

## BOSS Audio Systems BM650AMPBT

# BOSS Audio BM650AMPBT Amplified Marine Grade Speaker Pods

## USER MANUAL

### 1. Introduction

---

The BOSS Audio BM650AMPBT is a pair of amplified, marine-grade, all-terrain speaker pods designed for use in various outdoor environments, including ATVs, UTVs, and boats. These 6.5-inch, 2-way speakers feature a built-in 750 Watt Class D amplifier, Bluetooth audio streaming, and an IPX5 weatherproof rating, ensuring durability and high-quality sound performance.

This manual provides essential information for the proper installation, operation, and maintenance of your BM650AMPBT speaker system. Please read it thoroughly before use.

#### What's in the Box:

- BM650AMPBT Speaker Pods (1 Pair)
- Wired Bluetooth Controller
- Mounting Hardware (Adjustable Cast Aluminum Swivel Clamps)
- Power and Audio Cables



Image 1.1: BOSS Audio BM650AMPBT Speaker Pods with wired controller. The image shows two black cylindrical speaker pods with mounting clamps, connected by wires to a small, rectangular wired Bluetooth controller.

## 2. Safety Information

- **Power Connection:** Ensure all power connections are secure and correctly polarized to prevent electrical shorts or damage.
- **Voltage:** Connect only to a 12V DC power source.
- **Mounting:** Securely mount the speakers to a stable surface or roll cage. Improper mounting can lead to detachment during operation, causing injury or damage.
- **Wiring:** Avoid routing wires near moving parts or sharp edges. Protect wiring from heat and moisture.
- **Volume Control:** Prolonged exposure to high volume levels can cause hearing damage. Adjust volume responsibly.
- **Weather Resistance:** While IPX5 rated for water resistance, avoid submerging the speakers.

## 3. Setup

### 3.1 Mounting the Speaker Pods

1. Identify a suitable mounting location on your ATV, UTV roll cage, or boat waketower. The adjustable cast aluminum swivel clamps fit bars from 1.5 inches to 2.5 inches in diameter.
2. Loosen the clamp bolts and position the speaker pods on the bar.
3. Adjust the angle of the speakers for optimal sound projection.
4. Tighten the clamp bolts securely to prevent movement during vehicle operation. Do not overtighten.

### 3.2 Power and Audio Connections

1. Connect the main power cable to a 12V DC power source. Ensure the red wire connects to the positive (+) terminal and the black wire to the negative (-) or ground terminal.

2. Connect the wired Bluetooth controller to the speaker system using the provided DIN connection.
3. For auxiliary input, connect your audio device (e.g., smartphone, MP3 player) to the 3.5mm AUX-in jack on the wired Bluetooth controller.
4. Route all cables away from heat sources, moving parts, and sharp edges. Secure cables with zip ties or clamps to prevent snagging or damage.



Image 3.1: Wired Bluetooth Controller. This image displays the compact wired Bluetooth controller with illuminated soft-touch buttons for power, play/pause, track skip, and volume control, along with a 3.5mm auxiliary input.

## 4. Operating Instructions

---

### 4.1 Powering On/Off

Press and hold the power button on the wired Bluetooth controller to turn the system on or off. The controller's buttons are illuminated for visibility.

### 4.2 Bluetooth Pairing

1. Ensure the BM650AMPBT system is powered on.
2. On your mobile device (smartphone, tablet, etc.), enable Bluetooth and search for available devices.
3. Select 'BOSS Audio BM650AMPBT' from the list of devices.
4. Once paired, the system will confirm the connection, and you can begin streaming audio wirelessly.

### 4.3 Using the Wired Bluetooth Controller

The inline wired remote provides convenient control over your audio playback:

- **Play/Pause:** Press the Play/Pause button to start or stop audio playback.
- **Track Skip:** Use the 'Next Track' and 'Previous Track' buttons to navigate through your music.
- **Volume Control:** Adjust the volume using the '+' and '-' buttons.

### 4.4 Auxiliary Input

To play audio from a device connected via the 3.5mm AUX-in jack, ensure the device is playing audio. The system will automatically switch to the auxiliary input when a signal is detected, or you may need to select the input source via the controller if available.

## 5. Maintenance

---

- **Cleaning:** Clean the speaker pods and controller with a soft, damp cloth. Avoid using harsh chemicals or

abrasive cleaners.

- **Inspection:** Periodically check all mounting hardware and cable connections for tightness and signs of wear.
- **Storage:** When not in use for extended periods, store the speakers in a dry, protected environment.
- **Water Exposure:** While weatherproof (IPX5), it is recommended to wipe down the speakers after exposure to heavy rain or splashes to prevent water spots and maintain appearance.

## 6. Troubleshooting

---

- **No Power:** Check all power connections, including the 12V DC source and ground. Ensure the power button on the controller is pressed.
- **No Sound:** Verify that the audio source is playing and the volume is turned up on both the speaker system and your connected device. Check Bluetooth pairing or auxiliary cable connection.
- **Bluetooth Not Connecting:** Ensure the speaker system is in pairing mode. Turn off and on Bluetooth on your mobile device, then try pairing again. Ensure no other devices are currently connected to the speakers.
- **Distorted Sound:** Reduce the volume on both the speaker system and your audio source. Check for loose connections or damaged cables.
- **Low Battery Shut Off:** The system features a low battery shut-off to protect your vehicle's battery. If the system unexpectedly turns off, check your vehicle's battery voltage.

## 7. Specifications

---

- **Model:** BM650AMPBT
- **Speaker Type:** 6.5-inch, 2-Way Full Range
- **Tweeters:** 1-inch Dome Tweeters
- **Maximum Output Power:** 750 Watts
- **Amplifier Type:** Built-in 2-Channel Class D
- **Connectivity:** Bluetooth, Auxiliary (3.5mm)
- **Weatherproof Rating:** IPX5
- **Frequency Response:** 65Hz - 20 kHz
- **Mounting Type:** Adjustable Cast Aluminum Swivel Clamps (fits 1.5" to 2.5" bars)
- **Material:** Industrial Matte Finish, Rubber Surround
- **Dimensions (D x W x H):** 8.5" x 8.5" x 9.8" (per speaker pod)
- **Weight:** 16.2 lbs (per 2 pairs, approximate)
- **Power Source:** 12V DC Battery Powered
- **Additional Features:** Low Battery Shut Off, Zero Standby Current Draw, Illuminated Soft Touch Controls

## 8. Warranty and Support

---

### Warranty Information:

This product is covered by a **3 Year Platinum Online Dealer Warranty**. This warranty is valid only on products sold and shipped by Amazon.com. This offer is not valid on purchases made from third-party marketplace sellers.

### Manufacturer:

Boss Audio Systems, Inc.

For further support or inquiries, please refer to the official BOSS Audio Systems website or contact their customer service department.

Visit the [BOSS Audio Systems Store](#) for more products and information.