

Home
HiBoost Hi13-5S-Evo

Description

HiBoost five band booster Hi13-5S-Evo is designed to improve mobile signal for end users directly. It covers any indoor area up to 1000 (4-7 rooms) square meters and is guaranteed to supply great communication experience with clearer calls and higher mobile data speeds than ever.

Key Features

- Supports LTE800 MHz, EGSM900 MHz, DCS1800 MHz, WCDMA2100 MHz, LTE2600 MHz
- Real-time color and touch LCD display
- Manual and automatic gain control functions
- Bluetooth and Wi-Fi modules
- Setup and monitoring via the Signal Supervisor mobile App
- Self-oscillation protection
- Quality built, strong and durable construction



Standard Kit Includes

- Hi13-5S-Evo mobile signal booster
- 12V/4A, AC/DC power supply
- Outdoor directional antenna
- 50 ft (15.2m) low-loss HiBoost 5D cable (2 pcs)
- Indoor panel antenna



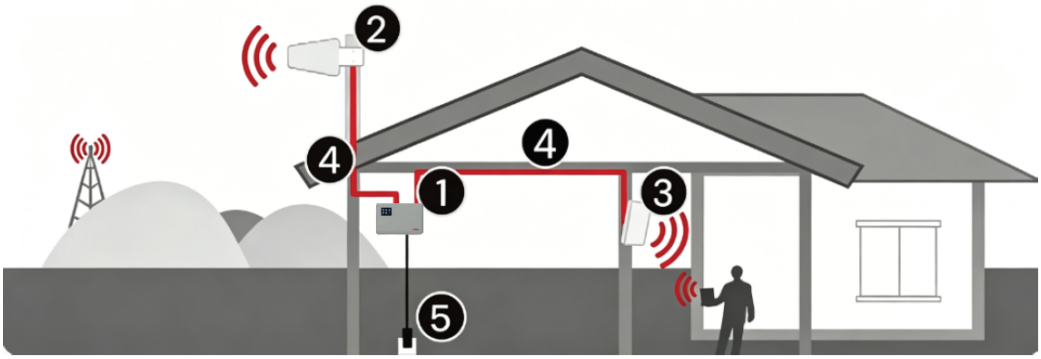
Address: Peterstraße 53+55, 52353 Düren-Merken, GERMANY Email: sales2@huaptec.eu Website: https://www.hiboost.eu/
Designed and Produced by Huaptec

Installation Examples

Easy installation in 4 simple steps :

1. Find the strongest received signal for the location of the outdoor antenna.
2. Install the outdoor antenna on the roof to obtain the strongest downlink signal from the local cellular towers. It should also be as far away as possible from where you plan to place the indoor antenna (vertical separation is more important than horizontal separation).
3. Install the indoor antennas where you want to improve the signal level.
4. Mount the booster, connect the cables from the outdoor and indoor antennas at the designated ports, and connect the booster to the AC supply (make sure all the cables are connected before applying power).

Product installation diagram :



1-Booster

2-Outdoor directional antenna

3-Indoor panel antenna

4-Low-loss Hiboost 5D cable (2 pcs)

5-Power supply

Antenna separation requirements :

Separation Type	Minimum Distance
Horizontal (same floor)	30 ft (9 m)
Vertical (different floors)	13 ft (4 m)
Ideal configuration	indoor antenna on opposite wall facing inward

Specification

RF Parameter		Uplink	Downlink
Frequency Range	800MHz	832~862MHz	791~821MHz
	900MHz	880~915MHz	925~960MHz
	1800MHz	1710~1785MHz	1805~1880MHz
	2100MHz	1920~1980MHz	2110~2170MHz
	2600MHz	2500~2570MHz	2620~2690MHz
Max .Gain		60dB	65dB
Max. Output power		20dBm	13dBm
MGC (Step Attenuation)		≥31dB / 1dB step	
Intelligent AGC*	ALC	≥31dB	
	ISO	≥31dB	
Gain Flatness		Typical≤5dB (p-p)	
Noise Figure @ Max. System Gain		Typical≤5dB	
V.S.W.R		Typical≤2	
Group Delay		≤1μs	
Frequency Stability		≤0.01ppm	
Electrical Parameter			
Power Supply		Input AC90~264V,50/60Hz, Output DC12V/4A	
Power Consumption		≤20W	
Input & Output Impedance		50 ohm	
Indicator			
LCD Display		Frequency, Gain, ALC, ISO, etc.	
Mechanical Parameter			
I /O Port Type		SMA-Female	
Dimension		171*266*55 mm	
Weight		≤2.5KG	
Environment Parameter			
Operating Temperature		-10ºC~+55ºC	
Storage Temperature		-10ºC~+80ºC	
Relative Humidity		5% - 95%	
Barometric Pressure		55 kPa -106 kPa	
Environment Conditions		IP40	

* MGC, ALC and ISO share intelligent AGC 31dB range.

** ALC: 31dB automatic gain adjustment range to stabilize the output power.

*** ISO: 31dB intelligent isolation processing to avoid self-oscillation.

Note: This is a typical specification for room temperature.

We reserve the right to change this specification without prior notice.