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Phonetone N50-PO

Phonetone Cell Phone Signal Booster User Manual

Model: N50-PO

1. PRODUCT OVERVIEW

The Phonetone Cell Phone Signal Booster is designed to enhance 4G LTE, 5G, and 3G cellular signals for all major U.S. and Canadian networks, including Verizon, AT&T, and T-Mobile. This device amplifies existing signals to improve call quality and data speeds within your home, RV, or metal building, covering up to 4,000 sq ft with a maximum signal gain of 70dB.



Image 1: Phonetone Cell Phone Signal Booster Kit, showing the booster unit, outdoor antenna, indoor antenna, and cables.

2. WHAT'S IN THE BOX

Upon opening the package, verify that all components are present:

- 1 x Cell Phone Booster (Main Unit)
- 1 x Outside Antenna (Omni-directional)
- 1 x Inside Antenna (Panel Antenna)
- 1 x Window Entry Cable
- 3 x Low Loss Cables
- 1 x Power Supply

Package List

Includes Accessories for Installation



Image 2: All components included in the Phonetone Cell Phone Signal Booster package.

3. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. Follow these steps carefully:

3.1. Mount Outside Antenna

Mount the outdoor antenna at the highest possible point on your building (e.g., roof, pole) in an upright position. The omnidirectional antenna receives and sends signals in a 360-degree radius, eliminating the need for precise aiming.



Image 3: Outdoor antenna mounted on a pole, showing its upright position.

3.2. Route the Window Entry Cable

Connect the outdoor antenna cable to one end of the window entry cable. Route the window entry cable through a window frame. This flat cable allows you to close the window without drilling holes. Connect the other end of the window entry cable to the booster unit's outdoor port.

3.3. Mount Inside Antenna

Mount the inside antenna on an interior wall where you need improved signal coverage. Ensure there is a vertical separation of at least 25 to 30 feet between the outdoor and indoor antennas to prevent signal oscillation (feedback).



Image 4: Indoor panel antenna mounted on a wall, ready for cable connection.

3.4. Mount Signal Booster

Mount the booster unit on a wall in a well-ventilated area, away from excessive heat, direct sunlight, and moisture. Connect the indoor antenna cable to the booster's indoor port and the outdoor antenna cable (via the window entry cable) to the booster's outdoor port. Finally, plug in the power cable.

Simple Installation



Image 5: Overview of the signal booster system components and their general placement.

Video 1: Detailed installation guide for the Phonetone Cell Phone Booster, including mounting the outdoor antenna, routing the window cable, and connecting the booster unit.

4. OPERATING INSTRUCTIONS

Once all components are connected and the power cable is plugged in, the booster will automatically begin operation. The LED indicators on the booster unit will illuminate green, indicating that the booster is working correctly and amplifying signals across the supported bands (LTE, CELL, PCS, AWS).

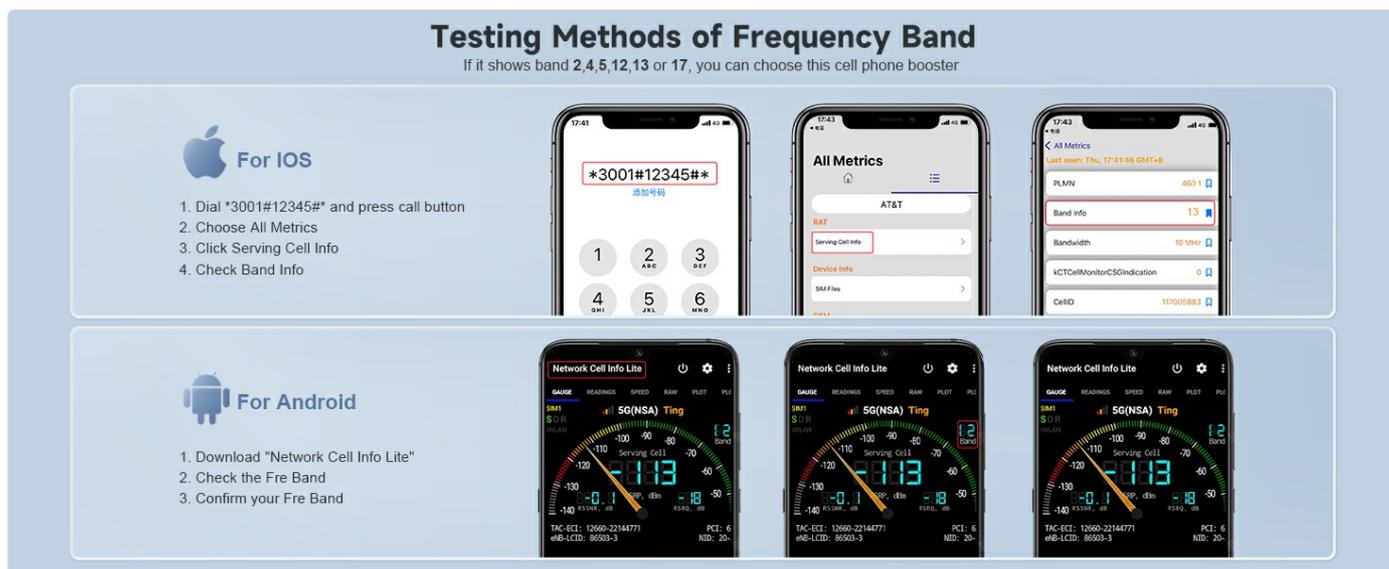


Image 6: The booster unit showing illuminated green LED indicators, confirming active signal amplification.

The booster features Automatic Gain Control (AGC) to optimize signal levels and prevent overload. For optimal performance, ensure your outdoor antenna receives at least a 2-bar signal. The stronger the outdoor signal, the greater the indoor coverage area.

Estimated Coverage Area Based on Outdoor Signal Strength

Outdoor Signal Strength	Coverage Area
5 bars	Up to 4,000 sq ft
3-4 bars	Up to 2,500 sq ft
1-2 bars	Up to 1,000 sq ft
0 bar	Does not work

Table 1: Guide to expected indoor coverage based on the strength of the outdoor cellular signal.

5. MAINTENANCE

The Phonetone Cell Phone Signal Booster requires minimal maintenance. To ensure longevity and optimal performance:

- Keep the booster unit clean and free from dust.
- Ensure the booster unit is placed in a well-ventilated area to prevent overheating.
- Regularly check all cable connections to ensure they are secure and free from damage.
- Inspect the outdoor antenna and its connections periodically for any signs of weather damage or corrosion. The included weatherproofing tape should be used on outdoor connections.

6. TROUBLESHOOTING

If you experience issues with your signal booster, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Signal Boost / Weak Signal	Insufficient outdoor signal; Antennas too close; Loose connections; Incorrect band selection.	Ensure outdoor antenna receives at least 2 bars. Increase vertical separation between antennas (25-30 ft recommended). Check all cable connections. Verify booster supports your carrier's frequency bands.
Red LED Indicator / Oscillation	Feedback between indoor and outdoor antennas.	Increase separation distance between indoor and outdoor antennas. Ensure antennas are not facing each other. Adjust the angle of the outdoor antenna slightly.
Booster Not Powering On	Power supply issue; Loose power connection.	Check if the power adapter is securely plugged into the booster and the power outlet. Try a different power outlet.
Intermittent Signal Boost	Fluctuating outdoor signal; Loose cable connections.	Ensure outdoor antenna is stable and not affected by wind. Re-secure all cable connections.

Table 2: Common troubleshooting steps for the signal booster.

For further assistance, please contact Phonetone technical support.

7. SPECIFICATIONS

- **Product Dimensions:** 7.2 x 14.7 x 10.1 inches
- **Item Weight:** 4.95 pounds
- **Model Number:** N50-PO
- **Brand:** Phonetone
- **Wireless Communication Standard:** 802.11a/g/n
- **Frequency Band Class:** Quad-Band (Supports Band 2, 4, 5, 12, 13, 17)
- **Special Features:** Automatic Gain Control, LED Indicator
- **Connector Type:** N-Female
- **FCC Approved:** Yes

8. WARRANTY AND SUPPORT

Phonetone stands behind the quality of its products. The Cell Phone Signal Booster (Model N50-PO) comes with:

- A 30-day money-back guarantee.
- 3-month free replacement for defects.
- Up to a 3-year manufacturer warranty.

For professional technical support or warranty claims, please contact Phonetone customer service through their official website or the retailer where the product was purchased. You can also refer to the official [Installation Manual \(PDF\)](#) for additional details.

