

Atcall 3K

Atcall 3K Cell Phone Booster User Manual

Model: 3K

FCC Approved Cell Phone Signal Booster for Home

1. INTRODUCTION

The Atcall 3K Cell Phone Booster is designed to significantly improve 5G and 4G LTE cellular signal strength within your home or office, covering up to 3,000 square feet. It is compatible with all major U.S. carriers, including Verizon, AT&T, and T-Mobile, ensuring reliable voice calls and faster data speeds. Featuring a smart LCD display, this booster provides real-time signal information to assist with optimal installation and troubleshooting.



Figure 1.1: Atcall 3K Cell Phone Booster System Components

2. PACKAGE CONTENTS

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

- 1 x Atcall 3K Booster Unit
- 1 x Outdoor Directional Antenna
- 1 x Indoor Whip Antenna
- 1 x 60ft Coaxial Cable
- 1 x Power Supply
- Mounting Kits (Booster Wall Mount Bracket, Roof/Pole Mount Bracket)



Figure 2.1: Detailed View of Package Contents

3. SETUP AND INSTALLATION

The Atcall 3K Cell Phone Booster is designed for DIY installation. Follow these steps for optimal performance:

1. **Outdoor Antenna Placement:** Install the outdoor directional antenna on your rooftop or an elevated location where it can receive the strongest possible signal from the nearest cell tower. The LCD monitor on the booster will help you find the best position.
2. **Cable Connection:** Connect the 60ft coaxial cable from the outdoor antenna to the 'Outdoor' port on the 3K Booster unit.
3. **Indoor Antenna Placement:** Connect the indoor whip antenna to the 'Indoor' port on the 3K Booster. The booster unit can be placed on a table or mounted on a wall. Ensure there is sufficient separation (at least 20 feet horizontally and 30 feet straight line) between the indoor and outdoor antennas to prevent oscillation.
4. **Power Connection:** Connect the power supply to the booster unit and plug it into a power outlet.



Figure 3.1: Antenna Separation Guidelines



Mount on the Wall

Flexible Placement



Put on the Table

Figure 3.2: Flexible Placement Options for the Booster Unit

Video 3.1: Atcall Cell Phone Booster for Home - Installation Overview. This video demonstrates the basic setup and functionality of the Atcall 3K Cell Phone Booster, including how the LCD monitor assists in finding the best signal location.

4. OPERATING INSTRUCTIONS

Once installed, the Atcall 3K Booster operates automatically to amplify cellular signals. The smart LCD monitor provides real-time feedback on its performance.

4.1. Real-Time LCD Monitor

The color LCD display on the booster unit shows the real-time signal changes and working status for each supported frequency band. This helps confirm proper operation and identify any signal issues quickly.

Smart LCD Monitor

A clearer view of key indicators, making installation and troubleshooting easier.



Figure 4.1: Smart LCD Monitor Display

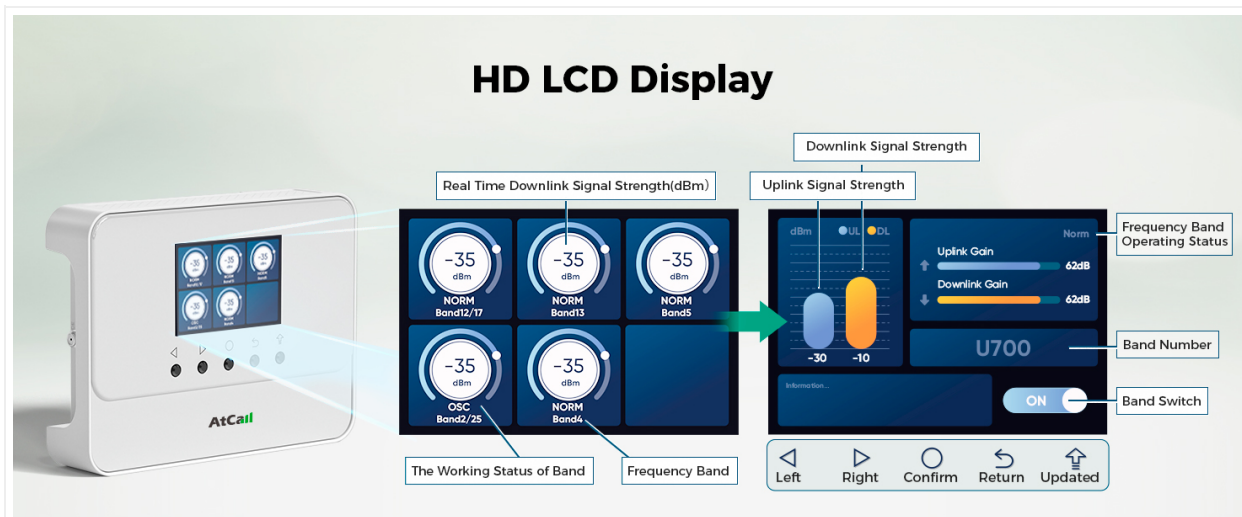


Figure 4.2: HD LCD Display Detailed Information

4.2. Carrier Compatibility

The booster supports all major U.S. carriers, improving 4G LTE and 5G data and voice for multiple users and devices simultaneously.

AtCall

Compatible with All U.S. Carriers

Support multiple Carriers&Devices at the same time

T-Mobile

AT&T

Straight Talk

Sprint

verizon

The advertisement features a photograph of two young women with long hair, one with straight brown hair and the other with curly brown hair, both smiling and looking at a green smartphone held by the woman on the right. They are lying on a dark green, textured blanket. In the background, a white desk lamp and a potted plant are visible. The text 'Compatible with All U.S. Carriers' is prominently displayed in large, bold letters, with 'All U.S. Carriers' in green. Below this, it says 'Support multiple Carriers&Devices at the same time'. The AtCall logo is in the top right corner. Logos for T-Mobile, AT&T, Straight Talk, Sprint, and Verizon are arranged on the left side of the image.

Figure 4.3: Compatible with All U.S. Carriers

The advertisement features a smiling couple looking at a smartphone. In the background, an AtCall 3K Cell Phone Booster is mounted on a wall, with concentric green circles representing signal waves emanating from its antenna. The AtCall logo is in the top right corner. Below the image is a green banner with three icons and their corresponding benefits:

-  **3G/4G LTE/
5G Compatible**
-  **Better Voice
Quality**
-  **Faster Data
Speed**

Figure 4.4: Enjoy Reliable Cellular Signal

5. MAINTENANCE

The Atcall 3K Cell Phone Booster requires minimal maintenance. Ensure the booster unit and antennas are kept clean and free from obstructions. Periodically check cable connections to ensure they are secure. Avoid exposing the unit to extreme temperatures or direct moisture.

6. TROUBLESHOOTING

If you experience issues with your signal booster, refer to the following common troubleshooting tips:

- **Weak or No Signal Improvement:**
 - Check the outdoor antenna's direction and position using the LCD monitor to ensure it's pointed

towards the strongest signal source.

- Verify that there is sufficient separation between the indoor and outdoor antennas to prevent signal feedback (oscillation).
- Ensure all cable connections are tight and secure.

- **LCD Display Issues:**

- If the display is blank, check the power supply connection.
- Refer to the LCD display for specific error codes or indicators that can guide troubleshooting.

- **Checking Frequency Band:** To verify your phone's frequency band for compatibility, use the following methods:



Figure 6.1: Methods for Checking Frequency Band

For further assistance, Atcall provides professional online tech support. Please feel free to contact us.

7. SPECIFICATIONS

Feature	Detail
Brand	Atcall
Model	3K
Coverage Area	Up to 3,000 sq. ft.
Supported Frequency Bands	Band 12/17, Band 13, Band 5, Band 2/25, Band 4/66
Gain	68dB high gain
Compatible Devices	Cell Phones (All U.S. Carriers)
Special Features	Indoor Whip Antenna (Simplified Installation), LCD Monitor, Outdoor Directional Antenna, Weatherproof
FCC Certification	FCC ID: 2A34B-SFZN005
Item Weight	6.63 pounds

Feature	Detail
Package Dimensions	14.17 x 9.37 x 4.57 inches
Date First Available	May 15, 2025

8. WARRANTY AND SUPPORT

The Atcall 3K Cell Phone Booster is FCC certified (FCC ID: 2A34B-SFZN005), ensuring compliance with regulatory standards. For any technical inquiries, installation assistance, or troubleshooting not covered in this manual, please contact our professional online tech support team. We are committed to providing reliable cellular signal solutions and support.



Figure 8.1: FCC & ISED Approved

Related Documents - 3K

	<p>Atcall SuperLink Cell Signal Booster Installation Guide</p> <p>This guide provides comprehensive instructions for installing and optimizing the Atcall SuperLink Cell Signal Booster. It covers package contents, preparation, step-by-step installation, LCD display usage, performance measurement, safety guidelines, technical specifications, and warranty information.</p>
	<p>SolaX X1-BOOST G4 Series User Manual: Installation, Operation, and Troubleshooting</p> <p>Comprehensive user manual for the SolaX X1-BOOST G4 series solar inverters (2.5kW to 6kW). Covers installation, safety, technical data, operation, troubleshooting, and warranty information for optimal PV system performance.</p>
	<p>Solax X3-MIC G2 Series Quick Installation Guide 3 kW - 15 kW Solar Inverter Setup</p> <p>Quick installation guide for Solax X3-MIC G2 Series solar inverters (3 kW-15 kW). Covers essential steps for inverter installation, PV and AC connections, earth grounding, WiFi setup, and firmware upgrades via USB.</p>
	<p>TE PARI Loadbar Plug Wiring Instructions and Compatibility Guide</p> <p>Provides essential wiring pinout details for TE PARI Loadbar plugs, including specific connections for EXC and SIGNAL lines, and instructions for using a 3.3kΩ resistor to ensure compatibility with various indicators.</p>
	<p>Imou Video Doorbell 3 3K Kit Quick Start Guide</p> <p>Comprehensive quick start guide for the Imou Video Doorbell 3 3K Kit, covering installation, setup, power options, and troubleshooting.</p>