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Memphis PRX60C

Memphis Audio PRX60C Power Reference Series 6.5" Component Speakers Instruction Manual

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Memphis Audio PRX60C Power Reference Series 6.5-inch component speakers. Please read this manual thoroughly before installation and use to ensure proper function and longevity of your product. Retain this manual for future reference.



Image: Complete Memphis Audio PRX60C component speaker system.

SAFETY INFORMATION

Observe the following safety precautions during installation and operation:

- Always disconnect the vehicle's battery negative terminal before beginning any electrical work to prevent short circuits.
- Ensure all wiring is properly insulated and secured to prevent damage from sharp edges or moving parts.
- Do not mount speakers in locations that obstruct vehicle operation or safety features.
- Use appropriate personal protective equipment, such as safety glasses, during installation.
- Consult a professional installer if you are unsure about any part of the installation process.
- Avoid prolonged exposure to high volume levels, which can cause hearing damage.

PACKAGE CONTENTS

Verify that all items are present in your package:

- Two (2) 6.5-inch Woofers with Polypropylene Cone and Butyl Rubber Surround
- Two (2) 1-inch Poly Dome Tweeters
- Two (2) Passive Crossover Networks
- Mounting Hardware (screws, clips, etc.)

SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. Follow these steps carefully.

General Installation Guidelines

- Choose suitable mounting locations that provide adequate clearance and structural integrity.
- Ensure proper ventilation around the speakers to prevent overheating.
- Run speaker wires away from power cables to minimize noise interference.
- Observe correct polarity (+ to + and – to –) for all speaker connections.

Woofer Installation

The 6.5-inch woofers are designed for mounting in standard 6.5-inch speaker openings. Ensure the mounting surface is flat and secure.



Image: Top view of the 6.5-inch woofer.

1. Carefully place the woofer into the mounting hole.
2. Align the mounting holes on the speaker frame with the pre-drilled holes in the mounting surface.
3. Secure the woofer using the provided screws, tightening them evenly to prevent distortion of the speaker frame.
4. Connect the speaker wires to the woofer terminals, ensuring correct polarity. The positive terminal is typically marked with a '+' symbol or a larger tab.



Image: Rear view of the 6.5-inch woofer showing terminals.

Tweeter Installation

The 1-inch tweeters can be flush-mounted or surface-mounted depending on your vehicle's interior and desired sound staging.



Image: Top view of the 1-inch tweeter.

1. **Flush Mount:** Cut a circular hole of the appropriate diameter (refer to template if provided) in the desired location. Insert the tweeter and secure it with the flush-mount hardware.
2. **Surface Mount:** Use the surface-mount cup and screws to attach the tweeter to a flat surface.
3. Angle the tweeters towards the listening position for optimal high-frequency dispersion.
4. Connect the tweeter wires to the appropriate terminals on the crossover network.

Crossover Network Connection

The passive crossover networks separate the audio signal into high frequencies for the tweeters and low frequencies for the woofers, ensuring each speaker receives the correct signal range.



Image: Two passive crossover networks.

1. Mount the crossover networks in a dry, accessible location, away from heat sources and moisture.
2. Connect the main audio input from your amplifier or head unit to the 'IN' terminals on the crossover network (typically marked '+IN' and '-IN').
3. Connect the woofer to the 'LF' terminals (Low Frequency) on the crossover network (typically marked '+LF' and '-LF').
4. Connect the tweeter to the 'HF' terminals (High Frequency) on the crossover network (typically marked '+HF' and '-HF').
5. Ensure all connections are secure and observe correct polarity.

OPERATING YOUR SPEAKERS

Once installed, your Memphis Audio PRX60C component speakers are ready for use. Begin with your audio system's volume at a low setting and gradually increase it to a comfortable listening level. Adjust the balance and fader controls on your head unit to optimize the sound stage within your vehicle. Avoid operating the speakers at excessively high volumes for extended periods to prevent damage.

MAINTENANCE

To ensure the longevity and performance of your speakers, follow these simple maintenance guidelines:

- Regularly inspect speaker grilles and cones for any signs of damage or debris.
- Clean the speaker grilles and surrounds with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners.
- Ensure all wiring connections remain secure. Loose connections can lead to intermittent sound or damage.
- Protect speakers from direct sunlight and extreme temperatures when possible.

TROUBLESHOOTING

If you encounter issues with your speakers, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
No sound from speakers	Loose or incorrect wiring connections; Amplifier not powered; Head unit settings.	Check all wiring connections for proper polarity and security. Verify amplifier power and head unit output settings.
Distorted sound	Volume too high; Amplifier clipping; Incorrect gain settings; Damaged speaker.	Reduce volume. Check amplifier gain settings. Inspect speaker cones for physical damage.
Lack of bass or treble	Incorrect crossover wiring; EQ settings; Speaker polarity reversed.	Verify crossover connections. Adjust head unit EQ. Check speaker polarity.
Intermittent sound	Loose wiring; Faulty connection.	Inspect all wiring for loose connections or frayed wires.

SPECIFICATIONS

Technical specifications for the Memphis Audio PRX60C component speakers:

Feature	Detail
Model Name	PRX60C
Speaker Type	Component
Woofer Diameter	6.5 Inches
Tweeter Diameter	1 Inches
Speaker Maximum Output Power	100 Watts
Impedance	4 Ohms
Frequency Response	20 KHz (Upper limit, typical for tweeters)
Material	Plastic (general component material)
Item Weight	4.8 Pounds (total package)
Product Dimensions	17.4"D x 8.3"W x 5.8"H (package dimensions)
UPC	702588206606

WARRANTY AND SUPPORT

Memphis Audio products are designed and manufactured to the highest quality standards. This product comes with a Limited Warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Memphis Audio website. For technical support, troubleshooting assistance, or to inquire about authorized service centers, please contact Memphis Audio customer service or visit their official brand store.

You can find more information and support by visiting the [Memphis Audio Store](#).

