



# **OCTOPUS2**

## **6- Head Matrix Moving Head Light**

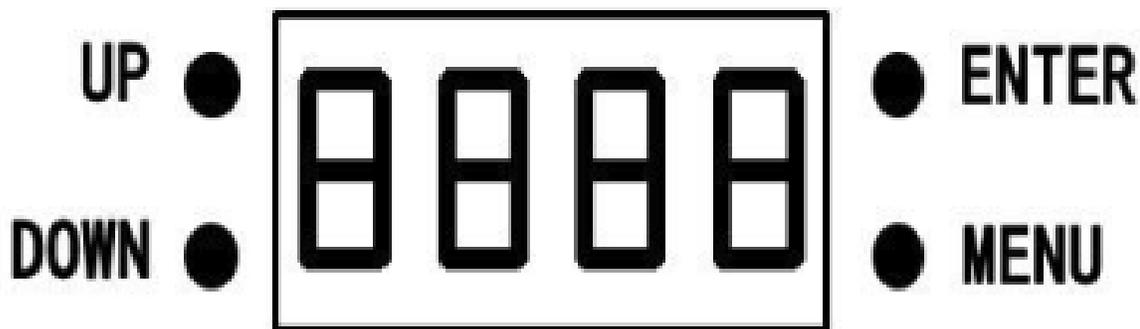
Multi-Effect DMX Stage Lighting

### **USER MANUAL**

# 1. Technical Specifications

<b>Operating Voltage</b>	AC 100-240V, 50Hz
<b>Power Consumption</b>	Max 120W
<b>LED Modules</b>	6×10W RGBW beads
<b>Red Laser</b>	7×100mW
<b>Green Laser</b>	7×50mW
<b>Blue Laser</b>	1×80mW
<b>White Strobe</b>	2×10W white LEDs
<b>Golden Strobe</b>	2×10W golden LEDs
<b>Control Protocol</b>	DMX512 (21 channels)
<b>Operating Modes</b>	DMX512, Master/Slave, Auto, Sound-Active, Remote Control
<b>DMX Channels</b>	21 channels
<b>Dimming</b>	0-100% electronic dimming
<b>Strobe Rate</b>	20Hz
<b>Product Dimensions</b>	310 × 310 × 230mm
<b>Weight</b>	2.75kg

## 2. Control Panel & Display



### 2.1 Button Functions

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



#### Quick Tips:

- The 4-digit LED display shows menu codes and values
- When in DMX mode, a flashing 'A' indicates an active DMX signal is being received
- Display brightness can be set to auto-dim after 10 seconds (see **LEd** menu option)

## 3. Menu Settings & Operation

### 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	<b>Addr</b>	Set DMX start address	Use UP/DOWN to modify address code
2	<b>Chnd</b>	Display current working channel	Shows the channel mode the lamp is using
3	<b>Shou</b>	Select operating mode	Choose from: d512, Red, GrEE, BluE, Wht1, LESr, LESG, Wht2, A1, A2, A3, S1, S2 (see 3.3 Operating Modes table)
4	<b>SEns</b>	Sound sensitivity (0-100)	Adjust microphone sensitivity for sound-active mode
5	<b>SPEd</b>	Effect speed (1-9)	Control speed of programs
6	<b>LEd</b>	Display brightness	ON = Always on / OFF = Auto-dim after 10s
7	<b>disp</b>	Display orientation	OFF = Normal / ON = Inverted
8	<b>irC</b>	Remote control	ON = Enable remote / OFF = Disable remote
9	<b>rst</b>	Factory reset	Select 'Yes' to reset all settings

### 3.3 Operating Modes

Code	Mode Name	Description
d512	<b>DMX Control</b>	Standard DMX512 control via lighting console
Red	<b>Red Light Only</b>	Static red color from all LEDs
GrEE	<b>Green Light Only</b>	Static green color from all LEDs
BluE	<b>Blue Light Only</b>	Static blue color from all LEDs
Wh1	<b>White Light Only</b>	Static white color from all LEDs
LESr	<b>Red Laser</b>	Red laser effect only
LESG	<b>Green Laser</b>	Green laser effect only
Wh2	<b>Strobe Mode</b>	White and golden strobes
A1	<b>Auto Program 1</b>	Laser + Beams + Strobes
A2	<b>Auto Program 2</b>	Laser + Beams (no strobe)
A3	<b>Auto Program 3</b>	Beams only (no laser)
S1	<b>Sound Active Mode 1</b>	
S2	<b>Sound Active Mode 2</b>	

## 4. DMX Channel Configuration

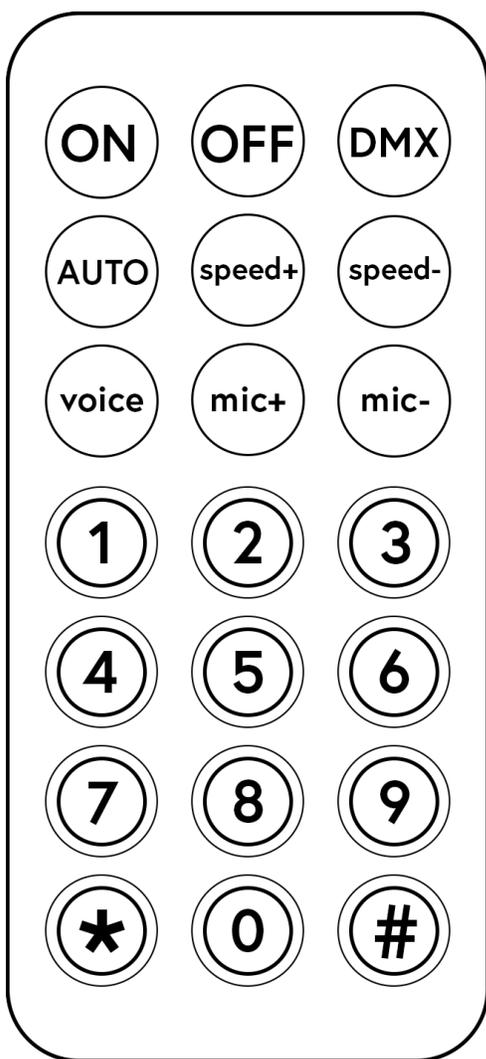
This fixture uses 24 DMX channels for complete control. Set the DMX start address using the Addr menu option.

Ch	Function	Value	Description
1	<b>Pan (X-axis)</b>	0-255	Main rotation: 0-540°
2	<b>Pan Speed</b>	0-255	Rotation speed: Fast→Slow
3	<b>Magic ball Rotation</b>	0-127	0-180° static position
		128-191	Clockwise rotation (slow→fast)
		192-255	Counter-clockwise rotation (slow→fast)
4	<b>Beam 1 Pan</b>	0-255	Individual beam position: 0-180°
5	<b>Beam 2 Pan</b>	0-255	Individual beam position: 0-180°
6	<b>Beam 3 Pan</b>	0-255	Individual beam position: 0-180°
7	<b>Beam 4 Pan</b>	0-255	Individual beam position: 0-180°
8	<b>Beam 5 Pan</b>	0-255	Individual beam position: 0-180°
9	<b>Beam 6 Pan</b>	0-255	Individual beam position: 0-180°
10	<b>Master Dimmer</b>	0-255	Overall brightness: 0-100%
11	<b>Strobe</b>	0-9	No function
		10-255	Strobe speed: Slow→Fast
12	<b>Magic Ball Laser</b>	0-255	Laser intensity: 0-100%
13	<b>Beam Red</b>	0-255	Red intensity: 0-100%
14	<b>Beam Green</b>	0-255	Green intensity: 0-100%
15	<b>Beam Blue</b>	0-255	Blue intensity: 0-100%

Ch	Function	Value	Description
16	Beam White	0-255	White intensity: 0-100%
17	Red Laser	0-255	Red laser intensity: 0-100%
18	Green Laser	0-255	Green laser intensity: 0-100%
19	White Strobe	0-255	Strobe speed: Slow→Fast
20	Golden Strobe	0-255	Strobe speed: Slow→Fast
24	Macro Control	0-50	No function
		51-150	Random
		151-250	Sound-active mode
		251-255	<b>Reset</b> (3 second hold required)

## 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 (A1)
OFF	Turn off the 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 color only
2	Green color only
3	Blue color only
4	White color only
5	Magic ball laser
6	Red laser
7	Green laser
8	White + golden strobes
9	Auto Program 2 (laser + beams, no strobe)
0	Auto Program 3 (beams only, no laser)
*	Sound-Active Mode 1
#	Sound-Active Mode 2

## 6. Safety & Operational Notes

### 6.1 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.

## 6.2 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.

## 6.3 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

### Remote Control:

- When multiple lamps are controlled by the remote control, the slave remote control function should be turned off, and only the remote control function of one master fixture should be enabled