



COSMOS

8 Head Moving Head Light with LED Ring Effects

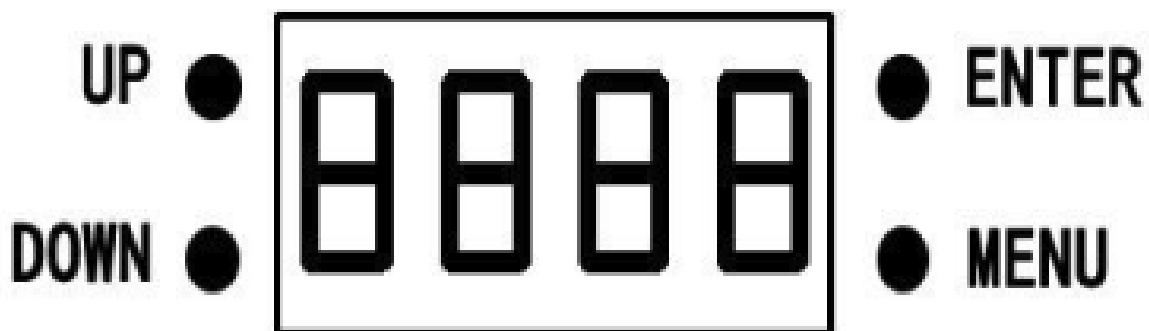
Multi-Effect DMX Stage Lighting

USER MANUAL

1. Technical Specifications

Operating Voltage	AC 110-220V, 50Hz
Power Consumption	Max 120W
LED Array	8×10W RGBW 4-in-1 LEDs
LED Ring Effects	8 rings of 0.2W 5050RGB LEDs
Beam Angle	2-3 degrees
Control Protocol	DMX512 (16 or 18 channels)
Operating Modes	DMX, Master/Slave, Auto, Sound-Active
DMX Channels	16 channels (standard) or 18 channels
Dimming	0-100% electronic dimming
Strobe Rate	20Hz
Pan Range (X-axis)	540° rotation
Tilt Range (Y-axis)	Continuous 360° rotation
Product Dimensions	270 × 200 × 360mm
Weight	4.25kg

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	Shnd	Select operating mode	Choose from: DMX, ATO1, ATO2, SOUD (see 3.3 Operating Modes table)
3	Chnd	Channel mode selection	Choose between 16CH or 18CH mode
4	PAN	Pan motor direction	YES = Reverse / NO = Normal
5	TIL1	Tilt motor 1 direction	YES = Reverse / NO = Normal
6	SOnd	Sound mode behavior	BO = Blackout when no sound / SLOW = Slow program when no sound
7	SEns	Sound sensitivity (0-100)	Adjust microphone sensitivity for sound-active mode
8	LEd	Background LED ring	ON = Enable / OFF = Disable
9	diSP	Display orientation	YES = Inverted / NO = Normal
10	VEr	Software version	Display current firmware version (e.g., V104)
11	rSEt	Factory reset	Select 'Yes' to reset all settings

3.3 Operating Modes

Code	Mode Name	Description
DMX	DMX Control	Standard DMX512 control via lighting console
ATO1	Auto Program 1	Built-in automatic light show pattern 1
ATO2	Auto Program 2	Built-in automatic light show pattern 2
SOUD	Sound-Active Mode	Responds to music and ambient sound via built-in microphone

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	Horizontal rotation: 0-540° positioning
2	Tilt (Y-axis) Motor 1	0-127	0-360° positioning
		128-191	Clockwise continuous rotation: Fast→Slow
		192-255	Counter-clockwise continuous rotation: Slow→Fast
3	Pan/Tilt Speed	0-255	Movement speed: Fast→Slow
4	Master Dimmer	0-255	Overall brightness: 0-100%
		10-255	Strobe speed: Slow→Fast
5	Strobe	0-10	No strobe

Ch	Function	Value	Description
		11-255	Strobe speed: Slow→Fast
6	Red	0-255	Main LED red intensity: 0-100%
7	Green	0-255	Main LED green intensity: 0-100%
8	Blue	0-255	Main LED blue intensity: 0-100%
9	White	0-255	Main LED white intensity: 0-100%
10	Ring Red	0-255	LED ring red intensity: 0-100%
11	Ring Green	0-255	LED ring green intensity: 0-100%
12	Ring Blue	0-255	LED ring blue intensity: 0-100%
13	LED Macro Effects	0-6	No function
		7-132	Effect 1 (speed increases from slow to fast)
		133-255	Effect 2 (speed increases from slow to fast)
14	Motor Macro Effects	0-6	Green laser intensity: 0-100%
		7-132	Fast motor movement patterns
		133-255	Slow motor movement patterns
15	Master Macro Control	0-49	Channels 1-14 active (manual control)
		50-99	Auto Program 1
		100-149	Auto Program 2
		150-255	Sound-active mode

Ch	Function	Value	Description
16	Reset	0-240	No function
		241-255	Fixture reset (takes effect after 3 seconds)