



COBRA-SCAN2

6 Head Bee Eye Moving Head Light with Laser

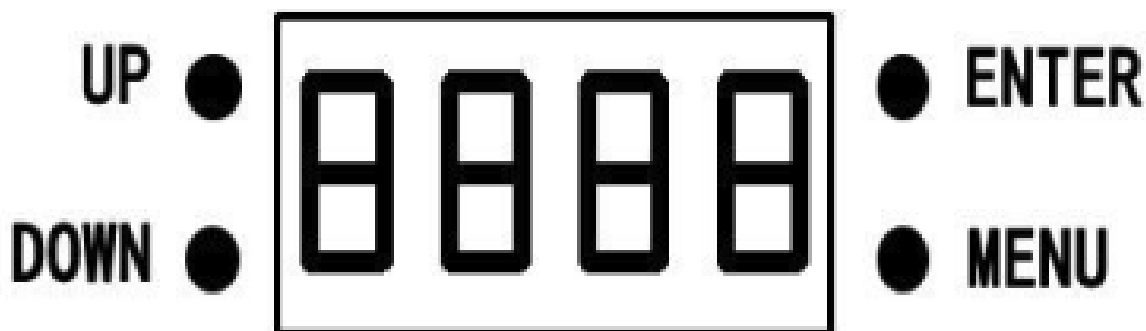
Multi-Effect DMX Stage Lighting

USER MANUAL

1. Technical Specifications

Operating Voltage	AC 100-240V, 50/60Hz
Power Consumption	Max 90W
LED Array	6×15W RGBW 4-in-1 LEDs
Green Laser	150mW
Cooling System	Convection cooling with intelligent temperature control
Lens	High-precision optical lens group
Beam Angle	4°
Control Protocol	DMX512 (17 channels)
Operating Modes	DMX, Master/Slave, Auto, Sound-Active
DMX Channels	17 channels
Pan/Tilt Resolution	8/16 bit
Dimming	0-100% electronic dimming
Strobe Rate	20Hz
Pan Range (X-axis)	540°
Tilt Range (Y-axis)	270°
Product Dimensions	245 × 165 × 320mm
Weight	3.5kg

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



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. 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 DMX channels	Shows 17CH
4	SLnd	Select operating mode	Choose from: Auto, Soun, Dmx
5	PSEt	Pan reverse	No = Normal / Yes = Inverted
6	Tilt	Tilt invert	No = Normal / Yes = Inverted
7	Sens	Sound sensitivity (000-100)	Adjust microphone sensitivity for sound-active mode
8	Led	Display brightness	Off = 30s screensaver / On = Always on
9	Disp	Display orientation	No = Normal / Yes = Inverted
10	Ver	Software version	Displays current firmware version (V1.xx)
11	Fact	Factory reset	No = Cancel / Yes = Reset all settings

3.3 Operating Modes

Code	Mode Name	Description
Dmx	DMX Control	Standard DMX512 control via lighting console
Auto	Auto Program	Automatic program mode
Soun	Sound-Active	Sound-activated program mode

3.4 Calibration Menu (Advanced)

Press and hold ENTER for 3 seconds to access the calibration menu:

Display	Code	Mode Name	Description
Pan	Pan motor calibration	-127 to +128	Manual calibration of X-axis motor position
Tilt	Tilt motor calibration	-127 to +128	Manual calibration of Y-axis motor position
Roat	Bee eye rotation calibration	-127 to +128	Manual calibration of bee eye motor position

Note: Press ENTER to save calibration data before exiting the menu.

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	Pan movement: 0-540°
2	Pan Fine	0-255	Pan fine adjustment (16-bit)
3	Tilt (Y-axis)	0-255	Tilt movement: 0-270°
4	Tilt Fine	0-255	Tilt fine adjustment (16-bit)
5	Pan/Tilt Speed	0-255	Movement speed: Fast→Slow
6	Bee Eye Rotation	0-127	Motor position: 0-360°
		128-191	Clockwise rotation: Fast→Slow
		192-255	Counter-clockwise rotation: Slow→Fast
7	Master Dimmer	0-255	Overall brightness: 0-100%
8	Strobe	0-9	No function
		10-255	Strobe speed: Slow→Fast
9	Bee Eye Red	0-255	Red LED intensity: 0-100%
10	Bee Eye Green	0-255	Green LED intensity: 0-100%
11	Bee Eye Blue	0-255	Blue LED intensity: 0-100%
12	Bee Eye White	0-255	White LED intensity: 0-100%
13	Green Laser	0-255	Laser intensity: 0-100%
14	Aperture Ring	0-12	No function

Ch	Function	Value	Description
		13-21	Red
		22-30	Green
		31-39	Blue
		40-48	Yellow
		49-57	Purple
		58-66	Cyan
		67-75	White
		76-255	Rainbow water effect
15	Ring Speed	0-255	Aperture ring effect speed: Slow→Fast
16	Macro Control	0-16	No function
		17-127	Auto program mode
		128-255	Sound-active mode
17	Reset	0-240	No function
		250-255	Reset (hold 5 seconds)

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:

- Connect two or more identical lamps with 3-core signal line
- Set any one fixture as the master demonstration program
- Other fixtures will automatically recognize the signal and enter slave mode
- Slave mode address code is not used (address setting is invalid for slaves)

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

Settings:

- If no button is pressed for 5 seconds, the display automatically returns to the main menu
- When DMX signal is present, the display shows a flashing dot indicator
- Settings are saved automatically after pressing ENTER
- After restart, fixture automatically enters last saved function

RDM Support:

- This fixture supports RDM (Remote Device Management) for automatic recognition