

KICKER 42CWQ122

KICKER CompQ12 Q-Class 12-Inch Subwoofer Instruction Manual

Model: 42CWQ122

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your KICKER CompQ12 Q-Class 12-Inch (30cm) Dual Voice Coil (DVC) 2-Ohm Subwoofer. Please read these instructions thoroughly before attempting installation or use to ensure optimal performance and longevity of your product.

The KICKER CompQ12 subwoofer is engineered for high-caliber bass reproduction, featuring oversized voice coils for significant power handling and robust magnets for high sound pressure levels (SPL). Its design incorporates advanced technology for precise control and durability under demanding conditions.

2. SAFETY INFORMATION

Always observe the following safety precautions:

- Disconnect the vehicle's battery before installing any audio components to prevent electrical shorts.
- Ensure all wiring is properly insulated and secured to prevent damage and short circuits.
- Avoid installing the subwoofer in locations where it may be exposed to moisture or excessive heat.
- Use appropriate gauge wiring for power and speaker connections to handle the subwoofer's power requirements.
- Prolonged exposure to high sound pressure levels can cause permanent hearing damage. Use caution when adjusting volume levels.

3. WHAT'S IN THE BOX

Upon unpacking, verify that the following item is included:

- One KICKER CompQ 12-inch Subwoofer (Model: 42CWQ122)

4. INSTALLATION

4.1 Mounting Considerations

The KICKER CompQ12 subwoofer requires a suitable enclosure for optimal performance. Ensure the mounting location

provides adequate space and structural integrity to support the subwoofer's weight and output.

- **Mounting Depth:** 7-1/8 inches (18.1 cm)
- **Product Dimensions (Overall):** Approximately 13.78"D x 13.78"W x 11.81"H (This refers to the overall package/product dimensions, not just the subwoofer itself. For mounting, the diameter and depth are key.)
- **Speaker Size:** 12 Inches
- **Subwoofer Diameter:** 12.5 Inches



Figure 1: Kicker CompQ12 Subwoofer with key dimensions for installation.

Ensure the enclosure provides sufficient internal volume and is constructed from sturdy materials to prevent resonance and air leaks.

4.2 Wiring the Dual Voice Coil (DVC) Subwoofer

The CompQ12 features a Dual Voice Coil (DVC) design with a 2-Ohm impedance per coil. This allows for flexible wiring configurations to match various amplifier loads. Always verify your amplifier's stable impedance range before wiring.

Common Wiring Configurations for a DVC 2-Ohm Subwoofer:

- **1-Ohm Load (Parallel Wiring):** Connect the positive terminals of both voice coils together, and the negative terminals of both voice coils together. Then connect the combined positive to the amplifier's positive output and the combined negative to the amplifier's negative output. This configuration results in a 1-Ohm load, suitable for amplifiers stable at 1-Ohm.
- **4-Ohm Load (Series Wiring):** Connect the positive terminal of one voice coil to the negative terminal of the other voice coil. Then connect the remaining free positive terminal to the amplifier's positive output and the remaining free negative terminal to the amplifier's negative output. This configuration results in a 4-Ohm load, suitable for amplifiers stable at 4-Ohm.



Figure 2: Angled view of the Kicker CompQ12 Subwoofer, showing the robust construction.



Figure 3: Front view of the Kicker CompQ12 Subwoofer, highlighting the cone and surround.

The subwoofer features high-capacity, dual voice-coil push terminals designed to accommodate up to 8-gauge wire for secure and efficient current flow.

5. OPERATION

Once properly installed and wired, the KICKER CompQ12 subwoofer is ready for operation. Ensure your amplifier settings (gain, crossover, bass boost) are correctly configured to prevent damage to the subwoofer and achieve desired sound quality.

- **Continuous Power Handling (RMS):** 850 Watts
- **Frequency Response:** 20 – 100 Hz
- **Rated Impedance:** 2 Ohms (per voice coil)

Start with low volume levels and gradually increase, listening for any signs of distortion. Adjust amplifier settings as

needed. The subwoofer is designed to handle significant power, but exceeding its RMS rating or driving it into audible distortion can cause damage.

6. MAINTENANCE

The KICKER CompQ12 subwoofer requires minimal maintenance. Follow these guidelines to ensure its longevity:

- Keep the subwoofer cone and surround free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing the subwoofer to direct sunlight or extreme temperatures for extended periods.
- Regularly check all wiring connections to ensure they are secure and free from corrosion.
- Do not apply any chemicals or solvents to the subwoofer's cone or surround.

7. TROUBLESHOOTING

If you experience issues with your KICKER CompQ12 subwoofer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from subwoofer	Power issue to amplifier	Check amplifier power, ground, and remote turn-on connections.
	Incorrect wiring	Verify all speaker wires are correctly connected and secure.
	Amplifier in protect mode	Check amplifier for fault indicators; reset if necessary.
	Damaged subwoofer	Inspect subwoofer for physical damage.
Distorted or unclear bass	Amplifier gain set too high	Reduce amplifier gain.
	Incorrect crossover settings	Adjust low-pass filter (LPF) on amplifier or head unit.
	Subwoofer enclosure issues	Check enclosure for air leaks or insufficient volume.
	Overpowering the subwoofer	Ensure amplifier RMS output does not significantly exceed subwoofer RMS handling.
Subwoofer cuts out intermittently	Loose wiring connections	Tighten all power, ground, and speaker connections.
	Amplifier overheating	Ensure amplifier has adequate ventilation.
	Impedance mismatch	Re-check wiring configuration to ensure it matches amplifier's stable impedance.

8. SPECIFICATIONS

Feature	Specification
Model Name	42CWQ122
Speaker Type	Subwoofer
Speaker Size	12 Inches
Subwoofer Diameter	12.5 Inches

Feature	Specification
Mounting Depth	7-1/8 inches (18.1 cm)
Continuous Power Handling (RMS)	850 Watts
Peak Power Handling	1700 Watts
Rated Impedance	2 Ohms (Dual Voice Coil)
Frequency Response	20 – 100 Hz
Item Weight	29.7 Pounds (13.47 kg)
Product Dimensions (Overall)	13.78"D x 13.78"W x 11.81"H
Compatible Devices	Car Stereo, MP3 Player, Laptop
Connectivity Technology	Wired
Manufacturer	Kicker
UPC	713034073574

9. WARRANTY AND SUPPORT

The KICKER CompQ12 Subwoofer 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 KICKER website.

For technical support, troubleshooting assistance, or to inquire about service, please contact KICKER customer support or visit the official KICKER store online:

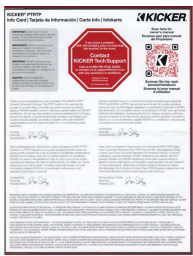
Visit the KICKER
Store





[Kicker HS10 Hideaway Powered Subwoofer Enclosure Owner's Manual](#)

Owner's manual for the Kicker HS10 Hideaway powered subwoofer enclosure, detailing specifications, installation, wiring, troubleshooting, and warranty information.



[KICKER PTRTP Powered Subwoofer Enclosure Owner's Manual](#)

This owner's manual for the KICKER PTRTP (PTRTP10, PTRTP12) powered subwoofer enclosure details installation, wiring, operation, and troubleshooting. Learn about its thin-profile, down-firing design, integrated KICKER amplifier, and passive radiator technology for powerful bass.



[KICKER Solo-Baric L5 Subwoofer Enclosure Owner's Manual](#)

This manual provides detailed information on the KICKER Solo-Baric L5 Subwoofer Enclosure, including features, specifications, installation instructions, and warranty details. Learn how to optimize performance and ensure proper installation for your vehicle.



[KICKER KXMA1500.1 Mono Amplifier Owner's Manual](#)

Comprehensive owner's manual for the KICKER KXMA1500.1 mono amplifier, detailing performance specifications, installation guides, operation instructions, gain matching, troubleshooting, and warranty information.



[KICKER HS10 Hideaway Powered Subwoofer Enclosure Owner's Manual](#)

This manual provides instructions for installing and operating the KICKER HS10 Hideaway Powered Subwoofer Enclosure. It includes specifications, wiring diagrams, troubleshooting tips, and warranty information.

