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› Memphis Audio EQL7 7-Band Graphic Equalizer Instruction Manual

Memphis EQL7

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Model: EQL7

1. INTRODUCTION

Thank you for choosing the Memphis Audio EQL7 7-Band Graphic Equalizer. This device is designed to provide precise control over your car audio system's sound frequencies, allowing you to fine-tune your listening experience. The EQL7 features a 1/2 DIN chassis, 8V output, and a signal-to-noise ratio greater than 96dB, ensuring clean and powerful audio.

Please read this manual thoroughly before installation and operation to ensure proper use and to maximize the performance and longevity of your equalizer.

2. SAFETY INFORMATION

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.

- Always disconnect the vehicle's battery before installing or servicing any electrical components.
- Ensure all wiring is properly routed and secured to prevent damage from moving parts or sharp edges.
- Use appropriate gauge wiring for power and ground connections to prevent overheating and potential fire hazards.
- Do not operate the equalizer in wet conditions or expose it to excessive moisture.
- Seek professional installation if you are unsure about any part of the installation process.

3. FEATURES

- 1/2 DIN 7-Band Pre-Amp/Graphic EQ
- 8V Output for powerful signal delivery
- >96dB Signal-to-Noise Ratio for clear audio
- Auxiliary Input for external audio sources
- Blue LED Backlight for enhanced visibility and aesthetics

4. SETUP AND INSTALLATION

The Memphis Audio EQL7 is designed for easy integration into most car audio systems. Proper installation is crucial for optimal performance.

4.1 Wiring Connections

Refer to the diagram below for typical wiring connections. Ensure all connections are secure and properly insulated.



Figure 1: Side view of the Memphis Audio EQL7, illustrating the power, ground, remote, and various RCA input/output connections.

- **Power (+12V):** Connect to a switched +12V source (e.g., ignition wire).
- **Ground (GND):** Connect to a solid chassis ground point.
- **Remote (REM):** Connect to the remote turn-on output of your head unit or other signal source.
- **Main In:** Connect RCA cables from your head unit's main output.
- **Aux In:** Connect RCA cables from an auxiliary audio source.
- **Front Out:** Connect RCA cables to your front amplifier inputs.
- **Rear Out:** Connect RCA cables to your rear amplifier inputs.
- **Sub Out:** Connect RCA cables to your subwoofer amplifier inputs.

4.2 Mounting

The EQL7 is a 1/2 DIN unit and can be mounted in a suitable location in your vehicle, such as under the dashboard, in the center console, or in a custom panel. Ensure the mounting location allows for adequate ventilation and easy access to controls.

5. OPERATING INSTRUCTIONS

The EQL7 provides intuitive controls for precise audio adjustment.



Figure 2: Top view of the Memphis Audio EQL7, highlighting the various control knobs for volume, fader, subwoofer level, and the 7 equalization bands.

5.1 Front Panel Controls

- **Sub Level:** Adjusts the output level of the subwoofer channel.
- **Volume:** Controls the overall master volume of the system.
- **Main/Aux Switch:** Selects between the main input and the auxiliary input.
- **Fader:** Balances the audio output between the front and rear channels.
- **Equalization Bands (50Hz, 125Hz, 315Hz, 750Hz, 2.2kHz, 6kHz, 16kHz):** Each knob allows you to boost or cut the audio level at its specific frequency by up to +/-12dB. Adjust these to tailor the sound to your preference and vehicle acoustics.

6. MAINTENANCE

The Memphis Audio EQL7 is designed for reliable operation with minimal maintenance. Keep the unit clean and free from dust and debris. Use a soft, dry cloth for cleaning. Avoid using harsh chemicals or abrasive cleaners.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No Power	Blown fuse; improper power/ground/remote connection	Check and replace fuse; verify all power, ground, and remote wires are securely connected.
No Audio Output	Incorrect input/output connections; volume too low; fader setting incorrect	Verify RCA connections; increase volume; adjust fader.
Distorted Sound	Input gain too high; equalization settings extreme	Reduce input gain on the equalizer or head unit; adjust EQ bands to a less extreme setting.

Problem	Possible Cause	Solution
Noise/Humming	Poor ground connection; RCA cables too close to power wires	Ensure a solid ground connection; re-route RCA cables away from power wires.

If you continue to experience issues, please contact Memphis Audio customer support.

8. SPECIFICATIONS

- **Item Weight:** 1.3 pounds
- **Product Dimensions:** 9 x 7 x 3 inches
- **Item Model Number:** EQL7
- **Display Type:** LED (Blue LED backlight)
- **Signal-to-Noise Ratio:** >96dB
- **Output Voltage:** 8V

9. WARRANTY

The Memphis Audio EQL7 comes with a 1-Year Manufacturer Warranty. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, refer to the official Memphis Audio website or contact customer support.

10. SUPPORT

For technical assistance, troubleshooting, or general inquiries, please visit the official Memphis Audio website or contact their customer support team. You can find contact information and additional resources on their website.

Online Resources: [Memphis Audio Official Website](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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