



**Vehicle
Wireless Boost
of Multiple Phones**

Boosting Your

Multiple Users



Smoothtalker®
Cell Signal
Anywhere

MOBILE Z1 50

50dB Mobile Cellular Signal Booster

Mobile Z1 50 boosts signal to all cell phones and cellular devices within the booster's range simultaneously. No physical connection to the cell phone or cellular data device is required. The Smoothtalker Mobile Z1 50 booster is the most technologically advanced wireless cellular signal booster made. It boosts signal to all cell phones and cellular devices within the booster's range simultaneously and features proprietary "Stealthtech technology" which is self-adjusting to control feedback loop (oscillation) and prevent shutdowns or overload from poor antenna placement and changing environment. The Z1 50 is network friendly and with 50dB of gain it provides ample coverage area for cars and pickup trucks.

This booster can be moved easily from vehicle to desktop.

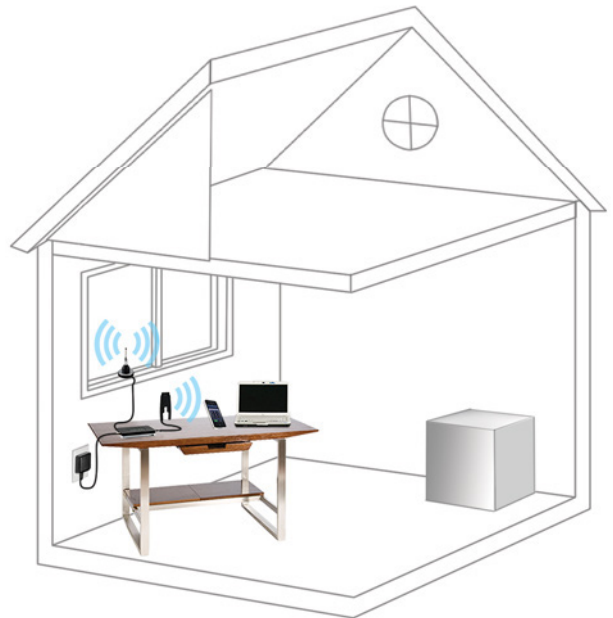
HOW IT WORKS:

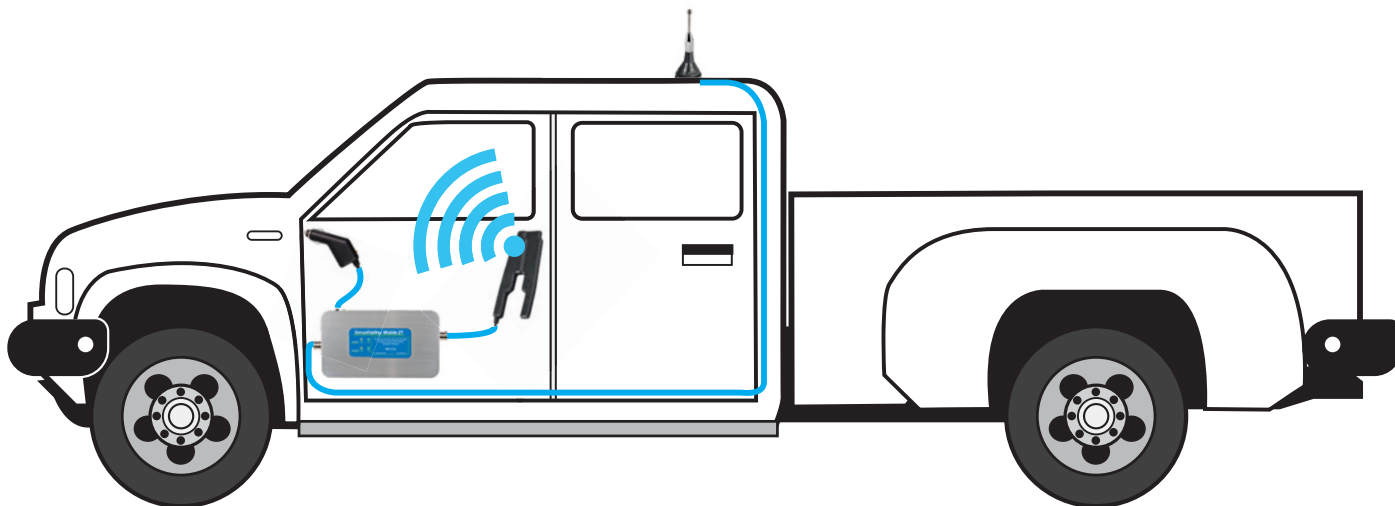
The Booster captures the signal outside the vehicle and boosts it to the phone. It takes the weak signal from the phone and boosts it back to the tower. Boosts both voice and data simultaneously.



WHERE CAN THIS BOOSTER BE USED:

The Mobile Z1 50 is used primarily in vehicles but can also be used in a fixed location such as in a Motorhome or on a desktop. (Fixed location use requires additional optional parts which are not included in the kits)





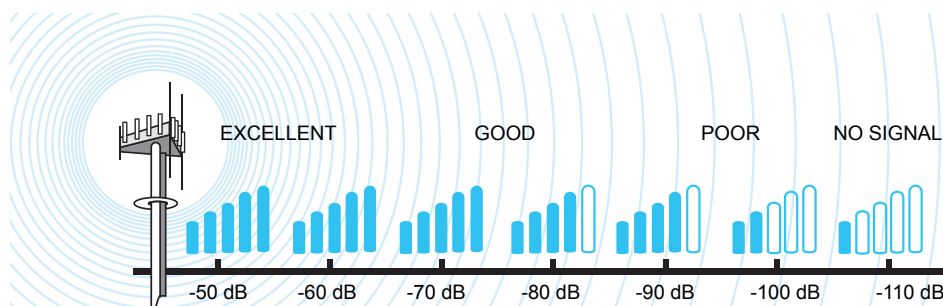
HOW LARGE AN AREA WILL IT COVER:

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.

Mobile Z1 50 -Outside signal level and coverage expected:

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

ASSESSING YOUR OUTSIDE CELLULAR SIGNAL LEVEL



HOW FAR AWAY FROM THE TOWER CAN I EXPECT TO GET WITH BOOSTER:

Mobile Z1 50 is the most powerful mobile wireless booster on the market and can keep you connected as far as 40 miles from the nearest tower.

(Note: this chart shows signal bars and distance with the booster connected)

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 feedback loop (oscillation) 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(proprietary Smoothtalker technology):

Mobile Z1 50 amplifiers and boosters use STEALTH TECH® to automatically control gain to eliminate feedback loop (oscillation) and strong signal overload from nearby towers. This will keep your booster working without unexpected shutdowns and at maximum efficiency.

SPECIFICATIONS

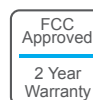
| SMOOTH TALKER MOBILE Z150 | | DUAL-BAND 800/1900 MHz | |
|------------------------------|--|--------------------------------|--|
| FREQUENCIES | 824-894/1850-1990 MHz | | |
| TX Power Max | 24 dBm | | |
| GAIN | 50dB | | |
| NOISE FIGURE | <4 dB | | |
| FLATNESS | +/- 2 dB | | |
| POWER SUPPLY | 12V DC CLA or 12V DC fused or 120V AC/DC | | |
| Operating Temp | -30C to +85C | | |
| DIMENSIONS | L 6.25" x W 3.25" x H 1.0" (inch) | L 16 cm x W 8.2 cm x H 25.4 cm | |
| WEIGHT | 0.90 lbs / 0.39 kg | | |



Cellular Signal Boosters - Boosting Your Signal Anywhere

Who is **Smoothtalker** ?

In 2001 we designed the first digital mobile Cellular Signal Booster in North America.
We continue to lead with the most powerful and intelligent cellular boosters in the world.



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