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ANNTLENT AN-L70V-01

ANNTLENT Cell Phone Signal Booster

MODEL: AN-L70V-01 USER MANUAL

1. Introduction

The ANNTLENT AN-L70V-01 Cell Phone Signal Booster is designed to amplify weak cellular signals, providing stronger and more reliable 5G and LTE reception within your home or office. This FCC-approved device specifically supports Band 13, making it ideal for Verizon users. It features automatic gain control (AGC) technology to ensure stable performance and prevent interference with cell towers. The system includes an outdoor antenna, an indoor antenna, the booster unit, and all necessary cables and accessories for a straightforward installation.

Designed for Verizon

Boost Signals for All Cellular Devices & Users on Band 13.



NOTE: Please CHECK YOUR BAND and ensure that the frequency of your phone is band 13.

The ANNTLENT AN-L70V-01 booster is designed to enhance cellular signals for all compatible devices and users on Band 13.

2. Package Contents

Before beginning installation, please verify that all components are present:

- ANNTLENT AN-L70V-01 Signal Booster Unit

- Outdoor Yagi Antenna
- Indoor Whip Antenna
- Coaxial Cable (for outdoor antenna)
- Power Adapter
- Window Entry Cable
- Waterproof Insulating Tape
- Mounting Hardware



The complete ANNTLENT signal booster kit, ready for installation.

3. Setup and Installation

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

3.1 Pre-installation Checklist

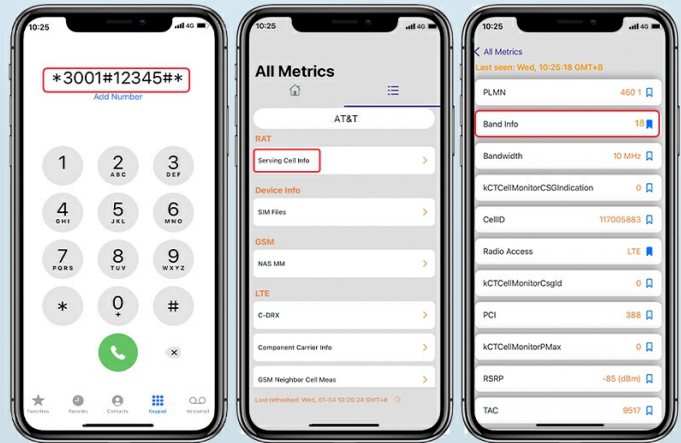
- **Check Existing Signal:** Use your phone's field test mode (e.g., dial *3001#12345#* on iOS or use 'Network Cell Info Lite' on Android) to determine the current signal strength in dBm and identify the cellular band (Band 13 for Verizon). A minimum of 1-2 bars of outdoor signal is recommended for the

booster to function effectively.

- **Locate Cell Tower:** Utilize the ANNTLENT Signal Advisor app to find the nearest cell tower and its direction. This will help in aiming the outdoor antenna.
- **Antenna Separation:** Ensure a minimum vertical separation of 25 feet or a horizontal separation of 50 feet between the outdoor and indoor antennas to prevent oscillation.



1. Dial No. *3001#12345#*
2. Click "Serving Cell Info"
3. Check "Band Info"



Instructions for checking cellular band information on iOS devices.



1. Download "Network Cell Info Lite"
2. Choose "GAUGE"
3. Check "Band"



Instructions for checking cellular band information on Android devices.

3.2 Installation Steps

1. **Outdoor Antenna Placement:** Mount the outdoor Yagi antenna on the roof or an exterior wall of your building, ensuring it is as high as possible and clear of obstructions. Aim the antenna towards the nearest cell tower using the ANNTLENT Signal Advisor app for precise direction.

Outside Antenna Captures Signal More Accurately

ANNTLENT APP helps you find the cell tower within 1 minute.



The outdoor antenna should be positioned to capture the strongest possible signal.

2. **Cable Routing:** Connect the coaxial cable to the outdoor antenna and route it into your home. The included window entry cable allows for drill-free installation by passing through a window frame. For outdoor connections, use the provided waterproof insulating tape to protect connectors from moisture and ensure long-term performance.

Designed with Your Need in Mind

Easy to setup with all accessories included in the package.



Window-entry Cable

Through a window without drilling a hole



Waterproof Insulating Tape

Effectively insulated, waterproof and rustproof

Utilize the window entry cable for easy installation and waterproof tape for secure outdoor connections.

- Indoor Antenna Placement:** Connect the indoor whip antenna to the booster unit. Place the indoor antenna in the central area where you need improved signal coverage. It can be placed on a table or mounted on a wall. Remember to maintain the required separation distance from the outdoor antenna.

Plug and Play

Place the indoor antenna to where you need strong signal, and it will expand coverage automatically.



Put on the table

Hanging on the wall



The indoor antenna can be placed on a flat surface or mounted on a wall for optimal coverage.

4. **Booster Unit Connection:** Connect the coaxial cable from the outdoor antenna to the port labeled "OUTDOOR" on the booster unit. Connect the indoor antenna to the port labeled "INDOOR".
5. **Power On:** Plug the power adapter into the booster unit and then into a power outlet. The booster will power on, and indicator lights will illuminate.

3.3 Using the ANNTLENT Signal Advisor App

The ANNTLENT Signal Advisor app simplifies setup and troubleshooting:

- **Watch Installation Videos:** Access step-by-step video guides.
- **Find Cell Tower:** Accurately locate and aim your outdoor antenna.

- **Show Signal Strength:** Monitor real-time signal strength (dBm) for optimal placement.
- **Get Online Support:** Connect with customer support directly through the app.

APP Makes Your Setup a Breeze

Empower your booster experience with our innovative APP.



The ANNTLENT Signal Advisor app provides essential tools for setup and monitoring.

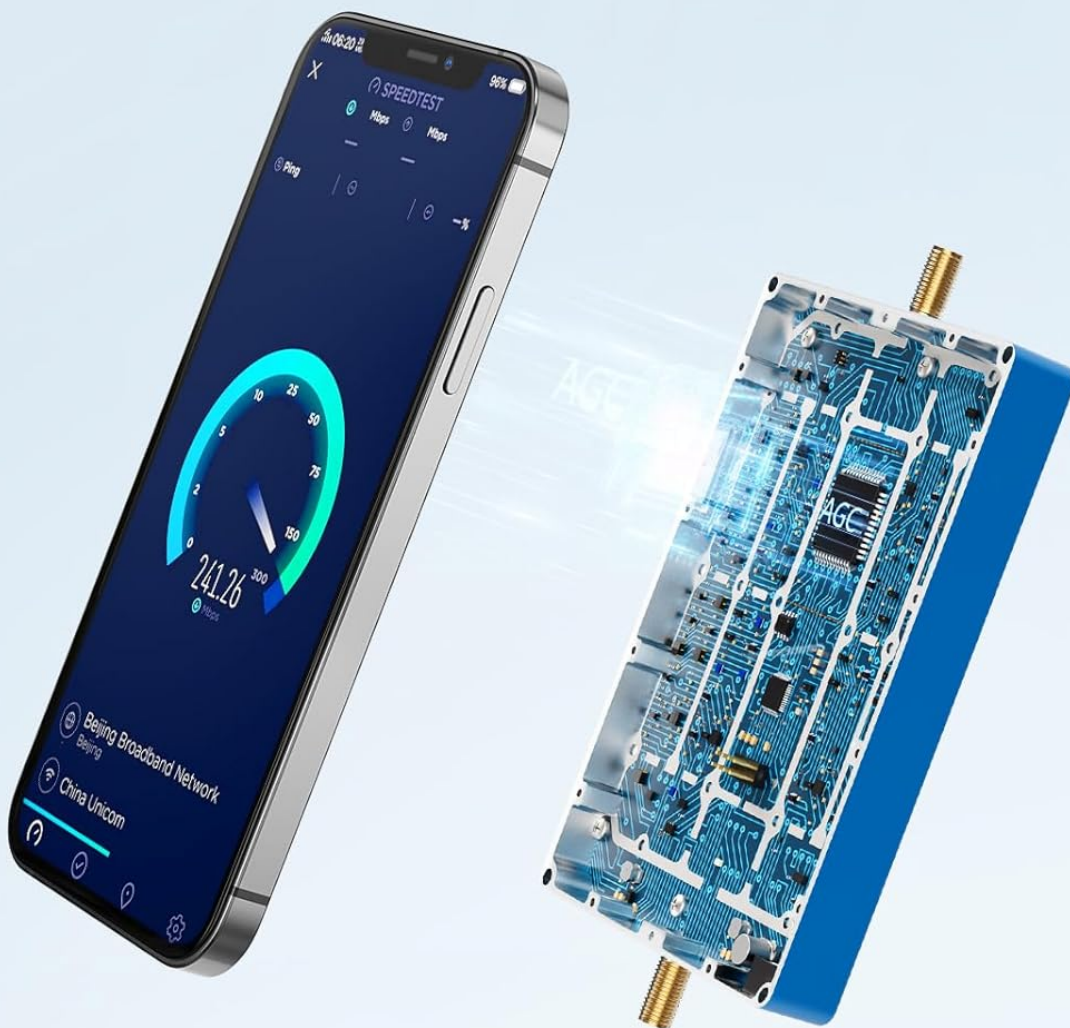
4. Operating Instructions

Once installed, the ANNTLENT AN-L70V-01 operates automatically. The booster continuously monitors signal levels and adjusts its gain to provide maximum stability and prevent over-amplification. It features N10 Multi-Protect Technology for device protection and low energy consumption.

- **Automatic Gain Control (AGC):** The booster automatically optimizes gain for hassle-free and optimal performance, adapting to varying signal conditions.
- **Signal Indicator Lights:** Smart signal lights on the booster unit indicate the signal strength received and confirm proper functioning.
- **Standby Mode:** When no one is using the phone, the booster automatically switches to standby mode, saving energy and ensuring safety.

Powered By N10 Multi-Protect Technology

Provides total protection for you and your devices.



70dB

Max Gain

AGC

Auto Gain Control



Low Energy Consumption

The booster incorporates advanced technology for maximum gain, automatic control, and energy efficiency.

Certification
Issued Under the Authority of the
Federal Communications Commission
By:

MICOM Labs
575 Boulder Court
Pleasanton, CA 94566

Date of Grant: 03/16/2023

Application Dated: 03/16/2023

Shen Zhen ANNTLENT Communication Technology co., Ltd.
Room 601, Unit 1 Building 10, Haoyue Garden,
Minzhi Sub-district, Longhua District
Shenzhen,
China

Attention: Sam Sun

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER: 2ALZE-L70V-01

Name of Grantee: Shen Zhen ANNTLENT Communication
Technology co., Ltd.

Equipment Class: Part 20 Wideband Consumer Booster (CMRS)
Notes: Cell Phone Signal Booster

| <u>Grant Notes</u> | <u>FCC Rule Parts</u> | <u>Frequency Range (MHZ)</u> | <u>Output Watts</u> | <u>Frequency Tolerance</u> | <u>Emission Designator</u> |
|--------------------|-----------------------|------------------------------|---------------------|----------------------------|----------------------------|
| | 27 | 776.0 - 787.0 | 0.1419 | | G7D |
| | 27 | 776.0 - 787.0 | 0.1419 | | W7D |
| | 27 | 746.0 - 757.0 | 0.0029 | | G7D |
| | 27 | 746.0 - 757.0 | 0.0029 | | W7D |

Power listed is conducted at antenna terminals. This device is a Wideband Fixed Consumer Signal Booster approved for operating with the coverage/server antenna installed at a fixed location inside a building. Users and installers must be provided with the antenna kitting and installation and operating instructions and conditions for satisfying RF exposure and Section 20.21(a) compliance. These antennas used with this signal booster must be installed to provide a separation distance of at least 20 cm from all persons. This Wideband Consumer Signal Booster is authorized only for operation by and marketing to members of the general public for their personal use in accordance with the requirements of Sections 20.21(a)(7) and 20.21(g).

Smart signal lights provide visual feedback on the booster's status.

5. Maintenance

The ANNTLENT AN-L70V-01 requires minimal maintenance to ensure long-term performance:

- **Secure Connections:** Periodically check all cable connections to ensure they are secure and free from corrosion.
- **Outdoor Antenna Inspection:** Inspect the outdoor antenna and its cables for any signs of weather damage, such as cracks, fraying, or loose mounts.
- **Booster Unit Environment:** Keep the booster unit in a dry, climate-controlled area, away from direct sunlight, extreme temperatures, and moisture.
- **Cleaning:** Use a soft, dry cloth to clean the booster unit and antennas. Do not use liquid cleaners or solvents.

6. Troubleshooting

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

- **No Signal Boost:**

- Ensure the power adapter is securely plugged into the booster and a working outlet.
- Verify that the outdoor and indoor antennas are connected to the correct ports on the booster.
- Confirm sufficient separation (at least 25ft vertical or 50ft horizontal) between the outdoor and indoor antennas.
- Re-aim the outdoor antenna using the ANNTLENT Signal Advisor app to ensure it is pointing towards the strongest signal source.
- Check all coaxial cable connections for tightness and damage.

- **Flickering Lights or Intermittent Signal:**

- This may indicate oscillation due to insufficient antenna separation. Increase the distance between the outdoor and indoor antennas.
- Check for any loose cable connections.

- **Poor Signal Quality:**

- Fine-tune the direction of the outdoor antenna. Even small adjustments can significantly improve performance.
- Ensure the indoor antenna is not obstructed by furniture or walls.
- Verify that your cellular carrier operates on Band 13 in your area.

For further assistance, refer to the ANNTLENT Signal Advisor app for detailed troubleshooting guides and online support.

7. Specifications

| | |
|----------------------------------|--|
| Model Number | AN-L70V-01 |
| Brand | ANNTLENT |
| FCC ID | 2ALZE-L70V-01 |
| Frequency Bands Supported | Band 13 |
| Maximum Gain | 70dB |
| Coverage Area | Up to 4000 square feet |
| Compatible Devices | Smartphones, tablets, and other mobile devices on Verizon, MetroPCS, Straight Talk, T-Mobile, and U.S. Cellular networks (Band 13) |
| Connector Type | SMA-type |
| Item Weight | 3.41 pounds |
| Package Dimensions | 14.68 x 10.79 x 3.94 inches |
| Manufacturer | UUNITONA Ltd. |
| Date First Available | March 6, 2024 |



Product label displaying model and FCC information.

8. Warranty Information

The ANNTLENT AN-L70V-01 Cell Phone Signal Booster comes with a **3-year manufacturer warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, refer to the official ANNTLENT website or

contact customer support.

9. Customer Support

For any questions, technical assistance, or support regarding your ANNTLENT Cell Phone Signal Booster, please utilize the following resources:

- **ANNTLENT Signal Advisor App:** Access in-app support, FAQs, and troubleshooting guides.
- **Online Support:** Visit the official ANNTLENT website for comprehensive support resources and contact information.