

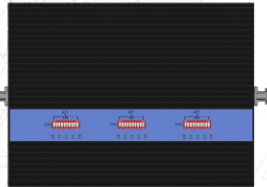
User Manual

Mobile Signal Booster >>

This manual is applicable to the following products



dual band



Tri-band



33F series

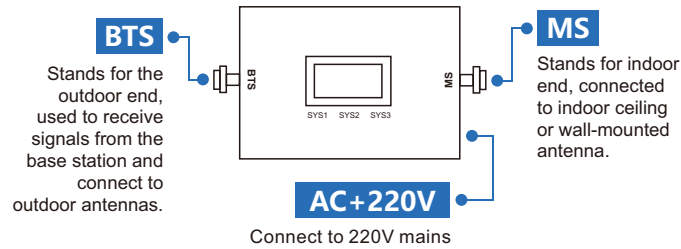


Outdoor Series (single/dual/tri-band)

User Manual

1.1 Connector Instruction

The product has two antenna ports and a power interface.

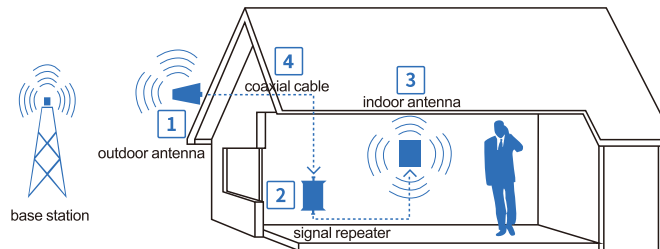


1.2 Antenna Optional

Donor antenna: Logarithmic Period, Yagi, grid, Panel antenna, etc.
Resending antenna: You can choose to optimize the wall-mounted or ceiling antenna according to different working scenarios.

Standard full set

- 1.outdoor antenna
- 2.signal repeater
- 3.indoor antenna
- 4.coaxial cable



Accessories display



Outdoor LPDA antenna

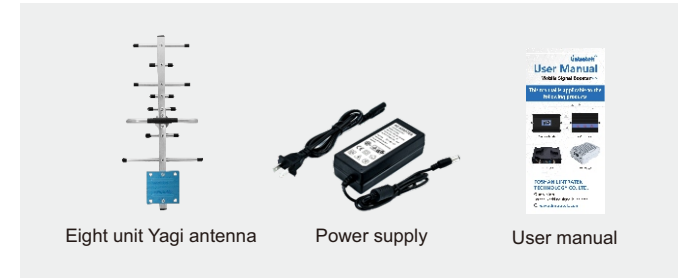


Ceiling antenna



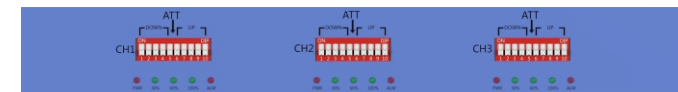
Cable

User Manual



1.3 Attenuation Instructions Digital attenuation

Press the “+” or “-” attenuation



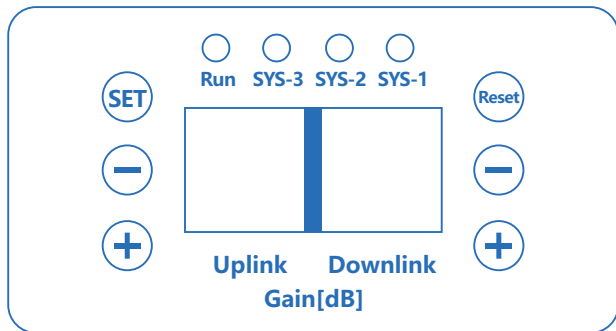
Simulated attenuation

The attenuation of the ATT corresponding to the DIP switch:
 1 → 1dB 2 → 2dB 3 → 4dB 4 → 8dB 5 → 16dB at most 31Db,
 6 → 1dB 7 → 2dB 8 → 4dB 9 → 8dB 10 → 16dB at most 31Db

1.4 Indicator Instruction

RUN: system running status, always on under normal conditions.

SYS1 / SYS2 / SYS3 represents the corresponding network frequency purchased, for example, 800/900/1800 device, SYS1 represents 800MHZ module, SYS2 represents 900 MHZ module, SYS3 represents 1800MHZ module, only SYS1 is lit in single frequency, and SYS1 and SYS2 are lit in dual frequency.



SYS1 SYS2 SYS3 has four indication states during the work process:

1. The green light is flashing, indicating that the signal is weak or no signal, and the effect is not good at this time.
2. The green light is always on, indicating that the device is working in the best state.
3. The red light flashes to indicate that the power of the device is very close to or exceeds the maximum value. At this time, it can be used normally. It is recommended to reduce the gain of the host to just green, Then wait about 5 seconds until the green light no longer blinks to indicate that the setting has taken effect(As small as 85DB just bright green light) .
4. The red light is always on, which means that the device is shut down due to over power. The device starts the protection program. You must re-adjust the installation and then restart the device to work.
5. UPLINK represents the original gain of the uplink gain is 80, DOWNLINK represents the downward gain, the original value of 90.

SET stands for setting, Each time you press the SET key, the screen blinks. At this time, you can adjust the gain of the device by pressing "+" and "-". The left side represents the upward direction and the right side represents the downward direction.

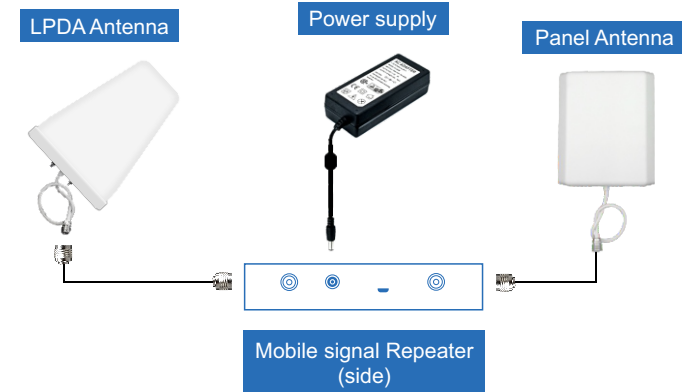
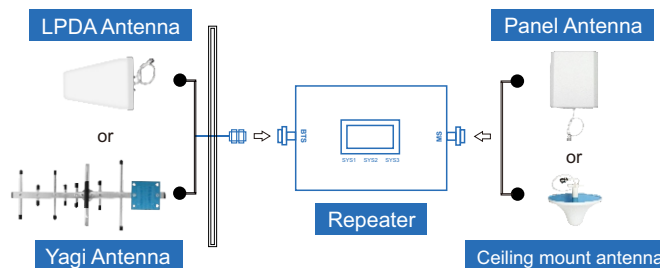
RESET stands for reset key, Press the reset button, the gain adjustment is restored to the original factory settings

2.1 Device Connection

Mobile Signal Repeater installation includes mounting brackets, retransmission antennas, power supplies, etc. Simple on-site installation, design mounting bracket on the back of the product, can be directly mounted on the wall.

Note:

1. During installation, the power must be connected only after the donor antenna and retransmission antenna are not fully installed, otherwise the repeater will be easily damaged.
2. Because the device gain is as high as 90DB, there must be sufficient isolation between the outdoor antenna and the indoor antenna during all installations. It is recommended that the horizontal distance between outdoor indoor antennas is greater than 30 meters and the vertical distance is greater than 15 meters. It is best to have walls or mountains or other large obstacles are separated, you can consult a technician according to the actual situation



Step 1: Install the outdoor antenna (LPDA or Yagi antenna) on the top of building or other good signal places. Please ensure it is towards to base station or cell tower, which can receive very good signal (better than -70dBm).



Step 2: Connect the outdoor antenna to the signal repeater BTS Port by cable. The joint of outdoor antenna and cable should be wrapped well with waterproof tape.



Step 3: Signal repeater MS Port connect to indoor antennas (Ceiling mount antenna or Panel antenna) by cable or directly connect to indoor antenna. If more than one antenna, please connect with the splitter first.



Step 4: After finish installed all kits then check carefully whether all cables connectors tightly. Then, please plug in the power supply. Attention: Indoor antenna and outdoor antenna should be separated by a brick wall. To avoid self-oscillation phenomenon.