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> CHAUVET DJ LED Lighting System (GIGBAR 2) Instruction Manual

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Brand: CHAUVET DJ | Model: GIGBAR2

1. INTRODUCTION AND OVERVIEW

The CHAUVET DJ GIGBAR 2 is a versatile 4-in-1 lighting system designed for mobile DJs and performers. It integrates multiple lighting effects into a single, easy-to-transport unit, simplifying setup and teardown.

Key features of the GIGBAR 2 include:

- Integrated LED Derby fixtures, LED pars, a laser, and high-power LED strobe lights on one bar.
- UV inclusion in pars and strobes for enhanced color mixing and effects.
- Four individually adjustable and interchangeable heads for broad coverage.
- Built-in automated and sound-activated programs for comprehensive light shows.
- Control options via display, IRC (Infrared Remote Control), wireless footswitch, or DMX.
- Master/slave capability for synchronizing multiple units.
- Includes a tripod stand, wireless footswitch, and carry bags for portability.
- Class 3R Laser with 4.9mW output or less, complying with FDA performance standards.



Figure 1.1: The CHAUVET DJ GIGBAR 2 lighting system fully assembled on its tripod stand, showcasing the integrated LED Derby, pars, laser, and strobe lights.

2. SETUP AND ASSEMBLY

Proper setup ensures optimal performance and safety of your GIGBAR 2 system. Follow these steps for quick and efficient assembly.

2.1 Unpacking and Inspection

- Carefully remove all components from the included carry bags.
- Inspect all parts for any signs of damage during transit. If any damage is found, contact your retailer immediately.
- Verify that all components are present: GIGBAR 2 light bar, tripod stand, wireless footswitch, IRC remote, power cord, and carry bags.



Figure 2.1: All components of the GIGBAR 2 system laid out, including the main light bar, tripod stand, wireless footswitch, and their respective carry bags.



Figure 2.2: The dedicated carry bag for the GIGBAR 2 light bar, designed for easy transport and protection.



Figure 2.3: The carry bag specifically designed for the GIGBAR 2 tripod stand, providing convenient storage and portability.

2.2 Tripod Stand Assembly

1. Extend the legs of the tripod stand to a stable position. The tripod has a leg width of 3.9 feet.
2. Adjust the height of the stand. The tripod minimum height is 4.8 feet, and the maximum height is 8.3 feet. Secure the height adjustment knob firmly.

2.3 Mounting the Light Bar

1. Carefully lift the GIGBAR 2 light bar and place it onto the top of the tripod stand.
2. Secure the light bar to the stand using the provided mounting hardware. Ensure it is stable and level.
3. Alternatively, use the included mounting brackets to attach the GIGBAR 2 to a truss system.



Figure 2.4: A detailed view of the GIGBAR 2 light bar, highlighting the four adjustable and interchangeable light heads, including LED pars, Derby fixtures, and strobe lights.

2.4 Connecting Power

- Connect the supplied power cord to the GIGBAR 2 and then to a suitable power outlet. The unit supports 100 to 240 VAC, 50 or 60 Hz auto-ranging input voltage.
- For power linking multiple units, connect the power output of one GIGBAR 2 to the power input of another. Up to 8 units can be power linked at 120V, and 15 units at 230V.

2.5 Wireless Footswitch Setup

- Place the wireless footswitch in a convenient location for operation.
- Ensure the footswitch is powered on (if applicable) and paired with the GIGBAR 2 according to the instructions in the footswitch's dedicated manual.



Figure 2.5: The wireless footswitch for the GIGBAR 2, featuring dedicated buttons for 'AUTO', 'MUSIC', 'COLOR', and 'BLACKOUT' modes, allowing hands-free control.

3. OPERATING INSTRUCTIONS

The GIGBAR 2 offers multiple control methods and lighting modes to suit various performance needs.

3.1 Control Panel and Display

- Navigate through menus and settings using the LCD display and control buttons on the GIGBAR 2 unit.
- Adjust parameters such as mode selection, program speed, and DMX addressing directly from the unit.

3.2 Lighting Modes

- **Automated Programs:** The GIGBAR 2 features built-in automated programs that combine all four effects (Derby, pars, laser, strobe) for a complete light show without external control.
- **Sound-Activated Mode:** In this mode, the lights react to the beat of the music detected by the unit's internal microphone.
- **DMX Control:** For advanced control, connect the GIGBAR 2 to a DMX controller using a 3-pin XLR cable. Refer to the DMX channel chart in the full user manual for detailed programming.
- **IRC Remote Control:** Use the included IRC remote for basic control over modes, colors, and effects from a distance.
- **Wireless Footswitch:** The wireless footswitch provides convenient hands-free control for common functions like switching between auto/music modes, changing colors, and activating the blackout function.

3.3 Light Effects Overview

- **LED Derby:** Produces multiple sharp, colorful beams that rotate and fill the room. Coverage Angle: 114°.
- **LED Pars:** Provide wash lighting with a wide range of colors, including UV. Beam Angle: 13°, Field Angle: 24°.
- **Laser:** Projects hundreds of red and green dots and beams, creating dynamic aerial effects. Coverage Angle: 93°.
- **Strobe Lights:** Four high-power LED strobes create exciting chase and slow-motion effects. Strobe Rate: 0 to 18 Hz. Beam Angle: 8°, Field Angle: 18°.



Figure 3.1: The GIGBAR 2 in action, illuminating a musician with vibrant blue and green laser patterns and wash lighting, demonstrating its dynamic capabilities.



Figure 3.2: An expansive view of the GIGBAR 2's blue and green laser effects, showcasing how the system can fill a performance space with intricate light patterns.

3.4 Master/Slave Operation

To synchronize multiple GIGBAR 2 units without a DMX controller, connect them in a master/slave configuration. One unit acts as the master, controlling the others (slaves). This can be done via DMX cables or wirelessly if supported by the IRC/footswitch.

4. MAINTENANCE

Regular maintenance helps prolong the life and ensure the optimal performance of your GIGBAR 2.

4.1 Cleaning

- Periodically clean the exterior of the unit with a soft, lint-free cloth.
- For optical components (lenses, laser aperture), use a specialized lens cleaning solution and cloth to avoid scratches.
- Ensure the unit is unplugged before cleaning.

4.2 Storage

- When not in use, store the GIGBAR 2 and its accessories in their respective carry bags to protect them from dust and physical damage.
- Store in a cool, dry place away from direct sunlight and extreme temperatures.

4.3 Safety Checks

- Before each use, inspect the power cord for any cuts, fraying, or damage.
- Ensure all mounting hardware is secure and tight.
- Do not operate the unit if any part is visibly damaged.

5. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your GIGBAR 2.

Problem	Possible Cause	Solution
Unit does not power on.	No power to the unit; faulty power cord; unit malfunction.	Check power outlet and connections. Try a different power cord. If problem persists, contact support.
Lights are not responding to control.	Incorrect mode selected; DMX addressing issue; footswitch/IRC not paired or out of range; blackout function active.	Verify the selected operating mode (Auto, Sound, DMX). Check DMX addressing. Ensure footswitch/IRC is paired and within range. Deactivate the blackout function using the footswitch or control panel.
Laser is not visible or weak.	Laser aperture blocked; laser module fault.	Ensure the laser aperture is clean and unobstructed. If the issue persists, contact support.
Sound-activated mode not working.	Microphone sensitivity too low; no sound input.	Increase microphone sensitivity via the control panel. Ensure there is sufficient sound for the unit to react.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please refer to the comprehensive user manual or contact CHAUVET DJ customer support.

6. TECHNICAL SPECIFICATIONS

Feature	Detail
Model Number	GIGBAR2
Dimensions (L x W x H)	15.2" x 4.3" x 46.6"
Item Weight	14.4 pounds
Power Source	Corded Electric
Input Voltage	100 to 240 VAC, 50/60 Hz (auto-ranging)
Power and Current	68 W, 1 A @ 120 V, 60 Hz; 64 W, 0.5 A @ 230 V, 50 Hz
Light Source Type	Light Emitting Diode (LED)
Number of Light Sources	8 (individual LEDs within fixtures)
Brightness	1 Lux
Color	Color Mixing, Green, Red (for laser)
Material	Plastic
Mounting Type	Tripod, Truss (with included brackets)
DMX Connectors	3-pin XLR

Feature	Detail
Strobe Rate	0 to 18 Hz
Laser Classification	Class 3R Laser (4.9mW output or less), FDA compliant
UPC	714573525296, 781462215521

7. WARRANTY INFORMATION

The CHAUVET DJ GIGBAR 2 comes with a **1-year limited warranty** from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use. Please retain your proof of purchase for warranty claims.

For detailed terms and conditions of the warranty, or to initiate a warranty claim, please refer to the official CHAUVET DJ website or contact their customer support directly.

8. CUSTOMER SUPPORT

For further assistance, technical support, or service inquiries regarding your CHAUVET DJ GIGBAR 2, please contact CHAUVET DJ customer support.

- **Official Website:** Visit the official CHAUVET DJ website for FAQs, downloads, and contact information.
- **Online Resources:** Check for updated manuals, firmware, and video tutorials.

When contacting support, please have your product model (GIGBAR2) and serial number ready to expedite assistance.