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> Atcall Cell Phone Booster User Manual

Atcall SF005A

Atcall Cell Phone Booster User Manual

Model: SF005A

INTRODUCTION

Welcome to the Atcall Cell Phone Booster user manual. This device is designed to significantly improve 5G and 4G LTE cellular signals within your home or office, covering up to 6,000 sq ft. It is compatible with all major U.S. carriers, including Verizon, AT&T, T-Mobile, and Sprint. Enjoy clearer calls, faster data speeds, and fewer dropped connections.

ISED Approved

Reliable and Safe. Compliant with all the requirements of FCC&IC Certification



HVIN:SF005A
IC:28093-SFZN005
FCC ID:2A34B-SFZN005

AtCall HVIN:SF005A
IC:28093-SFZN005
FCC ID:2A34B-SFZN005

Band:
Band 12/17, Band 5, Band 2/25, Band 4, Band 13

This is a CONSUMER device

BEFORE USE, you **MUST REGISTER THIS DEVICE** with your wireless provider and have your provider's consent. Most wireless provider 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. In Canada **BEFORE USE** You must meet all requirements set out in ISED CPC-2-1-05. You **MUST** operate this device with approved antenna and cables as specified by the manufacturer. Antennas **MUST** be installed at least 20cm (8inches) from (i.e., **MUST NOT** be installed within 20 cm of) any person. You **MUST** cease operating this device immediately if requested by the FCC or a licensed wireless service provider. You **MUST** cease operating this device immediately if requested by the ISED or a licensed wireless service provider.

WARNING: E911 location information may not be provided or may be inaccurate for calls served by using this device.
This device may be operated **ONLY** in a fixed location for in-building use.

Boost your cell signal everywhere for better connectivity.

Compatible with All **U.S.** Carriers

Band 12/17/13/5/2/25/4/66

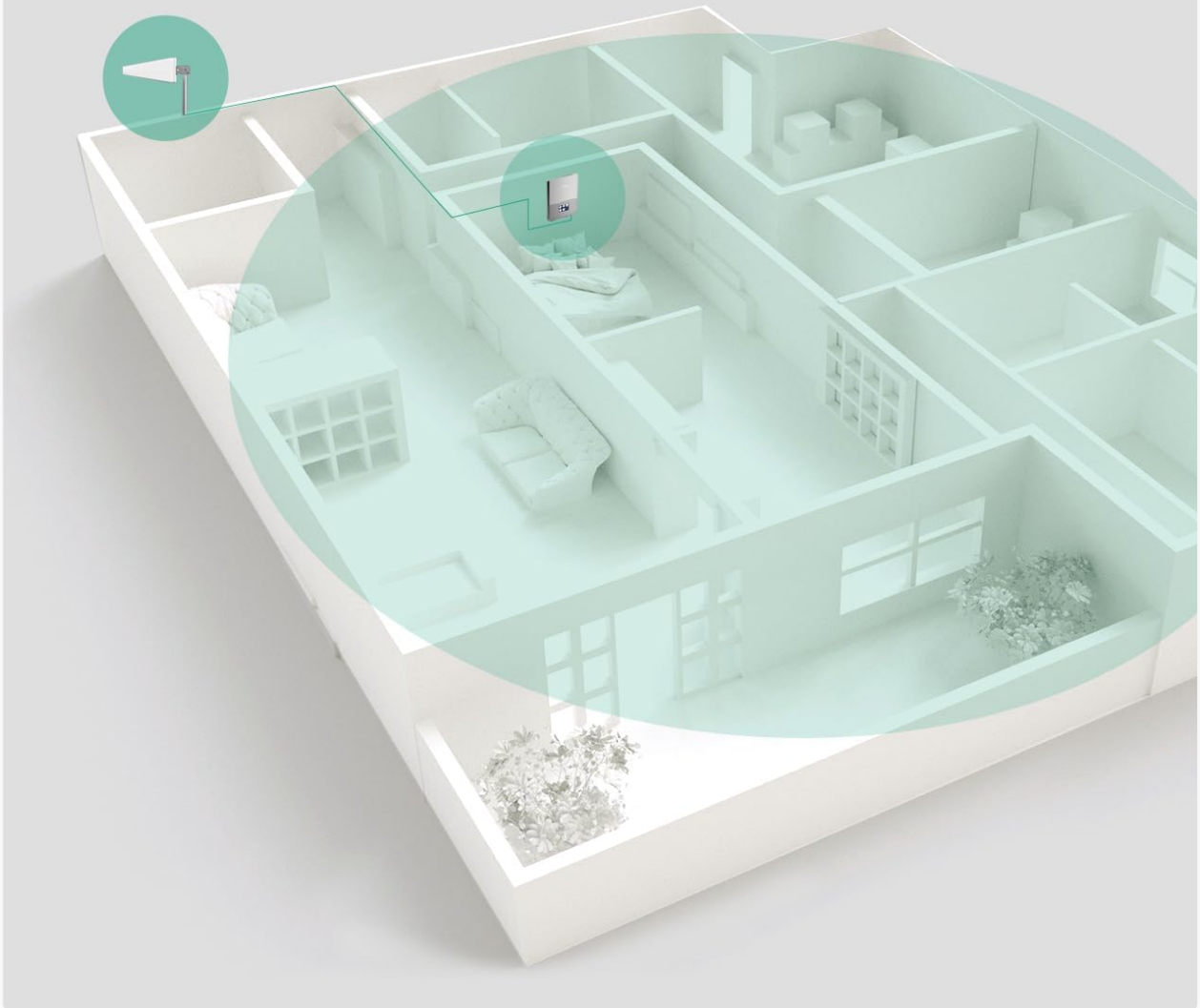
Supports multiple users and devices at the same time



Compatible with all major U.S. Carriers.

Boost 5G

Coverage Up to 6,000 Sq. Ft



Boosts 5G signal with coverage up to 6,000 Sq Ft.

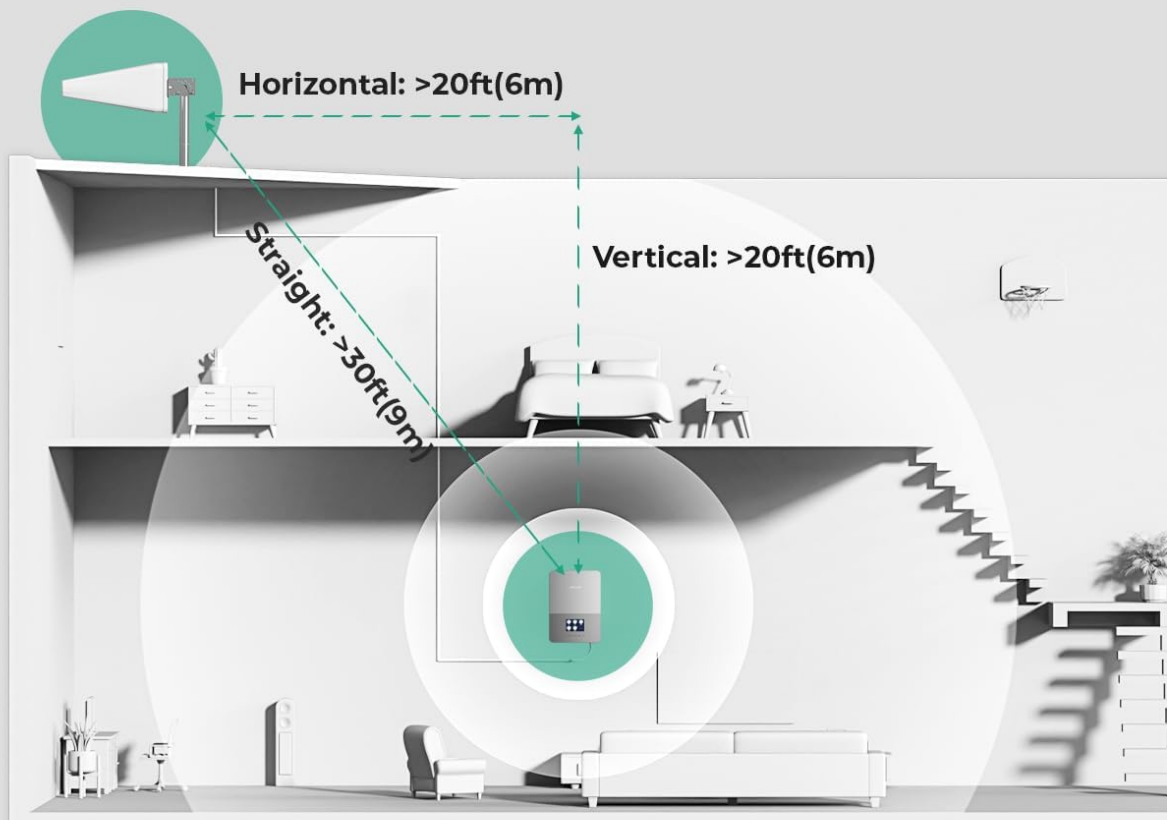
PACKAGE CONTENTS

Before you begin, please verify that all items are included in your package:

- 1 x Signal Booster (Built-in Indoor Panel Antenna)
- 1 x Upgraded Outdoor Directional Antenna
- 1 x 60ft Coaxial Cable
- 1 x Power Supply
- Mounting Kits (Roof/Pole Mount Bracket, U-bolt, nuts, screws)

Installation Instruction

For the best performance of the booster, please keep at least the following distance between outdoor antenna and indoor antenna.



All components included in the package.

SETUP AND INSTALLATION

Follow these steps for optimal performance. A proper installation ensures maximum signal improvement.

Step 1: Choose Outdoor Antenna Location

The outdoor directional antenna should be mounted on your roof or a high pole, pointing towards the nearest cell tower of your carrier. Use a cell phone signal map application to identify the best direction for your specific carrier. Ensure there is at least 20 feet (6 meters) horizontal and 30 feet (9 meters) straight distance between

the outdoor and indoor antennas to prevent oscillation.



The advertisement features a man in a blue denim shirt and glasses, smiling while looking at a tablet. To his left is a grey indoor booster unit with the AtCall logo and several indicator lights. The background is a blurred indoor setting with a window. The AtCall logo is in the top right corner. The main headline reads 'Boost Your Cell Signal Everywhere'. Below the image is a green banner with three icons and their corresponding benefits: a telephone icon for 'No more dropped calls', a smartphone icon for 'Better Voice Quality', and a lightning bolt icon for 'Fast Data Transfer'.

Boost Your Cell Signal Everywhere

No more dropped calls

Better Voice Quality

Fast Data Transfer

A diagram illustrating the recommended distances for antenna placement. The outdoor antenna should be at least 20 feet horizontally and 30 feet straight from the indoor booster unit to ensure proper signal isolation.

Step 2: Mount Outdoor Antenna

Secure the outdoor antenna using the provided mounting brackets. The "UP" arrow on the antenna indicates the correct orientation.

Video Description: This video demonstrates the physical installation of the outdoor antenna, including attaching it to a pole or surface and connecting the coaxial cable. It highlights the importance of proper orientation and secure mounting.

Step 3: Route Coaxial Cable

Connect the 60ft coaxial cable to the outdoor antenna. Carefully route the cable from the outdoor antenna to the location where you plan to place the indoor booster unit. Ensure the cable is not kinked or damaged during routing.

Step 4: Connect Indoor Booster Unit

Connect the routed coaxial cable from the outdoor antenna to the "OUTDOOR" port on the indoor booster unit. Connect the power supply to the "POWER" port on the indoor unit and plug it into a standard electrical outlet. The unit will power on and the LCD display will activate.



The main product image showing the Atcall cell phone booster unit and its connections.

Ideal for **Multi-Scenes**

Coverage Up to 6000 Sq. Ft



House/Home



Office



Warehouse



Cottage

A diagram showing how the signal booster system works, with an outdoor antenna receiving signal, a booster unit amplifying it, and an indoor antenna broadcasting the improved signal within a home layout.

OPERATING INSTRUCTIONS

The Atcall Cell Phone Booster features an intuitive HD LCD display for real-time monitoring and control.

LCD Display Overview

The LCD display shows real-time downlink signal strength (dBm), working status, and frequency bands. It also indicates Uplink Gain and Downlink Gain.



A close-up of the booster's HD LCD display, showing various signal strength indicators, frequency bands (Band 12/17, Band 13, Band 5, Band 2/25, Band 4), and gain levels for both uplink and downlink signals.

Navigating the Display

Use the navigation buttons below the display to cycle through different information screens and adjust settings:

- **Left/Right Arrows:** Navigate between different display modes or frequency bands.
- **Confirm Button:** Select a displayed option or enter a setting.
- **Return Button:** Go back to the previous screen.
- **Up/Down Arrows (implied by video):** Adjust values or toggle settings (e.g., On/Off for frequency bands).

Checking Signal Strength

To check your current signal strength and identify the best frequency band for your location, you can use your smartphone:

For iPhone:

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

For Android Phone:

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



A visual guide showing the steps to check frequency band information on both iPhone (using Field Test Mode) and Android phones (using the Network Cell Info Lite app).

MAINTENANCE

The Atcall Cell Phone Booster is designed for low maintenance.

- **Cleaning:** Periodically wipe the indoor unit and outdoor antenna with a soft, dry cloth to remove dust and debris. Do not use harsh chemicals or abrasive cleaners.
- **Cable Inspection:** Annually inspect the coaxial cable for any signs of wear, damage, or loose connections. Ensure all connections are secure.
- **Antenna Alignment:** If signal performance degrades, re-check the alignment of the outdoor antenna to ensure it is still pointing towards the strongest cell tower.

TROUBLESHOOTING

If you experience issues with your Atcall Cell Phone Booster, refer to the following common solutions:

No Signal Improvement:

- **Check Antenna Separation:** Ensure sufficient distance (at least 20ft horizontal, 30ft straight) between the outdoor and indoor antennas. Insufficient separation can cause oscillation and reduce performance.
- **Outdoor Antenna Direction:** Verify the outdoor antenna is correctly pointed towards the nearest cell tower for your carrier. Use a signal mapping app for precise aiming.
- **Cable Connections:** Confirm all coaxial cable connections are tight and secure at both the outdoor antenna and the indoor booster unit.
- **Power Supply:** Ensure the booster unit is properly powered on and the power indicator light is active.

LCD Display Errors:

- **"OSC" or Overload Indicator:** This indicates oscillation due to insufficient isolation between antennas. Increase the separation distance or adjust the antenna's direction.
- **Low Signal Strength on Display:** The outdoor antenna might not be receiving a strong enough signal. Re-aim the antenna or consider a higher mounting location.

Intermittent Signal:

- **Loose Connections:** Check all cable connections.
- **Environmental Factors:** Heavy rain, snow, or dense foliage can temporarily affect signal strength.

For further assistance, please contact Atcall professional tech support.

SPECIFICATIONS

Feature	Detail
Model	SF005A
HVIN	SF005A
FCC ID	2A34B-SFZN005
Supported Bands	12/17, 13, 5, 2/25, 4/66
Supported Carriers	Verizon, AT&T, T-Mobile, Sprint, Straight Talk, and more

Feature	Detail
Coverage Area	Up to 6,000 Sq Ft
Max Gain	65dB
Special Features	Easy Installation, Upgraded Log-Periodic Antenna, All US Carriers, Coverage 6000 Sq. Ft, Real Time LCD Monitor
Package Dimensions	22 x 9.5 x 5 inches
Item Weight	7.24 pounds
Color	Super Link
Manufacturer	Atcall
Country of Origin	China
Date First Available	June 21, 2023

Package Contents



Booster(Built in Indoor Antenna)



Outside Antenna



Roof/Pole Mount Bracket



60ft of RG6 Cable



Power Supply

A close-up image of the FCC approval label on the back of the Atcall booster unit, showing HVIN: SF005A and FCC ID: 2A34B-SFZN005, confirming regulatory compliance.

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A close-up image of the ISED approval label on the back of the Atcall booster unit, showing IC: 28093-SFZN005, confirming regulatory compliance for Canada.

WARRANTY AND SUPPORT

The Atcall Cell Phone Booster is FCC Approved (HVIN: SF005A, FCC ID: 2A34B-SFZN005) and complies with all relevant standards.

For any questions or technical assistance, please contact our professional online tech support team.

