

MTX AUDIO TN10-04

MTX AUDIO Terminator TN10-04 10-Inch Car Audio Subwoofer Instruction Manual

1. INTRODUCTION

Welcome to the MTX AUDIO Terminator TN10-04 10-inch Car Audio Subwoofer. This manual provides essential information for the proper installation, operation, and maintenance of your new subwoofer. Please read this manual thoroughly before use to ensure optimal performance and longevity of your product.

The MTX Terminator series subwoofers are engineered for robust audio performance in automotive environments. This model incorporates advanced technology to deliver clear and powerful bass reproduction.

2. PRODUCT FEATURES

- **ALDS (Asymmetrical Linear Drive System):** Features a flat progressive spider and extended pole piece designed for smooth, linear, piston-like drive, enhancing bass accuracy.
- **Spider Plateau Venting:** An exclusive cooling system that helps manage the voice coil temperature, contributing to extended performance and durability.
- **Rubber Surround:** Constructed with a durable rubber surround for increased longevity and consistent performance.
- **28 oz. Magnet Structure:** Provides a strong magnetic field for efficient and powerful sound reproduction.
- **MTX Audio Logo:** Integrated into the dust cap for brand identification.

3. SPECIFICATIONS

Parameters

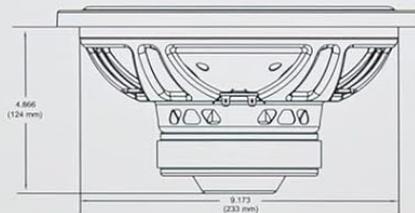
Los parámetros, Paramètres, Parameter

F_s : 35.4 Hz
 Q_{ms} : 4.70
 C_{ms} : 0.181 mm/N
 M_{ms} : 112.02 g
 R_{ms} : 9.40 kg/s
 V_{as} : 1.225 ft³ (34.70 liters)
 X_{max} : 0.370 in (9.40 mm)
 D : 8.543 in (217 mm)
 S_d : 57.33 in² (369.84 cm²)
 V_d : 21.21 in³ (0.35 liters)
 Q_{es} : 0.72
 R_e : 3.28 Ω
 B_l : 10.67 Tm
 P_{rms} : 150 Watts
 Q_{ts} : 0.620
 η_o : 0.206 %
 SPL_o: 85.10 dB
 SPL 2.83V/1m: 88.97 dB



Specifications

Las especificaciones, Spécifications, Spezifikationen



Recommended Power Rating of 75 - 150 Watts RMS

La Potencia nominal recomendada, Le Pouvoir recommandé Evaluant, Empfohlene Kraft Einzuschätze

THUNDER™ • JACKHAMMER™ • AXE • SLEDGEHAMMER™ • THUNDERFORM™
AMPLIFIERS • SUBWOOFERS • SPEAKERS • ENCLOSURES • MARINE



21A9434

Figure 1: Thiele-Small Parameters and Dimensions for TN10-04

Feature	Detail
Model Name	TN10-04
Brand	MTX AUDIO
Speaker Type	Subwoofer
Subwoofer Diameter	10 Inches

Impedance	4 Ohm
Speaker Maximum Output Power	300 Watts
Frequency Response	29 Hz
Connectivity Technology	Wired (RCA or Speaker Wire)
Mounting Type	Flush Mount
Product Dimensions (L x W x H)	12 x 12 x 7.4 inches
Item Weight	6.88 Pounds
Color	Black
Water Resistance Level	Not Water Resistant
Included Components	Subwoofer
Manufacturer	MTX

4. SETUP AND INSTALLATION

Proper installation is crucial for the performance and safety of your subwoofer. It is recommended that installation be performed by a qualified car audio professional.

4.1 Unpacking

Carefully remove the subwoofer from its packaging. Inspect the unit for any signs of damage during transit. Retain all packaging materials for future use or in case of return.



Figure 2: MTX Terminator TN10-04 Retail Packaging

4.2 Mounting

The TN10-04 is designed for flush mounting. Ensure the mounting location provides adequate clearance for

the subwoofer's dimensions (12 x 12 x 7.4 inches) and allows for proper air circulation around the magnet structure. Refer to the 'Specifications' section and Figure 1 for detailed dimensions.

4.3 Wiring Connections

Connect the subwoofer to a compatible amplifier using appropriate gauge speaker wire. The TN10-04 has a 4 Ohm impedance. Ensure your amplifier is stable at this impedance for optimal performance and to prevent damage.



Figure 3: Rear View of TN10-04 Subwoofer showing Speaker Terminals

Connect the positive (+) terminal of the subwoofer to the positive (+) output of the amplifier, and the negative (-) terminal of the subwoofer to the negative (-) output of the amplifier. Secure all connections to prevent shorts and ensure reliable signal transfer.

4.4 Product Overview Video

Your browser does not support the video tag.

Video 1: A brief overview of the MTX Terminator Subwoofer.

5. OPERATING INSTRUCTIONS

5.1 Initial Power-Up

After installation, ensure all connections are secure. Turn on your car audio system at a low volume. Gradually increase the volume and listen for proper bass output. Adjust amplifier settings (gain, crossover, bass boost) according to your preferences and the amplifier's manual.

5.2 Break-In Period

Allow a break-in period of approximately 10-20 hours of normal listening before operating the subwoofer at high volumes. This allows the suspension components to loosen and achieve optimal performance.

6. MAINTENANCE

To maintain the appearance and performance of your subwoofer, follow these guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe down the subwoofer cone and surround. Avoid using harsh chemicals or abrasive cleaners.
 - **Environment:** Protect the subwoofer from direct sunlight, extreme temperatures, and moisture.
 - **Connections:** Periodically check all wiring connections to ensure they remain tight and free from corrosion.
-

7. TROUBLESHOOTING

If you experience issues with your subwoofer, consult the following troubleshooting guide:

7.1 No Sound Output

- Verify all speaker wire connections at both the subwoofer and amplifier.
- Check if the amplifier is powered on and receiving a signal from the source unit.
- Ensure the source unit (car stereo) is functioning correctly and outputting audio.

7.2 Distorted Sound

- Reduce the gain setting on your amplifier. Excessive gain can cause distortion.
- Check the amplifier's crossover settings. Ensure the subwoofer is receiving only low-frequency signals.
- Verify that the amplifier's power output matches the subwoofer's RMS power handling.

7.3 Overheating

- Ensure the subwoofer and amplifier have adequate ventilation.
 - Confirm that the amplifier's impedance load matches the subwoofer's impedance (4 Ohm). Incorrect impedance can cause the amplifier to overheat.
 - Avoid prolonged operation at maximum volume, especially during the break-in period.
-

8. WARRANTY AND SUPPORT

8.1 Limited Warranty

The MTX AUDIO Terminator TN10-04 Subwoofer is covered by a **1-year manufacturer's limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from improper installation, accident, misuse, abuse, neglect, unauthorized repair, or modification.

Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, warranty inquiries, or service, please contact MTX AUDIO customer support through their official website or authorized dealer. Provide your product model number (TN10-04) and proof of purchase when contacting support.
