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## BOSS Audio Systems 455BRGB

# BOSS Audio Systems 455BRGB Car Stereo User Manual

Single DIN, Bluetooth, USB, AUX, AM/FM Receiver with Multicolor Illumination

## 1. Introduction

Thank you for purchasing the BOSS Audio Systems 455BRGB Car Stereo. This unit is designed to provide high-quality audio entertainment and hands-free communication in your vehicle. It features Bluetooth connectivity for audio streaming and calls, USB and AUX inputs for versatile media playback, and an AM/FM radio tuner. The multicolor illumination allows for personalization of your dashboard aesthetics.




*Figure 1.1: BOSS Audio Systems 455BRGB Digital Media Receiver.*
This image displays the BOSS Audio Systems 455BRGB car stereo unit, highlighting its sleek design and digital display. The branding 'BOSS Audio Systems ELITE' is visible, along with the model number '455BRGB' and the description 'MP3-COMPATIBLE DIGITAL MEDIA AM/FM RECEIVER'.

## 2. Safety Information

Please read all instructions carefully before installation and operation. Failure to follow these instructions may result in personal injury or damage to the unit or vehicle.

- **Professional Installation Recommended:** Due to the complexity of car audio systems, professional installation is strongly encouraged to ensure proper and safe functionality.
- **Power Source:** Connect the unit only to a 12V DC negative ground electrical system.
- **Wiring:** Ensure all wiring is correctly connected according to the wiring diagram to prevent short circuits or damage.
- **Driving Safety:** Do not operate the unit in a way that distracts you from driving. Always keep your eyes on the road.
- **Volume Level:** Keep the volume at a level where you can still hear outside traffic sounds.

## 3. Package Contents

Verify that all items are present in the package before proceeding with installation.

- BOSS Audio Systems 455BRGB Car Stereo Unit
- Power Harness
- User Manual (this document)
- Mounting Hardware (brackets, screws)




*Figure 3.1: Included Components.*

This image displays the BOSS Audio Systems 455BRGB car stereo unit along with its included accessories: a wiring harness, mounting brackets, and screws, all laid out on a white surface.

## 4. Installation

Proper installation is crucial for optimal performance and safety. If you are unsure about any step, consult a qualified professional installer.

### 4.1. Preparation

1. Disconnect the vehicle's negative battery terminal to prevent electrical shorts.

2. Remove the existing car stereo from the dashboard.
3. Check the available space in the dashboard for the new unit. The 455BRGB is a Single DIN unit.




*Figure 4.1: Compact Size for Easy Installation.*

This image illustrates the compact dimensions of the BOSS Audio Systems 455BRGB car stereo. The unit is shown with its height (H 2.28" / 58mm), depth (D 3.94" / 100mm), and width (W 7.4" / 188mm) clearly marked, indicating its suitability for single-DIN dashboard openings.

## 4.2. Wiring Connections

Use the provided power harness to connect the unit to your vehicle's electrical system. Refer to your vehicle's wiring diagram for specific wire functions.

**Typical Wiring Connections**

| Wire Color | Function |
|---|---|
| Yellow | Constant 12V (Battery) |
| Red | Accessory 12V (Ignition) |

| Wire Color | Function |
|---|---|
| Black | Ground |
| Blue | Power Antenna / Amplifier Remote Turn-On |
| Speaker Wires (e.g., White, Gray, Green, Purple pairs) | Connect to vehicle's speakers (Front Left, Front Right, Rear Left, Rear Right) |

### 4.3. Mounting the Unit

1. Slide the metal mounting sleeve into the dashboard opening until it locks into place.
2. Connect all wiring harnesses to the rear of the stereo unit.
3. Carefully slide the stereo unit into the mounting sleeve until it clicks securely.
4. Reconnect the vehicle's negative battery terminal.

## 5. Operating Instructions

### 5.1. Basic Operations

- **Power On/Off:** Press the **PWR** button (usually the volume knob) to turn the unit on or off.
- **Volume Control:** Rotate the **VOLUME** knob clockwise to increase volume, counter-clockwise to decrease.
- **Mode Selection:** Press the **MODE** button to cycle through available sources: Radio (AM/FM), Bluetooth, USB, AUX.
- **Mute:** Press the **MUTE** button to temporarily silence the audio. Press again to restore.

### 5.2. Bluetooth Operation

The 455BRGB supports Bluetooth for hands-free calling and audio streaming.




*Figure 5.1: Bluetooth and Audio Streaming Icons.*

These icons represent the Bluetooth connectivity and audio streaming capabilities of the device, indicating support for wireless audio playback and hands-free communication.

#### 5.2.1. Pairing a Bluetooth Device

1. Ensure Bluetooth is enabled on your mobile device.
2. Select **BT AUDIO** mode on the car stereo. The display will show "PAIRING" or similar.
3. On your mobile device, search for available Bluetooth devices and select "BOSS 455BRGB" (or similar name).
4. Once paired, the display will show "CONNECTED" and you can begin streaming audio or making calls.

#### 5.2.2. Hands-Free Calling

- **Answer Call:** Press the **CALL** button (often a green phone icon) on the unit.
- **End Call:** Press the **END CALL** button (often a red phone icon).
- **Dialing:** Use your phone to dial, and the audio will transfer to the car stereo.

#### 5.2.3. Bluetooth Audio Streaming (A2DP)

- Once paired, play music from your mobile device. The audio will stream wirelessly to the car stereo.
- Use the **PLAY/PAUSE**, **NEXT TRACK**, and **PREVIOUS TRACK** buttons on the stereo to control playback.




*Figure 5.2: Wireless Streaming.*

This image shows the BOSS Audio Systems 455BRGB car stereo installed in a vehicle's dashboard, with the display showing 'BT' (Bluetooth) and the text 'WIRELESSLY STREAM FROM YOUR PHONE' overlaid, emphasizing its Bluetooth audio streaming capability.

## 5.3. USB Operation

The USB port allows playback of MP3/WMA audio files and provides charging for compatible devices.



*Figure 5.3: USB and USB Charging Icons.*

These icons represent the USB input functionality for media playback and the USB charging capability of the device.

1. Insert a USB flash drive into the USB port on the front panel.
2. The unit will automatically switch to USB mode and begin playing compatible audio files.
3. Use the **PLAY/PAUSE**, **NEXT TRACK**, and **PREVIOUS TRACK** buttons to control playback.
4. The USB port also provides power to charge compatible USB devices.

## 5.4. AUX Input Operation

Connect external audio devices (e.g., MP3 players, smartphones) using a 3.5mm audio cable.

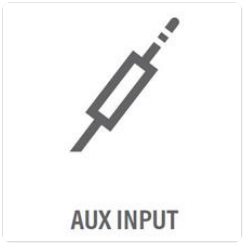



*Figure 5.4: Aux Input Icon.*

This icon signifies the auxiliary input feature, allowing connection of external audio sources via a 3.5mm jack.

1. Connect one end of a 3.5mm audio cable to the AUX IN jack on the front panel of the stereo.
2. Connect the other end to the headphone jack or audio output of your external device.
3. Press the **MODE** button until "AUX" is displayed.
4. Control playback from your external device.

## 5.5. Radio Operation (AM/FM)

1. Press the **MODE** button to select FM or AM radio.
2. **Auto Seek:** Press and hold the **TUNE UP** or **TUNE DOWN** buttons to automatically scan for the next strong station.
3. **Manual Tune:** Briefly press the **TUNE UP** or **TUNE DOWN** buttons to adjust the frequency step-by-step.
4. **Store Presets:** To store a station, tune to the desired station, then press and hold one of the preset number buttons (1-6) until you hear a beep or see a confirmation on the display.
5. **Recall Presets:** Briefly press a preset number button (1-6) to recall a stored station.

## 5.6. Audio Settings and Illumination

### 5.6.1. Equalizer and Tone Control




*Figure 5.5: Built-in Equalizer Icon.*

This icon represents the built-in equalizer feature, allowing users to adjust audio frequencies for a customized sound experience.

- Press the **AUDIO** or **MENU** button (often the volume knob press) to access audio settings like Bass, Treble, Balance, Fader, and Equalizer presets.
- Rotate the volume knob to adjust the selected setting.

### 5.6.2. Pre-Amp Outputs

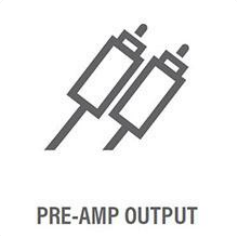



*Figure 5.6: Pre-Amp Output Icon.*

This icon indicates the presence of pre-amp outputs, which allow for connection to external amplifiers for enhanced audio systems.

The unit features front and rear pre-amp outputs (RCA jacks) on the rear panel for connecting external amplifiers, allowing for a more powerful and customized audio system.

### 5.6.3. Multicolor Illumination

The 455BRGB features multicolor illumination for the buttons and display. Refer to the specific button on your unit (often labeled **COLOR** or **ILLUM**) to cycle through available colors or set to a color-changing mode.

## 6. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the front panel. Do not use abrasive cleaners or solvents.
- **USB Port:** Keep the USB port free of dust and debris.
- **General Care:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

## 7. Troubleshooting

If you encounter problems with your unit, refer to the following common issues and solutions.

| Problem | Possible Cause | Solution |
|---|---|---|
| No power | Blown fuse; Incorrect wiring; Loose connection | Check vehicle's fuse box and unit's fuse; Verify wiring connections; Ensure all connections are secure. |
| No sound | Volume too low; Mute activated; Incorrect speaker wiring | Increase volume; Deactivate mute; Check speaker connections. |
| Bluetooth not connecting | Device not in pairing mode; Bluetooth off on phone; Interference | Ensure unit is in BT pairing mode; Enable Bluetooth on phone; Move closer to unit; Restart both devices. |
| USB not playing | Unsupported file format; USB drive issues; Corrupt files | Ensure files are MP3/WMA; Try a different USB drive; Reformat USB drive (FAT32); Check files for corruption. |
| Poor radio reception | Antenna not connected; Weak signal area; Damaged antenna | Ensure antenna is fully connected; Try tuning in a different location; Inspect antenna for damage. |

## 8. Specifications

| Feature | Description |
|---|---|
| Model Number | 455BRGB |

| Feature | Description |
|---|---|
| Power Output | 50 Watts x 4 Max |
| Chassis Size | Single DIN |
| Connectivity | Bluetooth, USB, Auxiliary (3.5mm) |
| Media Playback | MP3, WMA (via USB) |
| Tuner | AM/FM Radio |
| Special Features | Multicolor Illumination, No CD/DVD Player, USB Charging |
| Pre-Amp Outputs | Front & Rear |
| Item Weight | 1.1 pounds |
| Dimensions (H x W x D) | 2.28" x 7.4" x 3.94" (approximate) |

## 9. Warranty and Support

### 9.1. Warranty Information

BOSS Audio Systems provides a powerful**3-year Platinum Online Dealer Warranty** so long as the purchase is made through Amazon.com. We strongly encourage professional installation of this product to ensure proper and safe functionality.




*Figure 9.1: Warranty Details.*
This image highlights the '3 Year Platinum Online Dealer Warranty' offered by BOSS Audio Systems, emphasizing the importance of professional installation for proper functionality.

Please register your product online after purchase to activate your warranty.

### 9.2. Customer Support

For technical assistance, warranty claims, or further information, please visit the official BOSS Audio Systems website or contact their customer support directly. Keep your purchase receipt and product serial number handy when contacting support.

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