

Jensen J4W12

Jensen J4W12 12-Inch High Performance Subwoofer Instruction Manual

Model: J4W12

1. SAFETY INFORMATION

Please read all instructions carefully before installing and operating your Jensen J4W12 subwoofer. Failure to follow these instructions may result in serious injury or damage to the product or vehicle.

- Always disconnect the vehicle's negative battery terminal before beginning any electrical work.
- Ensure all wiring is properly insulated and secured to prevent short circuits and damage.
- Avoid installing the subwoofer in locations where it may be exposed to moisture or excessive heat.
- Professional installation is recommended for optimal performance and safety.
- Do not operate the subwoofer at excessively high volumes for prolonged periods, as this may cause hearing damage.

2. WHAT'S IN THE BOX

Your Jensen J4W12 package includes the following items:

- 1 x Jensen J4W12 Subwoofer

3. PRODUCT FEATURES

The Jensen J4W12 subwoofer is engineered to deliver powerful and clear bass for your car audio system.

- **12-Inch High Performance Polypropylene Subwoofer:** Designed to provide deep and profound bass.
- **Double Stitched Rubber Injected Surround:** Ensures accurate and loud music with better heat resistance, internal damping, enhanced bass response, and reliability during high excursion rates.
- **Low Resonance Basket Design:** Isolates unnecessary vibrations for consistent low resonance and accurate bass.
- **Steel Stamped Reinforced Structure:** Strong and flexible design to increase linearity and allow greater movement at peak demands for studio-quality sound.
- **Digitally Optimized Subwoofer:** Engineered for efficient, low-sounding bass, generating 1,200 Watts Peak Power (300

Watts RMS) at 4 Ohms.



Image: Front view of the Jensen J4W12 12-inch subwoofer, showcasing its distinctive blue woofer cone and black rubber surround.

4. SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your subwoofer. Follow these guidelines for a successful setup.

4.1 Mounting Flexibility

The J4W12 is designed to work effectively in both sealed and ported enclosures. Choose an enclosure type that best suits your desired bass response and vehicle space.



Image: Jensen J4W12 subwoofer mounted within a ported enclosure, positioned in the trunk of a vehicle, demonstrating a typical installation scenario.

4.2 Wiring Diagram

Refer to the following diagram for proper wiring of your J4W12 subwoofer to an amplifier and head unit. Ensure all connections are secure and correctly polarized.



Image: A detailed wiring diagram illustrating the connection of the Jensen J4W12 subwoofer to a digital mono amplifier, which is then connected via RCA cables to a car head unit, and power/ground/remote wires to the car battery.

4.3 Installation Video

Watch this official video for a visual guide on the Jensen J4W12 subwoofer.

Video: An official product video showcasing the Jensen J4W12 12-inch subwoofer, highlighting its features and design.

5. OPERATING INSTRUCTIONS

Once installed, follow these steps to operate your subwoofer and integrate it with your car audio system.

- **Initial Power-Up:** After installation, turn on your car audio system. Start with the amplifier gain and head unit volume at their lowest settings.
- **Adjusting Gain:** Gradually increase the amplifier gain until you achieve the desired bass level without distortion. Avoid setting the gain too high, as this can lead to clipping and damage.

- **Crossover Settings:** Use your amplifier's or head unit's crossover settings to filter out high frequencies from the subwoofer, allowing it to reproduce only the low-frequency sounds it's designed for. A typical low-pass filter setting for a subwoofer is between 80Hz and 120Hz.
- **Phase Control:** Experiment with the phase switch (0° or 180°) on your amplifier to find the setting that provides the most impactful and cohesive bass response with your other speakers.
- **Bass Boost:** The J4W12 features Bass Boost. Use this feature sparingly and with caution to avoid overdriving the subwoofer.
- **Device Compatibility:** The subwoofer is designed to integrate with car audio systems that can be connected to various devices such as smartphones, tablets, and laptops via the head unit.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Jensen J4W12 subwoofer, follow these simple maintenance tips:

- **Cleaning:** Regularly wipe the subwoofer cone and surround with a soft, dry cloth to remove dust and debris. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check the wiring connections to ensure they are tight and free from corrosion. Inspect the subwoofer surround for any signs of cracks or damage.
- **Environmental Protection:** Keep the subwoofer away from direct sunlight, extreme temperatures, and moisture. If installed in a trunk, ensure it is not exposed to heavy objects that could cause physical damage.
- **Proper Usage:** Avoid continuously playing the subwoofer at maximum volume or with excessive bass boost, as this can lead to overheating and premature failure.

7. TROUBLESHOOTING

If you encounter issues with your Jensen J4W12 subwoofer, refer to the following troubleshooting guide:

7.1 No Sound from Subwoofer

- **Check Power:** Ensure the amplifier is receiving power and its power indicator light is on. Check the fuse on the amplifier and in the vehicle's power line.
- **Check Connections:** Verify all wiring connections (power, ground, remote, RCA, speaker wires) are secure and correctly connected.
- **Amplifier Settings:** Confirm the amplifier's gain is not set to minimum, and the crossover is correctly configured (e.g., LPF enabled).
- **Head Unit Output:** Ensure the head unit is sending an audio signal to the amplifier (check RCA connections and head unit settings).

7.2 Distorted or Weak Bass

- **Gain Setting:** Reduce the amplifier's gain if the sound is distorted. If the bass is weak, gradually increase the gain.
- **Crossover Adjustment:** Adjust the low-pass filter (LPF) on your amplifier or head unit. If the LPF is set too high, the subwoofer may play frequencies it's not designed for, causing distortion.
- **Phase Setting:** Try switching the phase (0° or 180°) on your amplifier. Incorrect phase can cause bass cancellation.
- **Enclosure Integrity:** Check the subwoofer enclosure for any air leaks or damage, which can negatively impact bass performance.

- **Power Supply:** Ensure your vehicle's electrical system can adequately supply power to the amplifier. A weak power supply can lead to weak or distorted bass.

8. SPECIFICATIONS

Detailed technical specifications for the Jensen J4W12 12-inch Subwoofer:

Feature	Specification
Model Number	J4W12
Brand	Jensen
Subwoofer Size	12 inches
Peak Power	1200 Watts
RMS Power	300 Watts
Impedance	4 Ohms
Woofer Cone Material	Polypropylene
Surround Material	Double Stitched Rubber Injected
Basket Design	Low Resonance, Steel Stamped Reinforced
Connectivity Technology	Wired
Special Feature	Bass Boost
Product Dimensions	11 x 11 x 5.75 inches
Item Weight	10.32 pounds
Color	Blue
UPC	827204121863

9. WARRANTY

The Jensen J4W12 subwoofer comes with a standard **2-year warranty**. This warranty can be extended to a **3-year warranty** when registered online with Jensenmobile.com.

Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accident, modification, improper installation, or unauthorized repair.

10. SUPPORT

For technical assistance, troubleshooting, or warranty inquiries, please contact Jensen customer support:

- **Website:** Visit www.jensenmobile.com for product information, FAQs, and support resources.
- **Online Registration:** Register your product online to activate your extended warranty and receive important updates.