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› Cell Phone Signal Booster for Verizon and AT&T | Up to 4,500 Sq Ft | Boost 4G LTE 5G Signal on Band 12/13/17 | 65dB Dual Band Cellular Repeater with High Gain Antennas | FCC Approved Black

Phonetone AN-L65AV

Phonetone Cell Phone Signal Booster User Manual

Model: AN-L65AV | Brand: Phonetone

1. PRODUCT OVERVIEW

The Phonetone Cell Phone Signal Booster is designed to enhance 4G LTE and 5G cellular signals for all devices operating on Band 12, Band 13, and Band 17. It provides improved data speeds and voice quality, supporting multiple users simultaneously. This booster is ideal for homes, offices, cottages, cabins, campers, and basements, expanding indoor coverage up to 4,500 sq ft.

Note on 5G: The booster supports 5G bands largely deployed in current Bands 12, 17, and 13 through Dynamic Spectrum Sharing by carriers. Ensure your 5G phone and carrier support 5G in these 4G bands before purchase.



Figure 1: Complete Phonetone Cell Phone Signal Booster Kit.

2. WHAT'S IN THE BOX

- 1 x Booster Main Unit
- 1 x Indoor Antenna
- 1 x Outdoor Antenna
- 3 x Low Loss Cables
- 1 x Window Entry Cable
- 1 x Power Supply
- 1 x User Manual (this document)

Package List

Includes Accessories for Installation



Figure 2: Package Contents.

3. SETUP AND INSTALLATION

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

3.1 Outdoor Antenna Installation

The outdoor antenna (Yagi antenna) should be mounted in a location with the strongest existing signal, typically on a rooftop

or pole. It must be pointed horizontally towards the nearest cell tower.

Ideal Solution for Weak Signal



Fewer Dropped Calls



Better Voice Quality



Faster Data Speed

Figure 3: Overview of a typical installation setup.

Use a signal strength app on your phone to identify the best direction and location for the outdoor antenna. Securely attach the mounting bracket to the antenna and then to your chosen pole or mast. Ensure all connections are tight and weatherproofed.

Your browser does not support the video tag.

Video 1: Phonetone Signal Booster Installation Guide. This video demonstrates the assembly and mounting of the outdoor antenna.

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Video 2: Phonetone Booster Installation Guide with Flat Window Cable. This video shows how to use the flat window entry cable for routing the outdoor antenna cable without drilling.

For optimal performance, ensure the outdoor antenna is pointed directly at the nearest cell tower. You can use a signal advisor app to help locate the tower's direction.

Simple Installation



Figure 4: Signal Advisor App helps locate the signal tower's direction.

3.2 Indoor Antenna Installation

The indoor antenna should be placed in the area where you need signal improvement. It is recommended to mount it on a wall or ceiling, facing the direction where the signal is needed most.

App Helps Locate the Signal Tower's Direction

Signal Advisor APP



Figure 5: Indoor antenna mounted on a wall.

3.3 Signal Booster Unit Installation

The booster unit should be mounted in a well-ventilated area, away from excessive heat, direct sunlight, and moisture. Connect the outdoor antenna cable to the "OUTDOOR" port and the indoor antenna cable to the "INDOOR" port on the booster unit. Finally, connect the power supply.

FCC Approved

No need to register with ATT Verizon T-Mobile again


Product Name: Cell Phone Signal Booster
Model:AN-L65AV-01 HVIN: AN-L65AV-01
FCC ID:2ALZEL65AV-01 IC: 23915-L65AV01

S/N:2011901020002 Made in China



Figure 6: Phonetone Signal Booster Unit with LED indicators.

Ensure a minimum vertical separation of 25 to 30 feet between the outdoor and indoor antennas to prevent signal feedback (oscillation). The outdoor antenna should also be positioned so it does not receive signal directly from the indoor antenna.

4. OPERATING INSTRUCTIONS

Once properly installed and powered on, the booster will automatically begin to enhance your cellular signal. The LED

indicators on the booster unit will show its working condition.

- **Automatic Gain Control (AGC):** The booster features AGC, which intelligently detects existing signal strength and adjusts itself for optimal performance.
- **Signal Enhancement:** Enjoy faster 4G LTE data speeds and improved VoLTE for smoother streaming, uploads, and downloads.
- **Multi-User Support:** The system supports multiple cellular devices simultaneously.

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Video 3: Phonetone 4G Home Booster Introduction. This video provides an overview of the booster's features and benefits.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Phonetone signal booster, consider the following maintenance tips:

- **Keep Connections Secure:** Periodically check all cable connections (outdoor antenna, indoor antenna, booster unit) to ensure they are tight and free from corrosion.
- **Protect from Elements:** Ensure the outdoor antenna's connections are properly waterproofed. Keep the booster unit in a dry, well-ventilated area.
- **Clean Components:** Gently clean the booster unit and antennas with a soft, dry cloth to remove dust or debris. Do not use harsh chemicals or abrasive materials.
- **Avoid Obstructions:** Ensure no new obstructions (e.g., tree growth, new buildings) are blocking the line of sight between your outdoor antenna and the cell tower.



Figure 7: Details on cable management and connector protection.

6. TROUBLESHOOTING

If you experience issues with your signal booster, try the following common troubleshooting steps:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No Signal Improvement	Incorrect antenna direction; insufficient antenna separation; loose connections.	Re-point outdoor antenna towards cell tower; increase vertical separation between antennas (min. 25-30 ft); check all cable connections.
Red Light on Booster	Signal oscillation (feedback) between antennas.	Increase separation between indoor and outdoor antennas. Ensure outdoor antenna is not facing the indoor antenna.
Weak Signal Improvement	Outdoor signal too weak; antenna not optimally positioned.	Adjust outdoor antenna direction for stronger signal reception; consider a higher mounting point for the outdoor antenna.
No Power to Booster	Power adapter unplugged or faulty.	Ensure power adapter is securely plugged into the booster and a working power outlet.

For further assistance, refer to the technical support information in the Warranty and Support section.

7. SPECIFICATIONS

- **Model Number:** AN-L65AV
- **Product Dimensions:** 11.81 x 5.91 x 3.94 inches
- **Item Weight:** 4.29 pounds
- **Frequency:** 700 MHz (Bands 12, 13, 17)
- **Frequency Band Class:** Dual-Band
- **Gain:** 65dB
- **Special Features:** AGC (Automatic Gain Control), High Gain Directional Antenna, Self-oscillation Elimination, Inactivity Mode
- **Wireless Communication Standard:** Radio Frequency
- **Connector Type:** N-female
- **Manufacturer:** Phonetone Ltd.
- **FCC Certified:** Yes

8. WARRANTY AND SUPPORT

Phonetone provides comprehensive support for your signal booster:

- **30-day Money-back Guarantee:** If you are not satisfied with the product.
- **3-month Free Replacement:** For any manufacturing defects.
- **5-year Manufacturer Warranty:** Covers defects in materials and workmanship.
- **Lifetime Professional Technical Support:** Available to assist with any installation or troubleshooting queries.

For technical assistance, please contact Phonetone customer support through the official website or your purchase platform.

