


# Plus Series
# HiBoost Hi23-5S-Plus

## Description

The HiBoost five-band booster Hi23-5S-Plus is designed to improve mobile signal coverage for end users. It supports indoor areas up to 5500 square meters (12-20 rooms) and provides an enhanced communication experience with clearer calls and faster mobile data speeds.

## Key Features

- Supports LTE800 MHz, EGSM900 MHz, DCS1800 MHz, WCDMA2100 MHz and LTE2600 MHz
- Real-time 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

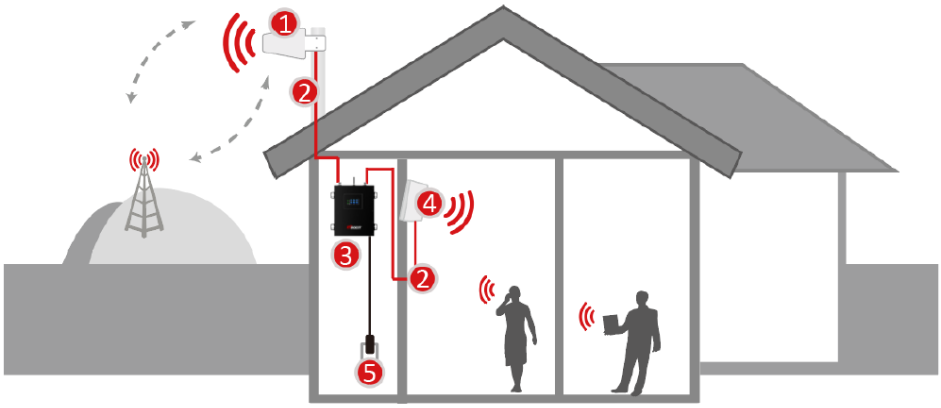
- Hi23-5S-Plus mobile signal booster
- Outdoor wide band directional antenna
- 50 ft (15.2m) low-loss HiBoost300 cable
- 12V/7A, AC/DC power supply




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Designed and Produced by Huaptec

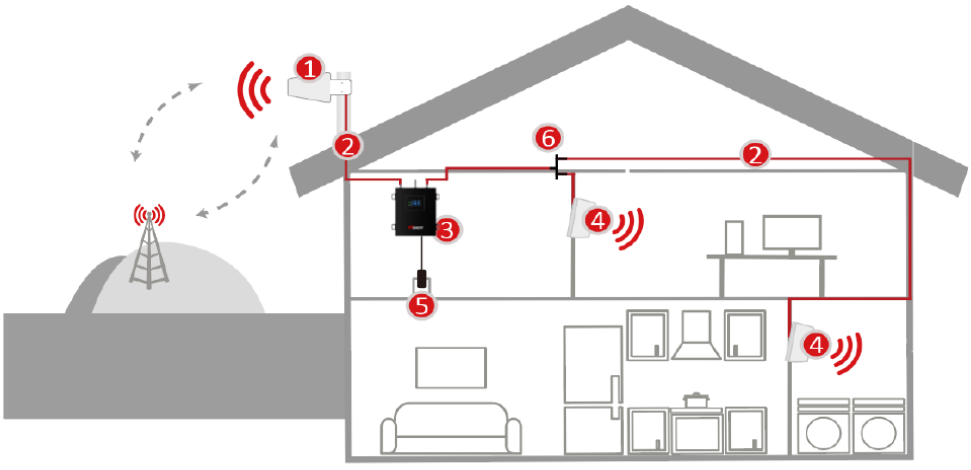
# Installation Examples

a) Optional Panel Pro kit or Omni Pro Kit (1x indoor panel/omni antenna+1 low-loss cable.)




1-Outdoor directional antenna
2-Low-loss cable
3-Booster
4-Indoor panel/omni antenna
5-Power supply

b) 2x Optional Panel Pro kit or Omni Pro Kit (2 indoor panel/omni antenna+ 2 low-loss cable+ 2-way splitter)




1-Outdoor directional antenna
2-Low-loss cable
3-Booster
4-Indoor panel/omni antenna
5-Power supply
6-Two-way splitter

# 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 | | 65dB | 75dB |
| Max. Output power | | 20dBm | 23dBm |
| 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 AC100~264V, 50/60Hz, Output DC12V/7A | |
| Power Consumption | | ≤24W | |
| Input & Output Impedance | | 50 ohm | |
| **Indicator** | | | |
| LCD Display | | Frequency, Gain, Output Power, ALC, ISO, etc. | |
| **Mechanical Parameter** | | | |
| I /O Port Type | | N-Female | |
| Dimension | | 220*280*55 mm | |
| Weight | | 3.6 KG | |
| **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 31 dB 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.