

PARTY SERIES

X34

4-IN-1 MAGIC BALL/WATERWAVE / WASH / LASER EFFECTLIGHT



MAGIC BALL

WATER WAVE

RGBW WASH

RED / GREEN LASER

50 W
RATED POWER**20 CH**
DMX512 CONTROL**4-IN-1**
MULTI-EFFECT FIXTURE**AC 95-245 V**
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 X344-in-1 Effect Light. The fixture combines a rotating magic-ball effect, a water-wave effect, RGBW wash LEDs and red/green laser effects in one compact housing. It supports international DMX512 control, master/slave operation, automatic programs, sound-active operation and infrared remote control for mobile DJs, home parties, bars and compact entertainment spaces.

BEFORE POWERING ON

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

LASER / LIGHT SAFETY

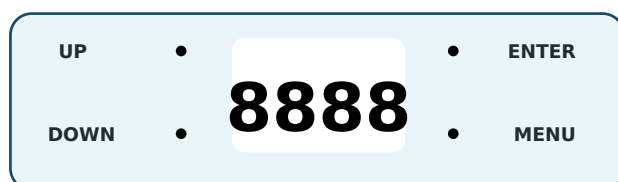
Do not stare into any optical aperture. Never aim laser output at people, animals, vehicles or aircraft. Avoid direct viewing and reflective surfaces.



TECHNICAL PARAMETERS

Item	Specification
Product Model	X34
Product Type	4-in-1 magic-ball / water-wave / wash / laser effect light
Power Supply	AC 95-245 V, 50/60 Hz
Rated Power	50 W
LED / Laser Sources	2 x 15 W 4-in-1 RGBW LEDs; 6 x 3 W 3-in-1 RGB LEDs; 100 mW red / 50 mW green laser
Control Protocol	International standard DMX512
DMX Channels	20 channels
Control Modes	DMX512, master/slave, automatic and sound-active
Remote Control	Infrared remote control
Dimming	0-100% super-smooth dimming
Strobe Rate	Up to 20 flashes per second

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

- MENU: Select an item; use UP/DOWN to change the value, then press ENTER to confirm.
- DMX address: Set the correct starting address before connecting a controller.
- Master/slave: Connect compatible fixtures with a proper shielded 3-pin DMX cable.
- Power: Keep ventilation openings clear and disconnect mains power before installation or service.

DISPLAY MENU FUNCTIONS

Display	Value	Function / Remark
d001	001-512	Set the DMX starting address / slave mode.
G1-G5	1-9	Magic-ball mode; higher values increase motor speed.
W1-W5	1-9	Water-wave mode; higher values increase motor speed.
E1-E4	1-9	LED wash mode.
L1-L3	1-9	Laser mode; higher values increase strobe speed.
F1	1-9	Strobe mode; higher values increase strobe speed.
A1	1-9	Automatic mode; higher values increase program speed.
S1-S2	1-9	Sound-active mode; higher values increase microphone sensitivity.



DMX512 CHANNEL FUNCTIONS - CHANNELS 1-10

The X34 uses a standard 20-channel DMX512 profile. Set the correct starting address before connecting the controller. All values below are decimal values from 0 to 255.

CH	Function Magic-	DMX Value	Description / Remark
1	ball motor	000-127	Motor positioning from 0 to 360 degrees.
1	Magic-ball motor	128-255	Automatic rotation; speed changes from fast to slow.
2	Magic-ball range	000-255	Controls automatic movement range from 0 to 120 degrees. Active when channel 1 is above 128.
3	Water-wave motor	000-127	Motor positioning from 0 to 360 degrees.
3	Water-wave motor	128-191	Reverse rotation; speed changes from fast to slow.
3	Water-wave motor	192-255	Forward rotation; speed changes from slow to fast.
4	Laser motor	000-255	Laser motor speed changes from slow to fast.
5	Master dimmer	000-255	Linear dimming from dark to bright.
6	Strobe	000-255	Strobe speed changes from slow to fast, up to 20 Hz.
7	Magic-ball red	000-255	Red LED brightness changes linearly from dark to bright.
8	Magic-ball green	000-255	Green LED brightness changes linearly from dark to bright.
9	Magic-ball blue	000-255	Blue LED brightness changes linearly from dark to bright.
10	Magic-ball white	000-255	White LED brightness changes linearly from dark to bright.

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 channel ranges unless identical fixture operation is intended.

QUICK DMX SETUP

- 1 Connect the controller DMX OUT to the fixture DMX IN.
- 2 Set the fixture display to the required address from d001 to d512.
- 3 Patch 20 consecutive channels on the controller.
- 4 Raise the master dimmer and the required color/effect channels above zero.
- 5 Use channel 20 to select manual, automatic or sound-active operation.



DMX512 CHANNEL FUNCTIONS - CHANNELS 11-20

CH	Function	Water-	DMX Value	Description / Remark
11	wave red	Water-	000-255	Red LED brightness changes linearly from dark to bright.
12	wave green		000-255	Green LED brightness changes linearly from dark to bright.
13	Water-wave blue		000-255	Blue LED brightness changes linearly from dark to bright.
14	Water-wave white		000-255	White LED brightness changes linearly from dark to bright.
15	Wash red		000-255	Red LED brightness changes linearly from dark to bright.
16	Wash green		000-255	Green LED brightness changes linearly from dark to bright.
17	Wash blue		000-255	Blue LED brightness changes linearly from dark to bright.
18	Red laser		000-255	Red laser brightness changes linearly from dark to bright.
19	Green laser		000-255	Green laser brightness changes linearly from dark to bright.
20	Macro control		000-050	Manual control; channels 1-19 are active.
20	Macro control		051-150	Automatic program.
20	Macro control		151-255	Sound-active program.

DMX PROGRAMMING CHECKLIST

- 1 Select a valid DMX start address and reserve 20 consecutive controller channels.
- 2 Set channel 20 to 000-050 for direct manual control of channels 1-19.
- 3 Raise channel 5 master dimmer above zero before checking LED or laser output.
- 4 For automatic magic-ball movement, set channel 1 above 128; channel 2 then controls the movement range.
- 5 Use channel 20 values 051-150 for automatic mode or 151-255 for sound-active mode.

CONTROL MODE SUMMARY

Mode	How to select	Main use
DMX manual	Set a DMX address and use CH20 = 000-050.	Full control of motors, colors, dimmer, strobe and laser output.
Automatic	Use the display A1 program or CH20 = 051-150.	Built-in show playback without a controller.
Sound-active	Use S1-S2 or CH20 = 151-255.	Built-in programs respond to music through the microphone.
Master/slave	Set one fixture as master and compatible fixtures as slaves.	Synchronized playback across multiple fixtures.
Remote control	Aim the infrared remote toward the fixture sensor.	Fast mode and sensitivity adjustments without a DMX controller.

REMOTE CONTROL OPERATION

Before using the remote control: Pull out the plastic battery-insulation tab from the bottom of the remote. Point the remote toward the infrared receiver on the fixture.



Button	Function
ON	Power / light on
OFF	Power / light off
DMX	DMX mode
AUTO	Automatic mode selection
speed+	Increase automatic-program speed
speed-	Decrease automatic-program speed
voice	Switch between sound-active modes S1-S2
mic+	Increase microphone sensitivity
mic-	Decrease microphone sensitivity
1	Magic-ball automatic mode
2	Water-wave automatic mode
3	LED wash automatic mode
4	Red laser automatic mode
5	Green laser automatic mode
6	Laser automatic mode
7	Wash / strobe mode
8	Combined automatic mode
9	Sound-active mode 1
0	Sound-active mode 2

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 and understand the manual before use.
- Keep the fixture dry and protect it from rain or prolonged humidity.
- Keep ventilation openings clear while operating.
- Use only a properly grounded supply within the rated voltage range.
- For overhead use, install a suitable clamp and an independent safety cable.
- Avoid direct viewing of LED and laser apertures.
- Never aim laser output at people, animals, vehicles or aircraft.
- 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: X34

Website: www.starshinelights.com

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

