

ANTOP AT-500SBS

ANTOP AT-500SBS HD Smart Bar HDTV & FM Amplified Antenna User Manual

INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your ANTOP AT-500SBS HD Smart Bar HDTV & FM Amplified Antenna. Please read this manual thoroughly before use to ensure proper setup and optimal performance.

PACKAGE CONTENTS

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

- ANTOP AT-500SBS HD Smart Bar Antenna
- Smart Boost System Power Booster
- Power Adapter (DC 12V)
- Coaxial Cable (15 ft)
- FM Antenna Adapter
- Table Stand
- Instruction Manual (this document)



Image 1: ANTOP AT-500SBS HD Smart Bar Antenna with all components, including the antenna unit, Smart Boost System power booster, power adapter, coaxial cable, and FM antenna adapter.

SETUP INSTRUCTIONS

1. **Connect the Antenna:** Connect the coaxial cable from the ANTOP AT-500SBS antenna to the "ANT. IN" port on the Smart Boost System Power Booster.
2. **Connect to TV/FM Device:** Connect a coaxial cable (not included, or use the provided 15ft cable if connecting directly to TV) from the "TV/FM/Device" output port on the Power Booster to the ANT/IN or CABLE IN port on your television or FM stereo receiver. If connecting to two devices, use the two output ports labeled "TV" and "FM/Device".
3. **Power the Booster:** Plug the DC 12V power adapter into the "DC 12V" input on the Power Booster, then plug the adapter into a standard electrical outlet. The LED indicator on the Power Booster will illuminate.
4. **Scan for Channels:** Access your television's setup menu, select "Antenna" or "Air" as the input source, and perform an automatic channel scan. Refer to your TV's manual for specific instructions on channel scanning.

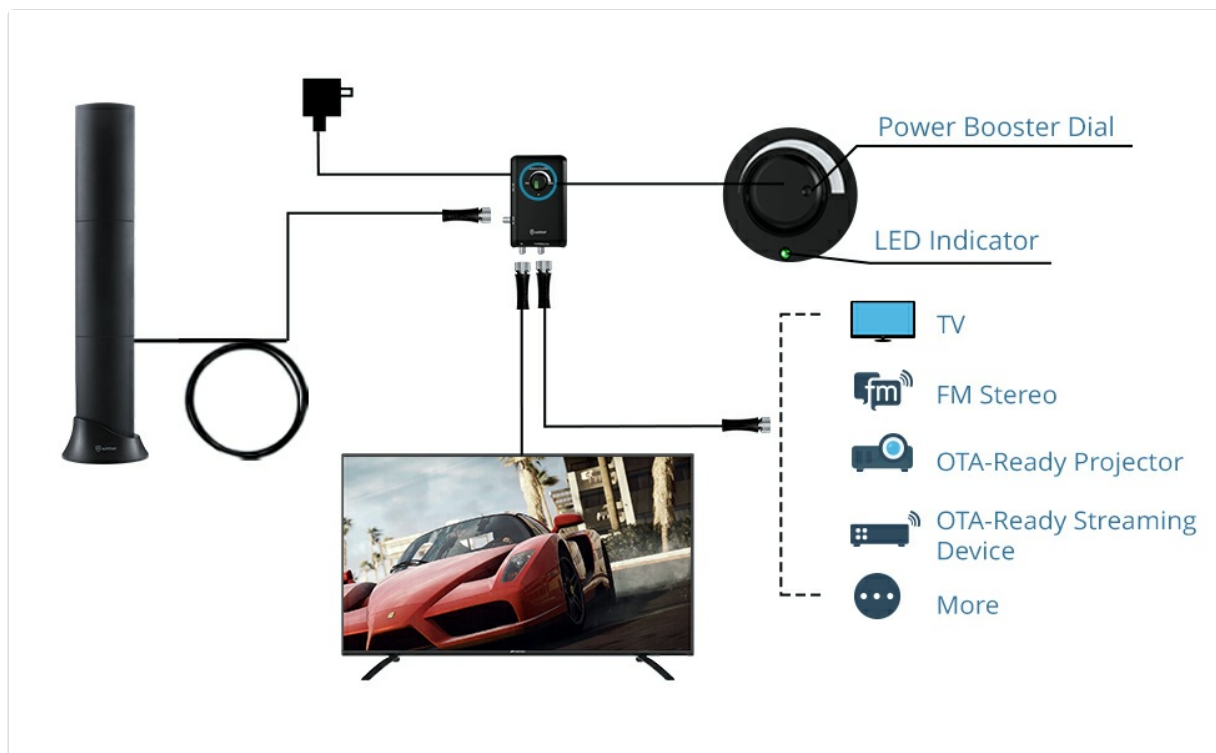


Image 2: Connection diagram illustrating how to connect the ANTOP antenna to the Smart Boost System Power Booster and then to a television or FM stereo receiver.

OPERATING INSTRUCTIONS

Smart Boost System

The Smart Boost System Power Booster features an adjustment dial to fine-tune the antenna's gain. This allows for optimization of signal reception based on your location and signal strength.

- To **increase gain** (for weaker signals), turn the dial clockwise.
- To **reduce gain** (for stronger signals to prevent over-amplification), turn the dial counter-clockwise.

Built-in 4G LTE Filter

The antenna includes a built-in 4G LTE Filter. This filter is designed to block interference from 3G and 4G wireless signals, which can cause picture pixelation and signal loss, ensuring clearer digital TV reception.

Multi-Directional Reception

The ANTOP AT-500SBS antenna is engineered with a multi-directional reception pattern, allowing it to receive signals from various directions without needing to be constantly re-positioned. It provides a signal reception range of up to 80 miles under ideal conditions.

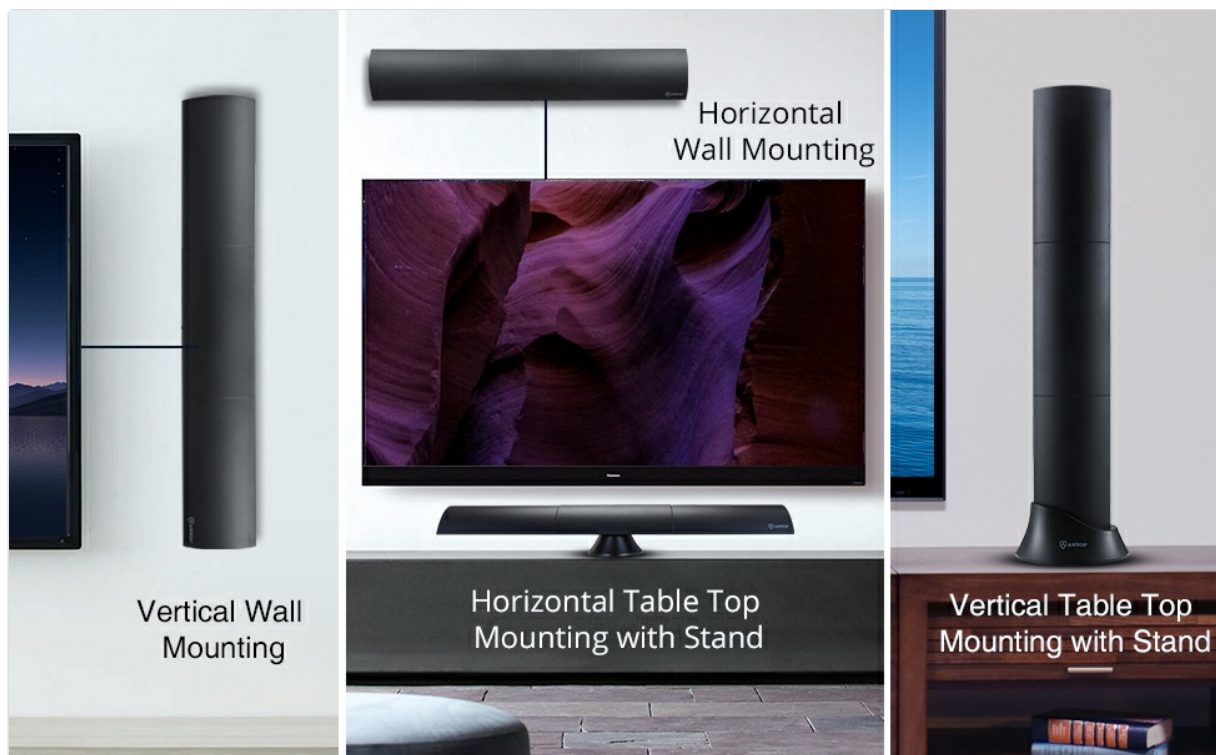


Image 3: Detailed view of the Smart Boost System Power Booster, highlighting the gain adjustment dial and the function of the built-in 4G LTE Filter.

ANTENNA PLACEMENT

Optimal antenna placement is crucial for maximizing signal reception. The ANTOP AT-500SBS offers flexible mounting options:

- **Horizontal Wall Mounting:** The antenna can be mounted horizontally on a wall, typically above or near your television.
- **Vertical Wall Mounting:** The antenna can also be mounted vertically on a wall.
- **Horizontal Table Top Mounting:** Use the included stand to place the antenna horizontally on a flat surface, such as a TV stand or shelf.
- **Vertical Table Top Mounting:** Use the included stand to place the antenna vertically on a flat surface.

Consider the following for best results:

- Place the antenna as high as possible.
- Position the antenna towards the broadcast towers in your area. Websites like [FCC DTV Reception Maps](#) can help identify tower locations.
- Avoid placing the antenna near large metal objects or other electronic devices that may cause interference.
- Experiment with different orientations (horizontal vs. vertical) and locations to find the best reception for your specific environment.







Image 4: The ANTOP AT-500SBS antenna displayed in a vertical orientation, suitable for tabletop placement using the included stand or vertical wall mounting.



Image 5: Example of the ANTOP AT-500SBS antenna horizontally mounted on a wall above a television in a typical living room setup.

TROUBLESHOOTING

- **No Signal/Poor Picture Quality:**

- Ensure all connections are secure between the antenna, power booster, and TV.
- Verify the power adapter is correctly plugged in and the LED on the power booster is illuminated.
- Adjust the gain dial on the Smart Boost System. Turning it clockwise increases gain, counter-clockwise decreases it.
- Reposition the antenna. Try different locations and orientations (horizontal/vertical, higher up, closer to a window).
- Perform a new channel scan on your TV after any adjustments.
- Check for local broadcast tower locations using online resources and aim the antenna in that

general direction.

- **Missing Channels:**

- Ensure your TV's input is set to "Antenna" or "Air".
- Perform a full channel scan.
- Adjust antenna placement and re-scan.
- Some channels may be too far or obstructed for reliable reception.

- **Interference from Mobile Signals:**

- The built-in 4G LTE filter helps mitigate this. If issues persist, try moving the antenna away from mobile phones or cellular devices.

SPECIFICATIONS

Feature	Detail
Brand	ANTOP
Model Number	AT-500SBS
Item Weight	3.74 pounds
Product Dimensions	29.65"L x 3.82"W x 29.65"H (Antenna)
Color	White (Note: Product images show a black unit, but specifications list white. Please refer to your product packaging for the exact color.)
Special Features	Full HD, High Gain, Long Range, Multidirectional, Signal Booster
Impedance	75 Ohm
Maximum Range	80 Miles
UPC	853042007366
Date First Available	July 18, 2021

MAINTENANCE

To ensure the longevity and optimal performance of your ANTOP AT-500SBS antenna:

- **Cleaning:** Wipe the antenna and power booster with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Environment:** Keep the antenna in a dry environment. Avoid exposure to extreme temperatures or direct moisture.
- **Cable Management:** Ensure coaxial cables are not kinked or pinched, which can degrade signal quality.

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official ANTOP website or contact their customer service directly. Keep your purchase receipt for warranty claims.