



GRAVITRON-V2

Dual Moving Head Light with Laser Effects

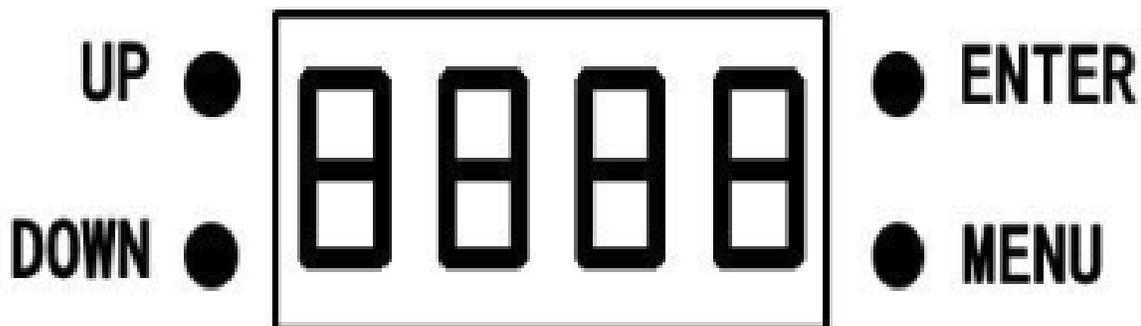
Multi-Effect DMX Stage Lighting

USER MANUAL

1. Technical Specifications

Operating Voltage	AC 100-240V, 50/60Hz
Power Consumption	Max 120W
LED Array	8×10W RGBW 4-in-1 LEDs
Golden Strobe	8×5W bright golden strobe LEDs
Red Laser	30mW
Green Laser	50mW
Cooling System	Convection cooling with intelligent temperature control
Lens	High-definition beam focusing lens
Control Protocol	DMX512 (17 channels)
Operating Modes	DMX, Master/Slave, Auto, Sound-Active
DMX Channels	17 channels
Dimming	0-100% electronic dimming
Strobe Rate	20Hz
Pan Range (X-axis)	540° rotation
Tilt Range (Y-axis)	360° continuous rotation
DMX Resolution	8/16 bit
Positioning	Electronic auto-positioning

2. Control Panel & Display



2.1 Button Functions

Button	Function
MENU	Navigate through main menu options
UP	Increase values or scroll up through options
DOWN	Decrease values or scroll down through options
ENTER	Confirm selection and save settings

3. Display Menu Instructions

No.	Display	Function	Description
1	ADDR	Set DMX start address (A001-A512)	Use UP/DOWN to modify address code for DMX
2	SHND	Select operating mode (DMX, ATO1, ATO2, SOUD)	Choose from: DMX, Auto1, Auto2, Sound Control
3	CHND	Display current working channel	Shows the channel mode the lamp is using
4	PAN	Pan motor direction	YES = Reverse X-axis rotation / NO = Normal direction
5	TIL1	Tilt motor 1 reverse	YES = Reverse rotation / NO = Normal direction
6	TIL2	Tilt motor 2 reverse	YES = Reverse rotation / NO = Normal direction
7	SOND	Sound control stop mode	Standby or slow movement selection
8	SEns	Sound sensitivity (0-100)	Adjust microphone sensitivity for sound-active mode
9	LEd	Backlight control	Turn display backlight on or off
10	DISP	Display orientation orientation	OFF = Normal / ON = Inverted
12	VER	Software version	Displays current firmware version (e.g., V104)
13	rSEt	Factory reset	Select 'Yes' to reset all settings

4. DMX Channel Configuration

This fixture uses 17 DMX channels for complete control. Set the DMX start address using the Addr menu option.

Ch	Function	Value	Description
1	Pan (X-axis)	0-255	Main rotation: 0-540°
2	Tilt Motor 1 (Y-axis 1)	0-127	0-360° positioning
		128-191	Clockwise rotation: Fast→Slow
		192-255	Counter-clockwise rotation: Slow→Fast
3	Tilt Motor 2 (Y-axis 2)	0-127	0-360° positioning
		128-191	Clockwise rotation: Fast→Slow
		192-255	Counter-clockwise rotation: Slow→Fast
4	Pan/Tilt Speed	0-255	Movement speed: Fast→Slow
5	Master Dimmer	0-255	Overall brightness: 0-100%
6	Strobe	0-10	No strobe
		11-255	Strobe speed: Slow→Fast
7	Red	0-255	Red LED intensity: 0-100%
8	Green	0-255	Green LED intensity: 0-100%
9	Blue	0-255	Blue LED intensity: 0-100%
10	White	0-255	White LED intensity: 0-100%
11	Golden	0-255	Golden LED intensity: 0-100%
12	Red Laser	0-255	Red laser intensity: 0-100%

Ch	Function	Value	Description
13	Green Laser	0-255	Green laser intensity: 0-100%
14	LED Macro	0-6	No function
		7-132	Effect 1: Slow→Fast
		133-255	Effect 2: Slow→Fast
15	Motor Macro	0-6	No function
		7-132	Fast motor movement
		133-255	Slow motor movement
16	Macro Control	0-49	Channels 1-15 active (manual control)
		50-99	Auto Program 1
		100-149	Auto Program 2
		150-255	Sound-active mode
17	Reset	0-240	No function
		241-255	Reset (3 second hold required)

5. Safety & Operational Notes

5.1 Important Notices

- Before installing and using the equipment, carefully read each item of the manual.
- This manual is only to provide relevant information, and all contents in the manual may be changed at any time without notice.
- Unless the instructions have stated otherwise, do not modify the equipment.

5.2 Safety Tips

- **Power and Ventilation:** Before installation and maintenance, confirm that power to the fixture is disconnected. Ensure that the environment around the fixture is well ventilated.
- **Indoor Use:** This lamp is designed for indoor use. Do not use this product for extended periods in humid environments.
- **Moisture Protection:** When using and maintaining, avoid the lamp from contacting water. For outdoor use, take adequate waterproof measures.
- **Qualified Personnel:** Installation, operation and maintenance personnel must be familiar with the performance of the fixture before starting operation. Most damage is caused by unfamiliarity with fixture performance.
- **Voltage:** Use AC 100-240V voltage.
- **Eye Safety:** Do not look directly at the fixture for extended periods to avoid eye discomfort.
- **Cleaning:** Wipe the fixture frequently with clean, soft cloths.

5.3 Operational Notes

Master/Slave Mode: DMX signal lines must be disconnected when operating in Master/Slave mode

Settings:

- Settings are saved automatically after pressing ENTER
- After restart, fixture automatically enters last saved function