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Amazboost gdagre-375

Amazboost Cell Phone Signal Booster A1 (Model gdagre-375) User Manual

Comprehensive instructions for installation, operation, and maintenance.

Introduction	Safety Information	Product Overview	Setup & Installation	Operation
Maintenance	Troubleshooting	Specifications	Warranty & Support	

1. INTRODUCTION

The Amazboost Cell Phone Signal Booster A1 (Model gdagre-375) is designed to enhance 3G, 4G, and 5G LTE cellular signals within your home or office. This device improves voice quality, reduces dropped calls, and increases data speeds, providing a more reliable cellular experience. It is compatible with all major US carriers, including Verizon, AT&T, Sprint, and T-Mobile.



Image 1.1: The Amazboost Cell Phone Signal Booster A1, illustrating its compatibility with various US carriers and its ability to boost 2G, 3G, 4G LTE, and 5G signals for multiple users.

2. SAFETY INFORMATION

Please read and follow all safety instructions carefully before installing and operating your signal booster. Failure to do so may result in injury or damage to the device.

- **Power Supply:** Use only the power adapter provided with the device.
- **Antenna Placement:** Ensure the outdoor antenna is installed at a safe height, away from power lines, and grounded to protect against lightning.
- **Separation Distance:** Maintain adequate separation between the outdoor antenna and the indoor antenna to prevent oscillation and ensure optimal performance.
- **FCC Compliance:** This device complies with FCC regulations. Any unauthorized modifications may void the user's authority to operate the equipment.
- **Ventilation:** Ensure the booster unit has adequate ventilation and is not covered to prevent overheating.

3. PRODUCT OVERVIEW

The Amazboost Cell Phone Signal Booster A1 kit includes the following components:

- **Outdoor Antenna:** 1 unit (Directional Yagi antenna)
- **Booster Unit:** 1 unit (Main amplifier)
- **Indoor Antenna:** 1 unit (Omni-directional whip antenna)
- **Coaxial Cable:** 1 x 60 ft RG6 cable for connecting outdoor antenna and booster.
- **Power Supply:** 1 unit (AC/DC adapter)
- **Mounting Hardware:** Brackets and screws for outdoor antenna installation.



Sturdy material for long-term stable operation

hot **toot cold**

Maximum Coverage

Key Factors:

- Outside signal level
- Outdoor antenna and indoor antenna installation distance (isolation)

Treatment:

- Find the best signal outside your building, normally over the roof line
- Minimum installation distance is 12 feet vertical and 10 feet horizontal, no facing each other

Image 3.1: All components included in the Amazboost Cell Phone Signal Booster A1 kit, laid out for easy identification.



Image 3.2: Visual representation of the kit contents: (1) Outdoor Antenna, (2) Booster, (3) Indoor Antenna, (4) Coaxial Cable, (5) Power Supply.

4. SETUP & INSTALLATION

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

4.1. Find the Best Outdoor Signal

Before installing the outdoor antenna, identify the location with the strongest cellular signal outside your building. You can use a mobile app like "LTE Discovery" (for Android) or dial ***3001#12345#*** then press call (for iPhone) to access Field Test Mode and check the dBm reading. A higher (less negative) dBm value indicates a stronger signal (e.g., -80 dBm is stronger than -100 dBm).



Image 4.1: Instructions for checking signal strength on your smartphone, including dial codes for iPhone and the recommended Android app.

Additionally, you can use online resources like CellMapper.net to locate nearby cell towers for your carrier. This will help you determine the optimal direction to point your outdoor antenna.

4.2. Outdoor Antenna Installation

Mount the outdoor directional antenna (Yagi antenna) on the roof or a high point of your building, ensuring it is pointed towards the strongest signal source (cell tower). The antenna should be at least 12 feet vertically and 10 feet horizontally away from the indoor antenna to prevent interference.

- Ensure the antenna is mounted securely to withstand wind and weather.
- Avoid placing the antenna near metal objects, windows, or other obstructions that could block the signal.
- The antenna should be positioned at the highest point of your house to protect against damage and safety concerns caused by lightning strikes.

Band number

se_plmn_mcc	302
ul_bw	100
se_plmn_mnc	220
timestamp	2020-07-14 14:22:57 MDT
phy_cell_id	6
freq_band_ind	2
dl_bw	100
ul_freq	18900

Receive level dBm

rsrp0	-107
rsrq0	-25
sinr0	10.0
rsrp1	-107
rsrq1	-27

Find band number and dBm reading

Band number

Receive level dBm

Band: 12
 LAC: 20225
 CID: 60932
 RNC: 182
 BER: N/A
 LTE: -98.0 dBm
 GSM: -113.0 dBm

- Dial number: *3001#12345#
- Chose "LTE", "UMTS" or "GSM"
- Click "Serving cell info"
- Check Band: "Serving cell info" → "Freq_Band_Ind"
- Check dBm Reading: "Serving cell meas" → "rsrp0"

FOR IOS

FOR Android

*Note: ensure that the frequency band and signal strength are applicable to the equipment

Image 4.2: Illustration of correct outdoor antenna placement, emphasizing height and clear line of sight to the cell tower.

4.3. Indoor Unit (Booster) Placement

Place the booster unit and indoor antenna in a central location within your home or office where you need improved signal coverage. The indoor antenna should be mounted at least 20 feet away from the outdoor antenna to prevent signal feedback.

- The indoor antenna is omni-directional, providing coverage in a circular pattern.
- Ensure the indoor antenna is not obstructed by walls or furniture.



Image 4.3: Recommended indoor placement of the booster unit and antenna for optimal signal distribution within the coverage area.

4.4. Connecting the System

1. Connect the 60 ft RG6 coaxial cable to the outdoor antenna.
2. Route the cable into your building and connect the other end to the "Outdoor" port on the booster unit.
3. Connect the indoor whip antenna to the "Indoor" port on the booster unit.
4. Connect the power supply to the booster unit and then plug it into a power outlet.

Important: Ensure all connections are tight and secure before powering on the device.

4.5. Visual Installation Guide (Video)



Video 4.1: A detailed video guide from Amazboost on how to install the Signal 4G S2 Cellphone Booster. This video covers unboxing, component identification, and step-by-step installation instructions, including antenna placement and connection.

5. OPERATION

Once the system is properly installed and powered on, the booster will automatically begin to amplify the cellular signal. The LED indicators on the booster unit will provide feedback on its operational status:

- **Power LED:** Indicates the device is powered on.
- **Signal LEDs (Band 12, 13, 17, 5, 25, 2, 4):** These LEDs correspond to different frequency bands. A solid green light indicates a strong signal for that band, while a blinking light may indicate a weaker signal or oscillation.

The booster continuously monitors and adjusts its gain to optimize performance and prevent interference with cellular networks. You should observe an immediate improvement in signal strength on your mobile devices within the coverage area.

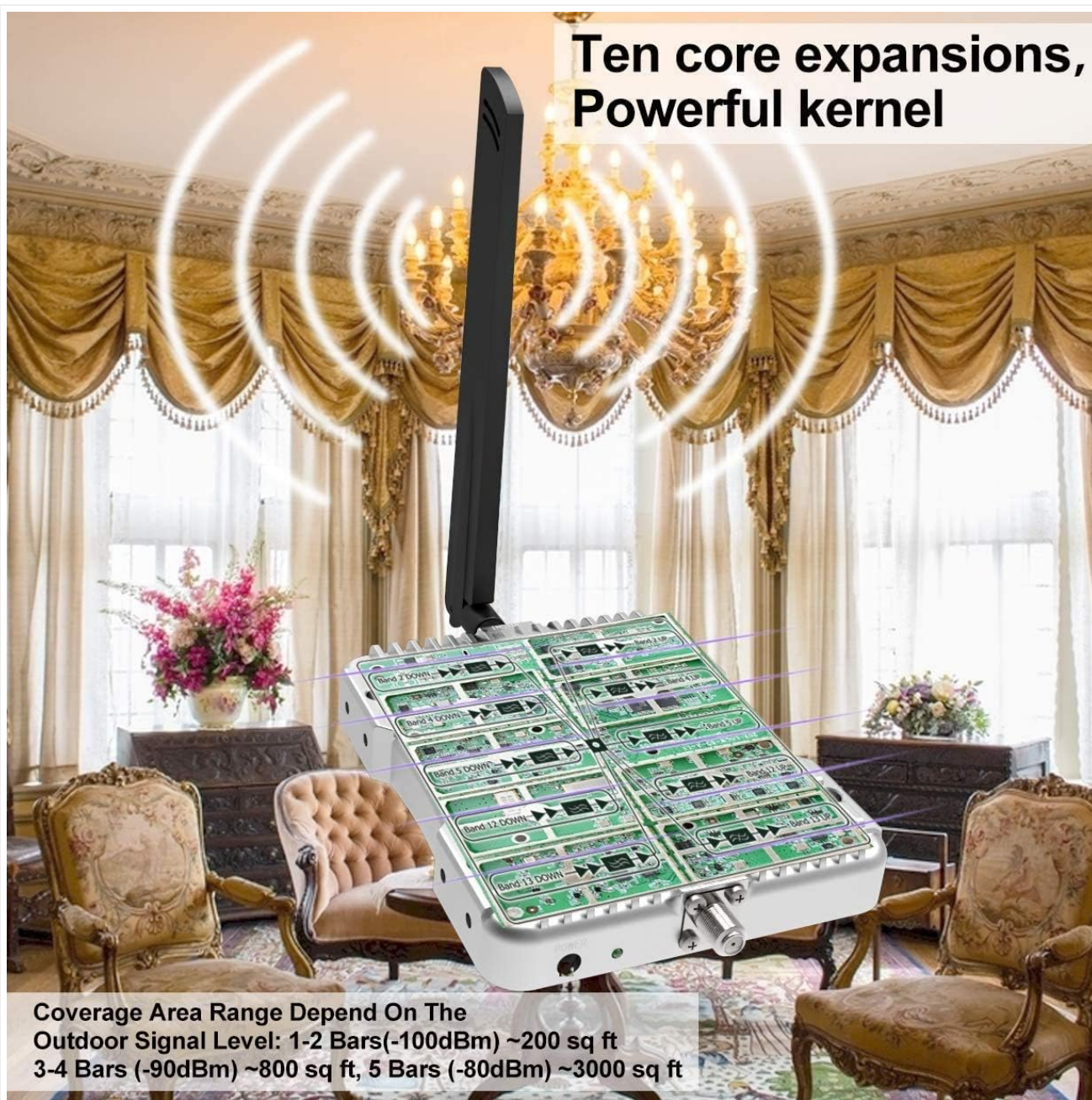


Image 5.1: The internal components of the booster, highlighting the advanced technology that enables multi-band signal amplification.

6. MAINTENANCE

The Amazboost Cell Phone Signal Booster A1 requires minimal maintenance. To ensure longevity and optimal performance:

- **Cleaning:** Periodically wipe the booster unit and antennas with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Cable Inspection:** Annually inspect all cable connections for tightness and signs of wear or damage. Ensure outdoor cables are properly sealed against moisture.
- **Antenna Check:** Periodically check the outdoor antenna for any obstructions (e.g., tree branches) or changes in its alignment due to strong winds.
- **Power Cycle:** If you experience a sudden drop in performance, try power cycling the booster by unplugging it for 30 seconds and then plugging it back in.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No Signal Improvement	Insufficient outdoor signal. Improper antenna alignment. Insufficient separation between antennas. Loose cable connections.	Relocate outdoor antenna to an area with stronger signal. Adjust outdoor antenna direction towards the nearest cell tower. Increase the distance between outdoor and indoor antennas (minimum 20 ft). Ensure all cable connections are tight.
Booster LEDs are off	No power. Faulty power adapter.	Check power outlet and connections. Test with a different power adapter if available.
Intermittent Signal / Dropped Calls	Oscillation (antennas too close). Weak incoming signal. External interference.	Increase separation between antennas. Ensure outdoor antenna is pointed optimally. Check for other electronic devices causing interference.

8. SPECIFICATIONS

Feature	Detail
Model Number	gdagre-375
Coverage Area	Up to 2,500 sq ft (depends on outdoor signal strength)
Supported Frequencies	Bands 12, 13, 17, 5, 25, 2, 4 (2G, 3G, 4G LTE, 5G Ready)
Compatible Carriers	All US Carriers (Verizon, AT&T, Sprint, T-Mobile, U.S. Cellular, etc.)
Gain	60dB
Outdoor Antenna Type	Directional Yagi Antenna
Indoor Antenna Type	Omni-directional Whip Antenna
Coaxial Cable Length	60 ft RG6 cable
FCC Approved	Yes, FCC ID: A7V-SR75702001
Item Weight	4.4 pounds (2 Kilograms)
Package Dimensions	14.25 x 9.33 x 4.76 inches

9. WARRANTY

The Amazboost Cell Phone Signal Booster A1 (Model gdagre-375) comes with a **3-year manufacturer's 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, please refer to the official Amazboost website or contact customer support.

10. CUSTOMER SUPPORT

If you have any questions, concerns, or require assistance with the installation or operation of your Amazboost Cell Phone Signal Booster A1, please contact our customer support team:

- **Email:** support@amazboost.com
- **Phone:** (USA) 1-877-579-7878
- **Website:** www.amazboost.com

Our support team is available to assist you with any technical inquiries or product-related issues.