or support @hiboost.com

This warranty does not apply to any signal boosters or kits determined by us to have been subjected to tampering, misuse, abuse, neglect, or mishandling that alters or damages physical or electronic properties.

We are not liable for any Signal Supervisor application network connectivity issues. The cell phone signal booster relies on a strong, continuous and reliable connection to the internet in order to communicate with the cell phone application. For all Signal Supervisor Application related issues, please check your network strength and call our technical support.

Failure to use a surge-protected AC power strip with at least a 1000 Joule rating will void your warranty. Damage caused by lightning is not covered by this warranty.

All of the products that are packaged with other accessory products are intended for resale and used as a single integrated system. Such product kits are required to be sold to the end-users or subsequent reseller as packaged.

## Safeguard Features

This signal booster incorporates multiple safeguard features to ensure reliable operation and to prevent harmful interference to wireless networks. These protection mechanisms are designed to comply with FCC requirements for consumer signal boosters.

### 1. Anti-Oscillation Protection

The booster is equipped with an automatic anti-oscillation function to detect unintended feedback between the donor antenna and indoor antenna.

When an oscillation condition is detected, the system will automatically reduce the gain or temporarily disable amplification to eliminate the oscillation and prevent interference to cellular networks.

This protection function operates automatically and cannot be disabled by the user.

### 2. Automatic Gain Control (AGC)

The booster incorporates an Automatic Gain Control (AGC) function that continuously monitors input signal conditions and adjusts the system gain automatically.

The AGC function prevents excessive output power caused by strong input signals and maintains stable amplification performance within FCC-defined limits.

### 3. Output Power and Noise Limiting Protection

The device includes output power limiting and noise power control mechanisms to prevent excessive signal transmission and unwanted emissions.

These functions help ensure that the booster operates within authorized power levels and minimizes potential interference with cellular networks.

### 4. System Monitoring and Protection

The booster continuously monitors operating conditions, including signal levels and system performance.

If abnormal operating conditions are detected, the device will automatically adjust its operating parameters or reduce amplification to maintain safe and compliant operation.

The safeguard features described above operate automatically during normal operation. Users do not need to manually configure these protection functions.

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.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

