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> ANTOP HD Smart Boost Antenna Amplifier SBS-602B User Manual

ANTOP SBS-602B

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Model: SBS-602B | Brand: ANTOP

INTRODUCTION

The ANTOP HD Smart Boost Antenna Amplifier SBS-602B is designed to enhance the reception of over-the-air (OTA) television signals. This amplifier boosts both VHF and UHF signals, improving signal strength and channel availability for passive TV antennas. It features a Smart Boost dial for adjustable reception power and dual outputs for connecting multiple devices.

PRODUCT COMPONENTS

Familiarize yourself with the components of your ANTOP HD Smart Boost Antenna Amplifier:

- **Power Booster Dial:** Adjusts the amplification level.
- **LED Indicator:** Illuminates green when powered on.
- **ANT. IN:** Input for connecting your passive antenna.
- **DC 12V:** Power input jack.
- **TV Output:** Output for connecting to your primary television.
- **TV/FM/Device Output:** Secondary output for connecting to another TV, FM stereo, or OTA-ready streaming device.

Product Details



1 Power Booster Dial

2 A Secondary Device Output

3 ANT. Input

4 Power Indicator: Green LED

5 TV Output

6 DC Jack

Figure 1: Exploded view of the ANTOP HD Smart Boost Antenna Amplifier showing internal and external components.

SETUP INSTRUCTIONS

Follow these steps to set up your ANTOP HD Smart Boost Antenna Amplifier:

- 1. Connect Antenna:** Connect your passive TV antenna to the "ANT. IN" port on the amplifier.
- 2. Connect to TV:** Use a coaxial cable to connect the "TV Output" port on the amplifier to the antenna input on your primary television.
- 3. Connect Secondary Device (Optional):** If desired, use a second coaxial cable to connect the "TV/FM/Device Output" port to another TV, FM stereo, or OTA-ready streaming device.
- 4. Power On:** Connect the provided DC 12V power adapter to the amplifier's "DC 12V" jack and plug it into a power outlet. The LED indicator should illuminate green.
- 5. Channel Scan:** Perform a channel scan on your television. Refer to your TV's instruction manual for how to perform a channel scan.



New Smart Boost System

Brand New Multi-Device Adjustable Antenna Amplifying System



Figure 2: Connection diagram for the ANTOP HD Smart Boost Antenna Amplifier with dual outputs.

OPERATING INSTRUCTIONS

The ANTOP HD Smart Boost Antenna Amplifier features an adjustable power booster dial to optimize signal reception.

- **Increase Gain:** To increase the signal amplification (gain), turn the Power Booster Dial clockwise towards "MAX".
- **Reduce Gain:** To reduce the signal amplification, turn the Power Booster Dial counter-clockwise towards "MIN".

After each adjustment of the Smart Boost dial, it is recommended to re-scan the channels on your television to find all available channels and ensure optimal reception.

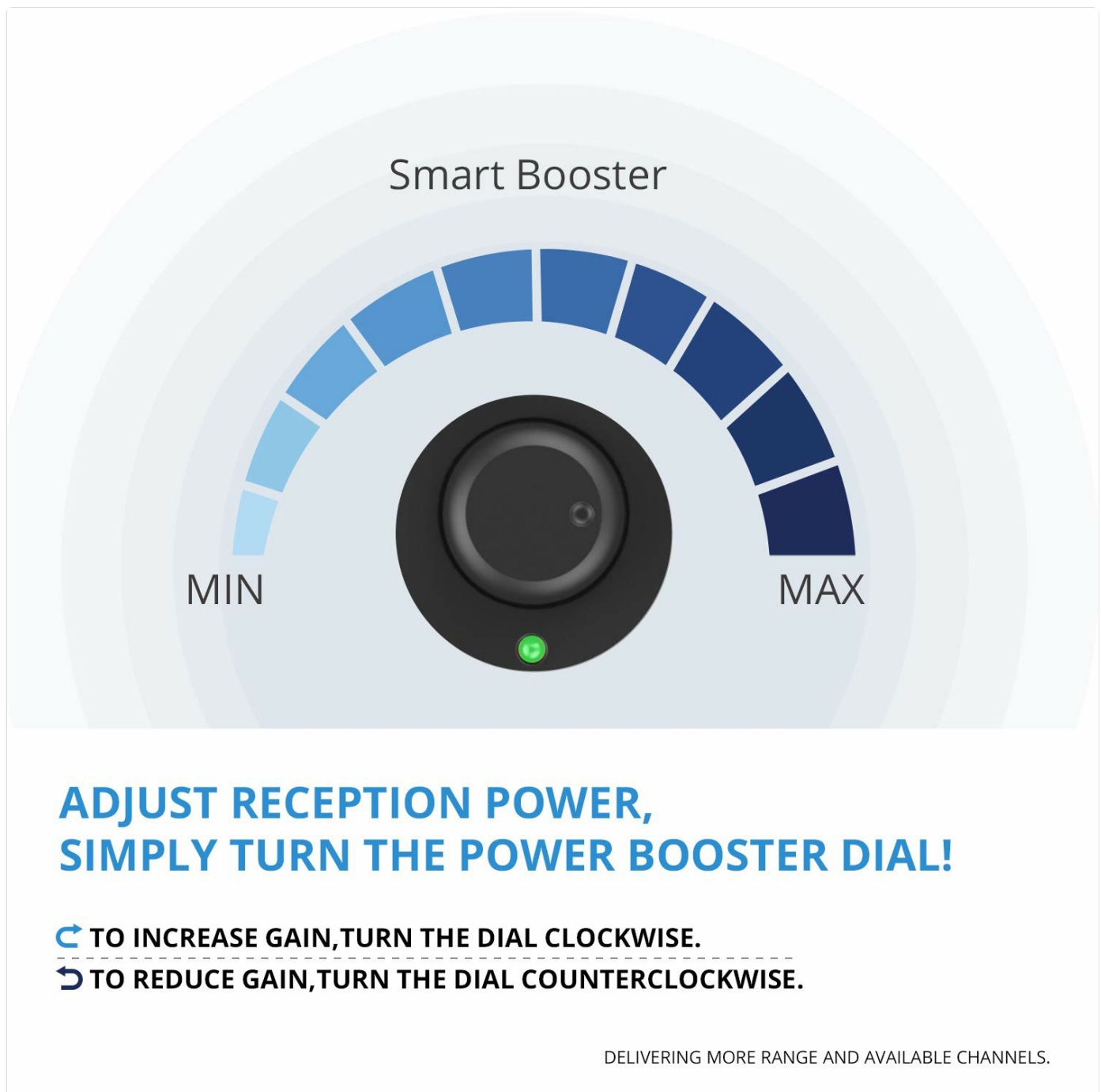
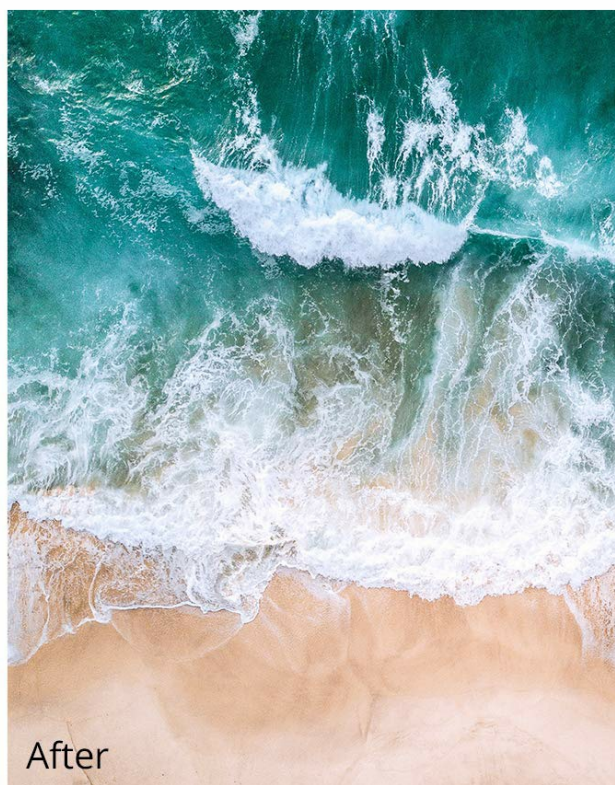
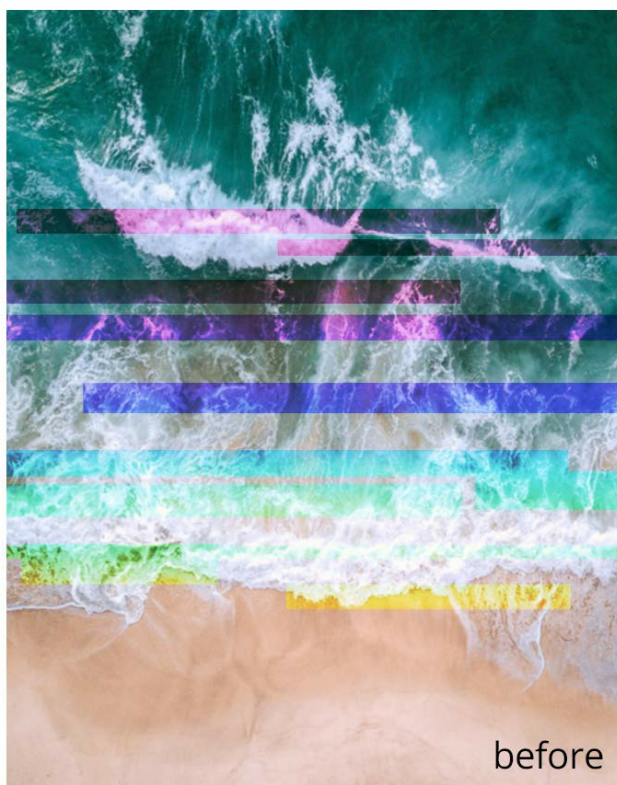


Figure 3: Smart Booster dial for adjusting reception power.

KEY FEATURES

- **Smart Boost Technology:** Allows adjustment of antenna reception power for VHF and UHF signals, delivering more range and available channels.
- **Universal Compatibility:** Designed to work with any non-amplified/passive TV antenna.
- **Dual Outputs:** Connects to a primary TV and a second device (FM stereo, second TV, or OTA-ready streaming device) simultaneously.
- **Built-in 4G LTE Filter:** Blocks 3G and 4G wireless signals to ensure noise-free digital TV reception, preventing interference from mobile phone signals.

Built-in 4G/LTE Filter



Shields against interference.
Reduces picture pixelation.



Block 3G and 4G wireless signals to
ensure noise-free digital TV reception.



Figure 4: Illustration of the 4G LTE Filter's effect on signal clarity.

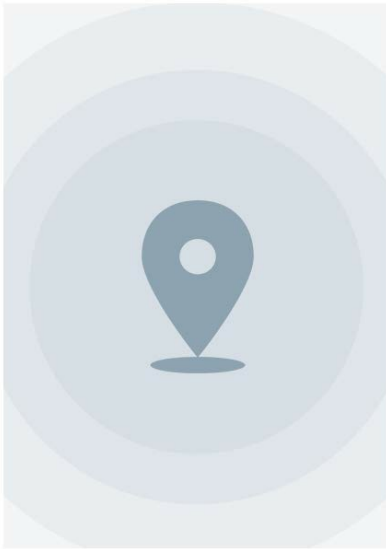
IMPORTANT NOTES AND TIPS

- Re-scan channels after each adjustment of the Smart Boost dial.
- Scan channels monthly to discover all available channels, including newly added or changed ones.
- Do not place or conceal your antenna or the amplifier inside or behind any metallic objects, as this can impede signal reception.
- Keep your antenna away from high-power consumption devices to avoid signal interference.
- Using an amplifier strengthens the signal of available channels but does not guarantee more TV channels.
- The number of channels and reception quality depend on factors such as distance from broadcast towers, local signal strength, building materials, antenna placement, and interference from other electronics.
- If the signal is already very strong, using this amplifier is not recommended. The amplifier may cause self-oscillations and result in fewer signals received. In such cases, try moving your antenna to a different location for a more stable signal.
- For optimal reception, experiment with moving and rotating the antenna to different locations.

- The Smart Boost Amplifier should not be used with an antenna that already has a built-in amplifier.

Friendly note:

1. Using an amplifier does not guarantee that you will receive more TV channels but it will strengthen the signal of available channels in your area.



2. The number of channels and the reception quality you receive will vary based on distance from broadcast towers antenna position and obstacles including hills buildings and trees.

3. We do not recommend to using this amplifier if the signal is already very strong. The amplifier may cause self-oscillations and result in fewer signals received, you can try to move your antenna to get more stable signal.



Figure 5: Visual summary of important usage notes.

TROUBLESHOOTING

If you experience issues with your ANTOP HD Smart Boost Antenna Amplifier, consider the following:

- **No Signal/Poor Reception:**
 - Ensure all connections are secure between the antenna, amplifier, and TV.
 - Verify the amplifier is powered on (green LED indicator).
 - Adjust the Smart Boost dial and perform a channel scan after each adjustment.
 - Reposition your antenna. Try different locations and orientations.
 - Check for potential interference from other electronic devices or metallic objects.
 - If your antenna is already amplified, remove the ANTOP amplifier.

• **Fewer Channels After Installation:**

- Ensure you performed a full channel scan after installation.
- If you live in an area with very strong signals, the amplifier might be over-amplifying. Try reducing the gain with the dial or removing the amplifier to see if reception improves.

• **No Power:**

- Check that the power adapter is securely plugged into both the amplifier and a working electrical outlet.
- Ensure the outlet is functional.

SPECIFICATIONS

Feature	Detail
Model	SBS-602B
Item Dimensions (L x W x H)	2.76 x 2.76 x 0.79 inches
Maximum Supply Voltage	12 Volts (DC)
Output Power	98 Volts
Mounting Type	Freestanding
Number of Channels	1 (Input)
UPC	677222506094

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your product packaging or visit the official ANTOP website. Keep your purchase receipt for warranty claims.

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