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- › [Atcall](#) /
- › [Atcall 6K Cell Phone Signal Booster Instruction Manual](#)

Atcall 6K

Atcall 6K Cell Phone Signal Booster Instruction Manual

Model: 6K | Brand: Atcall

INTRODUCTION

The Atcall 6K Cell Phone Signal Booster is designed to enhance 4G LTE and 5G cellular signals across multiple rooms in your home or office. This five-band signal booster operates on bands 12/17, 13, 5, 2/25, and 4, supporting all major U.S. carriers including AT&T, Verizon, T-Mobile, Straight Talk, and U.S. Cellular.

Key features include dual indoor antennas for multi-room coverage up to 8,000 sq. ft., a smart LCD monitor for real-time signal status and easier troubleshooting, and a high-performance smart chip AGC for stable performance. The system is FCC approved and designed for DIY installation.

Ideal for Multi-room - Large Size Home

Coverage up to **8,000** Sq. Ft



● Warehouse



● Home



● Office



● Villa

● Farm

Image: The Atcall 6K Cell Phone Signal Booster provides enhanced cellular coverage suitable for various environments, including warehouses, homes, offices, villas, and farms, covering up to 8,000 square feet.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 6K Signal Booster Unit
- 2 x Indoor Panel Antennas
- Outdoor Directional Antenna

- Power Supply
- Mounting Kits (Booster Wall Mount Bracket, Roof/Pole Mount Bracket)
- 3 x 30ft Coaxial Cables

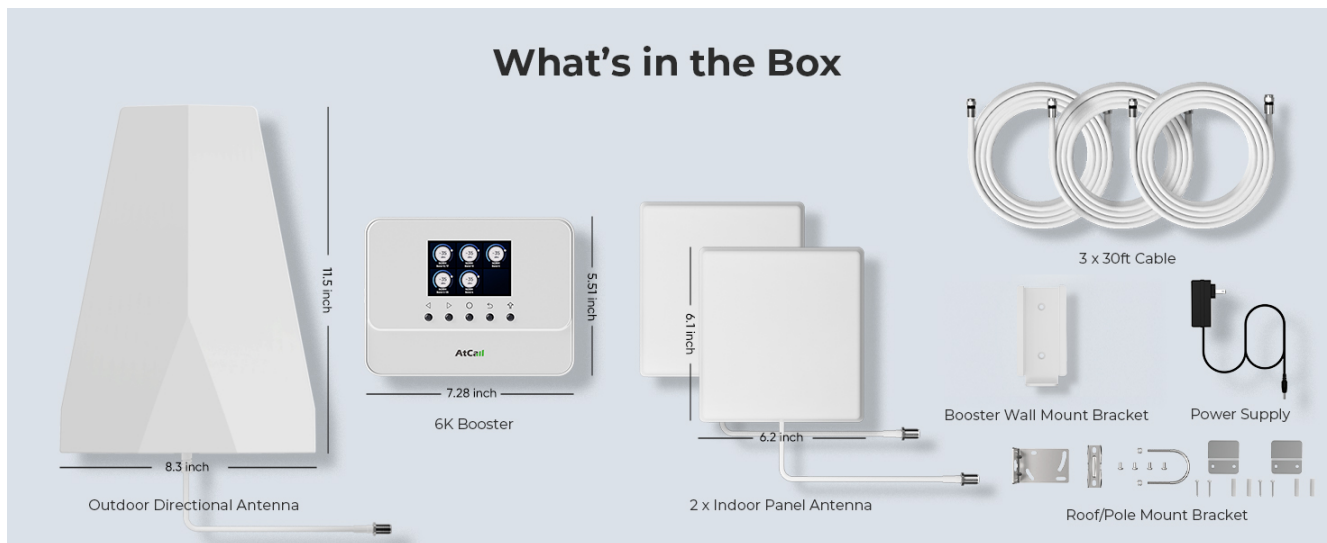


Image: A visual representation of the Atcall 6K Cell Phone Signal Booster package contents, including the booster unit, two indoor panel antennas, an outdoor directional antenna, three 30ft cables, a power supply, and various mounting brackets.

FCC COMPLIANCE

The Atcall 6K Cell Phone Signal Booster is compliant with all requirements of FCC & IC Certification. Before use, you **MUST REGISTER** this device with your wireless provider and have your provider's consent. Most wireless providers consent to the use of signal boosters. Some providers may not consent to the use of this device on their network. If you are unsure, contact your provider.

You **MUST** operate this device with approved antennas and cables as specified by the manufacturer. Antennas **MUST** be installed at least 20 cm (8 inches) from any person. You **MUST** cease operating this device immediately if requested by the FCC or a licensed wireless service provider.

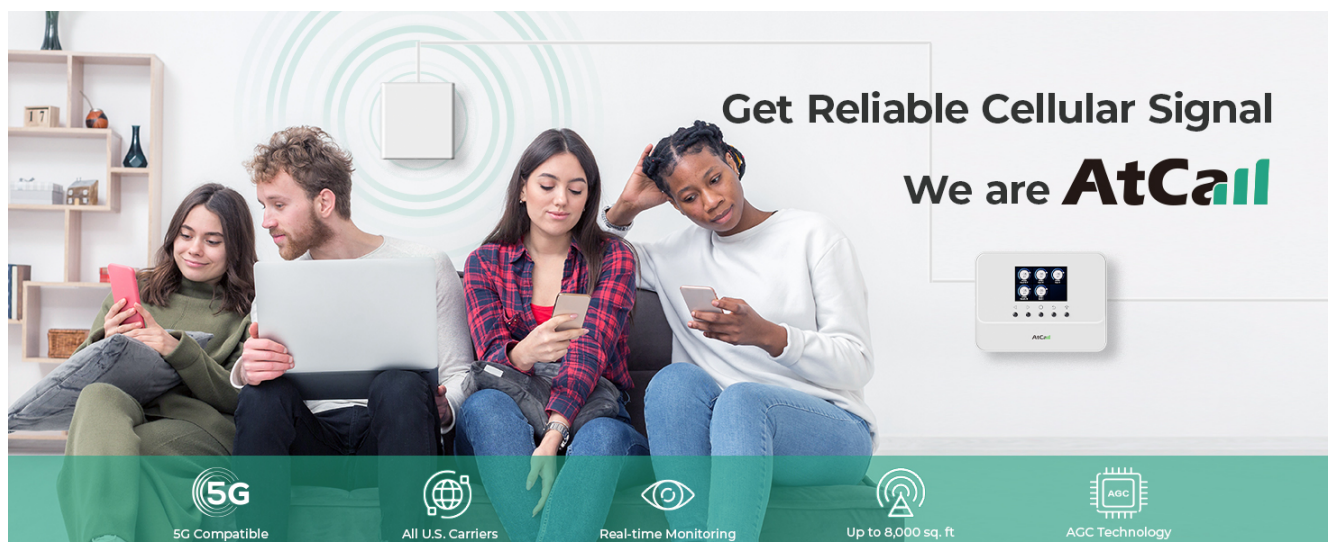


Image: The Atcall 6K Cell Phone Signal Booster unit displaying its FCC ID and compliance information, indicating approval for consumer use.


SETUP

Pre-Installation Considerations

Before installing, it is crucial to test your cell phone band and check your outdoor signal strength. A minimum outdoor signal strength of -110dBm is recommended for optimal performance.

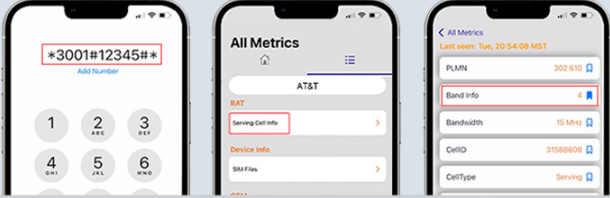
Use the provided band testing methods to identify the strongest signal source:


Testing Methods of Frequency Band



For iPhone

1. Dial *3001#12345#* then press call button
2. Choose All Metrics, Click Serving Cell Info
3. Check Band Info





For Android Phone

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




Image: Instructions for testing frequency bands on both iPhone and Android devices to determine the best signal for booster installation.

Installation Overview

The system works by receiving an outdoor signal, amplifying it through the booster unit, and then broadcasting the enhanced signal indoors via the indoor antennas. Proper separation between outdoor and indoor antennas is critical to prevent signal oscillation (feedback loop).

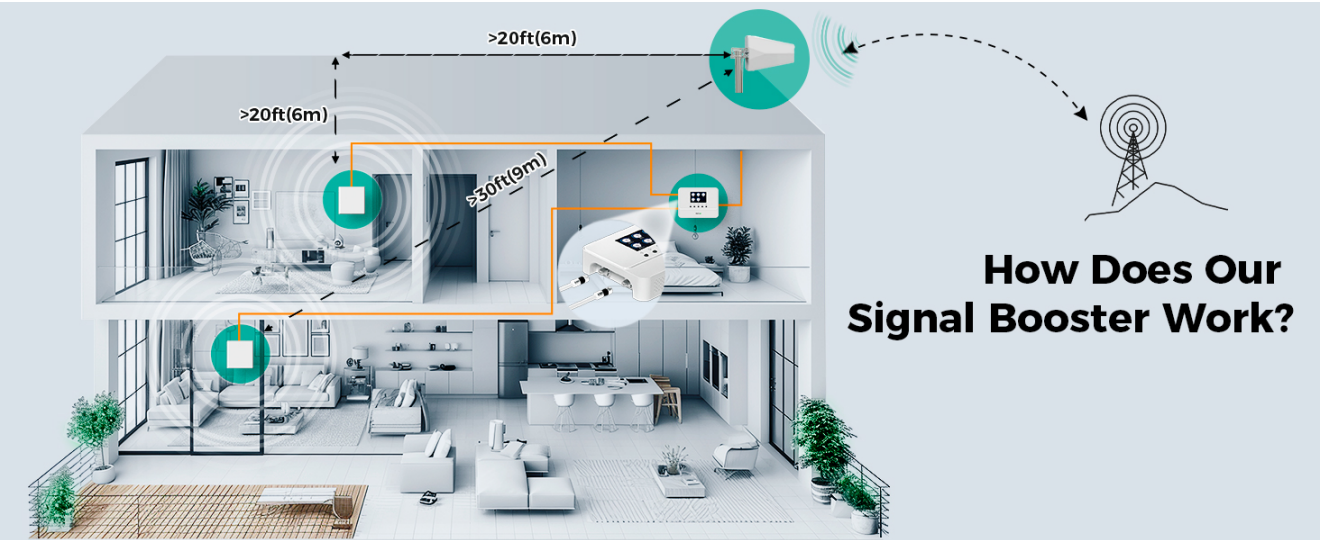


Image: A diagram showing the signal flow from the outdoor antenna to the booster, then to the indoor antennas, illustrating how the Atcall 6K Cell Phone Signal Booster works to extend coverage within a home.

Outdoor Antenna Installation

Mount the outdoor directional antenna in a location with the strongest signal, typically on a roof or pole. Ensure it is aimed towards the nearest cell tower. Use the provided mounting kits for secure installation.

Make Your Home Full of Signal



**No
Dropped Call**



**Better Voice
Quality**



**Fast Data
Transfer**



**Multi-User
& Device**

Image: An illustration demonstrating the recommended minimum separation distances between the outdoor antenna, booster, and indoor antennas for optimal performance in a multi-story home.

Booster Unit Installation

Install the 6K Signal Booster unit in a central location within your home or office, ensuring it is at least 30 feet (9 meters) vertically and 20 feet (6 meters) horizontally away from the indoor antennas to prevent signal feedback. Connect the outdoor antenna cable to the 'Outdoor' port on the booster.

Indoor Antenna Installation

Connect the indoor panel antennas to the 'Indoor' ports on the booster. Position the indoor antennas in the areas where you need improved signal. Ensure proper separation from the outdoor antenna and the booster unit.

Your browser does not support the video tag.

Video: A quick guide demonstrating the installation steps for the 6K Signal Booster, including connecting components and setting up antennas.

OPERATING

The Atcall 6K Signal Booster features an HD LCD screen for real-time monitoring of signal strength and working status of each frequency band. This display aids in verifying proper installation and troubleshooting any issues.

The smart chip AGC (Automatic Gain Control) automatically adjusts the booster's gain to ensure stable performance and prevent interference with cell towers.

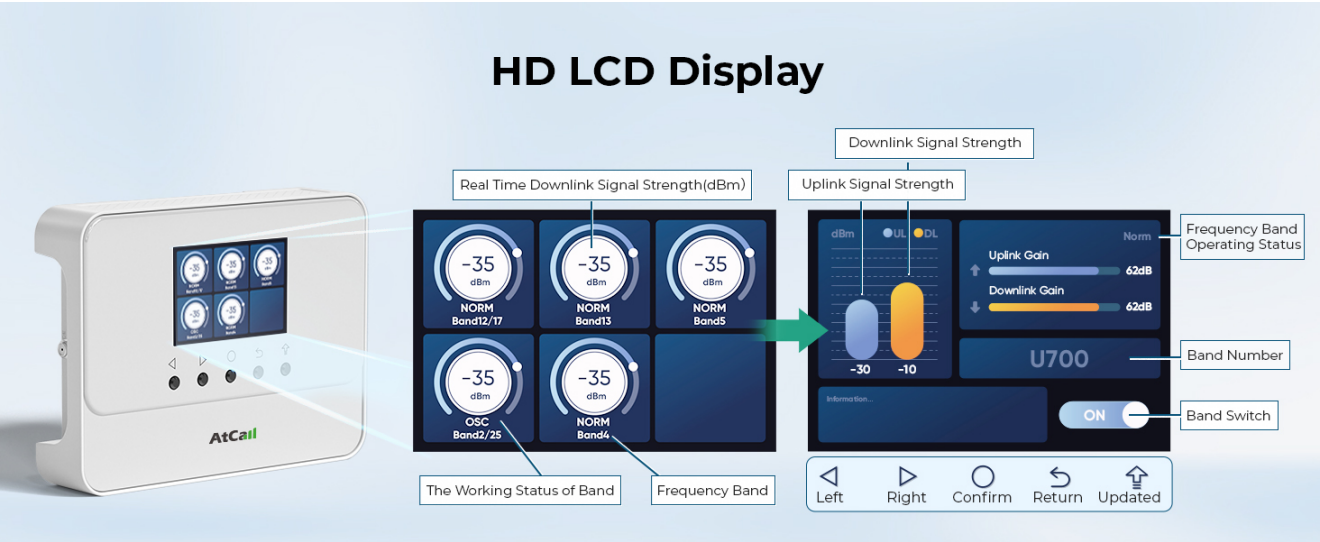


Image: A close-up view of the Atcall 6K Cell Phone Signal Booster's LCD display, detailing real-time downlink signal strength, uplink signal strength, band numbers, and band operating status.

MAINTENANCE

To ensure the longevity and optimal performance of your Atcall 6K Cell Phone Signal Booster, follow these maintenance guidelines:

- **Keep the unit clean:** Regularly wipe the booster unit and antennas with a soft, dry cloth to remove dust and debris.
- **Check connections:** Periodically inspect all cable connections to ensure they are secure and free from corrosion.
- **Protect from extreme conditions:** While the outdoor antenna is designed for outdoor use, avoid exposing the booster unit to excessive heat, direct sunlight, moisture, or poorly ventilated areas.
- **Avoid physical damage:** Handle the unit and antennas with care to prevent drops or impacts.

TROUBLESHOOTING

If you experience issues with your Atcall 6K Cell Phone Signal Booster, refer to the LCD monitor for diagnostic information. Common issues and solutions are listed below:

Problem	Possible Cause	Solution
No signal improvement	Outdoor antenna not aimed correctly; Insufficient outdoor signal; Cables loose or damaged.	Adjust outdoor antenna direction using LCD monitor feedback; Verify outdoor signal strength; Check all cable connections.

Problem	Possible Cause	Solution
LCD shows 'OSC' (Oscillation)	Insufficient isolation between outdoor and indoor antennas.	Increase separation distance between outdoor and indoor antennas (min. 30ft vertical, 20ft horizontal). Ensure no direct line of sight.
Power LED off	No power supply.	Check power adapter connection and power outlet.
Weak indoor signal	Indoor antennas not optimally placed; Obstructions.	Reposition indoor antennas for better coverage; Minimize obstructions.

SPECIFICATIONS

Feature	Detail
Brand	Atcall
Model	6K
Supported Bands	12/17, 13, 5, 2/25, 4
Coverage Area	Up to 8,000 sq. ft.
Max Gain	68dB
Display	HD LCD Screen
Special Features	Dual Indoor Antennas, Smart LCD Display
Compatible Devices	Cell phones (AT&T, Verizon, T-Mobile, Straight Talk, U.S. Cellular)
Item Weight	7.87 pounds
Package Dimensions	14.57 x 9.45 x 7.52 inches

WARRANTY & SUPPORT

For any technical assistance or warranty inquiries, please contact Atcall customer support. Refer to your product packaging or the official Atcall website for the most up-to-date contact information and warranty details.