



GRAVITRON-V3

Dual-Effect Moving Head Light with Laser Effects

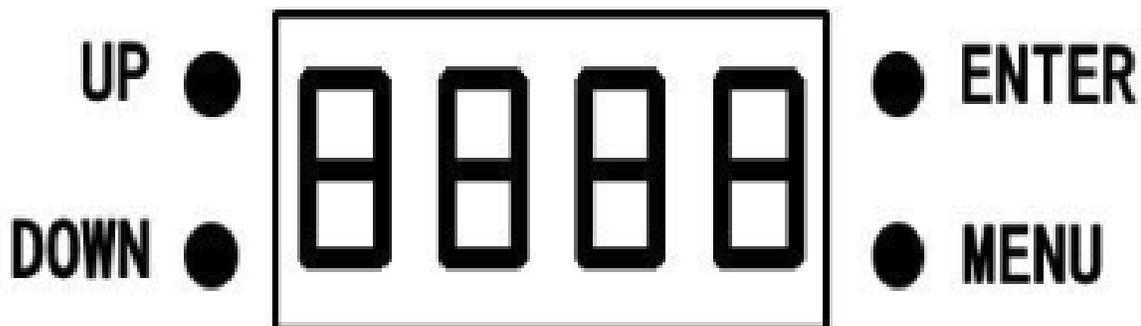
Multi-Effect DMX Stage Lighting

USER MANUAL

1. Technical Specifications

Operating Voltage	AC 95-245V, 50/60Hz
Power Consumption	Max 50W
Magic Ball LEDs	1×10W RGBW 4-in-1 LED
Beam LEDs	4×3W red, 4×3W green, 4×3W blue, 4×3W white
Red Laser	100mW
Green Laser	50mW
Control Protocol	DMX512 (16 channels)
Operating Modes	DMX, Master/Slave, Auto, Sound-Active, Remote-Control
DMX Channels	16 channels
Dimming	0-100% electronic dimming
Strobe Rate	20Hz
Pan Range (X-axis)	360° rotation

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

3.1 Menu Navigation

- Press MENU to cycle through main menu options
- Press ENTER to access the selected submenu
- Use UP/DOWN to modify values
- Press ENTER again to save and return

3.2 Menu Options

No.	Display	Function	Description
1	Addr	Set DMX start address (A001-A512)	Use UP/DOWN to modify address code for DMX
2	Chnd	Display current working channel	Shows the channel mode the lamp is using
3	Shou	Select operating mode	Choose from: d512, Red, GrEE, BluE, Wht1, LESr, Wht2, Aut1, Aut2, Sou1, Sou2 (see 3.3 Operating Modes table)
4	SEns	Sound sensitivity (0-100)	Adjust microphone sensitivity for sound-active mode
5	SPEd	Effect speed (1-9)	Control speed of programs
6	LEd	Display brightness	ON = Always on / OFF = Auto-dim after 10s
7	disp	Display orientation	OFF = Normal / ON = Inverted
8	irC	Remote control	ON = Enable remote / OFF = Disable remote
9	rSEt	Factory reset	Select 'Yes' to reset all settings

3.3 Operating Modes

Code	Mode Name	Description
d512	DMX Control	Standard DMX512 control via lighting console
Red	Red Light Only	Static red color (beam and magic ball)
GrEE	Green Light Only	Static green color (beam and magic ball)
BluE	Blue Light Only	Static blue color (beam and magic ball)
Wht1	White Light Only	Static white color (beam and magic ball)
LESr	Lasers	Red and green lasers active
Wht2	Strobe Mode	White strobe LEDs
Aut1	Auto Program 1	Beam + Magic Ball + Laser + Strobe
Aut2	Auto Program 2	Beam + Magic Ball + Laser (no strobe)
Sou1	Sound Mode 1	Sound-activated program 1
Sou2	Sound Mode 2	Sound-activated program 2

4. DMX Channel Configuration

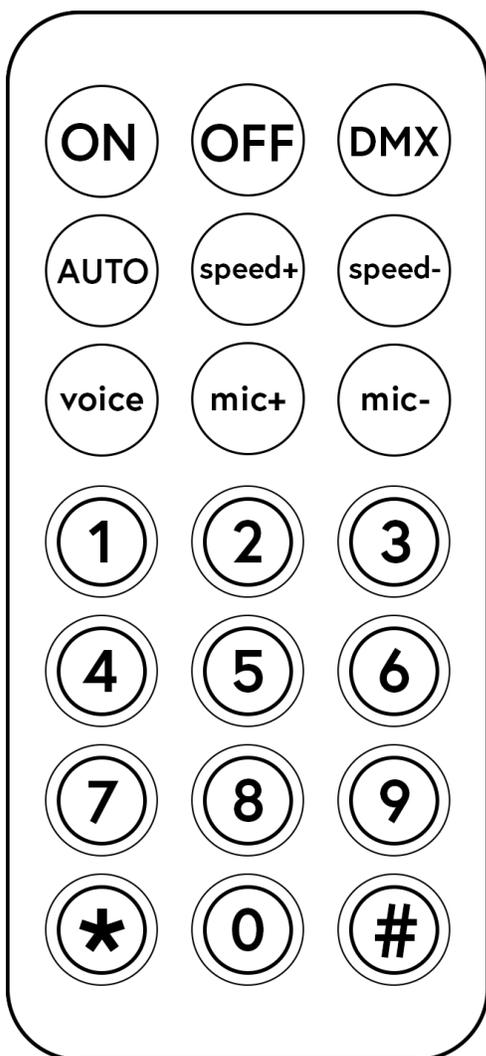
This fixture uses 16 DMX channels for complete control. Set the DMX start address using the Addr menu option.

Ch	Function	Value	Description
1	Pan (X-axis)	0-255	Main rotation: 0-360°
2	Pan Speed	0-255	Rotation speed: Fast→Slow
3	Master Dimmer	0-255	Overall brightness: 0-100%
4	Strobe	0-9	No strobe
		10-255	Strobe speed: Slow→Fast
5	Magic Ball Red	0-255	Magic ball red intensity: 0-100%
6	Magic Ball Green	0-255	Magic ball green intensity: 0-100%
7	Magic Ball Blue	0-255	Magic ball blue intensity: 0-100%
8	Magic Ball White	0-255	Magic ball white intensity: 0-100%
9	Beam Red	0-255	All beam heads red intensity: 0-100%
10	Beam Green	0-255	All beam heads green intensity: 0-100%
11	Beam Blue	0-255	All beam heads blue intensity: 0-100%
12	Beam White	0-255	All beam heads white intensity: 0-100%
13	Red Laser	0-255	Red laser intensity: 0-100%
14	Green Laser	0-255	Green laser intensity: 0-100%
15	White Strobe	0-9	No function

Ch	Function	Value	Description
		10-255	Strobe speed: Slow→Fast (1-20Hz)
16	Macro Control	0-50	No function
		51-150	Random auto mode
		151-255	Sound-active mode

5. Remote Control Operation

The included infrared remote control provides quick access to common functions. Enable remote control in the menu (irC → ON).



5.1 Mode Control Buttons

Button	Function
ON	Switch to Auto Program 1 (Aut1)
OFF	Turn off all lights
DMX	Switch to DMX mode
AUTO	Cycle through auto programs
VOICE	Activate sound-active mode

5.2 Adjustment Buttons

Button	Function
SPEED+	Increase program speed
SPEED-	Decrease program speed
MIC+	Increase sound sensitivity
MIC-	Decrease sound sensitivity

5.3 Direct Function Keys

Button	Function
1	Red beam and magic ball
2	Green beam and magic ball
3	Blue beam and magic ball
4	White beam and magic ball
5	Red and green lasers
6	White strobe
7	Auto Program 1 (Aut1)
8	Auto Program 2 (Aut2)
9	Sound Active Mode 1
0	Sound Active Mode 2