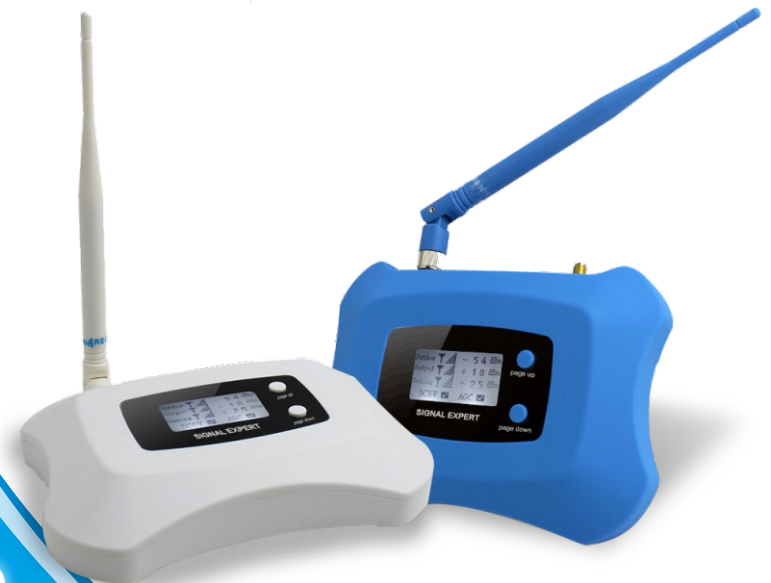


Smart Mobile signal booster Instruction manual



■ **Boosting 2G/3G/4G**

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🔵 Smart signal booster introduction

Our products are used to improve the mobile signal networks, Main use to solve the cellphone communication quality and wireless internet speed. It is intelligent to display the real outside signal strength and display the real output power, Automatic detect the faults and provide the corresponding solution with LCD during the installation, The screen will automatic off when no user make the calling.

🔵 WHERE TO USE?

Our products are wide-ranging to used for Home, apartment, office, basement, parking lot, shopping mall ... and so on.

🔵 Function and Characteristics

- Full smart to display all the parameters of the system. Automatic to detect the faults of the device and provide the corresponding solution.
- Automatic to shut down the power supply of the screen when no operation on it.
- Automatic detect the distance between receive antenna and relay antenna, avoid device autoexcitation
- Automatic to adjust the system gain, The adjustment range up to 55db.
- High speed digital ALC system.
- LCD screen display input/output real signal strength.
- Automatic dormancy when no user make the calling, Once detected the the user make the calling, The device will automatic switch to working status immediately.
- Uplink automatic shut off when device detected self-excitation.
- Uplink noise elimination. Did not interference base station absolutely.
- Small size, light weight, good looking, high gain, low power loss.
- Super intelligent display to guide the installation, Provide the easiest and simplest installation solution.

Product appearance:



Front side



Back side

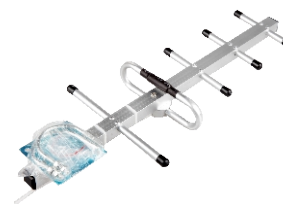


Interface side

Signal repeater device:



Outdoor antenna:



Indoor antenna:



◎ Splitter:



◎ Coaxial cable:



◎ Operation notice

■Before installed and operated the mobile phone signal booster,please read below carefully, and conscientiously observe the following safety matters.

■Mobile phone signal booster is used for retransmission wireless, bidirectional amplify base station uplink and downlink signals, extend mobile communication signal coverage, cover the mobile communication blind area. normal to use the booster, will not damage the base station, but while the mobile phone signal booster extending the base station signal coverage, the uplink output noise level may also affect the sensitivity of the base station,should be considered in engineering design.

■For ensure the equipment working normally, must be connected the cable to BS port and MS port first,and then the equipment powered on,if not ,would make the equipment broken.

■Supply power: adapter power adopts AC 220v ,please confirm the AC power range is ac100v ~ 240v , rated frequency range is50/60hz.

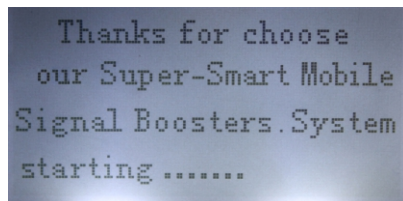
■Prevent electric Shock : not allowed to operate with electric, to prevent electric shock.

■Prevent lightning: the donor antenna located outdoors must have the lightning protection device, antenna bracket must be equipped with a lightning rod

■Before Re-adjust the outdoor antenna and indoor antenna, must disconnect the power supply first.

■Pls keep the identifier and indicator light which on the back of device be clean,Let it can be identified.

Screen display status description



Thanks for choose
our Super-Smart Mobile
Signal Boosters.System
starting

This page will display the product' s introduction, It will keep 10 seconds, during this time,the device would check the internal data.



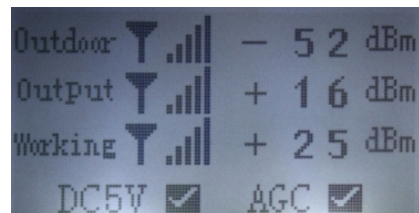
Outdoor — — — dBm
Output — — — dBm
Sleep — — — dBm
DC5V ☒ AGC ☒ ↓

When the device completes the internal self-test, It will display the standby screen, If the arrowhead ↓ is twinkled on the screen, Means device detected problems. probably the trouble as below:

1, No signal input, maybe outside no signal, or the outdoor antenna did not

connect normally. or the outdoor antenna connect to wrong interface of the device(Correct should be outdoor antenna connect to BS ,and indoor antenna connect to MS).So please press the button PAGE UP and PAGE DOWN to view the problems which device automatic point out. Then according the cue and corresponding solution to solve the problems. And restart the device.

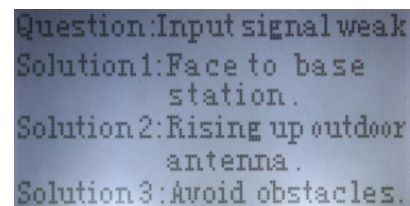
If problems eliminated, The screen will display as below:



Outdoor — 52 dBm
Output + 16 dBm
Working + 25 dBm
DC5V ☒ AGC ☒

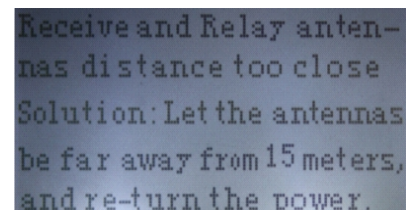
And the arrowhead ↓ will disappear, The repeater work normally.

Question showing screen:



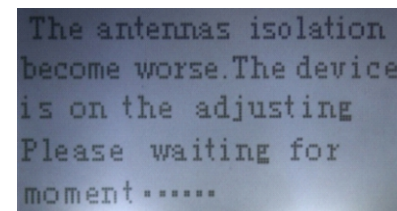
Question:Input signal weak
Solution1:Face to base station.
Solution2:Rising up outdoor antenna.
Solution3:Avoid obstacles.

When the arrowhead ↓ twinkled on the standby screen, Press the page button will display the question and the corresponding solution as the picture above. According to the solution to solve the problems.



Receive and Relay antennas distance too close
Solution: Let the antennas be far away from 15 meters, and re-turn the power.

When screen shows this questions above ,pls let the outdoor antenna and indoor antenna be far away from at least 15 meters.



The antennas isolation become worse.The device is on the adjusting
Please waiting for moment.....

When the screen shows this questions above, means because of the isolation not enough to suport the device working normally, So the AGC function running shortly, and automatic the adjust the gain of system to make device work normally. and let it did not interfere to base station.

Question:
Device was damaged
The uplink of the device was damaged, Please connect to customer server for repair.

When the screen shows the questions above, means the uplink of the device was damaged, Pls contact customer service for repair

Outdoor - 53 dBm
Output + 16 dBm
Sleep - - - dBm
DC5V ☒ AGC ☒

This screen means no user make the calling within The device coverage, The device automatic switch to Sleep status. to save the power and extend the device' s life.

Outdoor - 52 dBm
Output + 16 dBm
Working + 25 dBm
DC5V ☒ AGC ☒

When has the user make the calling ,The device is activated shortly, And getting into the working status as below picture.

Question:
Device was damaged
The downlink of the device was damaged, Pl-
easeconnect to customer
server for repair.

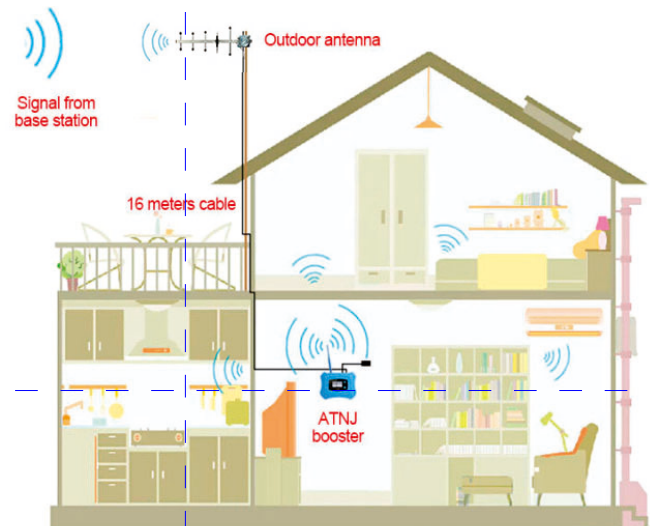
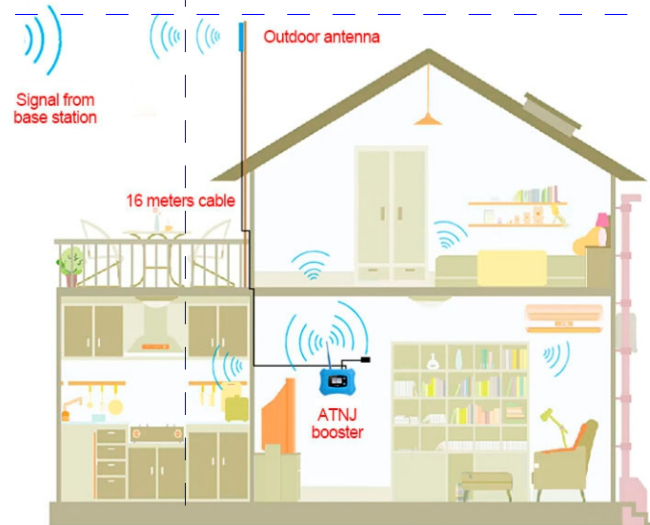
When the screen shows the questions above, means the downlink of the device was damaged, Pls contact customer service for repair

Installation step:

- Outdoor antenna connect to BS (outdoor) interface.
- Indoor antenna connect to MS(indoor) interface.
- Outdoor antenna fix on the stick or PVC pipe ,And let it far away from indoor antenna 15 meters in vertical distance.
- Outdoor antenna must be isolated indoor antenna with the wall.
- Power on the device after all the connections.
- Make sure the device work in the correct mobile networks which your cellphone work on currently.
- Make sure the outside singal strength minimum -60dBm(for example:-60dbm is better than -70dbm)



Application scene



Test Signal Strength:

Iphone mobile phone: Please dial *3001#12345#*, And find the signal strength show in the top left corner of the phone.

Android mobile phone: Please dial *##4636##*, To check the signal strength.

⦿ The matters needing attention:

Between the two antennas must have a wall, keep them far away to each other. Forbidden the outdoor antenna and indoor antenna within a short distance, otherwise it will not work properly.
Device connector and antenna connection to be tightened to avoid the coverage effect is not good.
The original machine is equipped with adapter AC 100V ~ 240V, please note that the power supply input voltage range.
This product is designed for indoor use, temperature range of -5~45 DEG C. and avoid wet, rain

⦿ Troubleshooting

Description of the problem	Causeanalysis	The solution
The indicator of device is not light	Mobile phone signal amplifier is not power on	Poweron the device
The indicating lamp is normal, but the signal strength is not boosted	The retransmission antenna damage	Replace The retransmission antenna
	Theretransmission antenna is not connectwell to the MS port of the equipment.	Fix the connections

⦿ The Accessories list

Item	Specifications	quantity	unit
booster	Single band or dual band Mobile signal booster	1	piece
Power adapter	AC100-240Vinput ,DC 5Voutput1piece	1	piece
Outdoor antenna	Flat or Yagi or log-periodic antenna	1	piece
Indoor antenna	Penholder or ceiling antenna	1	piece
User manual	Color brochure	1	piece
Fixed installation accessories	VELCRO	2	piece