

BLAUPUNKT BPP-MDS60

BLAUPUNKT BPP-MDS60 6.5-inch Midrange Speaker Instruction Manual

Model: BPP-MDS60

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your BLAUPUNKT BPP-MDS60 6.5-inch Midrange Speaker. Please read this manual thoroughly before installation and use to ensure optimal performance and safety. Keep this manual for future reference.

2. PRODUCT OVERVIEW

The BLAUPUNKT BPP-MDS60 is a high-quality 6.5-inch sealed-back midrange speaker designed for car audio systems. It is engineered to reproduce crisp and accurate midrange frequencies, enhancing vocal clarity and instrument separation. Its robust construction ensures durability and reliable performance.

- **Speaker Size:** 6.5 inches
- **Power Handling:** 150W RMS / 300W Peak
- **Impedance:** 8 Ohms
- **Voice Coil:** 1.5-inch high-temperature coil
- **Cone Material:** Reinforced paper cone
- **Surround:** Durable cloth surround
- **Sensitivity:** 98 dB SPL
- **Frequency Response:** 446 Hz – 8,000 Hz



Figure 2.1: Front view of the BLAUPUNKT BPP-MDS60 speaker, showing the cone and mounting holes.

3. SAFETY INFORMATION

Always observe the following safety precautions during installation and operation:

- Disconnect the vehicle's battery before starting any electrical work to prevent short circuits.
- Ensure all wiring is properly insulated and secured to prevent damage and electrical hazards.
- Do not mount speakers in locations that obstruct the driver's view or interfere with vehicle safety systems (e.g., airbags).
- Use appropriate tools and wear protective eyewear during installation.
- Avoid prolonged exposure to high volume levels, which can cause hearing damage.
- Consult a professional installer if you are unsure about any part of the installation process.

4. SETUP AND INSTALLATION

Proper installation is crucial for optimal speaker performance. The BPP-MDS60 is designed for flush

mounting.

4.1. Tools and Materials Required

- Wire strippers/cutters
- Screwdriver (Phillips or flathead, depending on mounting hardware)
- Drill (if creating new mounting holes)
- Speaker wire (appropriate gauge for your amplifier)
- Mounting screws and clips (typically included or purchased separately)

4.2. Mounting the Speaker

1. **Choose Location:** Select a suitable flush-mount location in your vehicle that allows for proper speaker depth and does not interfere with vehicle components.
2. **Prepare Opening:** If replacing existing speakers, ensure the opening matches the 6.5-inch diameter. If creating a new opening, carefully mark and cut the hole, ensuring a snug fit.
3. **Secure Speaker:** Place the speaker into the opening. Align the mounting holes on the speaker frame with the pre-drilled holes or mark new ones. Secure the speaker using appropriate screws, ensuring it is firmly seated without overtightening.

4.3. Wiring Connections

The BPP-MDS60 features an 8-ohm impedance. Ensure your amplifier is compatible with this impedance and can safely drive the speaker's power requirements (150W RMS).

1. **Identify Terminals:** Locate the positive (+) and negative (-) terminals on the back of the speaker. These are typically marked.
2. **Connect Speaker Wire:** Connect the positive (+) terminal of the speaker to the positive (+) output of your amplifier. Connect the negative (-) terminal of the speaker to the negative (-) output of your amplifier. Ensure correct polarity for optimal sound reproduction.
3. **Secure Connections:** Ensure all wire connections are secure and free from shorts. Use crimp connectors or solder for reliable connections.



Figure 4.1: Rear view of the BLAUPUNKT BPP-MDS60 speaker, highlighting the positive and negative wiring terminals.

5. OPERATING INSTRUCTIONS

Once installed and wired, the BPP-MDS60 speaker operates as part of your car audio system. It is a passive component and requires an external amplifier to function.

1. **Power On System:** After verifying all connections, reconnect your vehicle's battery and power on your car audio head unit and amplifier.
2. **Adjust Amplifier Settings:** Set your amplifier's gain, crossover, and equalization settings according to the speaker's specifications and your listening preferences. For midrange speakers, a high-pass filter is typically recommended to prevent low frequencies from reaching the speaker, which can cause distortion or damage.
3. **Test Sound:** Start with a low volume and gradually increase it, listening for clear sound reproduction. Ensure there is no distortion or unusual noise.

The BPP-MDS60 is designed for midrange frequencies (446 Hz – 8,000 Hz). For full-range sound, it should be used in conjunction with woofers/subwoofers and tweeters, with appropriate crossover settings.

6. MAINTENANCE

The BLAUPUNKT BPP-MDS60 speaker requires minimal maintenance to ensure long-lasting performance.

- **Cleaning:** Gently wipe the speaker cone and frame with a soft, dry cloth to remove dust. Avoid using harsh chemicals or excessive moisture.
- **Inspection:** Periodically check wiring connections for tightness and ensure no wires are frayed or exposed.
- **Environmental Protection:** While designed for car environments, avoid exposing the speaker to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

7. TROUBLESHOOTING

If you experience issues with your BPP-MDS60 speaker, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Sound from Speaker	Incorrect wiring (polarity reversed or loose connection) Amplifier not powered on or faulty Head unit settings incorrect Speaker damaged	Check all wiring connections and polarity. Verify amplifier power and functionality. Check head unit output settings. Test speaker with another known good amplifier/source.
Distorted Sound	Amplifier gain set too high Crossover settings incorrect Speaker overdriven Loose mounting	Reduce amplifier gain. Adjust crossover settings to filter out unwanted frequencies (e.g., high-pass filter for midrange). Lower volume. Ensure speaker is securely mounted.
Intermittent Sound	Loose wiring connection Frayed speaker wire	Check and secure all wiring connections. Inspect speaker wire for damage and replace if necessary.

8. SPECIFICATIONS

Detailed technical specifications for the BLAUPUNKT BPP-MDS60 Midrange Speaker:



Figure 8.1: Top view of the BLAUPUNKT BPP-MDS60 speaker, displaying key specifications on the label.

Feature	Specification
Brand	BLAUPUNKT
Model Name	BPP-MDS60
Speaker Size	6.5 inches
Power Handling (RMS)	150 Watts
Power Handling (Peak)	300 Watts
Impedance	8 Ohms
Voice Coil	1.5-inch high-temperature
Cone Material	Reinforced paper cone
Surround Material	Cloth
Sensitivity	98 dB SPL
Frequency Response	446 Hz – 8,000 Hz
Magnet Weight	38 oz Ferrite
Mounting Type	Flush Mount

Feature	Specification
Item Weight	5 Pounds
UPC	850053034930

9. WARRANTY AND SUPPORT

BLAUPUNKT products are designed for reliability and performance. For specific warranty information, please refer to the warranty card included with your product or visit the official BLAUPUNKT website. Keep your proof of purchase for warranty claims.

For technical support or inquiries, please contact BLAUPUNKT customer service through their official channels. When contacting support, please have your product model number (BPP-MDS60) and purchase details ready.

Online Resources: For additional information, FAQs, and support, visit the official BLAUPUNKT website: www.blaupunkt.com