

Tbest MT-X508

Tbest 5-Band Parametric Equalizer MT-X508 Car Audio Instruction Manual

Model: MT-X508

Brand: Tbest

1. PRODUCT OVERVIEW

The Tbest MT-X508 is a 5-band parametric equalizer designed to enhance your car audio experience. It allows for precise tuning of various frequency ranges, ensuring a balanced and clear sound output tailored to your preferences.

Key Features:

- **Enhanced Audio Customization:** Adjustable 5 bands for precise tuning, allowing personalization of audio experience and optimal sound quality.
- **Superior Audio Clarity:** Graphic equalizer capabilities provide control over different frequency ranges for a well-balanced and clear sound.
- **Efficient Crossover Functionality:** Separates sound for different audio components, ensuring each receives appropriate frequencies for optimal performance.
- **Exceptional Sound Quality:** Utilizes high-quality materials and advanced technologies to deliver superior sound.
- **Easy to Use and Install:** Designed for user convenience, straightforward installation and operation without requiring technical expertise.

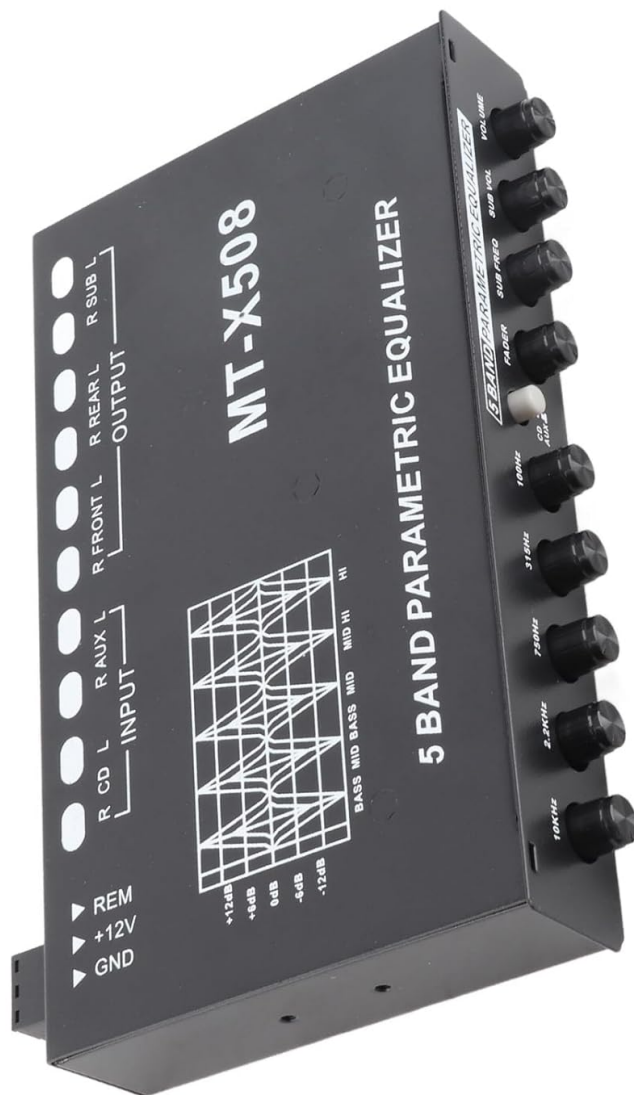


Figure 1: Tbest MT-X508 5-Band Parametric Equalizer

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- 1 x Car Equalizer (Tbest MT-X508)
- 4 x Mounting Screws
- 2 x Mounting Accessories (Brackets)



Figure 2: Tbest MT-X508 Equalizer and Included Accessories

3. TECHNICAL SPECIFICATIONS

Specification	Value
Brand	Tbest
Model Number	Tbestnf5tzqwvig (MT-X508)
Item Type	Car Equalizer
Material	Iron
Size (Approx.)	19x12x3cm / 7.48x4.72x1.18in
Weight (Approx.)	1.18 Pounds
Number of Channels	5 (Bands)
Mounting Type	Surface Mount

4. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating this product. Failure to follow these instructions may result in injury or damage to the product or vehicle.

- Always disconnect the vehicle's battery before performing any electrical work.
- Ensure proper grounding to prevent electrical hazards.
- Do not expose the unit to moisture or extreme temperatures.
- Use appropriate wiring gauges and fuses as recommended for car audio installations.
- Consult a professional car audio installer if you are unsure about any part of the installation process.

5. INSTALLATION GUIDE

This section provides general guidelines for installing the Tbest MT-X508 equalizer. Specific vehicle wiring may vary.

5.1 Wiring Connections

Identify the input and output connections on the equalizer. The unit typically connects between your car's head unit (stereo) and your amplifier(s).

- **Power (REM, +12V, GND):** Connect the REM (Remote) terminal to the remote output of your head unit or amplifier. Connect the +12V terminal to a constant +12V power source (fused). Connect the GND (Ground) terminal to a solid chassis ground point in your vehicle.
- **Input (R CD L, R AUX L):** Connect the audio output from your head unit to the 'R CD L' (CD Input) or 'R AUX L' (Auxiliary Input) RCA jacks. Ensure left and right channels are correctly matched.
- **Output (R FRONT L, R REAR L, R SUB L):** Connect the 'R FRONT L' (Front Output) RCA jacks to your front amplifier inputs. Connect 'R REAR L' (Rear Output) to your rear amplifier inputs. Connect 'R SUB L' (Subwoofer Output) to your subwoofer amplifier input.

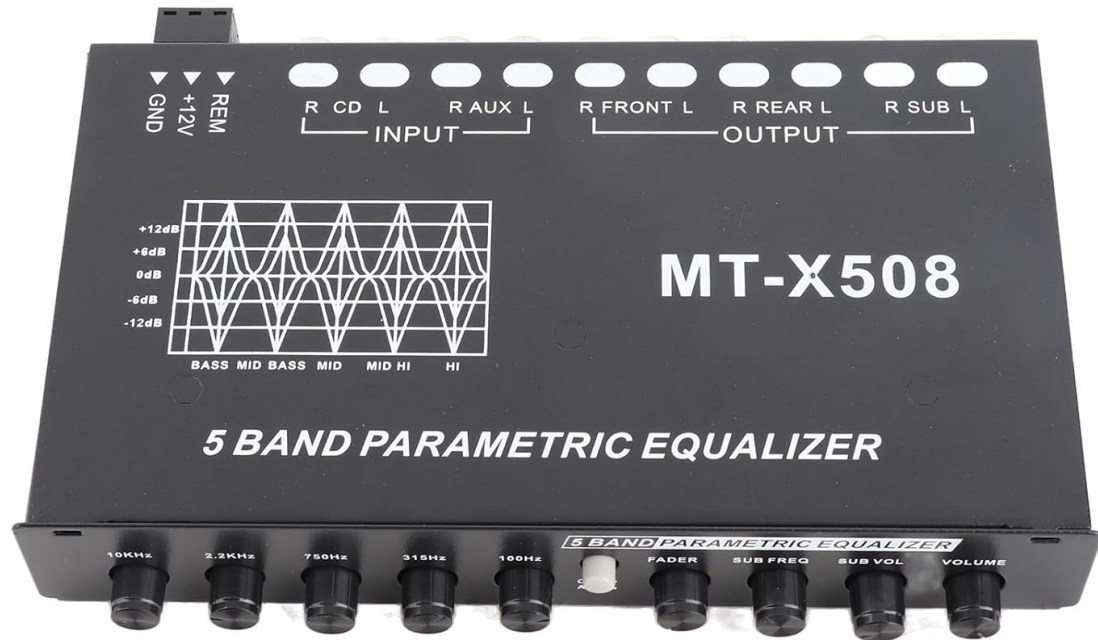


Figure 3: Top View with Input/Output Connections



Figure 4: Rear Panel Connections

5.2 Mounting

Choose a suitable location for mounting the equalizer, ensuring it is secure and accessible for adjustments. Use the provided mounting brackets and screws to fix the unit in place.

- Ensure the mounting surface is flat and stable.
- Avoid mounting near heat sources or areas prone to excessive vibration.
- Secure all wiring to prevent interference or damage.

6. OPERATING INSTRUCTIONS

The Tbest MT-X508 features 5 adjustable frequency bands and additional controls for fine-tuning your audio.



Car 5 Band Equalizer

5 bands for precise tuning
Customize the sound to your preferences and achieve optimal audio quality while driving



Figure 5: Front Panel Controls

6.1 Frequency Band Controls

Adjust these knobs to boost or cut specific frequency ranges:

- **10KHz:** Controls the highest treble frequencies.
- **2.2KHz:** Adjusts upper midrange frequencies.
- **750Hz:** Controls mid-range frequencies.
- **315Hz:** Adjusts lower midrange/upper bass frequencies.
- **100Hz:** Controls bass frequencies.

6.2 Additional Controls

- **FADER:** Balances the sound level between front and rear speakers.
- **SUB FREQ:** Adjusts the crossover frequency for the subwoofer output.
- **SUB VOL:** Controls the output volume level of the subwoofer.
- **VOLUME:** Master volume control for the entire system.
- **CD/AUX Switch:** Selects between the CD input and Auxiliary input sources.

Experiment with these controls to achieve your desired sound profile. Start with all frequency bands at their neutral (center) position and make small adjustments.

7. MAINTENANCE

To ensure the longevity and optimal performance of your Tbest MT-X508 equalizer, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the unit. Do not use harsh chemicals, solvents, or abrasive cleaners.
- **Environment:** Keep the unit away from direct sunlight, excessive heat, and moisture.
- **Connections:** Periodically check all wiring connections to ensure they are secure and free from corrosion.

8. TROUBLESHOOTING

If you encounter issues with your equalizer, refer to the following common problems and solutions:

- **No Power:**
 - Check the +12V power connection and ensure the fuse is intact.
 - Verify the ground connection is secure.
 - Ensure the remote (REM) wire is connected and receiving a signal from the head unit.
- **No Sound:**
 - Check all RCA input and output connections for proper seating and correct channel assignment.
 - Ensure the head unit and amplifier are powered on and functioning correctly.
 - Verify the input source switch (CD/AUX) is set correctly.
 - Check the master VOLUME knob on the equalizer and the volume on your head unit/amplifier.
- **Distorted Sound:**
 - Reduce the volume level on the equalizer or head unit to prevent clipping.
 - Adjust the frequency band controls to ensure no single band is excessively boosted.
 - Check for loose or damaged wiring that could cause interference.
- **Uneven Sound (Left/Right):**
 - Check RCA connections for correct left and right channel pairing.
 - Adjust the FADER control to balance front and rear speakers.

If the problem persists after attempting these solutions, please contact Tbest customer support.

9. WARRANTY AND SUPPORT

Tbest products are manufactured to high-quality standards. For information regarding warranty coverage, technical support, or service, please refer to the warranty card included with your purchase or visit the official Tbest website. Please retain your proof of purchase for warranty claims.