



PARTY SERIES

X30

6-EYE BEE-EYE+LASER

MOVING HEAD EFFECT LIGHT

PRODUCT MANUAL

RGBW bee-eye effects, green laser and color-changing aperture ring



90W
RATED POWER

17CH
DMX512 CONTROL

6 x 15W
RGBW 4-IN-1 LEDs

150mW
GREEN LASER

READ THIS MANUAL BEFORE INSTALLATION OR OPERATION

Keep this manual for future reference, service and DMX programming.

PRODUCT OVERVIEW

Thank you for purchasing the X30 6-Eye Bee-Eye+ Laser Moving Head. This compact multi-effect fixture combines six 15 W RGBW 4-in-1 LEDs, a 150 mW green laser, rotating bee-eye movement and a color-changing aperture ring. It supports DMX512, automatic, sound-active and master/slave operation.

BEFORE POWERING ON

Inspect the housing, screws, lenses, mounting points and power cable. Mount the fixture securely and use an independent safety cable for overhead installation.

LASER / LIGHT SAFETY

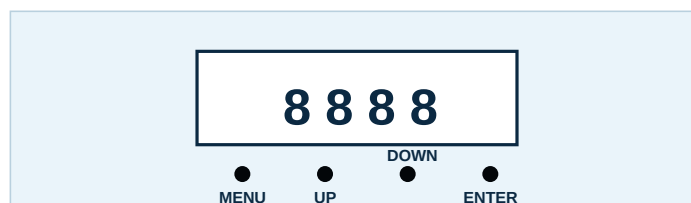
Do not stare into the LED or laser aperture. Never aim the output at people, animals, vehicles or aircraft. Avoid close-range direct viewing.



TECHNICAL PARAMETERS

Item	Specification
Product Model	X30
Power Supply	AC 100-240 V, 50/60 Hz
Rated Power	90 W
LED Source	6 x 15 W RGBW 4-in-1 LEDs
Laser Source	150 mW green laser
Cooling System	Heat-conduction cooling, forced air and intelligent temperature protection
Optics	High-precision optical lens group
Beam Angle	4 degrees
Dimming	0-100% linear dimming
Strobe Rate	Up to 20 flashes per second
Control Protocol	International standard DMX512
DMX Channels	17 channels
Control Modes	DMX512, master/slave, auto and sound-active
Display Panel	0.39-inch 4-digit display with 4 buttons
Pan / Tilt	540 degrees / 270 degrees; adjustable speed
Pan / Tilt Resolution	8-bit / 16-bit fine adjustment
Positioning	Electronic automatic positioning
Color System	RGBW mixing with rainbow-style combinations
Product Size	24.5 x 16.5 x 32 cm
Net Weight	3.5 kg
Working Environment	Indoor use; keep dry and well ventilated

DISPLAY PANEL AND BUTTON OPERATION



Button	Function	Description
MENU	Menu	Move through menu groups and return to the previous level.
UP	Increase	Increase a value or move to the next option.
DOWN	Decrease	Decrease a value or move to the previous option.
ENTER	Confirm	Open a submenu and save the selected value.

IMPORTANT OPERATING NOTES

- Use MENU to select a menuitem, use UP / DOWN to change the value, and press ENTER to save.
- If no key is pressed for approximately five seconds, the display returns to the main menu.
- When a DMX signal is present, the display indicator flashes.
- For master/slave operation, connect identical fixtures with a 3-pin DMX cable. The slave fixture automatically follows the master program.
- The fixture supports automatic RDM identification.



MENU FUNCTIONS

Press **MENU** to select an item, use **UP/DOWN** to adjust the value, and press **ENTER** to save.

Display	Value	Function / Remark
Addr	001-512	Set the DMX starting address.
Chnd	17CH	Displays the 17-channel DMX mode.
SLnd - Auto	-	Automatic program mode.
SLnd - Soun	-	Sound-active program mode.
SLnd - Dmx	-	DMX console operating mode.
Pset	No / Yes	Reverse the X-axis (pan) motor direction.
Tilt	No / Yes	Reverse the Y-axis (tilt) motor direction.
Sens	000-100	Adjust sound-control microphone sensitivity.
Led	Off / On	Off: display enters screen saver after 30 seconds. On: display remains lit.
Disp	No / Yes	Normal or reversed display orientation.
Ver	V1.xx	Shows the installed software version.
Fact	No / Yes	Restore the factory settings.

OFFSET CALIBRATION MENU

Hold **ENTER** for approximately three seconds to enter or exit the calibration menu.

Group	Item	Value	Function / Remark
Oset	Pan	-127 to 128	Manual calibration of the X-axis motor position.
Oset	Tilt	-127 to 128	Manual calibration of the Y-axis motor position.
Oset	Roat	-127 to 128	Manual calibration of the bee-eye rotation motor position.

SAVE CALIBRATION DATA

After adjusting a calibration value, press **ENTER** to save it before leaving the calibration menu. Switch off the fixture before making any mechanical inspection or service adjustment.

DMX512 CHANNEL FUNCTIONS - 1 TO 8

The X30 uses a standard 17-channel DMX512 profile. Set the correct starting address before connecting the controller. All values below are decimal values from 0 to 255.

CH	Function	DMX Value	Description / Remark
1	Pan position	000-255	X-axis position from 0 to 540 degrees.
2	Pan fine	000-255	Fine adjustment of the X-axis position.
3	Tilt position	000-255	Y-axis position from 0 to 270 degrees.
4	Tilt fine	000-255	Fine adjustment of the Y-axis position.
5	Pan / tilt speed	000-255	Movement-speed adjustment.
6	Bee-eye rotation	000-127	Motor position from 0 to 360 degrees.
6	Bee-eye rotation	128-191	Clockwise rotation, from fast to slow.
6	Bee-eye rotation	192-255	Counterclockwise rotation, from slow to fast.
7	Master dimmer	000-255	Linear dimming from 0 to 100%.
8	Strobe	000-009	No strobe.
8	Strobe	010-255	Synchronous strobe from slow to fast, approximately 1-20 Hz.

DMX NOTE

For stable control, use a proper DMX cable, terminate the final fixture when required, and confirm that fixture address ranges do not overlap unless identical operation is intended. Disconnect mains power before making installation or service changes.



DMX512 CHANNEL FUNCTIONS - 9 TO 17

CH	Function	DMXValue	Description / Remark
9	Bee-eye red	000-255	Red linear dimming from 0 to 100%.
10	Bee-eye green	000-255	Green linear dimming from 0 to 100%.
11	Bee-eye blue	000-255	Blue linear dimming from 0 to 100%.
12	Bee-eye white	000-255	White linear dimming from 0 to 100%.
13	Green laser	000-255	Green-laser linear dimming from 0 to 100%.
14	Aperture LED ring	000-012	No function.
14	Aperture LED ring	013-021	Red.
14	Aperture LED ring	022-030	Green.
14	Aperture LED ring	031-039	Blue.
14	Aperture LED ring	040-048	Yellow.
14	Aperture LED ring	049-057	Purple.
14	Aperture LED ring	058-066	Cyan.
14	Aperture LED ring	067-075	White.
14	Aperture LED ring	076-255	Flowing / water-effect program.
15	Aperture effect speed	000-255	Effect speed increases from slow to fast.
16	Macro control	000-016	No function.
16	Macro control	017-127	Automatic effect program.
16	Macro control	128-255	Sound-active effect program.
17	Reset	000-240	No function.
17	Reset	250-255	Hold for approximately five seconds to reset the motors.

SAFETY, INSTALLATION AND MAINTENANCE

DISCONNECTPOWER

Disconnect the fixture from mains power before installation, inspection, cleaning or maintenance. Allow the housing and optical components to cool before touching them.

- Read the manual: Installation, operation and maintenance personnel must understand the fixture functions before use.
- Indoor use: Keep the fixture away from rain, water droplets and prolonged humidity. Provide complete weather protection for temporary outdoor use.
- Ventilation: Keep air inlets and outlets clear. Do not cover the fixture during operation.
- Electrical supply: Use only a properly grounded AC supply within the rated voltage range.
- Mechanical safety: For overhead use, install a suitable clamp and an independent safety cable.
- Optical safety: Avoid prolonged direct viewing of LEDs or the laser aperture. Never aim output at people, animals, vehicles or aircraft.
- No unauthorized modification: Internal service must be performed by qualified personnel.

RECOMMENDED CLEANING AND INSPECTION

Interval	Procedure
Weekly	Wipe the outer housing with a soft, slightly damp, lint-free cloth.
Monthly	Clean lenses carefully with professional optical or glass cleaner and a soft cloth.
Monthly	Remove dust from ventilation openings and verify that cooling airflow is unobstructed.
Before each overhead use	Inspect screws, bracket, clamp, mounting points and the independent safety cable.
As required	Stop using the fixture if there is abnormal noise, smell, heat, light output or movement.

STARSHINE LIGHTS SUPPORT

Product Model: X30

Website: www.starshinelights.com

Keep the product serial number and purchase information available when requesting support.

