

## Atcall Fast Link

# Atcall Cell Phone Booster User Manual

Model: Fast Link

Brand: Atcall

[Introduction](#)   [Safety Information](#)   [Package Contents](#)   [Setup &](#)  
[Installation](#)   [Operation](#)   [Troubleshooting](#)   [Maintenance](#)   [Specifications](#)   [Support](#)

## 1. INTRODUCTION

The Atcall Fast Link Cell Phone Booster is designed to enhance cellular signal strength within your home, office, or other indoor spaces up to 5,000 sq ft. It supports all major Canadian carriers, including Bell, MTS, SaskTel, TELUS, Fido, and Rogers, across Band 12/17, 13, 5, 2/25, and 4/66, and is 5G compatible. This device aims to provide improved voice quality, fewer dropped calls, and faster data speeds by amplifying existing weak signals.



Figure 1 : Atcall Fast Link Cell Phone Booster Kit, including the booster unit, outdoor antenna, and cables.

**AtCall**

# **Boost Your Cell Signal Everywhere**



**No more  
dropped calls**



**Better Voice  
Quality**



**Fast Data  
Transfer**

Figure 2: The booster improves voice quality, reduces dropped calls, and enables faster data transfer.

# Boost 5G

Coverage Up to 5,000 Sq. Ft



Figure 3: The Atcall booster provides 5G compatible coverage up to 5,000 square feet.

## 2. SAFETY INFORMATION

Please read all safety warnings and instructions before installing and operating this device. Failure to follow these instructions may result in injury or damage to the product.

- Do not expose the booster or antennas to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- Use only the power supply provided with the unit.
- Ensure all cable connections are secure and properly tightened.

- Avoid placing the booster near heat sources or in enclosed spaces without adequate ventilation.
- Keep the device out of reach of children.
- This device must be operated in a fixed location for in-building use.

### 3. PACKAGE CONTENTS

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

- 1 x Signal Booster (Built-in Indoor Antenna)
- 1 x Outdoor Antenna
- 1 x 60ft Coaxial Cable
- 1 x Power Supply
- 1 x Mounting Kit (for roof/pole mount)
- 1 x User Manual (this document)

# Package Contents



Figure 4: Visual representation of all components included in the Atcall Fast Link Cell Phone Booster package.

## 4. SETUP & INSTALLATION

Follow these steps for a hassle-free installation. No technical experience is required.

### 4.1 Pre-Installation: Check Signal Strength

Before installation, it is crucial to identify the strongest outdoor signal. Use your smartphone to check signal strength in different outdoor locations, especially on your roof or highest point. You can use field test mode on your phone:

- **For iPhone:** Dial \*3001#12345#\* then press the call button. Navigate to 'All Metrics' and then 'Serving Cell Info' to check 'Band Info'.
- **For Android:** Download a signal strength app like "Network Cell Info Lite" to check 'GAUGE' and 'BAND' information.

Aim for a signal strength between -50 dBm and -80 dBm for optimal performance. A signal weaker than -100 dBm may not be sufficient for the booster to operate effectively.

## 4.2 Outdoor Antenna Installation

Install the outdoor antenna at the highest point possible, such as a roof or pole, where the signal is strongest. Point the antenna towards the nearest cell tower. Ensure it is securely mounted using the provided mounting kit.

## 4.3 Booster Unit (Indoor Antenna) Placement

The booster unit has a built-in indoor antenna. Place the booster in a central location within your home where you need improved signal. For best performance and to prevent oscillation, maintain a significant separation distance between the outdoor antenna and the indoor booster unit.

# Installation Instruction

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

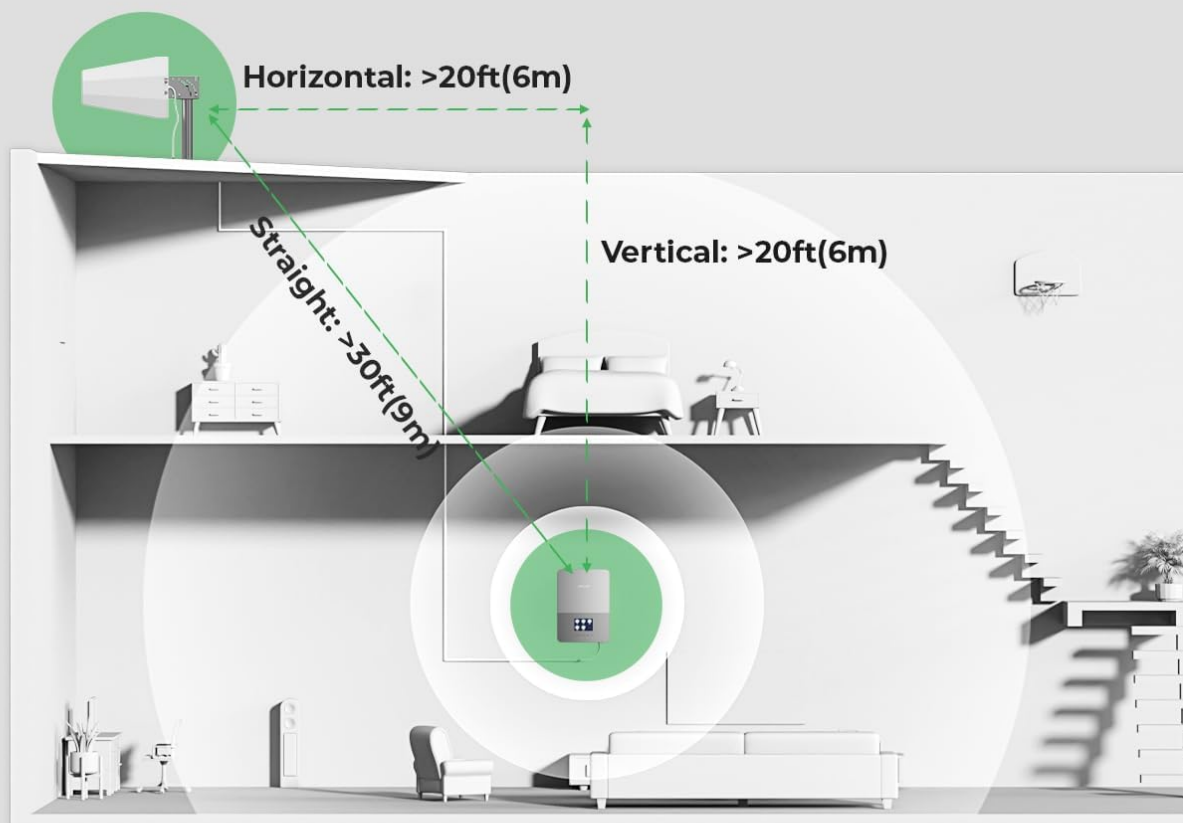


Figure 5: For optimal performance, maintain a horizontal distance of >20ft (6m) and a vertical distance of >20ft (6m) between the outdoor antenna and the indoor booster unit. A straight-line distance of >30ft (9m) is recommended.

## 4.4 Cable Connections

1. Connect one end of the 60ft coaxial cable to the outdoor antenna.
2. Route the cable indoors and connect the other end to the 'Outdoor' port on the Atcall booster unit.
3. Ensure all connections are finger-tight.

## 4.5 Powering On

Connect the power supply to the booster unit and then plug it into a standard electrical outlet. The booster will power on, and the LCD display will illuminate.



## 5. OPERATING INSTRUCTIONS

The Atcall Fast Link booster features an HD LCD display for real-time monitoring and easy troubleshooting.

### 5.1 Understanding the LCD Display

The LCD screen provides critical information about the booster's status and signal strength for each supported frequency band.



Figure 6: The HD LCD display shows real-time downlink signal strength (dBm), working status (NORM/OSC), frequency band, uplink gain, and downlink gain. It also allows for band switching and power control.

- **Signal Strength (dBm):** Indicates the strength of the received signal for each band. A higher (less

negative) number means a stronger signal.

- **Working Status:** Displays 'NORM' for normal operation or 'OSC' if oscillation is detected.
- **Frequency Band:** Shows the specific cellular band being boosted (e.g., Band 12/17, Band 13).
- **Uplink/Downlink Gain:** Shows the amplification level for signals going to and from the cell tower.

## 5.2 Automatic Gain Control (AGC)

The booster is equipped with an Automatic Gain Control (AGC) system. This intelligent technology automatically detects the existing signal strength and adjusts the booster's output power to ensure stable performance and prevent overload, optimizing signal amplification without causing interference.

## 5.3 Carrier Compatibility

The Atcall Fast Link booster is compatible with all major Canadian carriers and their respective frequency bands, ensuring broad usability across the country.

# Compatible with All **Canadian** Carriers

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

Supports multiple users and devices at the same time



Figure 7: The booster supports Bell, MTS, SaskTel, TELUS, and Fido, among other Canadian carriers.

## 6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
No Signal Improvement / Weak Signal	Outdoor antenna not receiving strong enough signal; incorrect antenna direction; cables loose.	Verify outdoor antenna placement and direction towards the nearest cell tower. Ensure all cable connections are secure. Check the LCD display for input signal strength.
LCD shows 'OSC' (Oscillation)	Insufficient isolation between outdoor and indoor antennas.	Increase the physical separation distance between the outdoor antenna and the booster unit (indoor antenna). Ensure they are not facing each other directly. Refer to Figure 5 for recommended distances.
Booster is Off / No Display	Power supply issue; unit not plugged in.	Check if the power adapter is securely connected to the booster and the power outlet. Try a different outlet.
Specific Band Not Boosting	Weak or no signal on that specific band from the outdoor antenna.	Check the LCD display for the signal strength of the problematic band. Adjust outdoor antenna direction or relocate if necessary to capture a stronger signal on that band.

## 6.1 ISED Approval

The Atcall Cell Phone Booster (HVIN: SF005A, IC: 28093-SFZN005) complies with all requirements of the standards applied by Innovation, Science and Economic Development (ISED) Canada. This ensures the device operates safely and effectively within Canadian regulatory guidelines.

# ISED Approved

Compliant with all the requirements of FCC&IC Certification.



Figure 8: The ISED approval label on the Atcall booster, indicating compliance with Canadian regulations.

## 7. MAINTENANCE

The Atcall Cell Phone Booster requires minimal maintenance to ensure long-term performance:

- **Cleaning:** Use a soft, dry cloth to wipe the booster unit and antennas. Do not use liquid cleaners or aerosols.
- **Cable Inspection:** Periodically check all coaxial cable connections for tightness and ensure there is no damage to the cables.
- **Antenna Stability:** Ensure the outdoor antenna remains securely mounted and its direction has not



shifted due to weather or other factors.

## 8. SPECIFICATIONS

Feature	Detail
Model	Fast Link
Supported Frequency Bands	Band 12/17, 13, 5, 2/25, 4/66
Coverage Area	Up to 5,000 sq ft
Max Gain	65dB
Compatible Carriers	All Canadian Carriers (Bell, MTS, SaskTel, TELUS, Fido, Rogers, etc.)
5G Compatible	Yes
Special Features	HD LCD Display, Automatic Gain Control (AGC)
ISED Approval	HVIN: SF005A, IC: 28093-SFZN005
Item Weight	2.9 kg
Connector Type	F Type

## 9. CUSTOMER SUPPORT

Atcall is committed to providing reliable cellular signal solutions. If you encounter any issues or have questions regarding your Fast Link Cell Phone Booster, please do not hesitate to contact our professional customer support team. We are available to assist you.

For support, please refer to the contact information provided with your product packaging or visit the official Atcall website.