

MTX MTX TNP212D2

MTX Terminator Series TNP212D2 Dual 12-inch Car Subwoofer and Amplifier System

INSTRUCTION MANUAL

Introduction

Thank you for choosing the MTX Terminator Series TNP212D2 Dual 12-inch Car Subwoofer and Amplifier System. This system is designed to provide powerful and clear bass for your vehicle's audio setup. This manual contains important information regarding the proper installation, operation, and maintenance of your new audio system. Please read it thoroughly before beginning installation and retain it for future reference.



Image 1: The MTX Terminator Series TNP212D2 system, featuring two 12-inch subwoofers in an enclosure and a matching amplifier.

Safety Information

Always observe the following safety precautions during installation and operation:

- Disconnect the vehicle's negative battery terminal before any electrical work.
- Ensure all wiring is properly routed and secured to prevent damage or short circuits.
- Use appropriate gauge wiring for power and ground connections as specified in the setup section.
- Avoid installing components in locations that obstruct vehicle operation or safety features.
- Do not expose the equipment to moisture or extreme temperatures.
- Operating audio systems at excessively high volumes can cause permanent hearing damage.

Components Included

Your MTX Terminator Series TNP212D2 package includes the following items:

- One (1) Dual 12-inch Loaded Subwoofer Enclosure
- One (1) MTX Terminator Series TNA251 Mono D Car Power Amplifier

- One (1) Remote Bass Control Knob with Cable

An amplifier wiring kit is required for installation and is sold separately.



Image 2: Front view of the dual 12-inch subwoofer enclosure, featuring two MTX Audio subwoofers.



Image 3: Top view of the MTX TNA251 mono amplifier, showing the Terminator branding and MTX Audio logo.

Setup and Installation

Proper installation is crucial for optimal performance and safety. If you are unsure about any part of the installation process, consult a professional car audio installer.

1. Mounting the Subwoofer Enclosure

Position the subwoofer enclosure securely in your vehicle's trunk or cargo area. Ensure it is stable and will not shift during vehicle movement. Use straps or brackets if necessary to prevent movement.



Image 4: Side view of the subwoofer enclosure, showing its carpeted finish.

2. Mounting the Amplifier

Select a dry, well-ventilated location for the amplifier, such as under a seat or in the trunk. Ensure there is sufficient airflow around the amplifier to prevent overheating. Secure the amplifier using screws or mounting hardware.

3. Wiring Connections

a. Power and Ground Wiring:

- Connect the main power wire from the amplifier to the vehicle's positive battery terminal. Install an in-line fuse holder (not included) within 18 inches of the battery.
- Connect the ground wire from the amplifier to a clean, unpainted metal surface on the vehicle's chassis. Ensure a solid electrical connection.
- Use appropriate gauge wiring (e.g., 8-gauge or 4-gauge) as recommended by your amplifier wiring kit.



Image 5: Close-up of the MTX TNA251 amplifier's power input terminals (+12V, GND, REM) and speaker output terminals, along with fuse slots.

b. Remote Turn-On Wire:

- Connect the remote turn-on wire from the amplifier to the remote output of your car's head unit. This wire tells the amplifier to turn on when the head unit is active.

c. RCA Audio Input:

- Connect RCA cables from the subwoofer output of your head unit to the RCA input jacks on the amplifier.



Image 6: Close-up of the MTX TNA251 amplifier's RCA input jacks (L/R), gain control, crossover switch, and EBC (External Bass Control) port.

d. Speaker Wiring:

- Connect the speaker wires from the subwoofer enclosure to the speaker output terminals on the amplifier. Ensure correct polarity (+ to + and - to -).



Image 7: Rear view of the subwoofer enclosure, showing the spring-loaded speaker wire terminals for connection to the amplifier.

4. Remote Bass Control Installation

Connect the remote bass control knob to the EBC (External Bass Control) port on the amplifier using the provided cable. Mount the knob in an accessible location for easy adjustment from the driver's seat.



Image 8: The remote bass control knob with its attached cable, used for adjusting bass levels from the driver's seat.

Operating Instructions

1. Initial Power-Up and Settings

- After all connections are made, reconnect the vehicle's negative battery terminal.
- Turn on your car's head unit. The amplifier should power on automatically.
- Start with the amplifier's gain control set to minimum. Play a familiar audio track.
- Slowly increase the gain control on the amplifier until the desired bass level is achieved without distortion.

- Adjust the crossover frequency on the amplifier (if available) to blend the subwoofer's output seamlessly with your main speakers. A typical starting point for subwoofers is around 80-100 Hz.

2. Using the Remote Bass Control

The remote bass control knob allows you to adjust the subwoofer's output level conveniently from the driver's seat. Turn the knob clockwise to increase bass and counter-clockwise to decrease it.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the amplifier and subwoofer enclosure. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check all wiring connections to ensure they are secure and free from corrosion.
- **Ventilation:** Ensure the amplifier's cooling fins remain free of dust and debris to maintain proper heat dissipation.

Troubleshooting

| Problem | Possible Cause | Solution |
|---------------------------------|--|--|
| No sound from subwoofer | No power to amplifier; RCA cables disconnected; Speaker wires disconnected; Amplifier in protect mode. | Check power, ground, and remote connections. Verify RCA and speaker wire connections. Check amplifier fuses. |
| Distorted sound | Gain set too high; Improper crossover settings; Damaged speaker or amplifier. | Reduce amplifier gain. Adjust crossover frequency. Inspect speakers and amplifier for damage. |
| Amplifier overheating | Insufficient ventilation; Impedance mismatch; Prolonged high volume use. | Ensure proper airflow around amplifier. Verify speaker impedance. Reduce listening volume. |
| Remote bass control not working | Cable disconnected or damaged. | Check connection of remote bass control cable to amplifier. Inspect cable for damage. |

Specifications

| Feature | Specification |
|------------------------------|-------------------------------------|
| Model Name | MTX TNP212D2 |
| Subwoofer Diameter | 12 Inches (x2) |
| Speaker Maximum Output Power | 1200 Watts (Max) |
| Amplifier RMS Power | 600 Watts (RMS) |
| Amplifier Type | Mono D Car Power Amplifier (TNA251) |
| Control Method | Remote Bass Control |
| Connectivity Technology | Wired |

| Feature | Specification |
|------------------|------------------|
| Recommended Uses | Car Audio System |
| UPC | 840023848735 |

Warranty Information




MTX products are designed and manufactured to the highest quality standards. This product is covered by a limited warranty against defects in materials and workmanship. The duration and terms of the warranty may vary by region. Please refer to the warranty card included with your product or visit the official MTX website for detailed warranty information.




Customer Support

If you encounter any issues or have questions regarding your MTX Terminator Series TNP212D2 system that are not covered in this manual, please contact MTX customer support:

- **Website:** Visit the official MTX Audio website for FAQs, support resources, and contact information.
- **Professional Installation:** For complex installation or troubleshooting, it is recommended to consult a certified car audio professional.

Related Documents - MTX TNP212D2

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|  | MTX Marine Series Amplifiers MA Series - User Manual & Specifications 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. |
|  | MTX Audio FMUST05BK12A-TN Ford Mustang Subwoofer Enclosure Owner's Manual & Installation Guide 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. |
|  | Mikasa Tamping Rammer MTX-60E Spare Parts Manual 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. |

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|  | <p>Honeywell Home MT4/MT8 Small Linear Thermoelectric Actuators - Product Specification</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>MTX Audio Thunder 251D & 311D Power Amplifier Owner's Manual</p> <p>Comprehensive owner's manual for MTX Audio Thunder 251D and 311D power amplifiers. Covers installation, features, technical specifications, gain adjustment, troubleshooting, and warranty information.</p> |
|  | <p>MTX Audio JWTJ97C20A-TN/JWTJ97T20A-TN Jeep Wrangler TJ Subwoofer Enclosure Owner's Manual</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> |