

## MB Quart QXD-216

# MB Quart QXD-216 Q Series Passive Crossover Instruction Manual

Model: QXD-216

## INTRODUCTION

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This manual provides essential information for the proper installation, operation, and maintenance of your MB Quart QXD-216 Q Series Passive Crossovers. These crossovers are designed to optimize audio performance in car audio systems by separating audio frequencies for component speakers and tweeters. Please read these instructions carefully before installation.

## PRODUCT OVERVIEW

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The MB Quart QXD-216 is a 2-way passive crossover network engineered for high-fidelity sound reproduction. It features a crossover frequency of 2400 Hz with a slope of 12/18 dB, ensuring precise frequency distribution to your woofers and tweeters. Each unit is designed for durability and optimal performance.



Figure 1: Internal components of the QXD-216 crossover, highlighting the quality construction and protective fuse.

## SETUP AND INSTALLATION

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Proper installation is crucial for optimal performance and longevity of your crossovers. Ensure all connections are secure and correctly polarized.

- 1. Mounting Location:** Select a dry, well-ventilated location for mounting the crossovers. Avoid areas exposed to direct sunlight, excessive heat, or moisture. The unit generates heat during operation, so adequate ventilation is essential.
- 2. Wiring Connections:**
  - **Input:** Connect the audio signal from your amplifier to the 'Input' terminals on the crossover. Ensure correct polarity (+ to + and - to -).
  - **Woofers Output:** Connect your component woofer speakers to the 'W+' and 'W-' terminals.
  - **Tweeters Output:** Connect your tweeters to the 'T+' and 'T-' terminals.
- 3. Tweeter Level Adjustment:** The QXD-216 crossovers feature tweeter level adjustment options (A, B, C, D) to fine-tune the tweeter output to match your listening preferences and vehicle acoustics. Refer to the connection diagram for specific settings.



Figure 2: Connection terminals and tweeter level adjustment points on the QXD-216 crossover.



Figure 3: Side view illustrating the compact form factor and heat dissipation design of the crossover.

## OPERATING INSTRUCTIONS

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Once properly installed, the MB Quart QXD-216 passive crossovers operate automatically. They divide the full-range audio signal from your amplifier into appropriate frequency bands for your woofers and tweeters, ensuring each speaker receives only the frequencies it is designed to reproduce. This results in clearer sound, improved imaging, and enhanced overall audio quality.

No user adjustments are required during normal operation beyond the initial tweeter level setting.

## MAINTENANCE

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The MB Quart QXD-216 crossovers are designed for long-term, maintenance-free operation. However, the following general guidelines can help ensure their longevity:

- Keep the crossovers dry and free from dust and debris.
- Ensure adequate ventilation around the units to prevent overheating.
- Periodically check all wiring connections for tightness and corrosion.
- If a fuse is present and blows, replace it with a fuse of the exact same type and rating to prevent damage to the crossover or connected components.

## TROUBLESHOOTING

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If you experience issues with your audio system after installing the QXD-216 crossovers, consider the following troubleshooting steps:

- **No Sound or Distorted Sound:**
  - Check all wiring connections to ensure they are secure and correctly polarized. Incorrect polarity can lead to phase issues and poor sound quality.
  - Verify that the amplifier is powered on and functioning correctly.
  - Inspect the crossover for any visible damage or blown fuses.
  
- **Imbalanced Sound (e.g., one side louder than the other):**
  - Check the tweeter level settings on both crossovers to ensure they are set identically.
  - Verify that the amplifier's balance settings are centered.
  
- **Poor High-Frequency or Low-Frequency Response:**
  - Ensure the correct speakers are connected to the 'W' (woofer) and 'T' (tweeter) terminals.
  - Adjust the tweeter level settings to achieve the desired balance.

If problems persist, consult a professional car audio installer or contact MB Quart customer support.

## SPECIFICATIONS



Figure 4: Product label with key specifications and warnings.

Feature	Specification
Brand	MB Quart
Model Number	QXD-216

Crossover Frequency	2400 Hz
Crossover Slope	12/18 dB
Power Handling	90 - 170 W
Audio Output Mode	Stereo
Number of Audio Channels	2.0
Surround Sound Channel Configuration	2.0
Mounting Type	Tabletop Mount ( <i>Note: Refers to general mounting, not necessarily a table.</i> )
Compatible Vehicle Type	Car
Item Weight	6 Pounds (approximate for the pair)
UPC	884938312400
Manufacturer	MB Quart

## WARRANTY INFORMATION

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The MB Quart QXD-216 Passive Crossovers come with a **Limited Warranty**. The specific terms and duration of this warranty may vary by region and retailer. Please retain your proof of purchase for warranty claims.

For detailed warranty information, including coverage and claim procedures, please refer to the documentation provided with your purchase or contact MB Quart customer support directly.

## SUPPORT

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For technical assistance, installation questions, or warranty inquiries, please contact your authorized MB Quart dealer or visit the official MB Quart website for customer support resources.