

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [Audiopipe](#) /

› [Audiopipe TS-CVR12 12-inch Car Subwoofer Instruction Manual](#)

Audiopipe TSCVR12

Audiopipe TS-CVR12 12-inch Car Subwoofer Instruction Manual

Model: TSCVR12

INTRODUCTION

Thank you for choosing the Audiopipe TS-CVR12 12-inch Car Subwoofer. This manual provides essential information for the proper installation, operation, and maintenance of your subwoofer to ensure optimal performance and longevity. Please read this manual thoroughly before installation and use.

SAFETY INFORMATION

- Always disconnect the vehicle's battery before performing any electrical work.
- Ensure all wiring is properly insulated and secured to prevent short circuits and damage.
- Use appropriate gauge wiring for power and speaker connections to handle the subwoofer's power requirements.
- Mount the subwoofer securely to prevent movement during vehicle operation, which could cause injury or damage.
- Avoid exposing the subwoofer to excessive moisture or extreme temperatures.
- Do not operate the subwoofer at distortion levels, as this can cause permanent damage to the speaker and amplifier.

WHAT'S IN THE BOX

Upon unpacking, please verify that the following item is included:

- Audiopipe TS-CVR12 Subwoofer (1 unit)



Image 1: The Audiopipe TS-CVR12 12-inch subwoofer, showing its overall design and cone.

SETUP AND INSTALLATION

Proper installation is crucial for the performance and safety of your subwoofer. If you are unsure about any steps, consult a professional car audio installer.

Mounting

- The TS-CVR12 requires a mounting depth of 6 inches. Ensure your enclosure or mounting location provides adequate clearance.
- Secure the subwoofer firmly to its enclosure using appropriate screws and mounting hardware.
- Consider the enclosure type (sealed, ported) based on your desired sound characteristics and the subwoofer's specifications.



Image 2: Top view of the Audiopipe TS-CVR12 subwoofer, highlighting the cone and surround.

Wiring

The TS-CVR12 features a Dual Voice Coil (DVC) design with an impedance of 2 x 4 Ohms. This allows for flexible wiring configurations to match your amplifier's capabilities.

- **Parallel Wiring (2 Ohms):** 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 results in a 2 Ohm load.
- **Series Wiring (8 Ohms):** Connect the positive terminal of one voice coil to the negative terminal of the other voice coil. Then connect the remaining positive terminal to the amplifier's positive output and the remaining negative terminal to the amplifier's negative output. This results in an 8 Ohm load.
- **Independent Wiring (4 Ohms per coil):** If your amplifier has two channels or is stable at 4 Ohms per channel, you can wire each voice coil to a separate channel.

Recommendation: For optimal performance and to maintain cooler operation, wiring the subwoofer to a 4 Ohm load (if using a single amplifier channel) is often recommended. Consult your amplifier's manual for stable impedance loads.



Image 3: Rear view of the Audiopipe TS-CVR12 subwoofer, displaying the dual voice coil terminals for wiring.

OPERATING INSTRUCTIONS

Once installed, follow these guidelines for proper operation:

- **Initial Power-Up:** After installation, turn on your car audio system at a low volume. Gradually increase the volume and bass levels to ensure all connections are secure and the subwoofer is functioning correctly.
- **Gain Setting:** Adjust the gain on your amplifier carefully. The gain knob is not a volume control; it matches the output voltage of your head unit to the input sensitivity of your amplifier. Setting the gain too high can lead to distortion and damage.
- **Crossover Settings:** Use your amplifier's or head unit's low-pass filter (LPF) to send only low frequencies to the subwoofer. A typical LPF setting for a 12-inch subwoofer might be between 80Hz and 120Hz, depending on your other speakers.
- **Avoid Clipping:** If you hear distorted or "clipped" sound, immediately reduce the volume or amplifier gain. Continuous clipping can severely damage the subwoofer's voice coils.
- **Break-in Period:** Allow a break-in period of several hours of moderate use before operating the subwoofer at maximum levels. This allows the suspension components to loosen up, improving performance and longevity.

MAINTENANCE

The Audiopipe TS-CVR12 subwoofer requires minimal maintenance. Follow these simple steps to keep it in good condition:

- **Cleaning:** Use a soft, dry cloth to gently wipe down the cone and surround. Avoid using harsh chemicals or excessive moisture.
- **Inspection:** Periodically check the speaker terminals and wiring connections to ensure they are secure and free from corrosion.
- **Environmental Protection:** Protect the subwoofer from direct sunlight, extreme heat, and moisture, which can degrade materials over time.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No Sound from Subwoofer	Power cable disconnected or fuse blown. RCA cables disconnected or faulty. Speaker wires disconnected or shorted. Amplifier in protection mode or off. Head unit settings incorrect.	Check power connections and amplifier fuse. Verify RCA connections from head unit to amplifier. Inspect speaker wiring for secure connections and shorts. Check amplifier status; ensure it's powered on and not in protection. Confirm subwoofer output is enabled and volume is up on head unit.
Distorted Sound	Amplifier gain set too high. Crossover settings incorrect. Damaged subwoofer or amplifier. Poor quality audio source.	Reduce amplifier gain until distortion disappears. Adjust LPF settings to prevent higher frequencies from reaching the subwoofer. Inspect subwoofer cone and surround for physical damage. Test with another amplifier if possible. Try a different audio source to rule out source issues.
Weak or Muffled Bass	Subwoofer wired out of phase. Insufficient amplifier power. Incorrect enclosure size or type. Gain set too low.	Reverse the polarity of one voice coil or the entire subwoofer connection at the amplifier. Ensure amplifier power matches subwoofer RMS rating. Verify enclosure volume and tuning are appropriate for the subwoofer. Increase amplifier gain gradually.

SPECIFICATIONS

Feature	Detail
Model Number	TSCVR12

Feature	Detail
Speaker Type	Woofer
Subwoofer Diameter	12 Inches
Peak Power (P.M.P.O.)	750 Watts
RMS Power	375 Watts
Frequency Response	25-1200 Hz
Sensitivity	89dB
Voice Coil	2" 4-Layer Dual Voice Coil (BASV)
Impedance	2 x 4 Ohms (DVC)
Magnet Weight	60 Oz.
Basket Material	Powdered Black Paint Steel Basket
Mounting Depth	6 Inches
Product Dimensions (D x W x H)	14.25"D x 14.25"W x 8.5"H
Item Weight	13.7 Pounds
Connectivity Technology	Wired
Recommended Uses	For Vehicle Audio Systems

WARRANTY INFORMATION

The Audiopipe TS-CVR12 Subwoofer comes with a **Limited Warranty**. Please refer to the official Audiopipe website or contact customer support for detailed terms and conditions regarding warranty coverage, duration, and claims procedures.

CUSTOMER SUPPORT

For further assistance, technical support, or inquiries regarding your Audiopipe TS-CVR12 subwoofer, please visit the official Audiopipe store or contact their customer service department.

Audiopipe Official Store: <https://www.amazon.com/stores/Audiopipe/page/2ED5C619-69FA-4E92-89EB-4EA4B3BC7459>