SHENZHEN HUAPTEC, LTD OWWF110725S Zorida Ace 5S User Manual

Manualsum, simplified manuals

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Zorida Ace 5S User Manual

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50ft SMAM-SMAM Outdoor Cable

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Accessories for main parts
are all provided

Introduction

The exclusive cloud-based signal monitoring mobile application of the Zorida cell booster allows users to remotely monitor the real-time status of Zorida cell phone signal boosters anytime, anywhere directly through their mobile devices.

If there are any issues while installing a Zorida Ace 5S cell phone signal booster, please contact the Zorida technical support team through the following options:

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

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

service@zorida.com

Pre-Installation Instructions

We strongly recommend you to read the user guide completely before you install.

Zorida 5S booster provides App assisted installation.

1.App Assisted Installation:

From Page 08~19.

It's more convenient and many work could be done by ONE person, and the most important is that the obtained signal can be very precise.
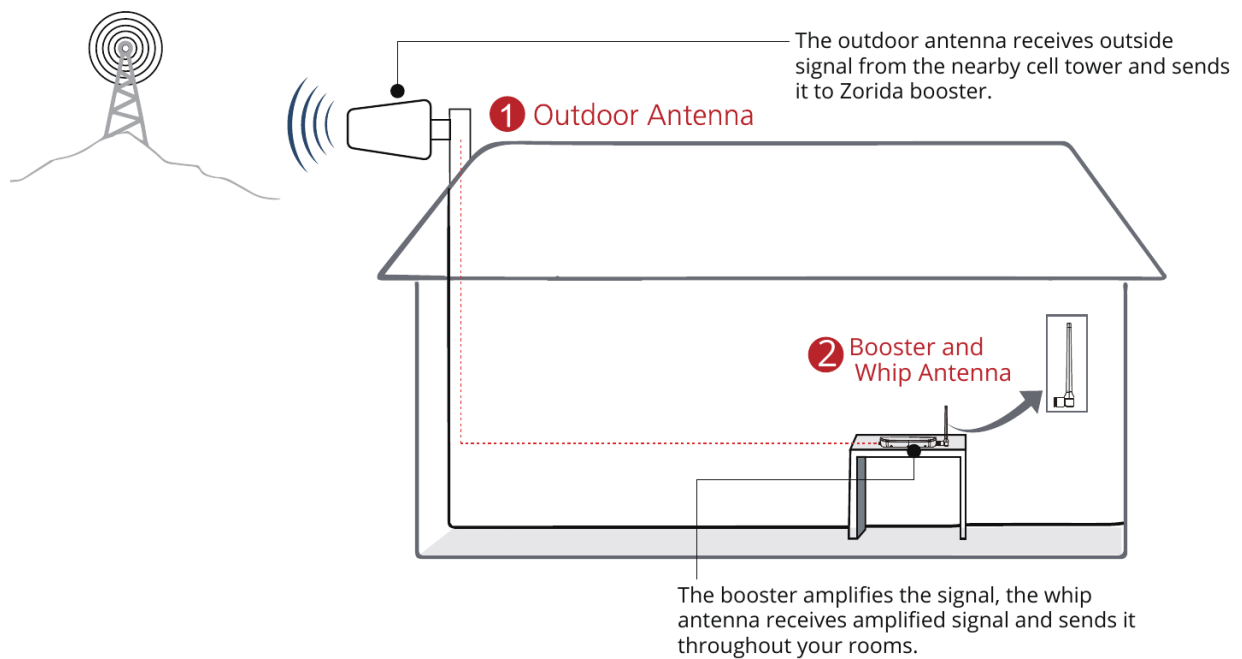

The app helps you find the best signal outside
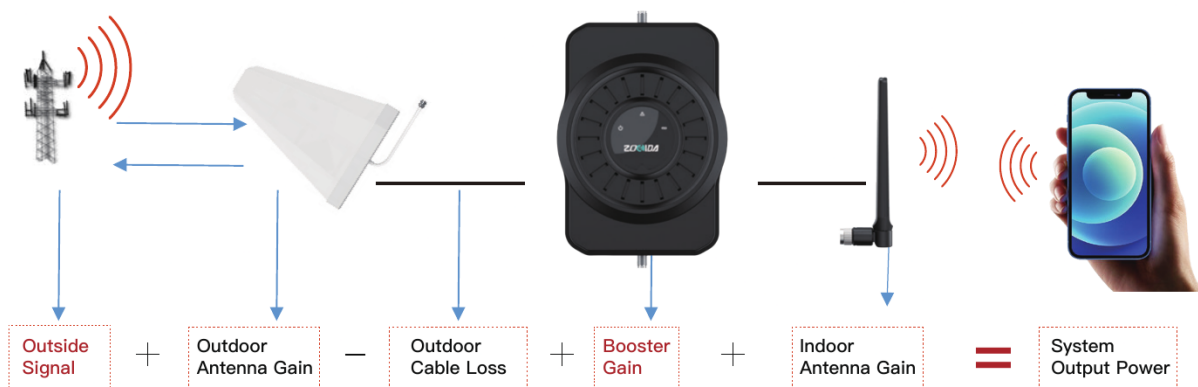
General Working Principle:

Before we start any of the two ways, please allow us to spend 3 pages to make you understand how the booster system works for you.

- Please do spend some time to read it fully, as it is crucial to get full bars for your rooms.

How Zorida booster works

The outdoor antenna receives outside signal from the nearby cell tower and sends it to Zorida booster.

1 Outdoor Antenna

2 Booster and Whip Antenna

The booster amplifies the signal, the whip antenna receives amplified signal and sends it throughout your rooms.

Working Principle in Formula

| Outside Signal | + | Outdoor Antenna Gain | − | Outdoor Cable Loss | + | Booster Gain | + | Indoor Antenna Gain | = | System Output Power |

Out of the Formula:

Outside Signal: To be received by outdoor antenna from cell tower
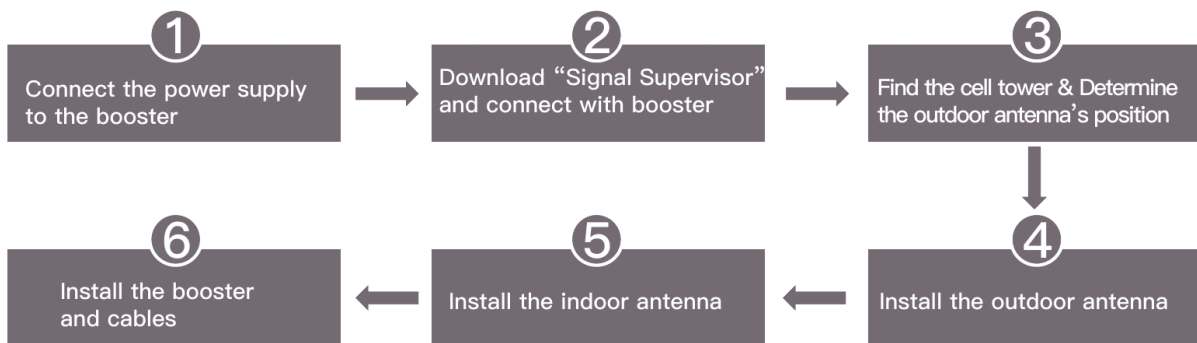
Outdoor Antenna Gain: The gain of outdoor antenna

Outdoor Cable Loss: The loss of the outdoor cable

Booster Gain: The actual working gain of the booster

Indoor Antenna Gain: The gain of indoor antenna

App Assisted Installation

① Connect the power supply to the booster	→	② Download "Signal Supervisor" and connect with booster	→	③ Find the cell tower & Determine the outdoor antenna's position
⑥ Install the booster and cables	←	⑤ Install the indoor antenna	←	④ Install the outdoor antenna

Step 1: Connect the Power Supply to the Booster

Power Supply   Signal Booster

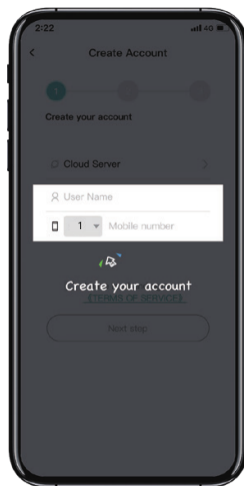**Step 2: Download Signal Supervisor app and connect the booster**

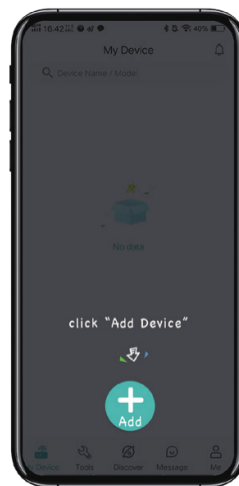Download the Signal Supervisor app, register ID and booster.

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. Plug in the booster
4. Click "Add Device" to register the booster into the app.
5. As the device is equipped with a built-in Bluetooth antenna, there is no need to connect outdoor or indoor antennas at this moment.
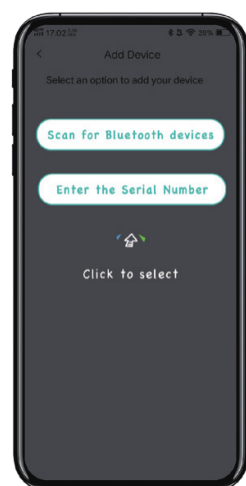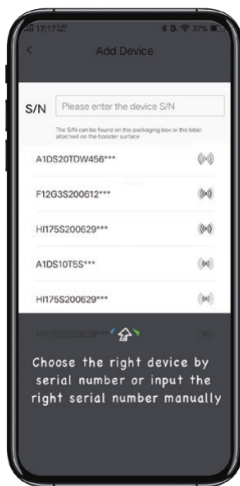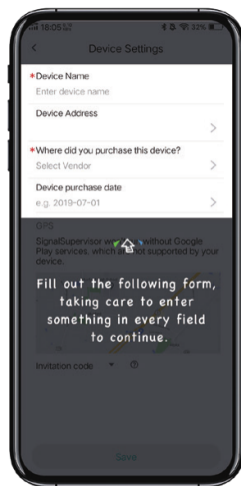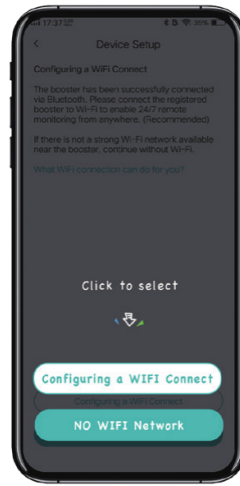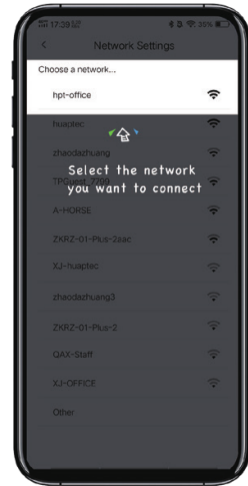
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Step 3: Find the cell tower & Determine the outdoor antenna's position
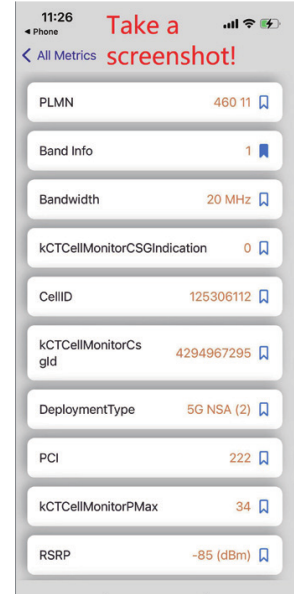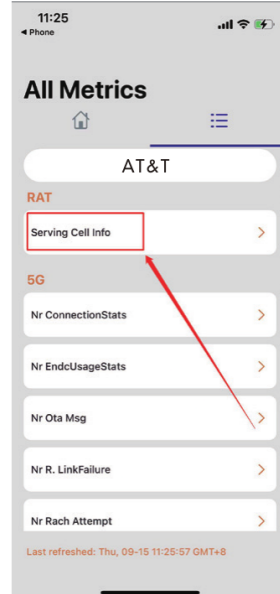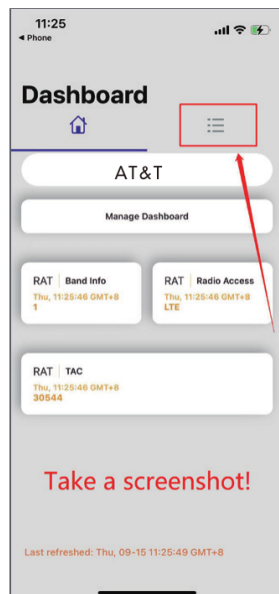
3.1 Find the band you are using

For Android

Download NetWork Cell Info Lite in the Google store and open it. It can be seen from the example picture that the frequency band is band 13. (According to the form before, you need to pay attention to Gauge LTE700)
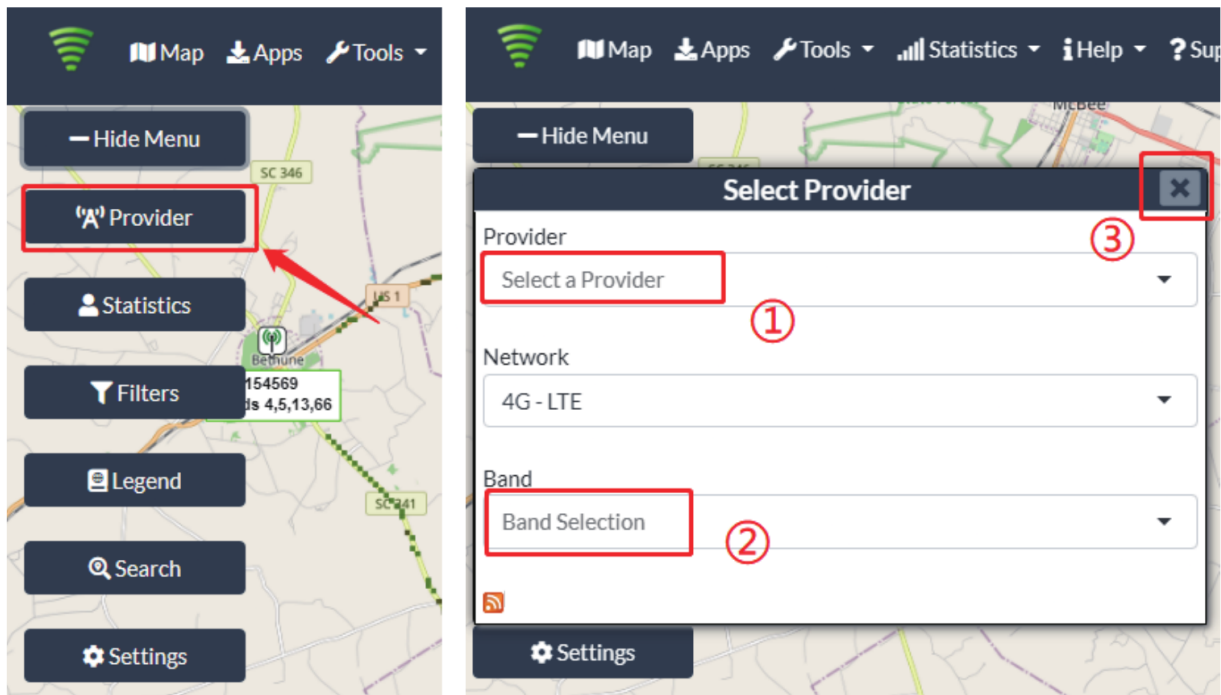
For ios

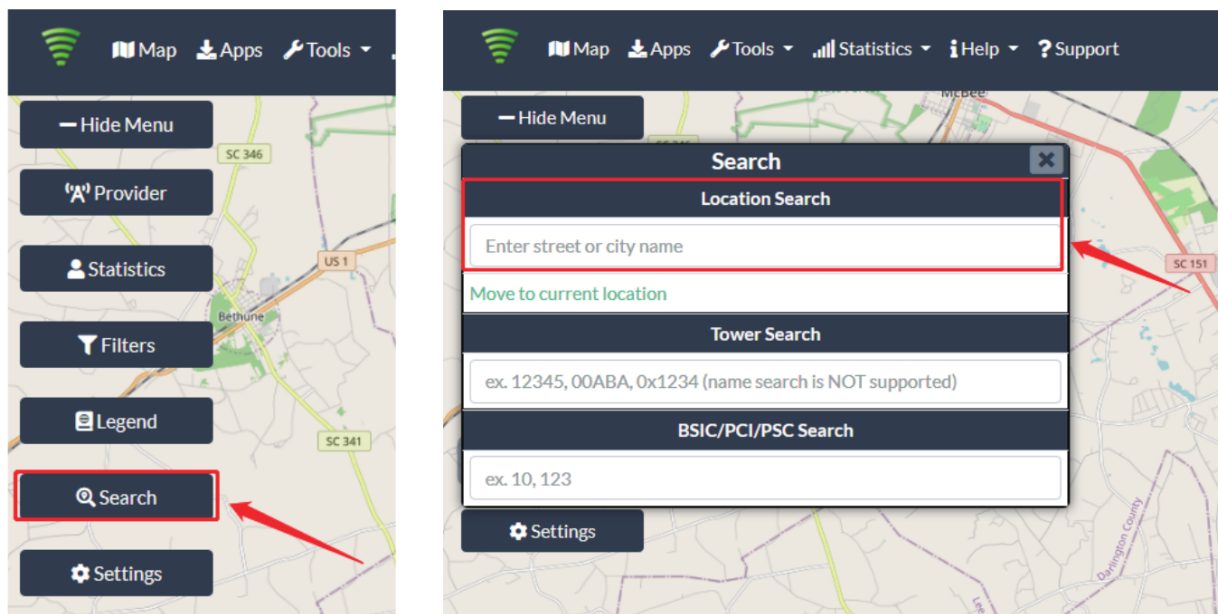Follow the instructions, take the screenshot as required.

3.2 Find the cell tower

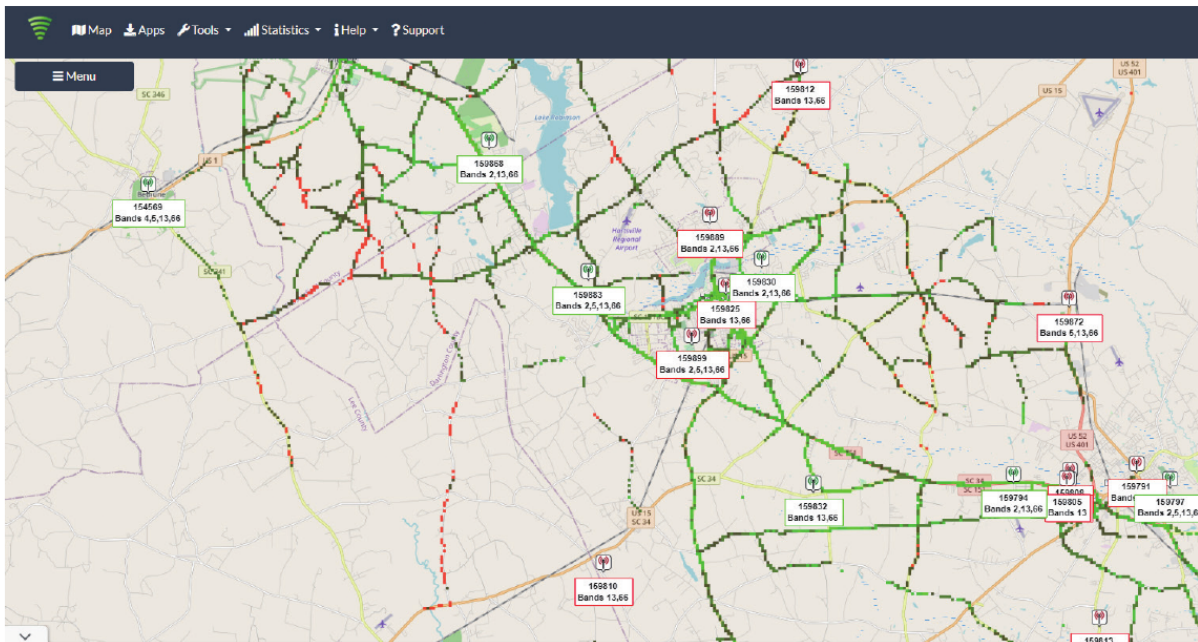Enter cellmapper.net. Choose your own carrier and band here.

Then enter the coordinate of where you are trying to install the signal booster, and press Enter key.

After the map jumps to the location, you can scroll the mouse pulley and zoom it out, then you will see the tower near the location. It would be better to take a screenshot of this page to guide the following installation steps.

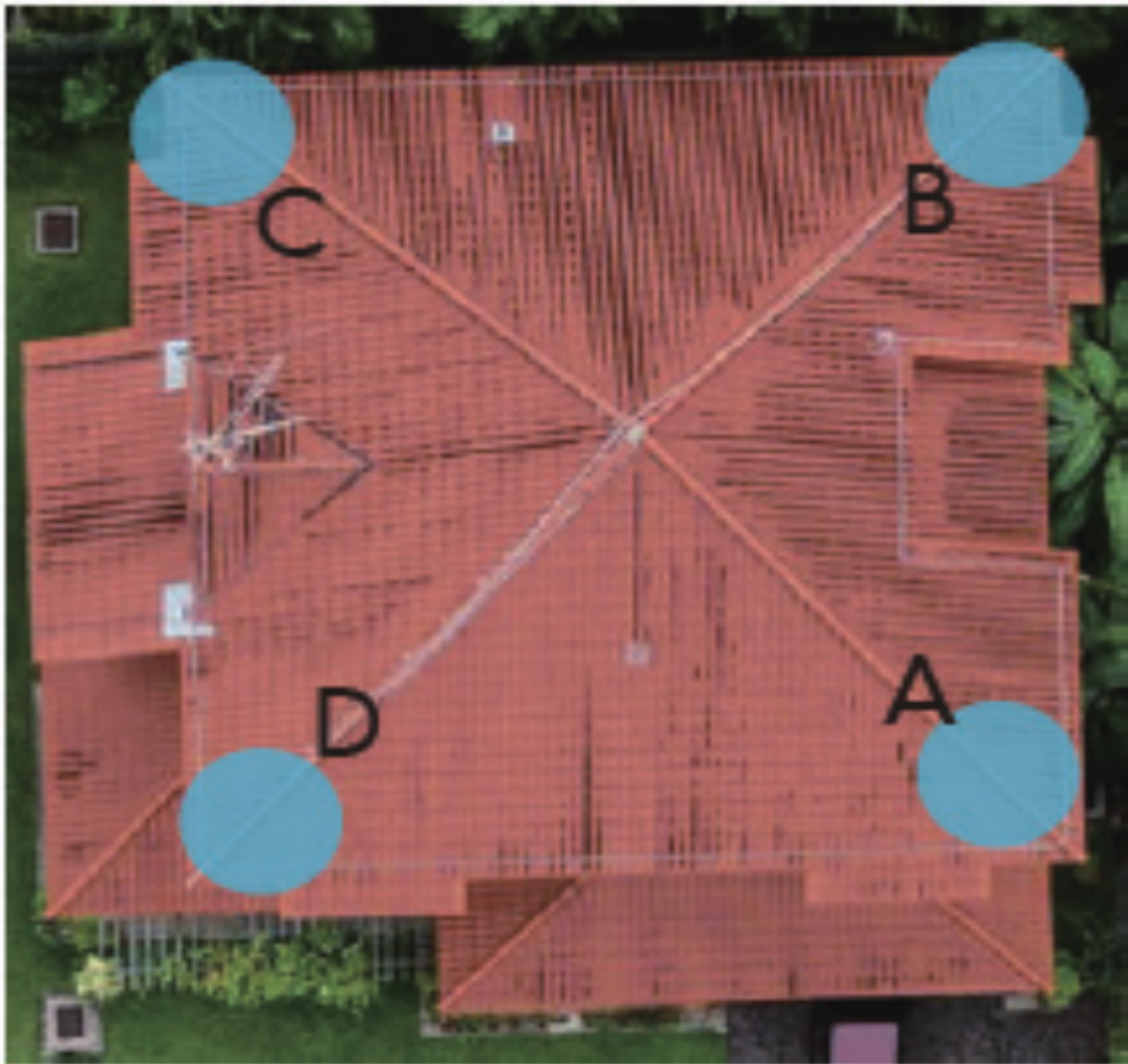Should you have any questions, please contact our tech support.

3.3 Determine the outdoor antenna''s position

The outdoor antenna is usually placed at one of the 4 ends of the roof. Please choose the position according to the tower's location.
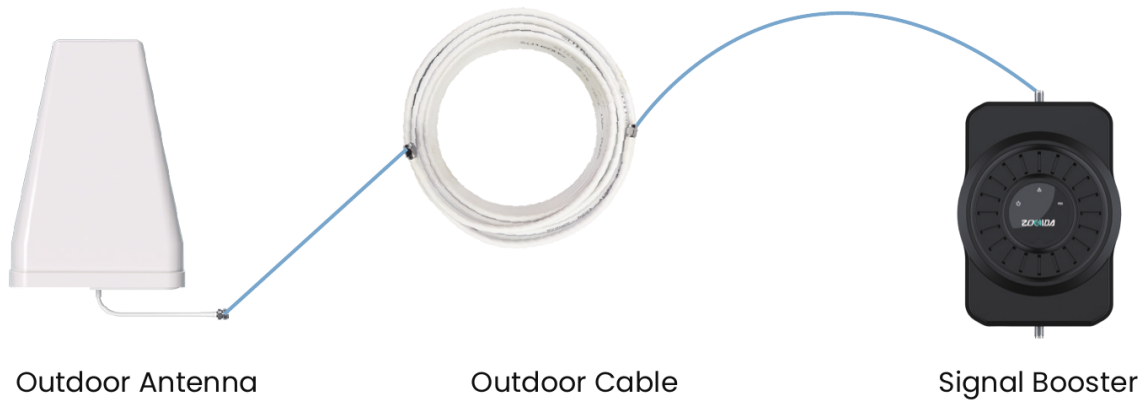
Make sure there are no barriers between the antenna and the tower.

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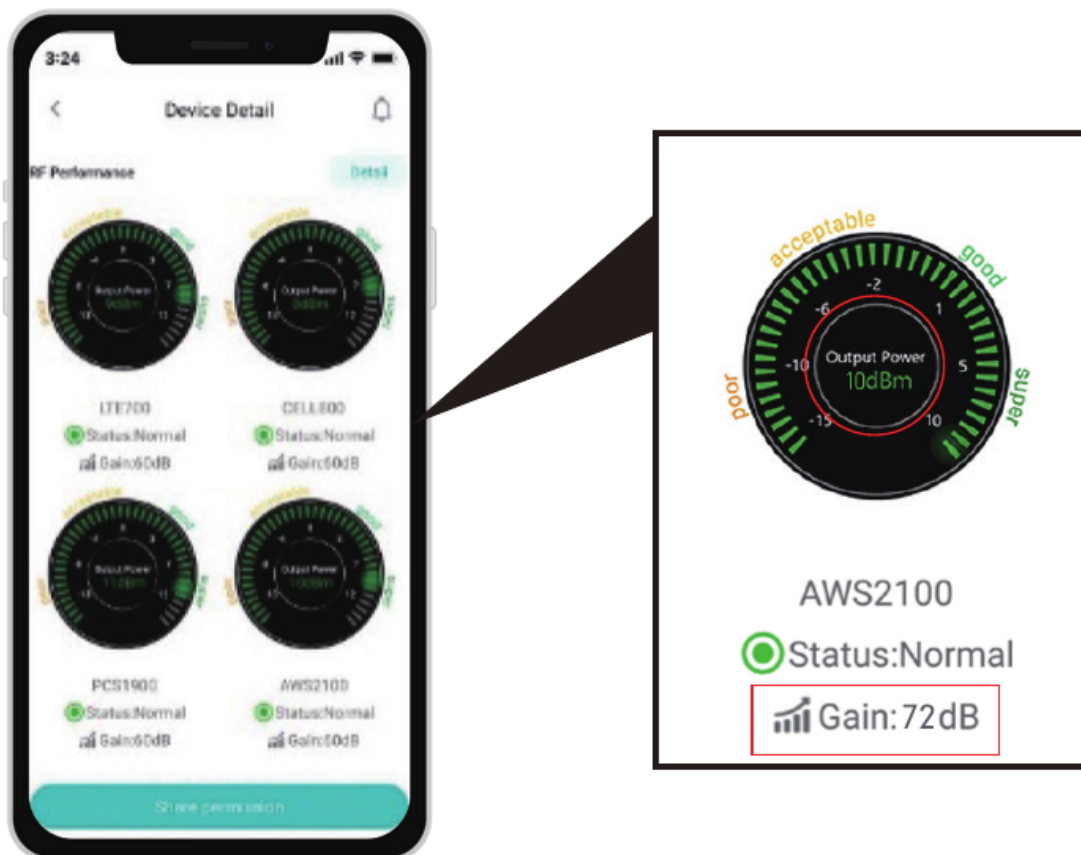**Step 4 Install the outdoor antenna**

4.1 Connect the outdoor antenna with the booster

1. Put the booster near to the location you would like to install in the future, or a place with power outlet temporarily.
2. Plug in the booster and make sure the Signal Supervisor app links with it smoothly.
3. Connect the booster with the outdoor antenna by the 49.2 cable.

Outdoor Antenna   Outdoor Cable   Signal Booster
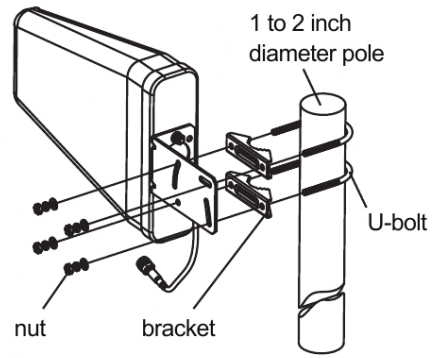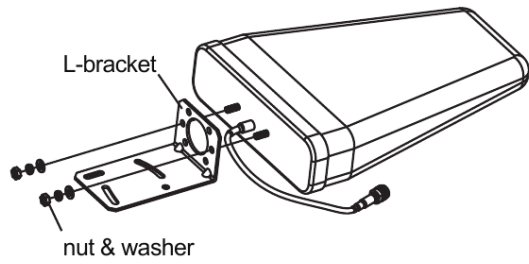
4.2 Adjust and fix the Outdoor Antenna

Have your outdoor antenna pointed to the cell tower you found before and observe the reading on the app. Adjust the outdoor antenna accordingly.
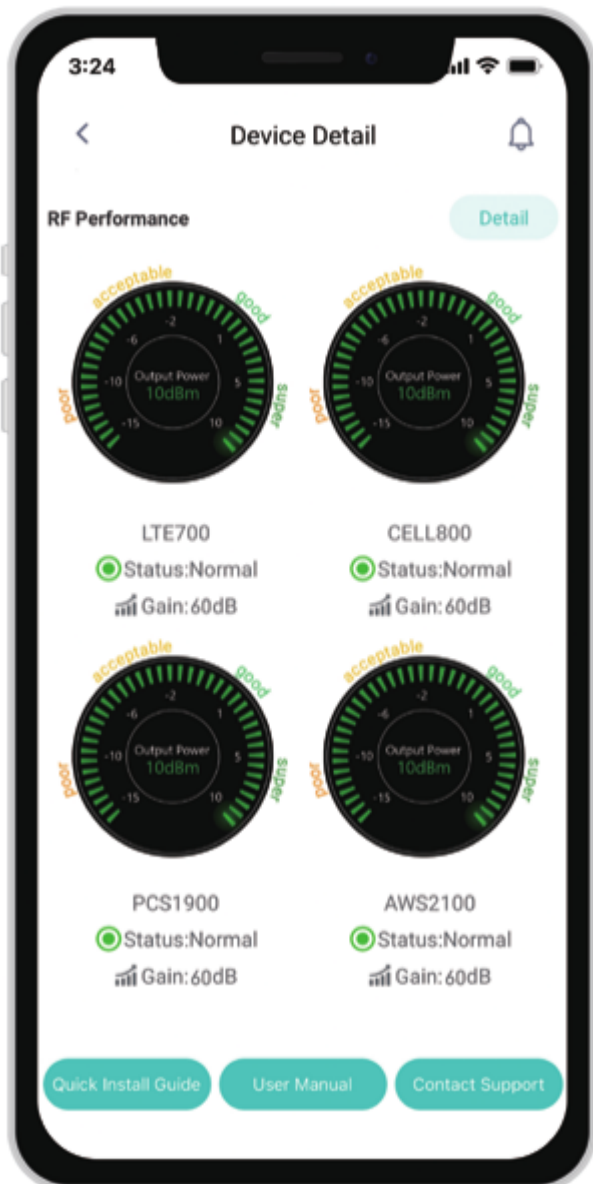

4.3 Install the outdoor antenna firmly

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L-bracket

nut & washer

1 to 2 inch diameter pole

U-bolt

nut   bracket

4.4 Reconfirm that the signal on signal gauge is the best!
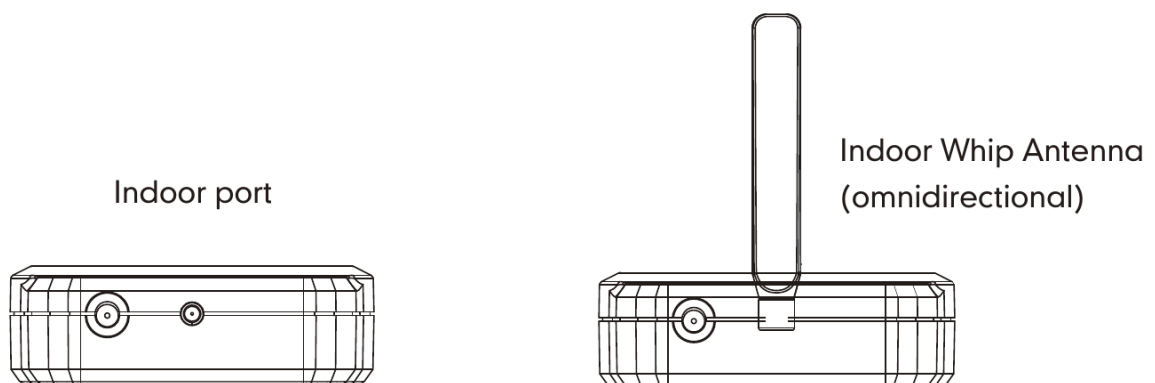
Please do take following screen shot for future comparison during indoor antenna install.

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.
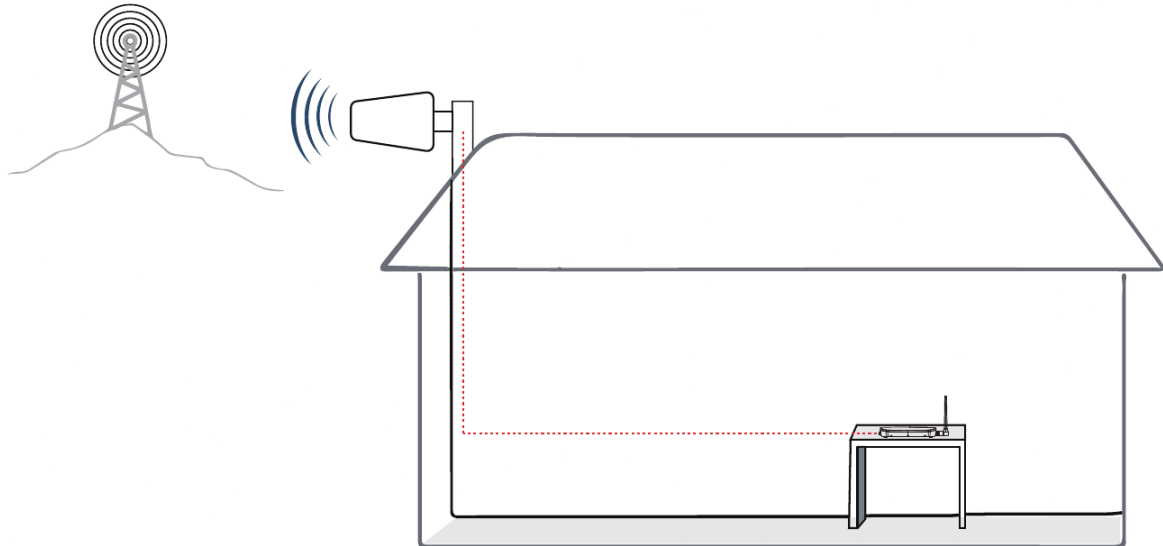
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Step 5: Install the indoor antenna

1) Connect the indoor antenna with the booster

Indoor port

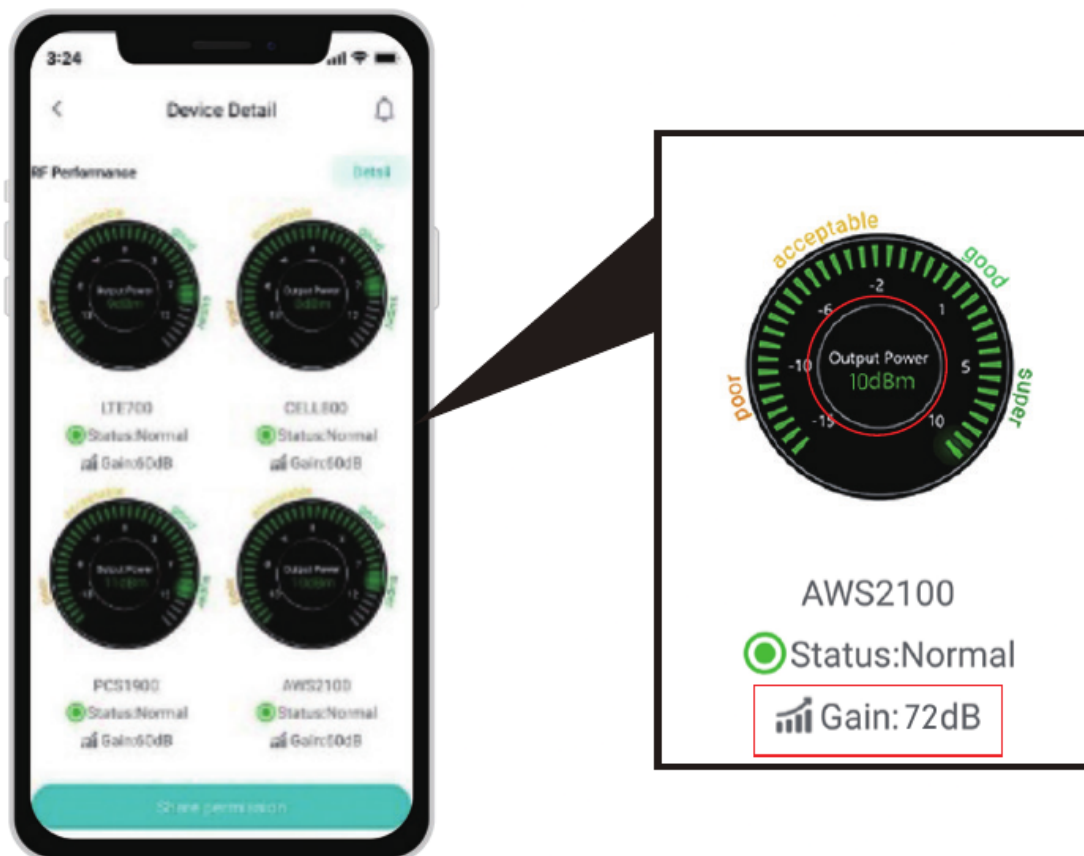Indoor Whip Antenna
(omnidirectional)

Connect the whip antenna to the Indoor port, and 13 feet lower in elevation, 30 feet separation between indoor whip antenna and outdoor antenna horizontally. (Put the booster where you would like to cover with signal.)

2) Install the indoor antenna

Put the signal booster on a dry and cool desktop, and it shall be easily accessible for maintenance. (As the whip antenna is a kind of omni antenna, it is suggested that the booster should be placed on a desk in the center of the area you would like to cover, rather than on a wall)

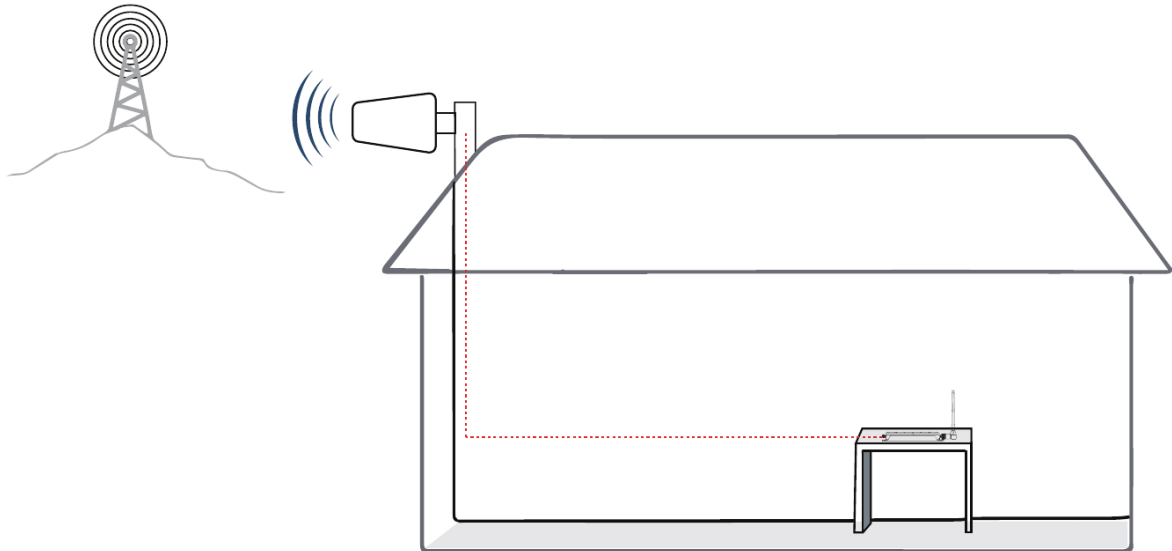3) Adjust the position of the indoor antenna

4) Signal quality test

You could do the following:

1. First make sure the signal gauge value is unchanged from that during the outdoor antenna installation.
2. Do speed tests with the booster on and off, and make a comparison.
3. Check if the number of signal bars increases.

4. Make a phone call or send messages and check if the voice and streaming are better.

Step 6: Install the booster and the cables

Based on personal need for coverage area, simply place the signal booster on the table, please make sure the booster is within the coverage area or mount the signal booster on a dry and cool areq, and it shall be easily accessible for maintenance.

Test again the performance after installation is done

1. First make sure the Signal gauge value is unchanged from the outdoor antenna install.
2. Test by a third-party app, calls and network data is smooth in most indoor signal cover-age areas.

Now everything is completed and please start to enjoy the mobile services.