

Lanzar VIBE211

Lanzar VIBE211 Vibe 360 Watt 2 Channel Mosfet Amplifier User Manual

1. INTRODUCTION

This manual provides detailed instructions for the proper installation, operation, and maintenance of your Lanzar VIBE211 Vibe 360 Watt 2 Channel Mosfet Amplifier. Please read this manual thoroughly before attempting to install or operate the amplifier to ensure optimal performance and safety.

2. SAFETY INFORMATION

Always observe the following safety precautions during installation and operation:

- Disconnect the vehicle's negative battery terminal before any wiring connections are made.
- Ensure all wiring is properly routed and secured to prevent damage or short circuits.
- Use appropriate gauge wiring for power and ground connections as specified in the installation section.
- Mount the amplifier securely in a location that allows for adequate ventilation and is protected from moisture and excessive heat.
- Do not operate the amplifier if it is damaged or malfunctioning. Refer to the troubleshooting section or seek professional assistance.

3. PRODUCT OVERVIEW

The Lanzar VIBE211 is a 2-channel Mosfet amplifier designed for car audio systems. It features a bridgeable design, allowing for flexible configuration, and incorporates a regulated Mosfet power supply for stable performance. Key features include variable high/low pass crossover controls and a remote subwoofer bass control.



An angled view of the silver LanzaR VIBE211 Vibe 360 Watt 2 Channel Mosfet Amplifier, showcasing its finned heatsink design, RCA inputs, and control panel. The amplifier features text indicating 'bridgeable 2 channel amplifier', 'vibe 211', 'LanzaR vibe', '360 watts', 'high/low pass crossover', and 'regulated mosfet power supply'. A small, separate remote bass level control unit is visible in the foreground.

4. SETUP AND INSTALLATION

4.1 Mounting the Amplifier

Choose a secure mounting location that provides adequate air circulation around the amplifier's heatsink. Avoid mounting in direct sunlight or areas prone to moisture. Use the provided mounting hardware to secure the amplifier firmly to a solid surface.

4.2 Wiring Connections

Ensure all connections are tight and properly insulated to prevent short circuits.

- **Power (B+):** Connect a heavy-gauge wire (e.g., 8 AWG or larger) directly from the positive terminal of the vehicle's battery to the amplifier's B+ terminal. Install an appropriate fuse (15A) within 18 inches of the battery.
- **Ground (GND):** Connect a heavy-gauge wire of the same size as the power wire from the amplifier's GND terminal to a clean, unpainted metal surface of the vehicle chassis. Ensure a good electrical connection.

- **Remote (REM):** Connect a smaller gauge wire (e.g., 18 AWG) from the amplifier's REM terminal to the remote turn-on output of your head unit. This wire turns the amplifier on and off with your stereo.
- **RCA Inputs:** Connect the RCA audio cables from your head unit's pre-amp outputs to the amplifier's Gold RCA Inputs. The amplifier includes Line Outs for Left and Right Channels for daisy-chaining to other amplifiers.
- **Speaker Outputs:** Connect your speakers to the amplifier's speaker terminals. Observe correct polarity (+ to + and - to -). The amplifier is 2 Ohm stereo stable and bridgeable at 4 Ohms.
- **Remote Subwoofer Bass Control:** Connect the remote bass control unit to the designated port on the amplifier. Mount the control unit in an accessible location for easy adjustment.

5. OPERATING INSTRUCTIONS

5.1 Initial Power-Up

After all connections are made, reconnect the vehicle's negative battery terminal. Turn on your head unit. The amplifier features Soft Turn On/Off circuitry to prevent pops and clicks. Power Protection LED Indicators will illuminate to show operational status.

5.2 Adjusting Input Level Controls

The amplifier has Variable Input Level Controls. Start with the amplifier's input level set to minimum. Play a familiar piece of music through your head unit at about 75% of its maximum volume. Slowly increase the amplifier's input level until you hear slight distortion, then back it off slightly. This ensures the amplifier receives an optimal signal without clipping.

5.3 Crossover Settings

The amplifier features Variable High Low Pass Crossover Controls. These allow you to filter specific frequencies to your speakers or subwoofers.

- **High Pass Filter (HPF):** Used for full-range speakers to prevent low frequencies from reaching them, improving clarity.
- **Low Pass Filter (LPF):** Used for subwoofers to allow only low frequencies to pass, enhancing bass response.

Adjust these controls to match the frequency response characteristics of your speakers and subwoofers.

5.4 Bass Boost Circuit

The built-in Bass Boost Circuit allows for an increase in bass output at specific frequencies. Use this feature sparingly and adjust to your preference, avoiding excessive boosting that could lead to distortion or speaker damage.

5.5 Bridged Mode Operation

The amplifier can be bridged at 4 Ohms to combine the power of both channels into a single, higher-power output, typically for driving a subwoofer. Refer to the wiring diagram for specific instructions on bridging the amplifier.

6. MAINTENANCE

The Lanzar VIBE211 amplifier requires minimal maintenance. Periodically inspect the wiring connections for tightness and corrosion. Keep the amplifier's heatsink clean and free of dust or debris to ensure proper

cooling. Use a soft, dry cloth for cleaning the exterior.

7. TROUBLESHOOTING

If you experience issues with your amplifier, consult the following table before seeking professional service:

Problem	Possible Cause	Solution
No Power / No Sound	Blown fuse; Loose power/ground/remote wire; Faulty head unit.	Check and replace fuse; Verify all power, ground, and remote connections; Test head unit functionality.
Distorted Sound	Input level too high; Speaker impedance too low; Damaged speakers.	Adjust input level; Verify speaker impedance (2 Ohm stereo stable, 4 Ohm bridged); Inspect speakers for damage.
Amplifier Goes into Protection Mode	Overheating; Short circuit in speaker wiring; Low voltage.	Ensure adequate ventilation; Check speaker wires for shorts; Verify battery voltage and charging system.
No Bass from Subwoofer	LPF not enabled or set too high; Phase issue; Remote bass control set to minimum.	Adjust LPF setting; Check subwoofer phase; Increase remote bass control level.

8. SPECIFICATIONS

Technical specifications for the Lanzar VIBE211 amplifier:

- **Power Output (RMS @ 4 Ohms):** 2 x 90 Watts
- **Power Output (Max @ 4 Ohms):** 2 x 180 Watts
- **Power Output (Max Bridged @ 4 Ohms):** 1 x 360 Watts
- **Power Output (RMS @ 2 Ohms):** 2 x 150 Watts
- **Amplifier Type:** 2 Channel Mosfet
- **Frequency Response:** 15 Hz - 35 kHz
- **Signal-to-Noise Ratio (S/N):** 90 dB
- **Fuse Rating:** 15A
- **Dimensions (W x H x L):** 10.25 inches x 2 inches x 8 inches
- **Input Level Controls:** Variable
- **Crossover Controls:** Variable High/Low Pass
- **Stability:** 2 Ohm Stereo Stable, Bridgeable at 4 Ohms
- **Protection Circuitry:** Advanced Power Protection LED Indicators
- **Additional Features:** Remote Subwoofer Bass Control, Electronic Crossover Network, Bass Boost Circuit, Soft Turn On/Off

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The Lanza VIBE211 amplifier comes with a **1-YEAR** limited warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by improper installation, accident, misuse, abuse, negligence, or unauthorized modification.

9.2 Customer Support

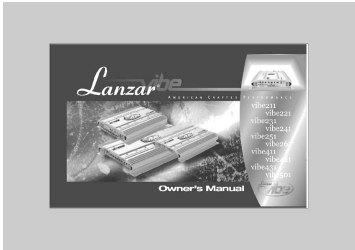
For technical assistance, troubleshooting beyond this manual, or warranty service, please contact Lanza customer support. Refer to the official Lanza website or product packaging for current contact information.

Related Documents - VIBE211

	Lanza Vibe Amplifiers User Guide: Features, Specifications, and Installation This user guide provides comprehensive information on Lanza 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.
	Lanza Heritage Series HTG138 & HTG158 Mono-Block Mosfet Amplifier User Manual User manual for Lanza 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.
	Lanza HTG Series MOSFET Car Audio Amplifiers User's Manual Comprehensive user manual for Lanza 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.
	Lanza VBE420P User Guide: 4-Band Parametric Equalizer with Subwoofer Control Comprehensive user guide for the Lanza VBE420P 4-Band Parametric Equalizer. Learn about installation, operation, controls, features, and technical specifications for your car audio system.
	Lanza VECTOR Series Car Amplifiers Owner's Manual Comprehensive owner's manual for Lanza VECTOR series car amplifiers (VCT-2110, VCT-2210, VCT-2310, VCT-2410, VCT-2510), covering features, specifications, installation, connections, and troubleshooting.

	Lanzar Vector Series Amplifiers: Owner's Manual, Features, and Specifications 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.
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Documents - Lanzar – VIBE211



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