



GOBOOST GB3 Mobile Signal Repeater User Manual

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GOBOOST GB3 Mobile Signal Repeater



Product parameters

model

- GB.3.CPA.4

Network

- CDMA LTE-B25 LTE-B66

parameter

Frequency Range	Frequency	Uplink	Downlink
	CDMA	824~849	869~894
	LTE-B25	1850~1915	1930~1995
	LTE-B66	1710~1780	2110~2200
Output Power		15±2 dBm	20±2 dBm
Gain		53±3 dB	65±3 dB

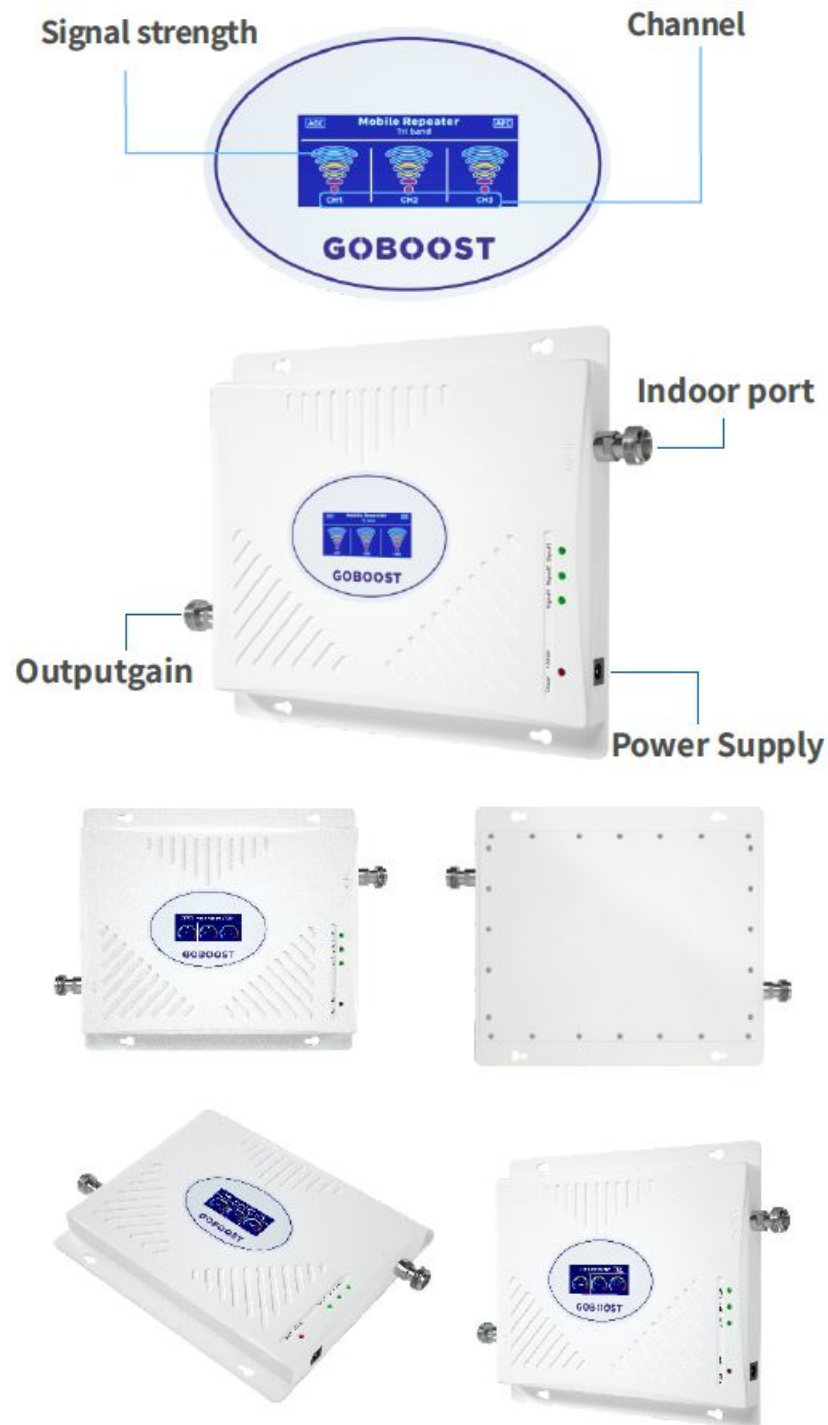
Bandwidth		25M+65M+70M
Ripple in Band		CDMA≤6dB;LTE-B25≤6dB;LTE-B66≤6dB
Spurious Emission	9KHz~1GHz	≤ -36 dBm
	1GHz~12.75GHz	≤ -30 dBm
Intermodulation Products	9KHz~1GHz	≤ -36 dBm
	1GHz~12.75GHz	≤ -30 dBm
VSWR		≤3
MTBF		50000 hours
Power Supply		AC 100~240V, 50/ 60Hz DC 12V 2A
Power Consumption		< 5.5W
Impedance		50 ohm

Mechanical Specification

RF Connector	N-Female
Dimensions (D*W*H)	234*182*22mm
Packing size (D*W*H)	310*210*55mm
Net weight	<0.99KG
Gross weight	<1.26KG
Installation Type	Wall Installation
Environment Conditions	IP40
Humidity	< 90%
Operating Temperature	-10℃ ~ 55℃



Product display



Installation steps

- **Step 1:** Install the outdoor antenna on the roof or other positions where you can receive 4 bars of signal or more.



- **Step 2:** Connect the outdoor antenna to the BTS port via the cable and tighten the connectors at both ends, making the outdoor antenna point to the base station.



- **Step 3:** Connect the indoor antenna to the MS port, and place the indoor antenna at a higher position to increase signal coverage.



- **Step 4:** After connecting and tightening the two antennas, plug in the power supply and check the condition of the signal display light.



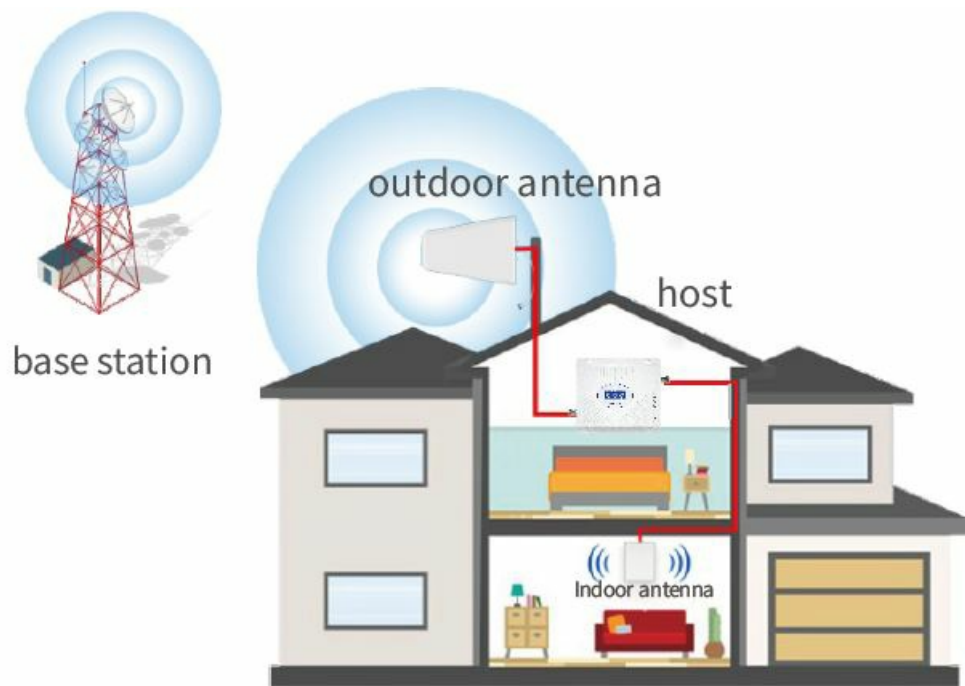
- **Step 5:** Check whether the phone signal has been improved or not. If it is not ideal, you can adjust the height or direction of the outdoor antenna. A good outdoor signal is half of the success.



- **Attention:** There must be a solid wall between the indoor antenna and the outdoor antenna to prevent self-oscillation.



installation drawing




Application Scenario



frequently asked question

FAQ	Solutions
After the installation, the signal improvement is not significant, and the indoor coverage area is small	<ol style="list-style-type: none"> 1. Adjust the position and direction of the outdoor antenna 2. Check if the cable is properly connected 3. Raise the outdoor antenna so that it can receive better signals 4. Replace high-power amplifier 5. Replace a high-gain outdoor antenna
The phone signal is full, but the call quality is poor	<p>The distance between outdoor and indoor antennas is too close, so it is necessary to increase the distance between them, or increase barrier isolation between them</p>
After installation, the signal did not improve, but it was worse	<p>The distance between outdoor and indoor antennas is too close, so it is necessary to increase the distance between them, or increase barrier isolation between them</p>
I have been using it normally before, but suddenly the signal is not good after using it for some time	<ol style="list-style-type: none"> 1. Check if water ingress at outdoor cable joints 2. Check if the power indicator light is normal 3. If there is no water ingress into the cable and the power indicator light is normal, it is possible that the amplifier has malfunctioned and needs to be returned to the factory for repair

Documents / Resources

	<p>GOBOOST GB3 Mobile Signal Repeater [pdf] User Manual GB3, GB3 Mobile Signal Repeater, Mobile Signal Repeater, Signal Repeater, Repeater</p>
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References

- [User Manual](#)