



PARTY SERIES

X31

6-IN-1 LASER EFFECT LIGHT

PRODUCT MANUAL

Pattern, water-wave, laser, crystal-ball and warm-white strobe effects



40W

RATED POWER

15CH

DMX512 CONTROL

6-IN-1

MULTI-EFFECT FIXTURE

AC95-245V

WIDE-VOLTAGE INPUT

READ THIS MANUAL BEFORE INSTALLATION OR OPERATION

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

PRODUCT OVERVIEW

Thank you for purchasing the **X316-in-1 Laser Effect Light**. This compact fixture combines pattern projection, a moving water-wave effect, red and green laser effects, a crystal-ball effect and two warm-white strobe LEDs. It supports DMX512, automatic, sound-active and master/slave operation, making it suitable for mobile DJs, home parties, bars and small entertainment spaces.



BEFORE POWERING ON

Inspect the housing, bracket, screws, optical windows, power cable and ventilation openings. Secure the fixture and use a safety cable for overhead installation.



LASER / LIGHT SAFETY

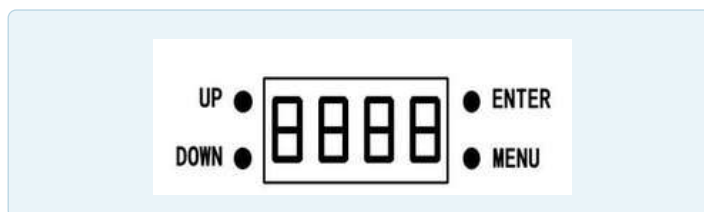
Do not stare into any optical aperture. Never aim laser output at people, animals, vehicles or aircraft. Avoid close-range direct viewing.



TECHNICAL PARAMETERS

Item	Specification
Product Model	X31
Product Type	6-in-1 laser effect light
Power Supply	AC 95-245 V, 50 Hz
Rated Power	40 W
Effect LEDs	9 x 3 W 3535 single-color LEDs
Laser Sources	1 x 100 mW red laser; 3 x 50 mW green lasers
Strobe LEDs	2 x 5 W warm-white strobe LEDs
Control Protocol	International standard DMX512
DMX Channels	15 channels
Control Modes	DMX512, master/slave, auto and sound-active
Dimming	0-100% smooth dimming
Strobe Rate	Up to 20 flashes per second
Display	4-digit LED display with four buttons
Working Environment	Indoor use; keep dry and well ventilated

DISPLAY PANEL AND BUTTON OPERATION



Button	Function	Description
MENU	Menu	Move through menu groups or return to the previous item.
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 selection and save the selected value.

IMPORTANT OPERATING NOTES

- Use **MENU** to select an item, **UP/DOWN** to change the value, and **ENTER** to confirm.
- Set the correct DMX starting address before connecting a controller.
- For master/slave operation, connect compatible fixtures using a proper 3-pin DMX cable.
- Keep ventilation openings clear and disconnect mains power before installation or service.

DISPLAY MENU FUNCTIONS

Display	Value	Function / Remark
A001	001-512	Set the DMX starting address.
A1	1-9	Pattern automatic mode; higher values increase speed.
A2	1-9	Water-wave automatic mode; higher values increase speed.
A3	1-9	Laser automatic mode; higher values increase speed.
A4	1-9	Crystal-ball automatic mode; higher values increase speed. Warm-
A5	1-9	white strobe mode; higher values increase speed.
A6	1-9	Combination automatic program 1; higher values increase speed.
A7	1-9	Combination automatic program 2; higher values increase speed.
A8	1-9	Combination automatic program 3; higher values increase speed.
S1	1-9	Sound-active mode 1; higher values increase microphone sensitivity.
S2	1-9	Sound-active mode 2; higher values increase microphone sensitivity.



REMOTE CONTROL OPERATION

Before first use, remove the battery-insulation tab from the bottom of the remote control.

Button	Function
ON	Start automatic operation
OFF	Blackout / light off
DMX	Switch to DMX mode
AUTO	Cycle automatic modes
speed+ / speed-	Increase / decrease program speed
voice	Activate sound control
mic+ / mic-	Increase / decrease microphone sensitivity
1	Pattern automatic mode
2	Water-wave automatic mode
3	Laser automatic mode
4	Crystal-ball automatic mode
5	Warm-white strobe mode
6 / 7 / 8	Combination automatic programs 1 / 2 / 3
9	Sound-active mode 1



DMX512 CHANNEL FUNCTIONS - 1 TO 8

The X31 uses a standard 15-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	Pattern motor	000-009	No movement / invalid range.
1	Pattern motor	010-255	Motor speed changes from slow to fast.
2	Water-wave motor	000-009	No movement / invalid range.
2	Water-wave motor	010-255	Motor speed changes from slow to fast.
3	Laser motor	000-009	No movement / invalid range.
3	Laser motor	010-255	Motor speed changes from slow to fast.
4	Crystal-ball motor	000-009	No movement / invalid range.
4	Crystal-ball motor	010-255	Motor speed changes from slow to fast.
5	Master dimmer	000-255	Linear dimming from dark to bright.
6	Main strobe	000-009	No strobe.
6	Main strobe	010-255	Strobe speed changes from slow to fast.
7	Pattern red laser	000-009	Laser off.
7	Pattern red laser	010-255	Laser on.
8	Pattern green laser	000-009	Laser off.
8	Pattern green laser	010-255	Laser on.

DMX CONNECTION NOTES



- Use a proper shielded DMX cable rather than an audio microphone cable.
- Terminate the final fixture when required, especially on long cable runs.
- Avoid overlapping address ranges unless identical fixture operation is intended.



DMX512 CHANNEL FUNCTIONS - 9 TO 15

CH	Function	DMX Value	Description / Remark
9	Spot green laser 1	000-009	Laser off.
9	Spot green laser 1	010-255	Laser on.
10	Spot green laser 2	000-009	Laser off.
10	Spot green laser 2	010-255	Laser on.
11	Pattern LED	000-009	Pattern LED off.
11	Pattern LED	010-255	Pattern LED on.
12	Water-wave LED	000-009	Water-wave LED off.
12	Water-wave LED	010-255	Water-wave LED on.
13	Crystal-ball LED	000-009	Crystal-ball LED off.
13	Crystal-ball LED	010-255	Crystal-ball LED on.
14	Warm-white strobe	000-010	No function / strobe off.
14	Warm-white strobe	011-255	Strobe speed changes from slow to fast.
15	Macro control	000-050	Manual control: channels 1-14 are active.
15	Macro control	051-150	Random automatic program.
15	Macro control	151-250	Sound-active automatic program.
15	Macro control	251-255	Hold for approximately 3 seconds to reset.

QUICK DMX SETUP

1

1. Connect the controller DMX OUT to the fixture DMX IN.

2

2. Set the fixture display to the required address from A001 to A512.

3

3. Patch 15 consecutive channels on the controller.

4

4. Bring channel 5 above zero for visible LED output, then activate the required effect channels.

5

5. Use channel 15 for automatic, sound-active or reset functions as required.

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LASER CONTROL REMINDER

DMX control does not remove the need for safe positioning. Keep all laser output away from audience eye level, public roads, aircraft paths and reflective surfaces.



SAFETY, INSTALLATION AND MAINTENANCE



DISCONNECT POWER

Disconnect the fixture from mains power before installation, inspection, cleaning or maintenance. Allow optical and housing 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 full weather protection for temporary outdoor use.
- **Ventilation:** Keep air inlets and outlets clear. Do not cover the fixture while it is operating.
- **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 direct viewing of LEDs or laser apertures. 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 optical windows carefully with professional optical or glass cleaner and a soft cloth.
Monthly	Remove dust from ventilation openings and confirm 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: X31

Website: www.starshinelights.com

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

