



Vehicle
Wireless Boost
of Multiple Phones

Boosting Your

Multiple Users



Smoothtalker®

Cell Signal

Anywhere

MOBILE Z1 50

50dB Mobile Cellular Signal Booster

Mobile Z1 boosts signal to all cell phones and cellular devices within the booster's range simultaneously. This is a wireless booster that does not require a physical connection to the cell phone or cellular data device. The Smoothtalker Mobile Z1 booster is the most technology advanced wireless cellular signal booster made. It features proprietary "stealth tech technology" that prevents shutdowns from poor antenna placement and changing environments. This booster has 50dB gain and provides coverage throughout your car, truck, RV or boat.

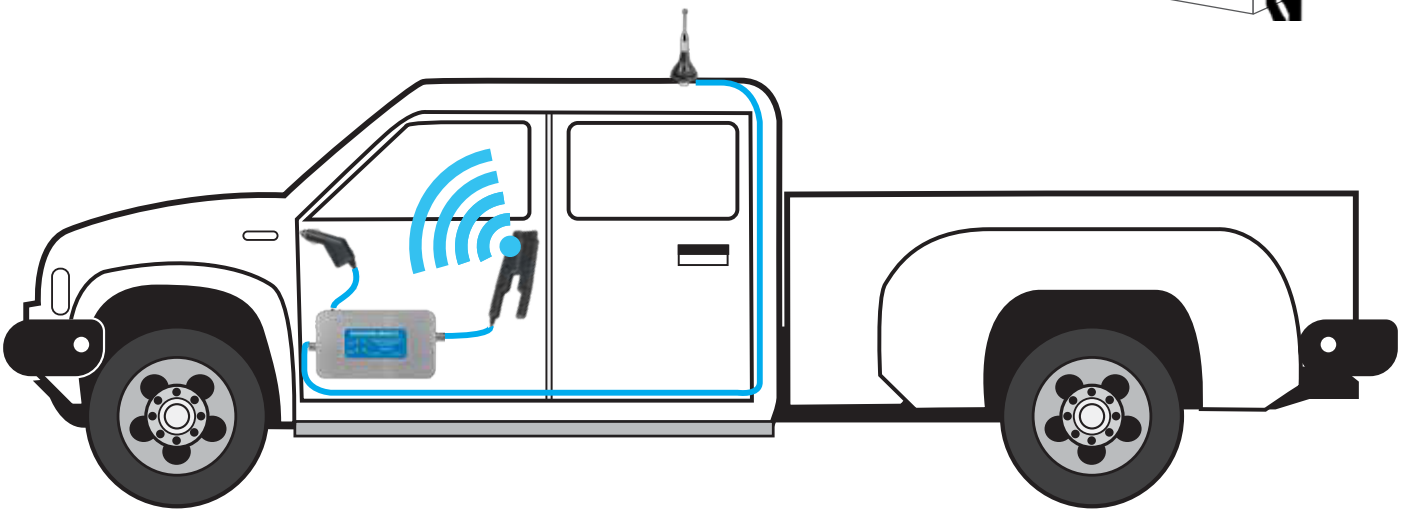
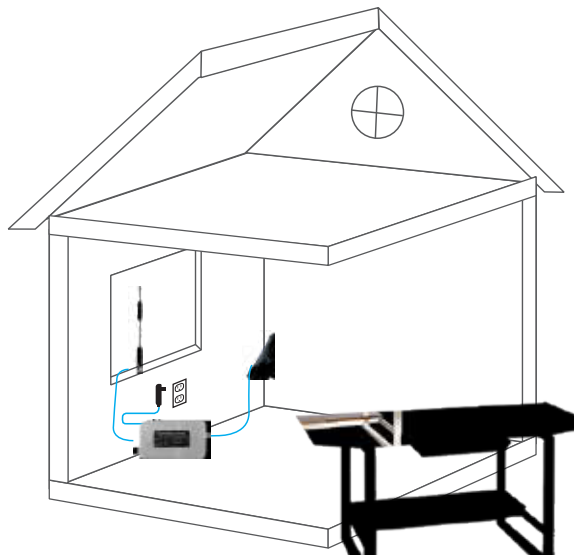
HOW IT WORKS:

The outside antenna receives cellular signal from the tower and sends it to the booster to be amplified and broadcast into the vehicle through the inside antenna. The inside antenna receives cellular signal from the phone or cellular device and sends it to the booster to be amplified and broadcast to the network through the outside antenna.



WHERE CAN THIS BE USED:

The Mobile Z1 50 can be used in vehicles and also in buildings. Building use will require the purchase of an optional 120Volt AC/DC power supply.



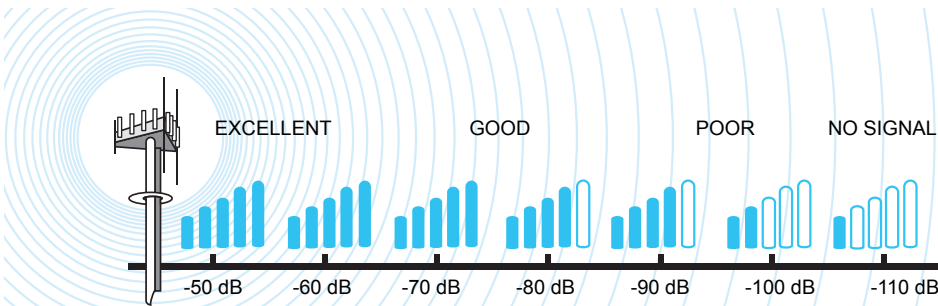
HOW LARGE AN AREA WILL IT COVER:

Coverage area is effected by two things. Outside signal and booster gain. Generally the booster will cover the whole space in a car or pick up truck. In the case where it is used in a boat or RV the range will be limited by the outside signal level. The Mobile Z1 can keep you connected up to 10mi. (15km) from the nearest tower.

Mobile X1 -Outside signal level and coverage expected:

5 bars outside	distance form inside antenna	60 ft.
4 bars outside	distance form inside antenna	40 ft.
3 bars outside	distance form inside antenna	20 ft.
2 bars outside	distance form inside antenna	10 ft.
1 bar outside	distance form inside antenna	5 ft.
0 bars	may or may not work	

ASSESSING YOUR OUTSIDE CELLULAR SIGNAL LEVEL



USE SIGNAL BAR INDICATOR

Use the signal bar indicator on your cellular device to approximate signal strength as per the chart above. Note: Even if your device shows no bars or “no service” it is possible that there is enough cellular signal for a booster to achieve communication with the network.

TIPS ON SET UP

- Mount outside antenna in the center of the vehicle roof except in cases where a sunroof is present. In this case mount the antenna towards the back of the vehicle in the center of the metal roof.
- Inside and outside antennas require distance (separation) to avoid oscillation (feedback) and gain reduction. Mount the inside antenna in the console or close to the floor away from the windows and windshield.
- Flashing green LED lights indicate gain reduction. If the green lights on the booster are flashing, please refer to the [user manual](#) for instructions.

STEALTHTECH TECHNOLOGY:

STEALTHTECH® amplifiers and boosters automatically control gain to eliminate oscillations (feedback loops) and strong signal overload from nearby towers. This will keep your booster working without unexpected shutdowns and at maximum efficiency.

SPECIFICATIONS

SMOOTHALKER MOBILE Z1		DUAL-BAND 800/1900 MHz
FREQUENCIES	824-894/1850-1990 MHz	
TX Power Max	1 watt EIRP	
GAIN	50dB	
NOISE FIGURE	<4 dB	
FLATNESS	+/- 2 dB	
POWER SUPPLY	12V DC CLA or 12V DC fused or 120V AC/DC	
Operating Temp	-30C to +85C	
DIMENSIONS	L 4.72" x W 4.25" x H 1.25" (inch) L 12 x W 10.8 x H 3.2 (cm)	
WEIGHT	1.5 lbs / 0.660 kg	

