

## MTX RT8PT

# MTX Audio RT8PT Powered Subwoofer Enclosure User Manual

Model: RT8PT

## 1. PRODUCT OVERVIEW

The MTX Audio RT8PT is an 8-inch amplified and vented bass tube designed to enhance the low-frequency audio in your vehicle. This compact unit integrates a subwoofer and amplifier within a vented enclosure, providing a complete bass solution.



Image 1.1: Front view of the MTX Audio RT8PT powered subwoofer enclosure, showing the 8-inch subwoofer and the MTX Audio logo on the gray carpeted tube.

### Key Features:

- Integrated 120 Watt RMS Amplifier: Provides efficient power to the subwoofer.
- 8-Inch High Output Subwoofer: Delivers clear and impactful bass.
- Vented Enclosure Design: Optimizes bass output and efficiency.
- High and Low Level Inputs: Allows connection to various audio sources.
- External Bass Control: Enables convenient adjustment of bass levels from the driver's seat.
- Durable Construction: Features a butyl rubber surround for subwoofer longevity and aviation-grade carpet for interior integration.

## 2. INSTALLATION AND SETUP

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

### 2.1 Unpacking

Carefully remove all components from the packaging. Ensure the following items are present:

- MTX Audio RT8PT Powered Bass Tube
- External Bass Control (EBC)
- Mounting Straps
- Wiring Harnesses (Power, Ground, Signal)

## 2.2 Mounting the Subwoofer

Select a secure location in your vehicle, such as the trunk or behind a seat. Use the provided mounting straps to firmly secure the enclosure, preventing movement during vehicle operation.



Image 2.1: The MTX Audio RT8PT subwoofer enclosure securely placed in a car trunk, demonstrating its compact size and rugged construction.

## 2.3 Wiring Connections

All wiring should be performed with the vehicle's battery disconnected to prevent electrical shorts or damage.

1. **Power Connection (+12V):** Connect an 8-gauge power wire from the vehicle's positive battery terminal to the +12V terminal on the subwoofer's amplifier panel. Install an appropriate fuse (not included) within 18 inches of



the battery.

2. **Ground Connection (GND):** Connect an 8-gauge ground wire from the GND terminal on the amplifier panel to a clean, unpainted metal surface on the vehicle's chassis. Ensure a solid electrical connection.
3. **Remote Turn-On (REM):** Connect a remote turn-on wire from your head unit's remote output to the REM terminal on the amplifier panel. This wire signals the subwoofer to turn on and off with your head unit.
4. **Signal Input:**
  - **Low-Level Input (RCA):** If your head unit has RCA pre-outs, connect RCA cables from the head unit to the "Line In" RCA inputs on the subwoofer.
  - **High-Level Input (Speaker Level):** If your head unit does not have RCA pre-outs, use the provided high-level input harness. Connect the speaker wires from your head unit's rear speaker outputs to the corresponding wires on the high-level input harness, then plug the harness into the "HLI" port on the subwoofer.
5. **External Bass Control (EBC):** Plug the EBC cable into the "EBC Port" on the amplifier panel and mount the control knob in a convenient location near the driver.



Image 2.2: Rear panel of the MTX Audio RT8PT, showing the power, ground, remote, RCA line-in, high-level input (HLI), and external bass control (EBC) ports.

### 3. OPERATION

Once installed, you can power on your vehicle's audio system and begin adjusting the subwoofer for optimal sound.

#### 3.1 Initial Power-Up

After connecting the battery, turn on your vehicle's ignition and head unit. The subwoofer should power on automatically via the remote turn-on signal.

### 3.2 Adjusting Settings

- **Gain Control:** The "Gain" knob on the amplifier panel adjusts the input sensitivity. Start with the gain at its minimum setting. Play music with a strong bass presence and slowly increase the gain until the bass sounds balanced with the rest of your audio system without distortion.
- **Low Pass Filter (LPF):** The "LPF" knob (variable, 50Hz-200Hz) controls the upper frequency limit the subwoofer will play. Set this to blend smoothly with your main speakers. A common starting point is 80Hz-100Hz. If your main speakers are small, you might set it higher; if they are large, you might set it lower.
- **External Bass Control (EBC):** Use the EBC knob to make real-time adjustments to the bass level from your driving position. This allows for quick customization based on music genre or personal preference.

### 4. MAINTENANCE

Regular care will help maintain the performance and appearance of your RT8PT subwoofer.

- **Cleaning:** Use a soft, dry cloth to wipe down the enclosure. For stubborn dirt on the carpet, a slightly damp cloth can be used, but avoid excessive moisture. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check all wiring connections to ensure they are secure. Verify that the mounting straps are tight and the enclosure is stable.
- **Environmental Factors:** Avoid exposing the subwoofer to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

### 5. TROUBLESHOOTING

If you encounter issues with your RT8PT subwoofer, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
No sound from subwoofer	<ul style="list-style-type: none"><li>• No power to amplifier</li><li>• Remote turn-on not connected or faulty</li><li>• Signal input issue (RCA/HLI)</li><li>• Gain set too low</li></ul>	<ul style="list-style-type: none"><li>• Check power and ground connections, ensure fuse is intact.</li><li>• Verify remote wire connection and head unit output.</li><li>• Check RCA or high-level input connections.</li><li>• Increase gain gradually.</li></ul>
Distorted or unclear bass	<ul style="list-style-type: none"><li>• Gain set too high</li><li>• LPF set incorrectly</li><li>• Poor signal quality</li></ul>	<ul style="list-style-type: none"><li>• Decrease gain until distortion is eliminated.</li><li>• Adjust LPF for a smoother blend with main speakers.</li><li>• Check source unit and wiring for interference or damage.</li></ul>
Subwoofer turns on/off intermittently	<ul style="list-style-type: none"><li>• Loose power/ground connection</li><li>• Faulty remote turn-on wire</li><li>• Overheating (amplifier protection mode)</li></ul>	<ul style="list-style-type: none"><li>• Secure all power and ground connections.</li><li>• Inspect and replace remote wire if necessary.</li><li>• Ensure adequate ventilation around the amplifier.</li></ul>

### 6. SPECIFICATIONS

Detailed technical specifications for the MTX Audio RT8PT powered subwoofer enclosure.

# DIMENSIONS

## SUBWOOFER



Image 6.1: Diagram illustrating the dimensions of the MTX Audio RT8PT subwoofer enclosure: 21.25 inches (L) x 9.84 inches (W) x 9.84 inches (H).

Feature	Specification
Model Name	RT8PT
Speaker Type	Subwoofer
Speaker Size	8 Inches
Woofer Diameter	8 Inches
Speaker Maximum Output Power	240 Watts (MAX)
Amplifier RMS Power	120 Watts
Frequency Response	35 - 250Hz (Crossover: Variable, 50Hz - 200Hz, 12dB/Oct)
Input Voltage	12 Volts

Feature	Specification
Connectivity Technology	Wired (RCA, High-Level Input)
Control Method	Remote (External Bass Control)
Product Dimensions (L x W x H)	21.25" x 9.84" x 9.84" (54cm x 25cm x 25cm)
Item Weight	19.45 Pounds (8.82 kg)
Recommended Wiring	8 Gauge Power and Ground Wiring
UPC	193802048193, 715442310036

## 7. WARRANTY INFORMATION

The MTX Audio RT8PT powered subwoofer enclosure comes with a limited warranty. For specific terms and conditions, please refer to the warranty card included with your product or visit the official MTX Audio website.



## 8. CUSTOMER SUPPORT





For technical assistance, installation questions, or warranty claims, please contact MTX Audio customer support. You can find contact information on the official MTX Audio website or through your authorized dealer.

Website: [www.mtx.com](http://www.mtx.com)



### Related Documents - RT8PT

	<p><a href="#">MTX Marine Series Amplifiers MA Series - User Manual &amp; Specifications</a></p> <p>Comprehensive user manual and technical specifications for MTX Marine Series Amplifiers, including models MA750.1, MA1500.1, MA2500.1, MA400.4, MA800.4, MA1400.5, and MA900.6. Covers installation, wiring, controls, features, and warranty.</p>
	<p><a href="#">MTX Audio FMUST05BK12A-TN Ford Mustang Subwoofer Enclosure Owner's Manual &amp; Installation Guide</a></p> <p>Comprehensive owner's manual and installation guide for the MTX Audio FMUST05BK12A-TN vehicle-specific subwoofer enclosure for the Ford Mustang (2005-2013). Includes features, specifications, installation steps, troubleshooting, and warranty information.</p>

 <p>JWTJ97C20A-TN / JWTJ97T20A-TN JEEP WRANGLER TJ VEHICLE SPEAKER SUBWOOFER ENCLOSURE OWNER'S MANUAL</p>	<p><a href="#">MTX Audio JWTJ97C20A-TN/JWTJ97T20A-TN Jeep Wrangler TJ Subwoofer Enclosure Owner's Manual</a></p> <p>This owner's manual provides installation instructions, features, specifications, and warranty information for the MTX Audio JWTJ97C20A-TN and JWTJ97T20A-TN amplified subwoofer enclosure designed for the Jeep Wrangler TJ (1997-2006).</p>
 <p>SPARE PARTS MANUAL MIKASA TAMPING RAMMER MTX-60E</p>	<p><a href="#">Mikasa Tamping Rammer MTX-60E Spare Parts Manual</a></p> <p>Comprehensive spare parts manual for the Mikasa Tamping Rammer MTX-60E, detailing components, part numbers, and diagrams for maintenance and repair. Includes information on various Mikasa rammer models like MTX-60, MTX-60F, MTX-70, MTX-80, and MTX-90.</p>
 <p>Honeywell THERMO MT4/MT8 Small Linear Thermoelectric Actuators</p>	<p><a href="#">Honeywell Home MT4/MT8 Small Linear Thermoelectric Actuators - Product Specification</a></p> <p>Detailed product specification sheet for Honeywell Home MT4 and MT8 series small linear thermoelectric actuators, covering applications, features, technical data, dimensions, and ordering information.</p>
 <p>MTi and MTx User Manual and Technical Documentation</p>	<p><a href="#">MTi and MTx User Manual and Technical Documentation</a></p> <p>Discover the Xsens MTi and MTx series, miniature inertial measurement units (IMUs) offering precise 3D orientation, acceleration, and rate of turn data. This manual details their technical specifications, communication interfaces, and application use cases for robotics, biomechanics, and more. Learn about Xsens' advanced sensor fusion technology for reliable motion tracking.</p>