

User Manual

Hi10-5S

MADE IN HUAPTEC

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Safety Warnings

⚠ You should follow system requirements of mobile signal enhancement equipment, assure good grounding and lightning protection.
⚠ Booster's power supply voltage should meet the standards of security requirements; any operation should be carried out only after cutting off the booster power in advance. Only the professionals are authorized for the operation.
⚠ Do not dismantle the booster, maintain or displace accessories by yourself. This way the equipment can be damaged and you can even get an electric shock.
⚠ Do not open the booster, touch the module of the booster, or open the cover of the module to touch the electronic component. The components will be damaged due to static electricity.
⚠ Keep away from heating equipment, because the booster will dissipate heat during working. And do not cover booster with anything that influences heat-dissipation.
⚠ The device has a plug connection, the socket must be close to the device and accessible.
⚠ During the transportation and storage process the device should be protected against humidity,violent impact and strong vibration.

Package Content

Hi10-5S	Outdoor Wide Band Directional Antenna	Indoor Wide Band Panel Antenna	Power Supply
			

Warning: Un-authorized antennas, cables, and/or coupling devices are prohibited for use

Introduction

Thanks again for purchasing a HiBoost Booster! Our new signal booster is a precision-engineered product that improves cellular reception.

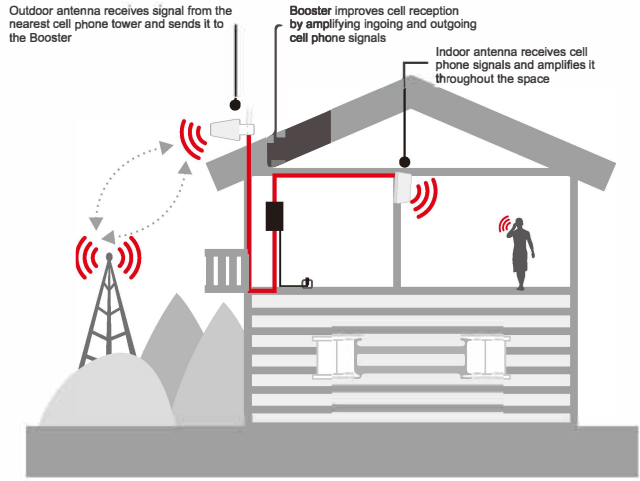
HiBoost's exclusive cloud-based Signal Supervisor mobile application allow users to monitor the live status of HiBoost cell phone signal boosters remotely from a mobile device anywhere at any time.

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

24/7 Online Support: Create a ticket or chat via Signal Supervisor App
Phone: +44 (20) 3239-5808

Email: sales@huaptec.eu
Website:
www.hiboost.com/eu /

How Signal Boosters Work



Pre-Installation Instructions

HiBoost's booster unit and antennas must be strategically placed in order to perform and provide maximum coverage.
The HiBoost Signal Supervisor app allows users to communicate to the booster via Bluetooth or Wi-Fi connection. Once registered, the user can remotely monitor the travel booster's performance.
Note: Signal Supervisor enabled boosters must have access to a Bluetooth enabled device in order to connect to the booster.

Professional Installation Tips:

- For a fast and optimized installation, it is strongly recommended that users install HiBoost products using the Signal Supervisor mobile application.
- Read the user manual completely and gather all the necessary tools, material and accessories before installing the booster
- A "soft installation" is recommended before permanently mounting any equipment – this technique will simplify the installation process by allowing users to identify any potential installation issues beforehand
- The Signal Supervisor App integrates a tool that will help users locate the best location for the outdoor antenna.
- It is important to have a strong and stable WiFi connection to the booster.

Installation – Signal Supervisor App

Before installing the Signal Supervisor App, please have the booster unit that is powered on and nearby.
Note: Turn on the Bluetooth feature enabled before attempting to register the booster to the mobile device.

Step 1: Download the Signal Supervisor App
- The application is available for download through Apple's App Store or Google Play

Step 2: Create a New Account and Log-in
- Launch the app on your mobile device
- Select the **HiBoost Server**
- Log-in with an existing account create a new one

Step 3: Register the Booster by adding a device on the home menu
Go to My Devices > Add a Device

Step 4: Follow the step-by-step Quick Installation Guide after registering the booster.
You can also access the guide by following:
Go to My Devices > Select the Booster > **Device Details > Quick Install Guide**

Note: Bluetooth connections are limited to a range of only 9 meters.
If there are any issues installing the booster, please contact our technical support team via the Online Support Chat.

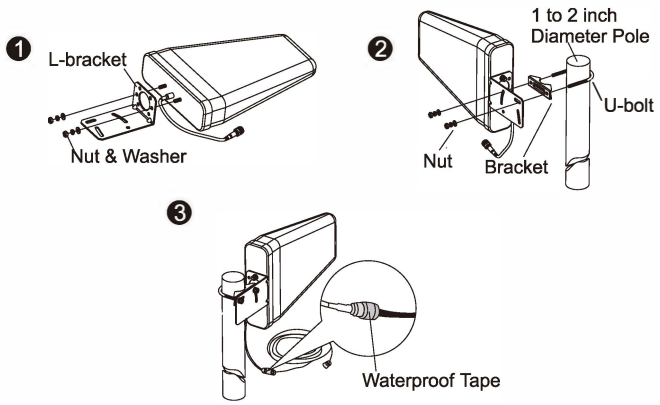
Installation – Manual Method

Before beginning the installation, it is important that users survey and plan the layout of the cell phone signal booster system. Please review the following instructions before attempting to install this system.
In this set up, the user will need to use the outdoor antenna to find the strongest source of nearby cellular signal (generally in the direction of the nearest cell phone tower). This will optimize the system by helping user install the booster and antennas in the best position and direction.
A. Finding the Strongest Outdoor Signal
B. Install the Booster
C. Finalize the Installation

Step 1. Outdoor antenna Installation

There is not an antenna mast included in this kit. If you have question about how to install outdoor antenna, please call our support team. Below are installation

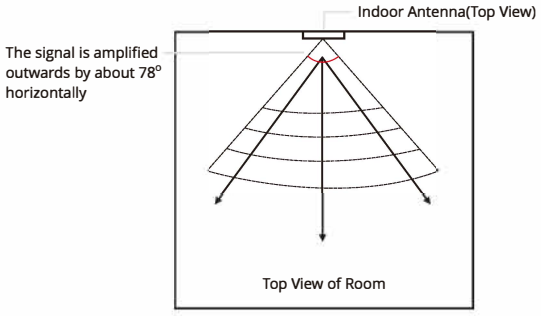
instructions on how to install the mounting bracket. please follow the steps below to install the outdoor antenna with the mounting hardware included in the kit.



Note: Wrap waterproof tape around the connectors between outdoor antenna and feeder line to avoid water or other kind of damage.

Step 2. Install Indoor Antenna

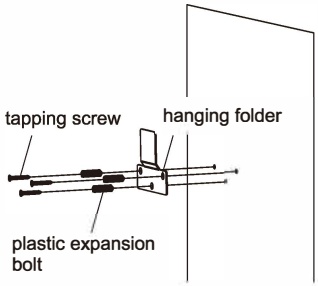
While determining where to install the indoor panel antenna, please ensure that there is at least 20 ft (6m) of vertical separation between the outdoor and indoor antenna. To avoid any oscillation issues, it is recommended that the outdoor antenna is pointed away from the indoor antenna.

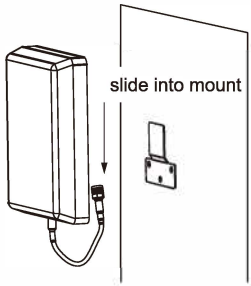


The panel antenna included in this kit will be mounted to the wall. It has a coverage area that is a sector with a tilted angle. The signal is amplified outwards from the front of the indoor antenna at a horizontal angel of 80-degrees. The height between the floor and the indoor antenna can vary. Follow the steps below to install the indoor antenna.

1. Connect the indoor antenna to the booster using the coaxial cable.

2. Push the cable firmly into the jack on both the antenna and the booster, then turn the connector sleeve clockwise until the connectors are tight.
3. Find a location to mount the indoor panel antenna and permanently mount the indoor antenna panel antenna with the hardware provided in the kit.





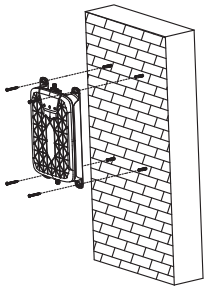
Note: It is important that the indoor and outdoor antennas are pointed away from each other.

The outdoor signal strength will affect performance. It is important that users install the outdoor antenna in the right position on a mast that is mounted outside from the roof, balcony or ground.

It may help to visit an online resource such as www.cellmapper.net, www.cellrecption.com or www.antennasearch.com
1. Once the best location is located, use the hardware provided in the kit to mount the outdoor antenna on a mast pointing towards the nearest cell phone tower.
2. Connect the outdoor antenna transmission cable to the coaxial cable provided in the kit, then connect the coaxial cable to the outdoor port on the booster.
Note:

- It is easier to optimize the outdoor antenna installation using the Signal Supervisor app since it can determine real-time signal measurements using the outdoor antenna and signal booster.
- Find the best location for the outdoor antenna by using a cell phone to monitor the number of signal bars being received while slowly moving around to different locations.
- It is recommended that users perform multiple tests while moving around to different locations- refresh the signal bar readings by turning off and on airplane mode on the cell phone.
- It is important to gain height above nearby obstructions (such as trees, buildings, etc.) while mounting the outdoor antenna on mast.

Step 3. Install Signal Booster



1. Select the location near a power supply on a wall.
2. Mount the booster with the screws included into the kit as shown on the graph below.
3. Connect the outdoor antenna cable to booster connector marked as “outdoor”. Tighten the connection by hand or with a wrench.
4. Connect the indoor antenna cables to booster connector marked as “indoor”. Tighten the connection by hand or with a wrench.
5. Connect AC power cord to the signal booster, then connect the plug to the electrical outlet to power on the booster.

Note: If it's necessary to install multiple indoor antennas solution, please contact us, We will provide you with a professional installation coverage plan.

Troubleshooting Guide

LED STATUS INDICATORS		
Alarm LED	Solid blue	Below full output power
	Slow flashing blue	Full output power
	Quick flashing blue	Output power is too high
	Quick flashing red	Booster will automatically shut down excessive downlink signal
Bluetooth LED	Slow flashing blue	Bluetooth disconnected
	Quick flashing blue	Bluetooth connected

Common Issues	Troubleshooting Instructions
The vehicle booster is installed but there's still no signal	Check to see if the vehicle is started. Double check connections to make sure none are loose.
The signal is not stable after turning on the booster power	Check that the outdoor signal is stable by referring to your mobile device and checking your coverage.
The Alarm LEDs are quick flashing blueor red or off	Check to make sure vehicle is not parked too close to a cell tower.
There is No Power	Check that the booster is turned on and the DC power outlet is plugged into the DC 12V port or lighter adapter

For more information or technical support, please contact our team.
Phone: +44 (20) 3239-5808
Email: sales@huaptec.eu
Website: **www.hiboost.com/eu/**

Technical Specifications

Parameter		Uplink	Downlink
Frequency Range	800 MHz	832~862 MHz	791~821 MHz
	900 MHz	880~915 MHz	925~960 MHz
	1800 MHz	1710~1785 MHz	1805~1880 MHz
	2100 MHz	1920~1980 MHz	2110~2170 MHz
	2600 MHz	2500~2570 MHZ	2620~2690 MHZ
Max .Gain		55dB	60dB
Max. Power		16dBm	10dBm
Electrical Parameter			
Power Supply		Input DC 100-240V,50/60Hz, Output DC5V/3A	
Power Consumption		≤12W	
Input & Output Impedance		50 ohm	
Indicator			
LCD Display		Frequency, Gain, Output Power, ALC, ISO, etc.	
Mechanical Parameter			
I /O Port Type		SMA-Female	
Dimension		6.8*4.4*1inch/173*112*21mm	
Weight		≤1.76lbs /0.8KG	
Environment Parameter			
Operating Temperature		-10°C~+55°C	
Storage Temperature		-10°C~+80°C	
Relative Humidity		5% - 95%	
Barometric Pressure		55 kPa -106 kPa	
Environment Conditions		IP40	

Return and Warranty Policies

60-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 60 days with a proof of purchase. Please contact the HiBoost customer support.

2-Year Warranty: HiBoost signal boosters and kits are warranted for 2 years. Huaptec offers two options for the products under warranty: repair or replace. This warranty does not apply to any signal boosters or kits determined by HiBoost to have been subjected to tampering, misuse, abuse, neglect, or mishandling that alters or damages physical or electronic properties.

All HiBoost products that are packaged with other HiBoost accessory products are intended for resale and use as a single integrated system. Such product kits are required to be sold to an end-user or a subsequent reseller as packaged.

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