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KICKER 2-CWR122

KICKER CompR 12-inch Subwoofer Enclosure User Manual

Model: 2-CWR122

1. INTRODUCTION

This manual provides detailed instructions for the proper installation, operation, and maintenance of your KICKER CompR Subwoofer Enclosure system. Please read this manual thoroughly before use to ensure optimal performance and longevity of your product.

2. WHAT'S INCLUDED

The package includes the following components:

- Pair (QTY 2) of Kicker 48VCWR122 CompR 12" 1000 Watt Peak Power 2 Ohm Black Car Audio Subwoofer Enclosures
- 50 feet 16 Gauge Speaker Wire



Image: Two Kicker CompR 12-inch subwoofer enclosures (black, rectangular) and a spool of 50 feet of 16-gauge copper-clad aluminum speaker wire. The subwoofers feature a black cone with a red stitched surround and a Kicker logo in the center.

3. SPECIFICATIONS

Feature	Detail
Model Name	2-CWR122
Speaker Type	Subwoofer
Speaker Size	12 Inches
Peak Power Handling	1000 Watts
RMS Power Handling	500 Watts

Impedance	2 Ohms
Tuning Frequency	36 Hz
SNR	90.8 dB
Woofer Cone Material	Polypropylene
Surround Material	Santoprene
Cooling Technology	Forced-Air Cooling
Enclosure Construction	MDF (Medium-Density Fiberboard)
Product Dimensions	10"D x 10"W x 10"H (per enclosure)
Speaker Wire Gauge	16 Gauge
Speaker Wire Length	50 Feet
Connectivity Technology	Wired
Mounting Type	Under Seat Mount

4. SETUP AND INSTALLATION

4.1 Safety Precautions

- Always disconnect the vehicle's battery before beginning any electrical installation.
- Ensure proper ventilation for the subwoofer enclosures to prevent overheating.
- Use appropriate tools and wear safety glasses during installation.
- If unsure about any step, consult a professional car audio installer.

4.2 Choosing a Mounting Location

The KICKER CompR subwoofer enclosures are designed for compact spaces, ideal for under-seat or behind-seat mounting. Consider the following when selecting a location:

- Space Availability:** Ensure there is sufficient clearance for the enclosure dimensions (10"D x 10"W x 10"H).
- Secure Mounting:** The enclosure must be securely fastened to prevent movement during vehicle operation.
- Wire Routing:** Plan for clean and safe routing of speaker wires to your amplifier.
- Acoustics:** Experiment with placement if possible to find the best sound performance for your vehicle's interior.

4.3 Wiring Instructions

The subwoofer enclosures have a 2 Ohm impedance. Ensure your amplifier is stable at this impedance. The included 16-gauge speaker wire is suitable for connecting the subwoofers to your amplifier.

- Prepare Wires:** Cut the 16-gauge speaker wire to the required lengths for each subwoofer. Strip approximately 0.5 inches of insulation from both ends of each wire.
- Connect to Subwoofer:** Connect the positive (+) terminal of the speaker wire to the positive terminal on the subwoofer enclosure. Connect the negative (-) terminal of the speaker wire to the negative terminal on the subwoofer enclosure. Ensure a secure connection.
- Connect to Amplifier:** Route the speaker wires to your amplifier. Connect the positive (+) wire from each

subwoofer to the corresponding positive (+) output terminal on your amplifier. Connect the negative (-) wire from each subwoofer to the corresponding negative (-) output terminal on your amplifier.

4. **Verify Polarity:** Double-check all connections to ensure correct polarity. Incorrect polarity can lead to reduced bass output and poor sound quality.

Note: For optimal performance, it is recommended to use an amplifier capable of delivering around 500 watts RMS per subwoofer at 2 Ohms.

5. OPERATING INSTRUCTIONS

Once the KICKER CompR subwoofer enclosures are properly installed and connected to an amplifier, follow these steps for operation:

1. **Power On:** Turn on your car audio system and the connected amplifier.
2. **Initial Gain Setting:** Start with the amplifier's gain control set to its minimum (lowest) position.
3. **Adjust Head Unit Volume:** Play a familiar piece of music with good bass content. Gradually increase the volume on your head unit (car stereo) until it reaches about 75% of its maximum level.
4. **Adjust Amplifier Gain:** Slowly increase the gain control on your amplifier until you hear distortion or the bass becomes muddy. Then, back off the gain slightly until the sound is clean and clear. This sets the maximum undistorted output of your amplifier.
5. **Fine-Tune Bass:** Use the bass boost, crossover, and phase controls on your amplifier or head unit to fine-tune the bass response to your preference.
6. **Listen for Distortion:** Always listen for signs of distortion (e.g., crackling, buzzing, muddy bass). If distortion is heard, reduce the volume or amplifier gain immediately to prevent damage to the subwoofers.

Important: Avoid prolonged operation at high volumes with audible distortion, as this can cause permanent damage to the subwoofers.

6. MAINTENANCE

The KICKER CompR subwoofer enclosures are designed for durability and require minimal maintenance. Follow these guidelines to ensure their longevity:

- **Cleaning:** Use a soft, dry cloth to wipe down the enclosure and subwoofer cone. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically inspect the speaker wire connections for any signs of corrosion or looseness. Ensure the enclosure is still securely mounted.
- **Environmental Conditions:** While the enclosures are robust, avoid exposing them to extreme moisture or direct sunlight for extended periods.
- **Ventilation:** Ensure that the area around the enclosures allows for proper airflow, especially for the Forced-Air Cooling system, to prevent heat buildup.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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No Sound from Subwoofers	<ul style="list-style-type: none"> ◦ Amplifier not powered on ◦ Loose or incorrect wiring ◦ Blown fuse in amplifier or power circuit ◦ Amplifier in protection mode ◦ Head unit settings (e.g., subwoofer output off) 	<ul style="list-style-type: none"> ◦ Check amplifier power indicator. ◦ Verify all speaker and power connections. ◦ Inspect and replace any blown fuses. ◦ Check amplifier for fault codes; disconnect power for a few minutes to reset. ◦ Ensure subwoofer output is enabled and volume is up on head unit.
Distorted or Muffled Bass	<ul style="list-style-type: none"> ◦ Amplifier gain set too high ◦ Incorrect crossover settings ◦ Incorrect polarity of speaker wires ◦ Damaged subwoofer 	<ul style="list-style-type: none"> ◦ Reduce amplifier gain. ◦ Adjust low-pass filter on amplifier/head unit. ◦ Verify positive and negative connections are consistent. ◦ Inspect subwoofer cone and surround for physical damage.
Weak Bass Output	<ul style="list-style-type: none"> ◦ Amplifier gain set too low ◦ Incorrect phase setting ◦ Subwoofer not receiving enough power ◦ Poor enclosure seal or damage 	<ul style="list-style-type: none"> ◦ Increase amplifier gain gradually. ◦ Try flipping the phase switch (0° or 180°) on amplifier/head unit. ◦ Ensure amplifier is providing sufficient RMS power (500W per subwoofer). ◦ Check enclosure for air leaks or damage.

8. WARRANTY AND SUPPORT

KICKER products are designed and engineered to provide years of reliable performance. This product comes with a limited warranty. Please refer to the official KICKER website or your purchase documentation for specific warranty terms and conditions.

For technical support, troubleshooting assistance, or warranty claims, please contact KICKER customer service or visit their official website:

KICKER Official Website: www.kicker.com

KICKER Store on Amazon: Visit the KICKER Store

Please have your product model number (2-CWR122) and proof of purchase ready when contacting support.