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Lnrueg MT-X708

Lnrueg MT-X708 7-Band Car Audio Equalizer Instruction Manual

Model: MT-X708

1. Introduction

Thank you for choosing the Lnrueg MT-X708 7-Band Car Audio Equalizer. This device is designed to enhance your in-car audio experience by providing precise control over various frequency bands, allowing you to tailor the sound to your personal preferences and vehicle acoustics. This manual provides detailed instructions for installation, operation, and maintenance to ensure optimal performance and longevity of your equalizer.

2. Product Overview

The Lnrueg MT-X708 is a 7-band parametric equalizer featuring versatile input options and comprehensive controls for fine-tuning your car's audio system. It includes dedicated outputs for front, rear, and subwoofer channels.

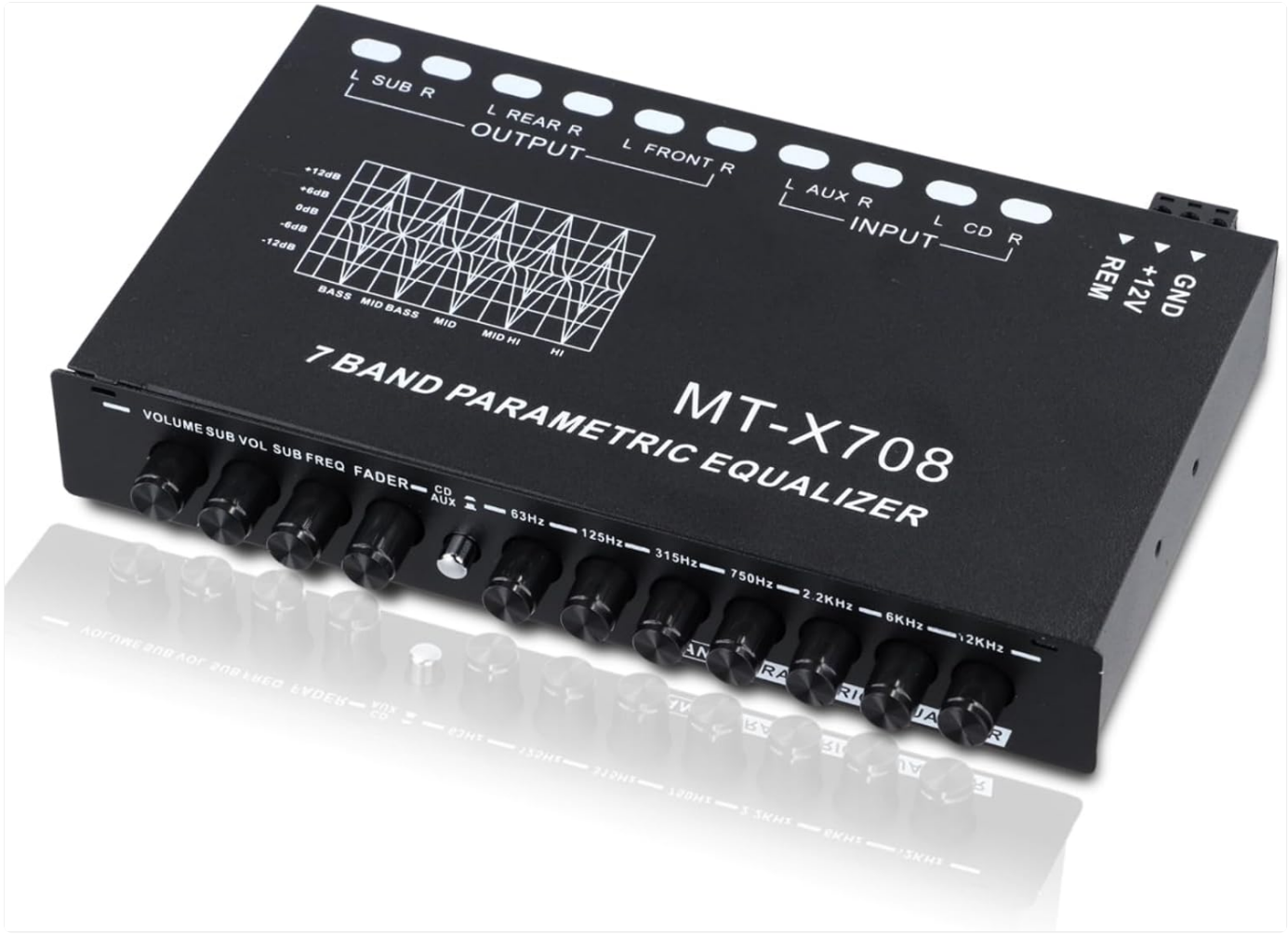


Figure 2.1: Front view of the Lnrueg MT-X708 7-Band Car Audio Equalizer.

2.1 Front Panel Controls

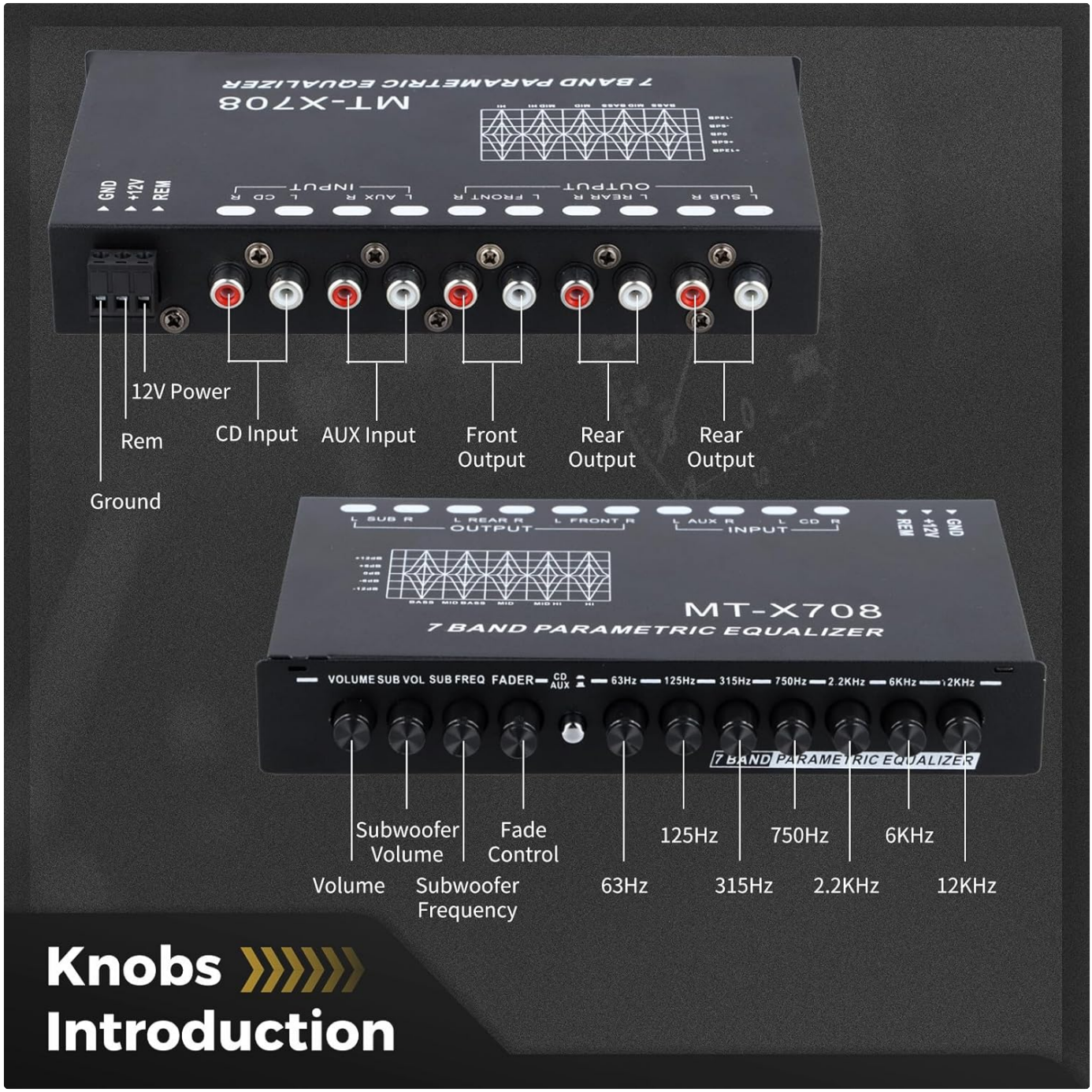


Figure 2.2: Detailed view of the equalizer's controls and connections.

- **Volume Knob:** Master volume control for the entire system.
- **Sub Vol Knob:** Adjusts the output level of the subwoofer channel.
- **Sub Freq Knob:** Sets the crossover frequency for the subwoofer output, typically ranging from 30Hz to 120Hz.
- **Fader Knob:** Balances the audio output between the front and rear speaker channels.
- **CD/AUX Input Button:** Toggles between the CD (main) and AUX (secondary) audio input sources.
- **7-Band Equalization Sliders:** Individual controls for adjusting the gain (-12dB to +12dB) of seven frequency bands: 63Hz, 125Hz, 315Hz, 750Hz, 2.2KHz, 6KHz, and 12KHz.

2.2 Rear Panel Connections

- **+12V Power Terminal:** Connects to the vehicle's positive 12V power supply.
- **REM (Remote) Terminal:** Connects to the remote turn-on lead from your head unit or ignition, activating the equalizer when the audio system is on.
- **GND (Ground) Terminal:** Connects to the vehicle's chassis ground.

- **CD Input (L/R RCA):** Main audio input from your head unit (e.g., CD player, radio).
- **AUX Input (L/R RCA):** Secondary audio input for external devices (e.g., portable media players).
- **Front Output (L/R RCA):** Connects to the input of your front speaker amplifier.
- **Rear Output (L/R RCA):** Connects to the input of your rear speaker amplifier.
- **Sub Output (L/R RCA):** Connects to the input of your subwoofer amplifier.

3. Setup and Installation

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

3.1 Mounting the Equalizer

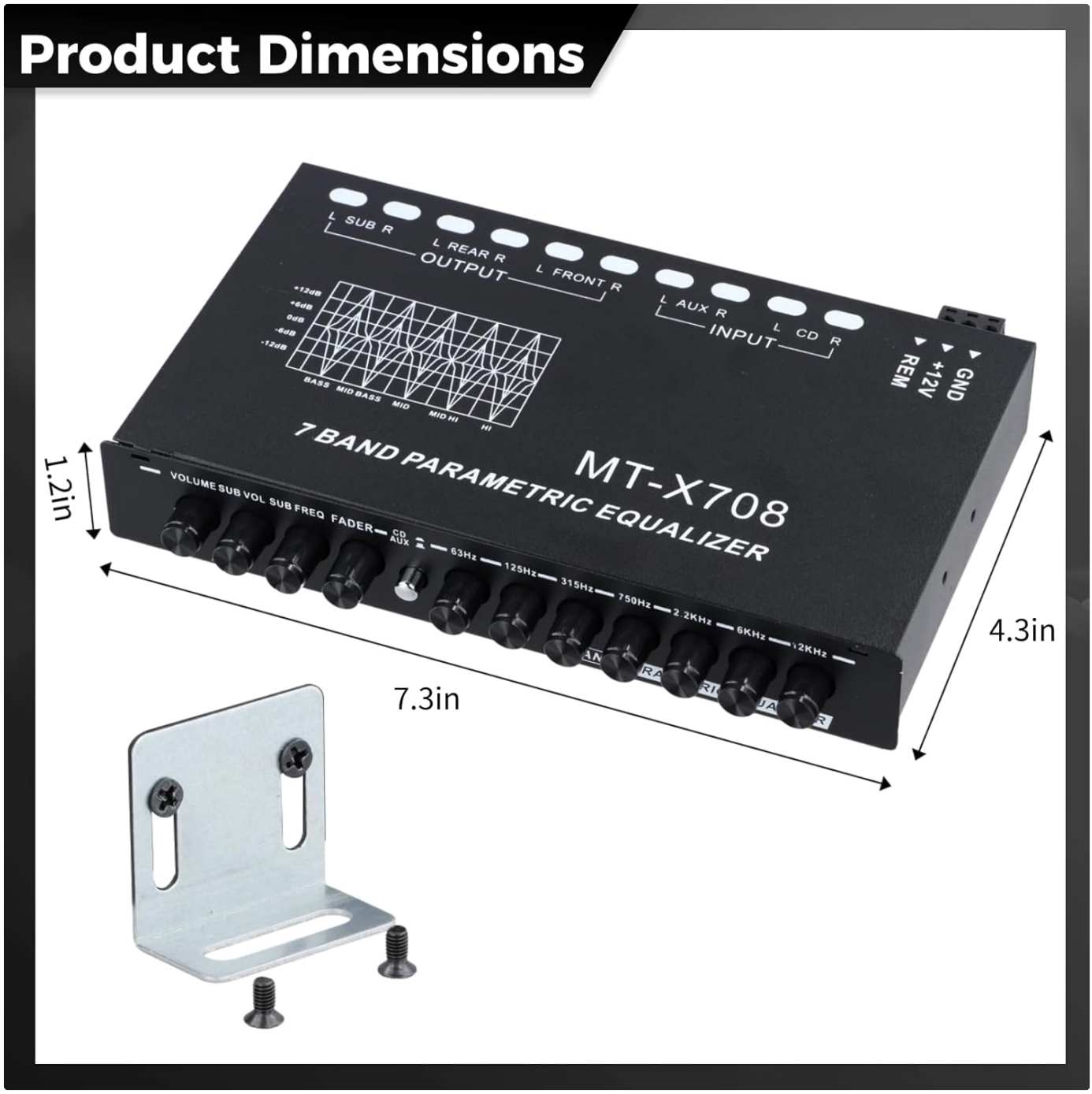


Figure 3.1: Dimensions of the equalizer for mounting reference.

- Choose a secure, dry location in your vehicle, away from direct heat or moisture. Common locations include under the dashboard, in the glove compartment, or under a seat.

- Ensure adequate ventilation around the unit.
- Use the provided mounting bracket and screws to secure the equalizer firmly. Refer to Figure 3.1 for product dimensions.

3.2 Wiring Connections

Before making any connections, disconnect the vehicle's negative battery terminal to prevent electrical shorts.

1. **Power Connection:**
    - Connect the **+12V** terminal to a fused constant +12V power source from the vehicle's battery.
    - Connect the **GND** terminal to a clean, bare metal chassis ground point in the vehicle.
    - Connect the **REM** terminal to the remote turn-on lead from your head unit. This will turn the equalizer on and off with your head unit.
2. **Audio Input Connection:**
    - Connect the RCA outputs from your head unit (CD/Radio) to the **CD Input** RCAs on the equalizer.
    - If using an auxiliary device, connect its audio output to the **AUX Input** RCAs.
3. **Audio Output Connection:**
    - Connect the **Front Output** RCAs to the front channel inputs of your amplifier.
    - Connect the **Rear Output** RCAs to the rear channel inputs of your amplifier.
    - Connect the **Sub Output** RCAs to the subwoofer channel input of your amplifier.

Once all connections are made, reconnect the vehicle's negative battery terminal.

4. Operating Instructions

Follow these steps to operate your Lnrueg MT-X708 equalizer and customize your audio experience.

1. **Power On:** Ensure your head unit is turned on. The equalizer will power on automatically via the remote turn-on connection.
2. **Select Input Source:** Press the **CD**/**AUX** button to switch between your primary (CD) and auxiliary (AUX) audio sources.
3. **Adjust Master Volume:** Use the **Volume** knob to set the overall listening level. Start with a low volume and gradually increase it.
4. **Set Subwoofer Levels:**
    - Adjust the **Sub Vol** knob to control the bass output level from your subwoofer.
    - Use the **Sub Freq** knob to set the desired crossover point for the subwoofer, determining which low frequencies are sent to it.
5. **Balance Front/Rear:** Use the **Fader** knob to adjust the audio balance between your front and rear speakers.
6. **Equalization Adjustment:**
    - Individually adjust the 7 equalization sliders (63Hz, 125Hz, 315Hz, 750Hz, 2.2KHz, 6KHz, 12KHz) to boost or cut specific frequency ranges.
    - Move a slider up to **+12dB** to boost that frequency, or down to **-12dB** to cut it.
    - Experiment with different settings to achieve your desired sound profile. For example, boosting 63Hz and 125Hz can enhance bass, while adjusting 2.2KHz and 6KHz can affect vocal clarity.

5. Maintenance

To ensure the longevity and proper functioning of your equalizer, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the unit. Avoid using harsh chemicals, solvents, or abrasive cleaners, as these can damage the finish and controls.
- **Ventilation:** Ensure that the equalizer's mounting location allows for adequate airflow to prevent overheating. Do not block any ventilation openings.
- **Connections:** Periodically check all wiring connections to ensure they are secure and free from corrosion. Loose connections can lead to poor audio quality or intermittent operation.
- **Environmental Factors:** Protect the unit from extreme temperatures, direct sunlight, and excessive moisture.

6. Troubleshooting

If you encounter issues with your equalizer, refer to the following troubleshooting guide before seeking professional assistance.

Problem	Possible Cause	Solution
No power to the equalizer	• Blown fuse • Loose power/ground/remote wire • Head unit not providing remote signal	• Check and replace fuse if necessary • Verify all power, ground, and remote connections are secure • Ensure head unit is on and remote output is functioning
No sound output	• Incorrect input selected • Loose RCA connections • Amplifier not powered on • Volume knob set too low	• Press CD/AUX button to select correct input • Check all RCA cables for secure connection • Verify amplifier is powered and functioning • Increase the Volume knob on the equalizer
Distorted or poor sound quality	• Input gain too high • Equalizer settings are extreme • Poor quality RCA cables	• Reduce input gain from head unit or equalizer volume • Adjust EQ sliders to a more neutral position • Use high-quality shielded RCA cables
Subwoofer output not working	• Sub Vol knob set too low • Sub Freq knob set too low • Loose subwoofer RCA connection • Subwoofer amplifier issue	• Increase the Sub Vol knob • Adjust the Sub Freq knob to a higher setting • Check RCA connections to the subwoofer amplifier • Verify subwoofer amplifier is powered and functioning correctly

7. Specifications

- **Model:** MT-X708
- **Power Supply:** DC 12V
- **Equalization Bands:** 7 (63Hz, 125Hz, 315Hz, 750Hz, 2.2KHz, 6KHz, 12KHz)
- **Gain Range per Band:** -12dB to +12dB
- **Subwoofer Frequency Range:** 30Hz to 120Hz
- **Inputs:** CD (L/R RCA), AUX (L/R RCA)

- **Outputs:** Front (L/R RCA), Rear (L/R RCA), Subwoofer (L/R RCA)
- **Product Dimensions:** 7.3 x 4.3 x 1.2 inches (18.5 x 10.9 x 3.0 cm)
- **Item Weight:** 1.16 pounds (0.53 kg)

8. Warranty and Support

This Lnrueg MT-X708 7-Band Car Audio Equalizer comes with a **2-year warranty** from the date of purchase, covering defects in materials and workmanship under normal use.
For warranty claims, technical support, or any questions regarding your product, please contact Lnrueg customer service through the retailer where the product was purchased or visit the official Lnrueg website for contact information.
Please retain your proof of purchase for warranty validation.

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