

Boomboost AV252

BOOMBOOST AV252 Car Stereo User Manual

Model: AV252

1. PRODUCT OVERVIEW

The BOOMBOOST AV252 is a versatile 12V car audio system designed to enhance your in-car entertainment and communication. It integrates an MP3 player, FM radio, built-in speakers, and Bluetooth connectivity for hands-free calls and audio streaming. Its design features a central volume knob and intuitive controls, making it user-friendly.

Key Features:

- **Internal Magnetic Speakers:** Equipped with high-fidelity waterproof internal magnetic speakers for clear audio output.
- **Bluetooth Hands-Free:** Built-in V3.0+ERD Bluetooth chip with a high-definition noise reduction microphone for clear two-way voice calls. Supports answering, hanging up, and rejecting calls directly from the unit.
- **Aux Audio Input:** Allows connection of external audio devices such as navigators, MP3/MP5 players, or mobile phones to play music through the car stereo's speakers.
- **FM Radio Function:** Features an FM radio (87.5MHz-108.00MHz in Europe) with high-quality digital stereo, supporting automatic, semi-automatic, and accurate manual channel searching.
- **USB Charging Support:** USB interfaces provide charging capability for most mobile phones, allowing simultaneous music playback and device charging.

2. COMPONENTS AND CONTROLS

Familiarize yourself with the various parts and controls of your BOOMBOOST AV252 car stereo.



Figure 2.1: Front view of the BOOMBOOST AV252 Car Stereo, showing the central display, control buttons, and integrated speakers.



Figure 2.2: Detailed view of the front panel with numbered controls for easy identification.

Front Panel Controls:

1. **Power switch/Pause/Mute/Bluetooth phone button:** Controls power, pauses playback, mutes audio, and manages Bluetooth calls.
2. **AUX port/Next button/+10:** 3.5mm auxiliary input, also functions as next track and +10 track skip.

3. **Volume knob:** Rotates to adjust volume.
4. **USB interface:** For USB drive playback and charging.
5. **TF card slot:** For TransFlash (microSD) card playback.
6. **Random (RDM) button/Number 4:** Activates random playback mode, also functions as number 4 preset.
7. **Mode/Band switch button:** Switches between audio sources (FM, AUX, USB, SD, Bluetooth) and FM bands.
8. **Repeat (RPT) button/Number 3:** Activates repeat playback mode, also functions as number 3 preset.
9. **Next button/+10:** Skips to the next track or advances by 10 tracks.
10. **Display:** Shows current frequency, time, and other information.
11. **Previous button/-10:** Skips to the previous track or goes back by 10 tracks.
12. **INT button/Number 1:** Initiates intro scan, also functions as number 1 preset.
13. **AMS/Clock button:** Automatic memory store for radio stations, also sets the clock.
14. **EQ button/Number 2:** Adjusts equalizer settings, also functions as number 2 preset.

3. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance of your car stereo. Please follow these instructions carefully.

Wiring Diagram:

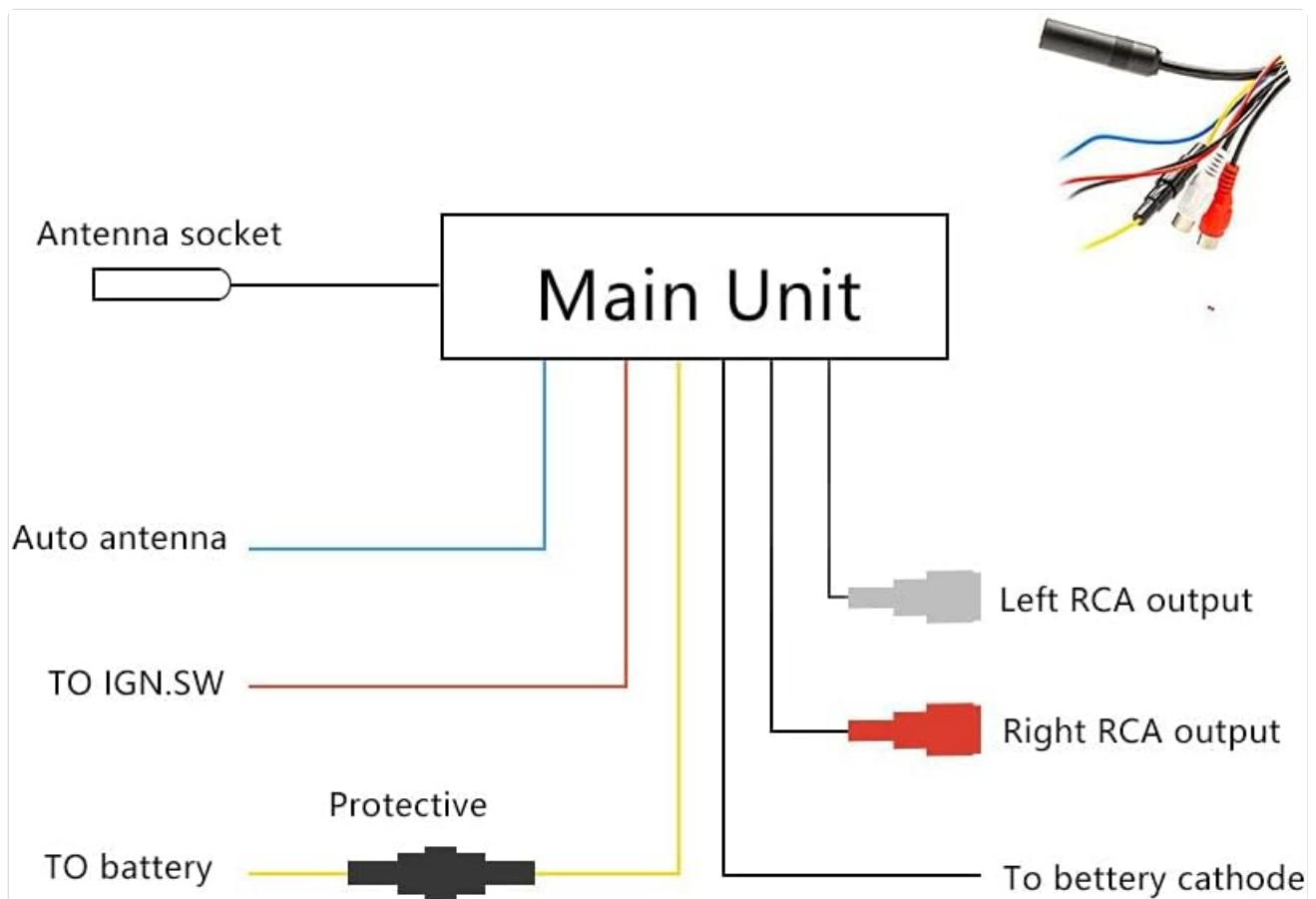


Figure 3.1: Wiring connections for the BOOMBOOST AV252. Ensure correct polarity and secure connections.

- **Red and Yellow Wires:** The red and yellow cables must be connected to a 12V positive power source simultaneously for the car radio to power on.
- **Black Wire:** Connect to vehicle ground.
- **Antenna Socket:** Connect your car's antenna to this socket.
- **RCA Outputs:** Left and Right RCA outputs for connecting to external amplifiers if desired.

Installation Steps:

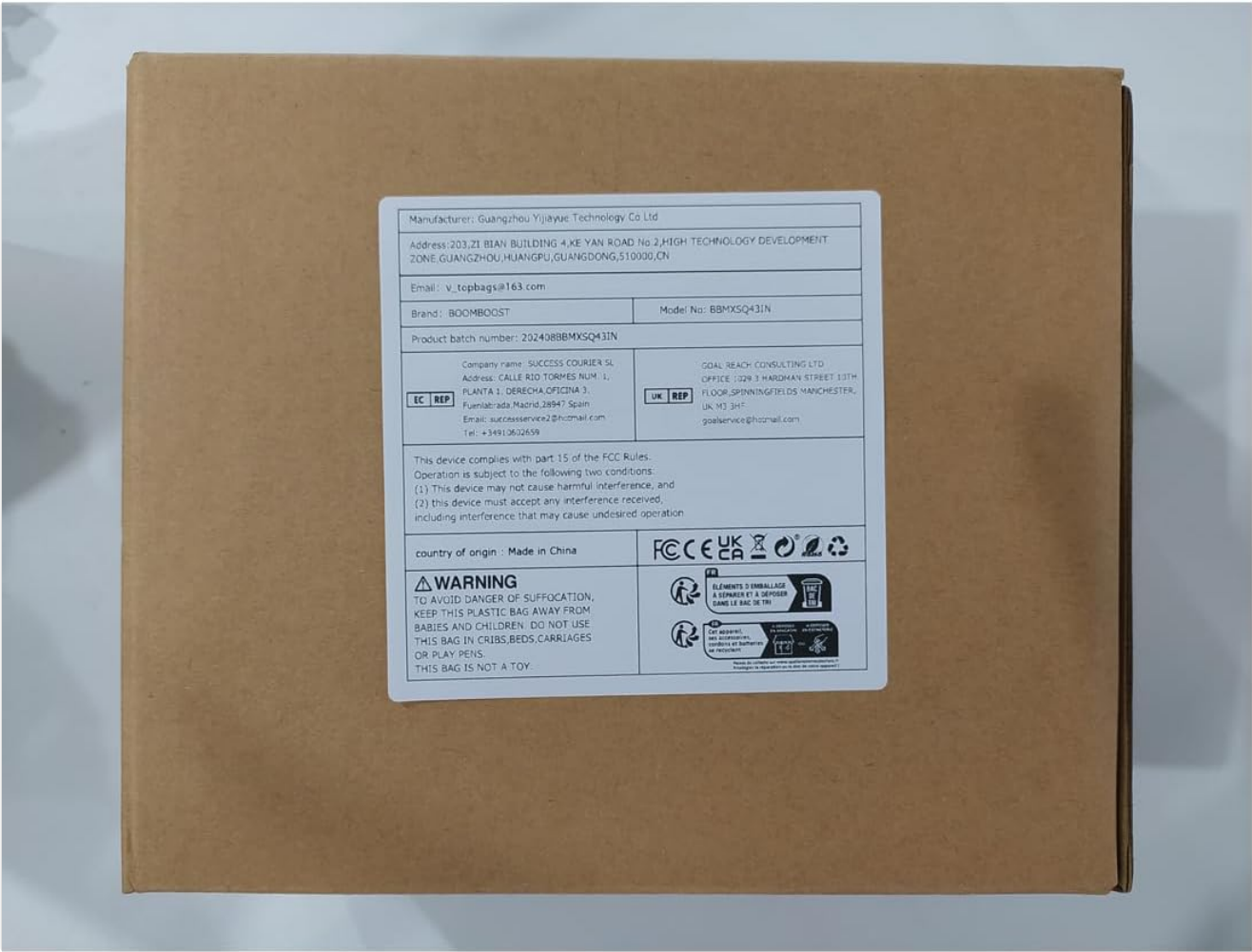


Figure 3.2: Step-by-step visual guide for installing the car stereo into the dashboard.

1. Remove the existing car stereo or blank panel from the dashboard.
2. Insert the metal mounting sleeve into the dashboard opening.
3. Secure the mounting sleeve using the provided tools or tabs.
4. Connect the wiring harness from the car to the stereo's connectors.
5. Carefully slide the car stereo into the mounting sleeve until it clicks into place.
6. Ensure all connections are secure and test the unit before fully reassembling the dashboard.

4. OPERATING INSTRUCTIONS

This section details how to operate the various functions of your BOOMBOOST AV252 car stereo.

4.1. Power On/Off and Volume Control

- **Power On/Off:** Press the **Power/Mute** button (1) to turn the unit on or off.
- **Volume Adjustment:** Rotate the **Volume knob** (3) clockwise to increase volume and counter-clockwise to decrease.
- **Mute:** Briefly press the **Power/Mute** button (1) to mute or unmute the audio.

4.2. FM Radio Operation

- **Select FM Mode:** Press the **Mode/Band** button (7) until 'FM' is displayed.

- **Auto Scan:** Press and hold the **AMS/Clock** button (13) to automatically scan and store strong stations.
- **Manual Tuning:** Use the **Previous** (11) or **Next** (9) buttons to fine-tune the frequency.
- **Preset Stations:** Briefly press number buttons (1-4) to select stored preset stations.

4.3. Bluetooth Pairing and Hands-Free Calling

- **Pairing:** Ensure Bluetooth is enabled on your mobile device. Select 'BT' mode on the stereo using the **Mode/Band** button (7). Search for 'AV252' or 'BOOMBOOST' on your phone's Bluetooth settings and connect.
- **Answering/Ending Calls:** Press the **Bluetooth phone button** (1) to answer an incoming call or end an ongoing call.
- **Rejecting Calls:** Press and hold the **Bluetooth phone button** (1) to reject an incoming call.

4.4. USB/SD Card Playback

Details highlight quality quality determination attitude



CHARACTERISTIC DESIGN

Characteristic function design In the middle is a big round knob that regulates the volume. The knob is a circular display screen. Make the machine fit with the car. Metal feel knob with circular display is very dazzling.

Dustproof design of SD/USB

Fine nickel plated knob



Figure 4.1: Various input ports including USB, SD card slot, and AUX interface.

- **Insert Media:** Insert a USB drive into the **USB interface** (4) or a TF (microSD) card into the **TF card slot** (5). The unit will automatically switch to USB/SD mode and begin playback.
- **Navigation:** Use the **Previous** (11) and **Next** (9) buttons to skip tracks.
- **Random Playback:** Press the **Random (RDM)** button (6) to enable random track playback.
- **Repeat Playback:** Press the **Repeat (RPT)** button (8) to repeat the current track.

4.5. AUX Input Usage

- **Connect Device:** Plug your external audio device (e.g., smartphone, MP3 player) into the **AUX port** (2) using a 3.5mm audio cable.

- **Select AUX Mode:** Press the **Mode/Band** button (7) until 'AUX' is displayed.
- **Control Playback:** Control playback (play/pause, skip tracks) directly from your connected external device.

4.6. USB Charging

- Connect your mobile phone's USB charging cable to the **USB interface** (4) on the car stereo. The unit will provide power to charge your device.

5. MAINTENANCE

To ensure the longevity and optimal performance of your BOOMBOOST AV252 car stereo, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the unit's surface. For stubborn dirt, slightly dampen the cloth with water. Avoid using harsh chemicals, solvents, or abrasive cleaners, as they can damage the finish.
- **Dust Prevention:** Regularly clean around the buttons and ports to prevent dust buildup, which can affect functionality.
- **Temperature:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or high humidity.
- **Connections:** Periodically check all wiring connections to ensure they are secure and free from corrosion.

6. TROUBLESHOOTING

If you encounter issues with your BOOMBOOST AV252, refer to the following common problems and their solutions:

Problem	Possible Cause	Solution
Unit does not power on.	Incorrect wiring; no power supply.	Ensure both red and yellow power wires are connected to a 12V positive source. Check ground connection. Verify vehicle's fuse.
No sound output.	Volume too low; speakers disconnected; incorrect source.	Increase volume. Check speaker wire connections. Ensure correct audio source is selected (FM, USB, AUX, BT).
Bluetooth connection fails.	Device not in pairing mode; interference.	Ensure stereo is in BT mode. Delete previous pairings on your phone and re-pair. Move closer to the unit.
Poor FM radio reception.	Antenna not connected; weak signal.	Check antenna connection. Try auto-scanning for stations again. Move to an area with better signal.
USB/SD card not recognized.	Unsupported format; corrupted media; faulty card/drive.	Ensure media is formatted to FAT32. Try a different USB drive or SD card. Check for supported audio file types (e.g., MP3).

7. SPECIFICATIONS

Detailed technical specifications for the BOOMBOOST AV252 Car Stereo.



Figure 7.1: Physical dimensions of the BOOMBOOST AV252 unit.

Feature	Specification
Model	AV252
Material	Plastic, Metal
Supply Voltage	12V
Tuner Technology	FM (87.5MHz-108.00MHz)
Compatible Devices	Speaker, Mobile Phone, MP3/MP5 Player, Navigator
Special Features	Built-In Bluetooth, FM Tuner, USB Charging
Audio Encoding	Stereo
Audio Output Mode	Stereo
Audio Output Type	Speakers
Speaker Surround Sound Channel Configuration	5.1
Output Wattage	5 Watts (Audio), 1E+2 Watts (Total)
Connector Type	USB, 3.5mm Jack
Item Model Number	8542140437
Parcel Dimensions	21.59 x 11 x 7.7 cm
Item Weight	422 g

