

Lanzar VCT2610

Lanzar VCT2610 2-Channel 6000 Watt MOSFET Car Audio Amplifier Instruction Manual

Model: VCT2610

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Lanzar VCT2610 2-Channel 6000 Watt MOSFET Car Audio Amplifier. Please read this manual thoroughly before attempting installation or operation to ensure proper use and to prevent damage to the unit or your vehicle's audio system. The Lanzar VCT2610 amplifier is designed to deliver high-quality audio performance for your car stereo system.

SAFETY INFORMATION

- **Professional Installation Recommended:** Installation of car audio components can be complex. If you are unsure about any part of the installation process, seek assistance from a qualified professional installer.
- **Disconnect Battery:** Always disconnect the vehicle's negative battery terminal before starting any electrical work to prevent short circuits and electrical shock.
- **Proper Wiring:** Ensure all wiring is correctly connected and insulated to prevent short circuits, overheating, and potential fire hazards. Use appropriate gauge wires for power and ground connections.
- **Ventilation:** Mount the amplifier in a location that allows for adequate air circulation to prevent overheating. Avoid mounting in enclosed spaces without ventilation.
- **Fuse Protection:** The amplifier is equipped with internal fuses. Ensure external fuse protection is also used on the main power wire near the battery.
- **Avoid Moisture:** Do not expose the amplifier to moisture or water.
- **Secure Mounting:** Securely mount the amplifier to prevent it from becoming a projectile in the event of a sudden stop or accident.

WHAT'S IN THE BOX

The Lanzar VCT2610 amplifier package includes the following items:

- 1 x Lanzar VCT2610 2-Channel Car Stereo Amplifier

COMPACT AND STURDY DESIGN

Slim size allows for easy installation while heavy-duty construction ensures durability.



Image: The Lanzar VCT2610 amplifier shown with its packaging, highlighting its dimensions (21.97 inches length, 10.63 inches width) and confirming the inclusion of the 2-Channel Car Stereo Amplifier.

FEATURES

The Lanzar VCT2610 amplifier incorporates several features designed for optimal audio performance and reliability:

- **High Power Output:** Delivers 3000W x 2 at 4 ohms or 6000W x 1 bridged at 2 ohms for robust audio.
- **Full Range Crossovers:** Features low/high pass variable crossover for precise audio tuning.
- **MOSFET Power Supply:** Utilizes Metal Oxide Semiconductor Field-Effect Transistors for efficient power delivery.
- **Short Circuit Protection:** Equipped with 2x40 amp maxi type fuses to protect against thermal, overload, and short circuit conditions.
- **Slim Size Design:** Compact dimensions (10.63"W x 1.78"H x 21.97"L) for flexible installation.
- **Silver-Plated RCA Ports:** Ensures high conductivity and minimal signal loss.
- **Fully Protected Circuitry:** Integrated protection mechanisms for enhanced durability.

SETUP AND INSTALLATION

Careful installation is crucial for the performance and longevity of your amplifier. Follow these steps for proper setup.

Mounting the Amplifier

Choose a mounting location that provides adequate ventilation and is protected from moisture. The slim design of the VCT2610 allows for versatile placement. Ensure the amplifier is securely fastened to a solid surface using the provided mounting hardware.



Image: The Lanzar VCT2610 amplifier installed in a vehicle's trunk, illustrating its compact and sturdy design for easy integration.

Wiring Connections

Refer to the diagrams below for proper wiring of power, ground, remote, and audio signals.

WHAT'S IN THE BOX

2 Channel Car Stereo Amplifier

21.97"

10.63"

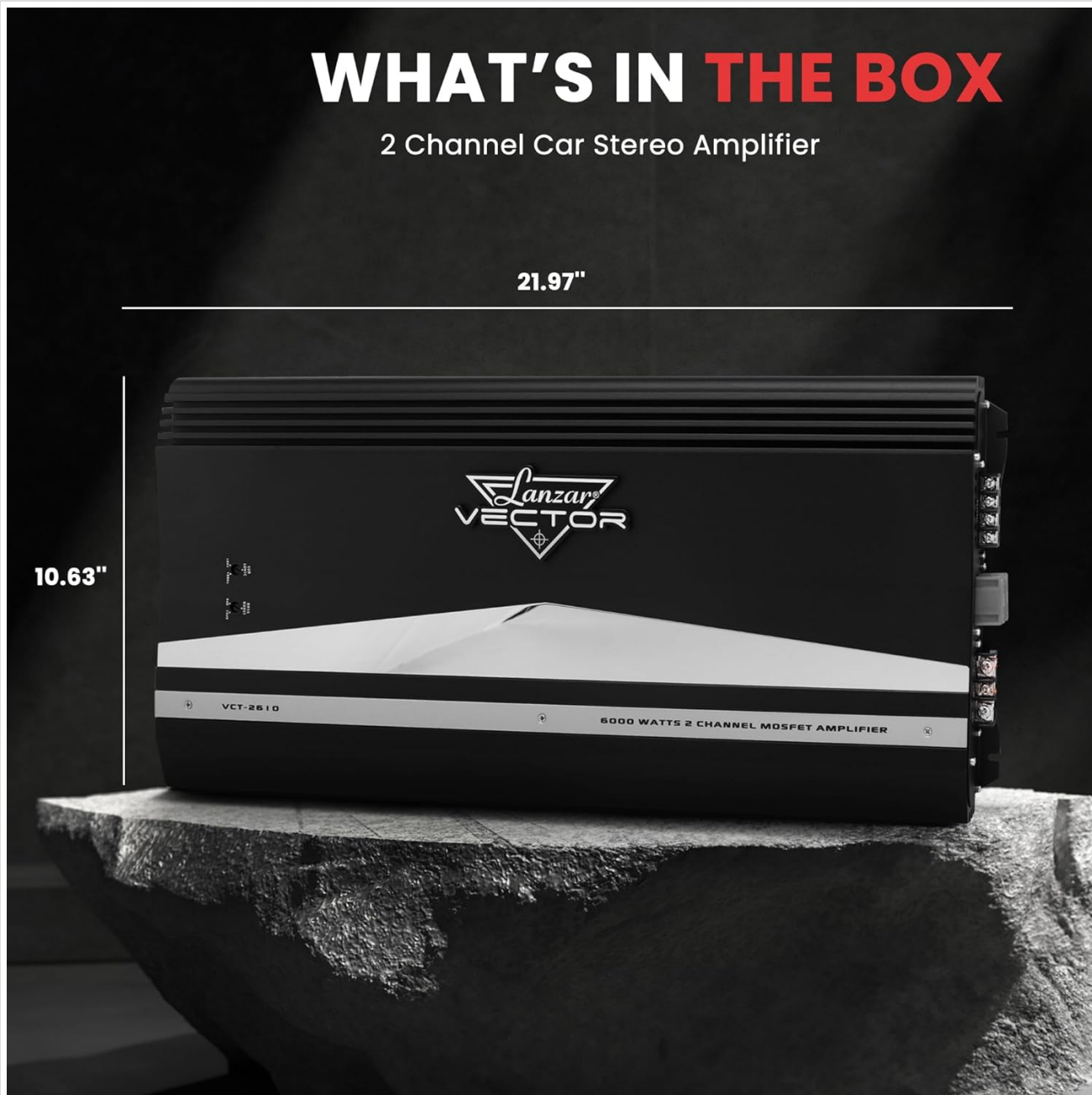


Image: Rear panel of the Lanzar VCT2610 amplifier, detailing the power supply terminals (GND, REM, +12V), dual 60A power fuses, and speaker output connections.

Power Supply Terminals

- **GND (Ground):** Connect this terminal to a clean, unpainted metal surface of the vehicle chassis. Ensure a strong, low-resistance connection.
- **REM (Remote Turn-On):** Connect this terminal to the remote turn-on output of your head unit. This wire signals the amplifier to turn on and off with your car's audio system.
- **+12V (Power):** Connect this terminal directly to the positive terminal of your vehicle's battery. An inline fuse holder with an appropriate fuse (not included, but recommended in addition to the amplifier's internal fuses) should be installed within 18 inches of the battery.

Speaker Connections

Connect your speakers to the 'SPEAKER' terminals. Ensure correct polarity (+ to + and - to -) for optimal sound quality. The VCT2610 supports 2-channel stereo operation or can be bridged for mono output.

RCA Input and Line Output

Connect your head unit's RCA outputs to the 'INPUT' RCA jacks on the amplifier. The 'LINE OUT' RCA jacks

provide an unamplified signal for connecting additional amplifiers in a multi-amplifier setup.

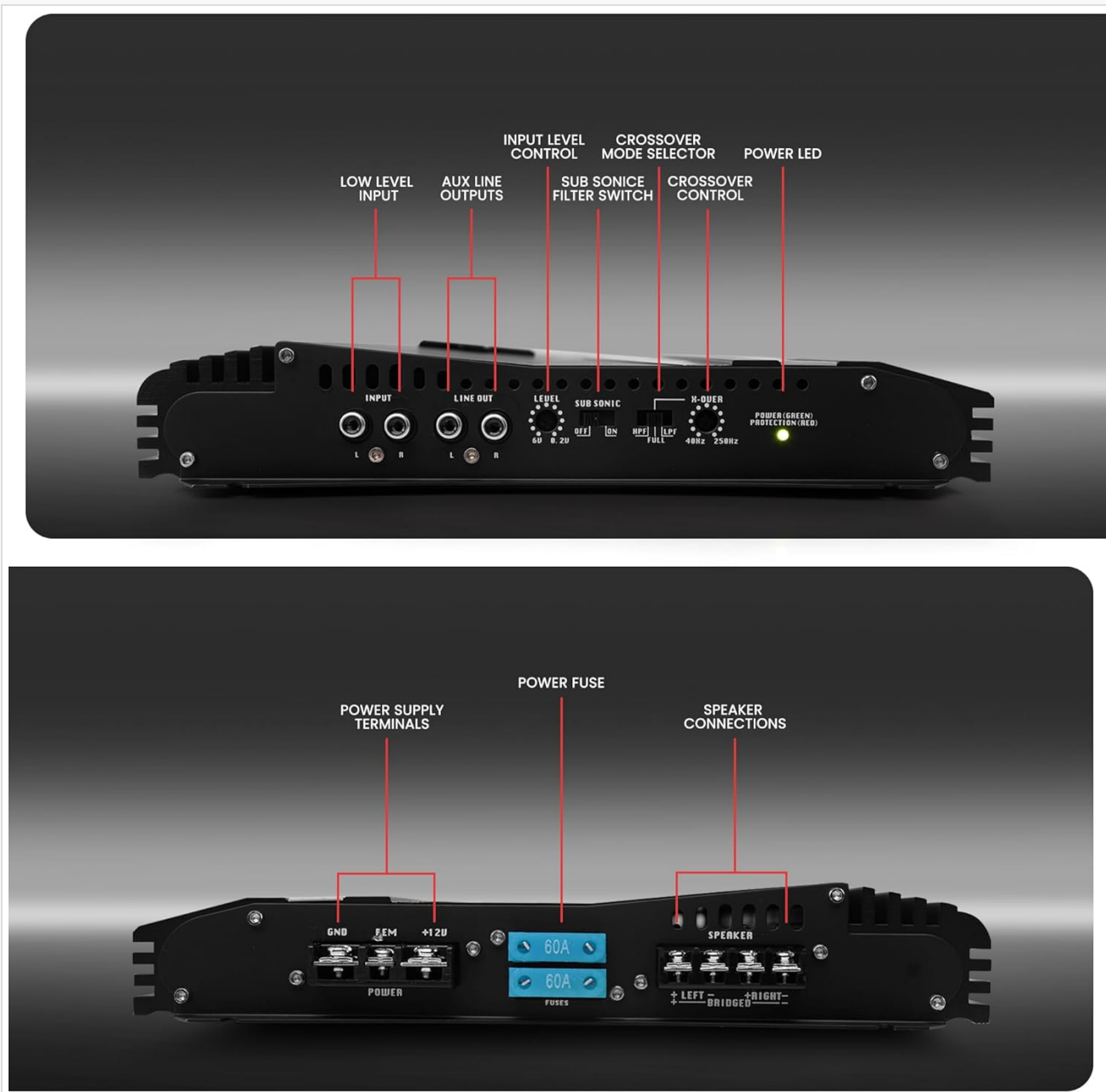


Image: Top panel of the Lanza VCT2610 amplifier, displaying the Low Level Input, Aux Line Outputs, Input Level Control, Sub Sonic Filter Switch, Crossover Mode Selector, Crossover Control, and Power LED.

OPERATING INSTRUCTIONS

Once the amplifier is correctly installed and wired, you can adjust its settings for optimal audio performance.

Controls and Indicators

- **Low Level Input (RCA):** Connect your head unit's RCA pre-outs here.
- **Aux Line Outputs (RCA):** Provides a full-range signal for daisy-chaining to other amplifiers.
- **Input Level Control (GAIN):** Adjusts the input sensitivity of the amplifier to match the output level of your head unit. Start with the gain at minimum and slowly increase until desired volume is achieved without distortion.
- **Sub Sonic Filter Switch:** Engages a filter to remove extremely low frequencies that are inaudible and can waste amplifier power.

- **Crossover Mode Selector (HPF/FULL/LPF):**
 - **HPF (High Pass Filter):** Allows frequencies above the set crossover point to pass through, typically used for full-range speakers.
 - **FULL:** Bypasses the crossover, allowing all frequencies to pass through.
 - **LPF (Low Pass Filter):** Allows frequencies below the set crossover point to pass through, typically used for subwoofers.
- **Crossover Control (FREQ):** Adjusts the frequency point for the High Pass or Low Pass filter, depending on the Crossover Mode selected.
- **Bass Boost Control:** Increases the bass output at a specific frequency. Use sparingly to avoid distortion.
- **Power LED (Green):** Illuminates when the amplifier is powered on and operating normally.
- **Protection LED (Red):** Illuminates if the amplifier enters protection mode due to overheating, short circuit, or other fault conditions.

MAINTENANCE

To ensure the longevity and optimal performance of your Lanzar VCT2610 amplifier, follow these simple maintenance guidelines:

- **Keep Clean:** Regularly wipe the amplifier's exterior with a soft, dry cloth to remove dust and dirt. Avoid using harsh chemicals or abrasive cleaners.
- **Ensure Ventilation:** Periodically check that the amplifier's cooling fins are free from obstructions to allow for proper heat dissipation.
- **Check Connections:** Occasionally inspect all power, ground, remote, and speaker connections to ensure they are secure and free from corrosion. Loose connections can lead to poor performance or damage.
- **Fuse Inspection:** If the amplifier stops working, check the internal fuses (2x40A maxi type) and any external fuses. Replace blown fuses only with fuses of the same type and rating.

TROUBLESHOOTING

If you experience issues with your amplifier, consult the following troubleshooting guide before contacting support.

Problem	Possible Cause	Solution
No Power / Power LED Off	Blown fuse (internal or external) Loose power or ground connection No remote turn-on signal	Check and replace fuses. Verify all power and ground connections are secure. Ensure remote wire is connected and receiving +12V from head unit.
Protection LED On	Overheating Speaker short circuit Low impedance load	Allow amplifier to cool down; ensure proper ventilation. Check speaker wires for shorts to ground or each other. Verify speaker impedance matches amplifier's capabilities.
No Sound Output	No input signal Incorrect gain setting Speaker wires disconnected	Check RCA input connections from head unit. Adjust input level (gain) control. Verify speaker connections are secure.

Problem	Possible Cause	Solution
Distorted Sound	Gain set too high Crossover settings incorrect Poor ground connection	Reduce input level (gain) control. Adjust crossover settings for appropriate frequency range. Ensure ground connection is clean and secure.

SPECIFICATIONS

The following are the technical specifications for the Lanzar VCT2610 amplifier:

- **Model Number:** VCT2610
- **Number of Channels:** 2
- **Output Power:** 3000 Watts RMS / 6000 Watts MAX
- **Minimum Supply Voltage:** 12 Volts
- **Item Dimensions (L x W x H):** 25.7 x 12.6 x 3.59 inches
- **Item Weight:** 13.2 pounds
- **Material:** Metal
- **Mounting Type:** Surface Mount
- **UPC:** 068888897013
- **Manufacturer:** Sound Around
- **Specification Met:** FCC, IC

WARRANTY AND SUPPORT






The Lanzar VCT2610 amplifier comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. It does not cover damage caused by improper installation, accident, misuse, abuse, negligence, unauthorized modification, or normal wear and tear. For technical support or warranty claims, please contact Lanzar customer service. Keep your proof of purchase for warranty validation.

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Related Documents - VCT2610



[Lanzar Heritage Series HTG138 & HTG158 Mono-Block Mosfet Amplifier User Manual](#)
User manual for Lanzar Heritage Series HTG138 and HTG158 mono-block mosfet car audio amplifiers. Provides detailed information on installation, wiring, control functions, troubleshooting, and technical specifications for these high-performance car audio amplifiers.

	<p>Lanzar Vibe Amplifiers User Guide: Features, Specifications, and Installation</p> <p>This user guide provides comprehensive information on Lanzar Vibe series amplifiers, including detailed features, technical specifications, installation procedures, control descriptions, system wiring diagrams, troubleshooting tips, and cleaning/storage advice. Models covered: VIBE1100N, VIBE1400N, VIBE2102N, VIBE442N, VIBE452N, VIBE452N.6.</p>
	<p>Lanzar HTG Series MOSFET Car Audio Amplifiers User's Manual</p> <p>Comprehensive user manual for Lanzar HTG series MOSFET car audio amplifiers, covering installation, operation, troubleshooting, and specifications for models HTG 888, HTG 258BT, HTG 448BT, HTG 558BT, and HTG 668BT.</p>
	<p>Lanzar Vector Series Amplifiers: Owner's Manual, Features, and Specifications</p> <p>Detailed owner's manual for Lanzar Vector series car amplifiers (VCT-2110, VCT-2210, VCT-2310, VCT-2410, VCT-2510). Includes features, specifications, installation guides, wiring diagrams, troubleshooting tips, and important precautions for optimal performance and safety.</p>
	<p>Lanzar VIBE530P 5-Band Parametric Equalizer User Guide</p> <p>User guide for the Lanzar VIBE530P 5-Band Parametric Equalizer, detailing features, controls, operations, installation, wiring, troubleshooting, and specifications.</p>
	<p>Lanzar Heritage HTGX6BTH 3 Way Active Crossover User Guide with Wireless BT</p> <p>Comprehensive user guide for the Lanzar Heritage HTGX6BTH 3 Way Active Crossover, detailing its features, specifications, functions, mounting instructions, system diagram, and troubleshooting for enhanced car audio systems with wireless Bluetooth connectivity.</p>

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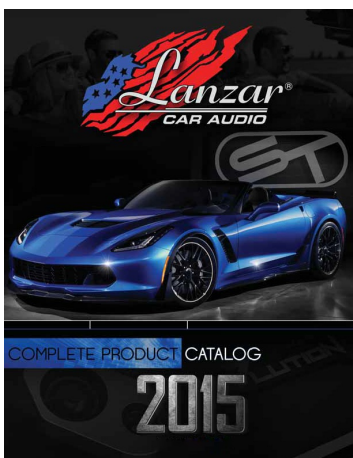
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