

User manual L2S

Mobile Phone Signal Repeater	
<p>A mobile phone signal repeater provides the ultimate solution in any area where cellular communications can not work well due to leak of signals. The repeater device features easy installation & operation, build-in indoor antenna and no interference. It could also improve indoor electromagnetism environments, protract cellular battery life and reduce radiation of cellphones. A mobile phone repeater is ideal for house, home, office use.</p>	
Introduction To Mobile Phone Signal Repeater	
	1. Enhance Mobile Phone Signal Strength
	2. Improve Communication Quality
	3. Reduce Cellphone Radiation
	4. Protract Cellular Battery Life
	5. Economic Building Cost
	6. Easy Operation
	7. Easy Installation
	8. Build-in Power Supply
<p>The device featured by easy installation & operation and no interference. It is the ideal device for boost mobile phone signal. A mobile phone repeater could also improve indoor electromagnetism environments, protract cellular battery life and reduce radiation of cellphones.</p>	
2. Features	
<p>High gain, easy installation and operation.</p>	
<p>Full-duplex, single-port design, build-in power supply.</p>	
<p>Use ALC technology, adjust extent automatically</p>	
<p>LED Light Working & Signal Condition Indicators</p>	
<p>Big linear power, control intermodulation & scattering stably</p>	
<p>Dependability stand by GB6993-86 standard</p>	
<p>Compatibility of electromagnetism according with ETS300 609-4</p>	
<p>CE and RoHS Approved</p>	

Technique Specifications		
Item	Specification	
	Up Link	Down Link
Frequency	824~849MHz 1850-1910MHz	869~894MHz 1930-1990MHz
Gain	≤48dB	≤48dB
Maximum Output Power/EIRP	850 MHz: 17dBm/24.94dBm 1900 MHz: 16dBm/23.26dBm	850 MHz: -6dBm/2.63dBm 1900 MHz: -6dBm/2.01dBm
Impedance	50Ω	
Automatic Level Control	≥ 31dB, auto shut off after 31dB	
Inter-modulation	≤-19dBm	
Spurious Emission	≤-13dBm	
Seclusion	> 70dB	
Power Supply	AC 110/220V(used AC/DC Adapter5Vdc)	
Compact Design	Indoor Use	
Item Dimension	190 x 150 x21 mm	

Installation Sketch Map



Installation Approaches

1. Fix up outdoor antenna reception on housetop and point to signal tower.
2. Connect outdoor antenna to "outdoor" port in repeater machine through cable.
3. Connect indoor antenna(s) to "indoor" port in repeater machine through cable also.
4. Plug power adaptor into AC power socket and finish installation.

Technique Supporting

1. If still no signal receipt after activated repeater, please check if outdoor antenna point to signal tower or elsewhere have strong signal and check if strength achieve -70DBM.
2. If can not call out, please adjust the direction of outdoor antenna.
3. If strength is not steady, please check if outdoor & indoor antennas are too close. Please ensure the outdoor and indoor antennas have distance of 20 meters at least, with a wall between and not in a same horizontal line.

Safety Guidelines



Warnings

To uphold compliance with network protection standards, all active cellular devices must maintain at least 6 feet of separation distance from Panel and Dome antennas.

Use only the power supply provided in this package. Use of a non- Longsheng product may damage your equipment.

For specifications of any of the Longsheng FCC approved part numbers listed below;

Coupling holders

Antennas
Model: SGR-TX-200067 series
Model: XM-TDJ-800 series
Model: HXBGDV5W070809D0T0M series
Extension Cables
ACX100 (30feet)
ACX300 (20feet)

FCC requirements prohibit the use of unauthorized Antennas, Cables and/or Coupling devices;

The Signal Booster unit is designed for use in an indoor, temperature-controlled environment (less than 100 degrees Fahrenheit). It is not intended for use in attics or similar locations subject to temperatures in excess of that range.

This device complies with Part 15 of FCC rules. Operation is subject to two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by we Boost could void the authority to operate this equipment.

FCC RF Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instruction for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. Any antenna used with this device must be located at least 8 inches from all persons.

Contact Information for Booster Registration

Some providers have set up web-site for booster registration. If you don't see your provider on this list, please contact your provider for information on how to register your booster;

Sprint Nextel will allow consumers to register their signal boosters by calling their toll-free number. They have already trained their calling center and have designated an engineer to handle inquiries. They may eventually allow consumers to register on their website but they want to gauge how the process works via phone first.

T-Mobile online registration link: (www.T-Mobile.com/BoosterRegistration); (<https://saqt.t-mobile.com/sites/SignalBooster#>).

Verizon's online registration link:
(<http://www.verizonwireless.com/wcms/consumer/register-signal-booster.html>).

AT&T will allow online registration and will inform OET Lab with the weblink when it is ready.

U.S.Cellular
(<http://www.uscellular.com/uscellular/support/fcc-booster-registration.jsp>).

Operation Description

To comply with FCC NPS (Network Protection Standard) requirements: NPS and other compliance/safeguard feature for AGC and anti-oscillation have been implemented. NPS and other compliance/safeguard features are defaulted to be "ON" (in operation). NPS and other compliance/ safeguard features cannot be filed reconfigured, disabled or removed.

This booster is not user programmable, does not need fine tuning or adjustment and does not require professional installation.

This is a CONSUMER device.

BEFORE USE, you **MUST REGISTER THIS DEVICE** with your wireless provider and have your provider's consent. Most wireless providers consent to the use of signal boosters. Some providers may not consent to the use of this device on their network. If you are unsure, contact your provider.

You **MUST** operate this device with approved antennas and cables as specified by the manufacturer. Antennas **MUST** be installed at least 20 cm (8 inches) from any person.

You **MUST** cease operating this device immediately if requested by the FCC or a licensed wireless service provider.

WARNING. E911 location information may not be provided or may be inaccurate for calls served by using this device. This device may be operated

ONLY in a fixed location for in-building use.