MAC AUDIO 110 4871

MAC AUDIO Premium X 16.2 16.5 cm 2-Way Coaxial Car Speaker User Manual

Model: 110 4871

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your MAC AUDIO Premium X 16.2 16.5 cm 2-Way Coaxial Car Speaker. Please read this manual thoroughly before installation and use to ensure proper function and longevity of the product. Retain this manual for future reference.

SAFETY INSTRUCTIONS

- Always disconnect the vehicle's battery before performing any electrical work to prevent short circuits and electrical shock.

- Ensure all wiring is properly insulated and secured to prevent damage from vibration or abrasion.

- Do not install speakers in locations that obstruct the driver's view or interfere with vehicle safety systems (e.g., airbags).

- Use appropriate tools for installation. If unsure, seek professional assistance.

- Avoid exposing speakers to excessive moisture or extreme temperatures.

- Operate the audio system at reasonable volume levels to prevent hearing damage and ensure awareness of traffic conditions.

SETUP AND INSTALLATION

The MAC AUDIO Premium X 16.2 speaker is designed for flush mount installation in compatible vehicle locations. Proper installation is crucial for optimal sound performance and product durability.

Mounting

1. **Preparation:** Identify suitable mounting locations in your vehicle. Ensure there is sufficient depth and clearance for the speaker. The speaker has a diameter of 16.5 cm (6.5 inches).

2. **Cutting Template:** Use a template (often included with the speaker or available from the manufacturer) to mark the cutting area. Carefully cut the opening in the vehicle panel.

3. **Speaker Placement:** Position the speaker into the prepared opening. Ensure it sits flush and securely.

4. **Securing:** Use the provided screws and mounting hardware to firmly attach the speaker to the vehicle panel. Do not overtighten.

Wiring

The Premium X 16.2 is a 2-way coaxial system with an impedance of 4 ohms. Proper wiring ensures correct audio signal delivery and prevents damage to the speaker or amplifier.

- **Polarity:** Connect the positive (+) terminal of the speaker to the positive (+) output of your amplifier or head unit. Connect the negative (-) terminal of the speaker to the negative (-) output. Incorrect polarity can lead to poor sound quality.
- **Cable Gauge:** Use appropriate gauge speaker wire for your installation. Thicker wire is generally recommended for longer runs or higher power applications.
- **Power Handling:** The speaker has a rated power of 80 watts and a maximum load capacity of 220 watts. Ensure your amplifier's output power is compatible with these specifications to avoid damage.

An image showing the front view of the MAC AUDIO Premium X 16.2 coaxial car speaker. The speaker features a black frame with a blue cone and a central tweeter, designed for flush mounting in a vehicle.

OPERATING INSTRUCTIONS

Once properly installed and connected, your MAC AUDIO Premium X 16.2 speakers are ready for use. These speakers are designed to reproduce audio signals from your car's head unit or amplifier.

- **Audio Source:** Select your desired audio source (radio, CD, Bluetooth, etc.) from your car's head unit.
- **Volume Control:** Adjust the volume to a comfortable listening level. Avoid prolonged listening at excessively high volumes to prevent speaker damage and hearing loss.
- **Sound Settings:** Utilize your head unit's equalizer and sound settings (bass, treble, balance, fader) to fine-tune the audio output to your preference. The speaker's transmission range is 38 Hz to 26 kHz.
- **Break-in Period:** New speakers may benefit from a short "break-in" period (typically 10-20 hours of normal use) to allow the suspension components to loosen, potentially improving sound quality.

MAINTENANCE

Regular, simple maintenance can help preserve the appearance and performance of your speakers.

- **Cleaning:** Use a soft, dry cloth to gently wipe dust and dirt from the speaker grilles and surrounds. Do not use harsh

chemicals or abrasive cleaners.

- **Inspection:** Periodically check the speaker mounting screws to ensure they are still secure. Inspect wiring for any signs of wear or damage.

- **Environmental Protection:** While designed for automotive use, avoid direct exposure to extreme elements like heavy rain or direct sunlight for extended periods if possible, especially if installed in open-air environments.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from speaker	o Loose or disconnected wiring o Incorrect polarity o Amplifier/head unit issue o Speaker damage	o Check all speaker wire connections at both the speaker and amplifier/head unit. o Verify correct positive (+) and negative (-) connections. o Test with another known-good speaker or audio source. o Inspect speaker cone for visible damage.
Distorted sound	o Volume too high o Incorrect amplifier gain settings o Loose mounting o Damaged speaker	o Reduce volume. o Adjust amplifier gain to match head unit output. o Ensure speaker is securely mounted. o Inspect speaker for physical damage.
Weak or unbalanced sound	o Incorrect balance/fader settings o Partial wiring issue o Incorrect polarity on one speaker	o Check head unit balance and fader settings. o Inspect wiring for intermittent connections. o Verify polarity for all speakers.

SPECIFICATIONS

Model Name	Premium X 16.2
Item Model Number	110 4871
Brand	MAC AUDIO
Speaker Type	Car, 2-Way Coaxial System
Mounting Type	Flush Mount
Rated Power	80 Watts
Maximum Output Power	220 Watts
Impedance	4 Ohms
Transmission Range	38 Hz to 26 kHz
Item Weight	5.73 pounds

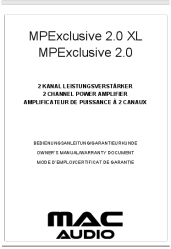| ASIN	B000SQK6SC
GTIN	04023037048711

WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or contact MAC AUDIO customer support directly. Keep your proof of purchase for any warranty claims.

If you encounter issues not covered in the troubleshooting section, or require further assistance, please contact MAC AUDIO customer service. Contact details can typically be found on the manufacturer's official website or on your product packaging. Additional protection plans may be available for purchase separately. Refer to your retailer for details on extended protection options.

Related Documents

PRO FLAT 2.20 PRO FLAT 2.16 PRO FLAT 2.13 PRO FLAT 16.2 PRO FLAT 13.2 PRO FLAT 10.2 BEDIENUNGSANLEITUNG/GARANTIEURKUNDE OWNER'S MANUAL/WARRANTY DOCUMENT MODE D'EMPLOI/CERTIFICAT DE GARANTIE **mAC** AUDIO	**MAC AUDIO PRO FLAT Series Car Speakers User Manual and Technical Data** Comprehensive user manual and technical specifications for the MAC AUDIO PRO FLAT series car speakers, including installation guides, connection diagrams, and warranty information.
MPExclusive 2.0 XL MPExclusive 2.0 2 KANAL LEISTUNGSVERSTÄRKER 2 CHANNEL POWER AMPLIFIER AMPLIFICATEUR DE PUISSANCE À 2 CANAUX BEDIENUNGSANLEITUNG/GARANTIEURKUNDE OWNER'S MANUAL/WARRANTY DOCUMENT MODE D'EMPLOI/CERTIFICAT DE GARANTIE **mAC** AUDIO	**MAC AUDIO MPExclusive 2.0 XL / MPExclusive 2.0 Kfz-HiFi-Leistungsverstärker Bedienungsanleitung** Entdecken Sie die MAC AUDIO MPExclusive 2.0 XL und MPExclusive 2.0 Kfz-HiFi-Leistungsverstärker. Dieses Handbuch enthält detaillierte Informationen zu Funktionen, technischen Daten und Installationsanleitungen für überragende Audio-Performance in Ihrem Fahrzeug.