



## PARTY SERIES

## X37

## RGBW MOVINGHEADBEAM EFFECT LIGHT

8x10W RGBW BEAM / RGB RING EFFECT / 540° PAN / INFINITE TILT



2-3° BEAM

**120 W**  
 RATED POWER

RGBW BEAM

**16 / 18 CH**  
 DMX CHANNEL MODES

RGB RING

**RGBW + RING**  
 DUAL EFFECT SYSTEM

INFINITE TILT

**AC 110-220 V**  
 50 HZ POWER INPUT

## PRODUCT OVERVIEW

Thank you for choosing the X37 moving head beam effect light. The fixture combines eight 10 W RGBW 4-in-1 LEDs with RGB ring effects, smooth dimming, strobe, 540° pan and continuous tilt rotation. It supports DMX512, master/slave, two automatic programs and sound-active operation.

## BEFORE POWERING ON

Inspect the housing, mounting points, optical lenses, power cable and ventilation openings. Confirm that the mains supply matches the rated voltage.

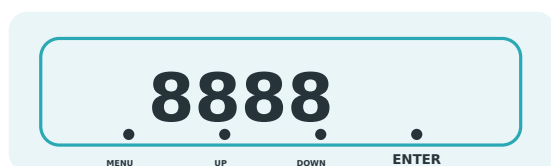
## LED LIGHT SAFETY

Do not stare directly into the beam or optical apertures. Keep the fixture away from flammable materials and allow adequate ventilation during operation.



## TECHNICAL PARAMETERS

| Item                       | Specification                                                  |
|----------------------------|----------------------------------------------------------------|
| <b>Product Model</b>       | X37                                                            |
| <b>Product Type</b>        | RGBW moving head beam light with RGB ring effects              |
| <b>Power Supply</b>        | AC 110-220 V, 50 Hz                                            |
| <b>Rated Power</b>         | 120 W                                                          |
| <b>Light Sources</b>       | 8 x 10 W RGBW 4-in-1 LEDs; RGB rings using 0.2 W 5050 RGB LEDs |
| <b>Beam Angle</b>          | 2-3°                                                           |
| <b>DMX Channels</b>        | 16CH / 18CH (16CH profile documented in this manual)           |
| <b>Control Modes</b>       | DMX512, master/slave, Auto 1, Auto 2 and sound-active          |
| <b>Dimming / Strobe</b>    | 0-100% smooth dimming; variable-speed strobe                   |
| <b>Movement</b>            | Pan: 540°; tilt: 360° positioning plus continuous rotation     |
| <b>Dimensions / Weight</b> | 270 x 200 x 360 mm / 4.25 kg                                   |



| Button       | Function | Description                                              |
|--------------|----------|----------------------------------------------------------|
| <b>MENU</b>  | Menu     | Move through menu groups or return to the previous item. |
| <b>UP</b>    | Increase | Increase a value or move to the next option.             |
| <b>DOWN</b>  | Decrease | Decrease a value or move to the previous option.         |
| <b>ENTER</b> | Confirm  | Open a selection and save the selected value.            |

## DISPLAY MENU FUNCTIONS

| Display     | Options                  | Function / Remark                                     |
|-------------|--------------------------|-------------------------------------------------------|
| <b>ADDR</b> | A001-A512                | Set the DMX starting address.                         |
| <b>SHND</b> | DMX / ATO1 / ATO2 / SOUD | Slave/DMX mode, Auto 1, Auto 2 or sound-active mode.  |
| <b>CHND</b> | 16CH                     | Select the 16-channel DMX profile.                    |
| <b>PAN</b>  | YES / NO                 | Reverse pan direction.                                |
| <b>TIL1</b> | YES / NO                 | Reverse tilt direction.                               |
| <b>SOND</b> | BO / SLOW                | No-sound behavior: blackout/standby or slow movement. |
| <b>SENS</b> | 0-100                    | Adjust microphone sensitivity.                        |
| <b>LED</b>  | ON / OFF                 | Display backlight setting.                            |
| <b>DISP</b> | YES / NO                 | Invert the display orientation.                       |
| <b>VER</b>  | V104                     | Display the installed software version.               |
| <b>RSET</b> | YES / NO                 | Restore factory settings.                             |



## DMX512 CHANNEL FUNCTIONS - CHANNELS 1-8

The X37 uses a 16-channel DMX512 profile in the mapping below. Set the correct starting address before connecting a controller. All values are decimal values from 0 to 255.

| CH | Function         | DMX Value                     | Description / Remark                                                                                                       |
|----|------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| 1  | Pan              | 000-255                       | Positioning from 0 to 540°.                                                                                                |
| 2  | Tilt             | 000-127<br>128-191<br>192-255 | 0-360° positioning.<br>Clockwise continuous rotation, fast to slow.<br>Counterclockwise continuous rotation, slow to fast. |
| 3  | Pan / Tilt Speed | 000-255                       | Movement speed changes from fast to slow.                                                                                  |
| 4  | Master Dimmer    | 000-255                       | Total brightness changes linearly from 0 to 100%.                                                                          |
| 5  | Strobe           | 000-010<br>011-255            | Blackout.<br>Strobe speed changes from slow to fast.                                                                       |
| 6  | Red Dimmer       | 000-255                       | Red output changes from dark to bright.                                                                                    |
| 7  | Green Dimmer     | 000-255                       | Green output changes from dark to bright.                                                                                  |
| 8  | Blue Dimmer      | 000-255                       | Blue output changes 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 A001 to A512.
- 3 Patch 16 consecutive channels on the controller.
- 4 Raise the master dimmer and the required RGBW or ring channels above zero.
- 5 Use channel 15 for automatic or sound-active macro playback when required.



## DMX512 CHANNEL FUNCTIONS - CHANNELS 9-16

| CH | Function          | DMXValue                                 | Description / Remark                                                                                 |
|----|-------------------|------------------------------------------|------------------------------------------------------------------------------------------------------|
| 9  | White Dimmer      | 000-255                                  | White output changes from dark to bright.                                                            |
| 10 | Ring Red Dimmer   | 000-255                                  | RGB ring red output changes from dark to bright.                                                     |
| 11 | Ring Green Dimmer | 000-255                                  | RGB ring green output changes from dark to bright.                                                   |
| 12 | Ring Blue Dimmer  | 000-255                                  | RGB ring blue output changes from dark to bright.                                                    |
| 13 | LED Macro         | 000-006<br>007-132<br>133-255            | No function.<br>Effect 1, speed from slow to fast.<br>Effect 2, speed from slow to fast.             |
| 14 | Motor Macro       | 000-006<br>007-132<br>133-255            | No function.<br>Fast motor macro.<br>Slow motor macro.                                               |
| 15 | Fixture Macro     | 000-049<br>050-099<br>100-149<br>150-255 | Direct DMX channel control.<br>Automatic program 1.<br>Automatic program 2.<br>Sound-active program. |
| 16 | Reset             | 000-240<br>241-255                       | No function.<br>Full fixture reset after approximately 3 seconds.                                    |

## CHANNEL MODE NOTE

### 16CH / 18CH VERSIONS

The product specification lists both 16-channel and 18-channel modes. The manufacturer-supplied channel chart documents the 16-channel profile shown above. If your fixture firmware offers an 18CH option, verify its additional channel mapping before programming a controller.

## STANDALONE OPERATION

| Mode         | HowtoSelect                 | Main Use                                                  |
|--------------|-----------------------------|-----------------------------------------------------------|
| DMX / Slave  | SHND → DMX                  | DMX control or synchronized slave operation.              |
| Automatic 1  | SHND → ATO1 or CH15 050-099 | Built-in program 1 without a controller.                  |
| Automatic 2  | SHND → ATO2 or CH15 100-149 | Built-in program 2 without a controller.                  |
| Sound Active | SHND → Soud or CH15 150-255 | Built-in effects respond to music through the microphone. |

## MOVEMENT AND EFFECT TIPS

- For static tilt positioning, keep channel 2 within 000-127.
- For continuous tilt rotation, use channel 2 values 128-255 and fine-tune speed with the selected value.
- Channel 3 changes movement speed from fast to slow; higher values produce slower pan/tilt movement.
- Use the RGBW master dimmer together with individual color channels to create balanced beam colors.
- Ring RGB channels can be controlled independently or combined with channel 13 macro effects.



## CONTROL MODE SUMMARY

| Mode                   | HowtoSelect                                                                | Main Use                                                                 |
|------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------------|
| <b>DMX Manual</b>      | Set a DMX address and control channels 1-16.                               | Full control of movement, color, dimmer, strobe, ring output and macros. |
| <b>Automatic 1 / 2</b> | Select ATO1 / ATO2 or channel 15 values.                                   | Built-in program playback without a controller.                          |
| <b>Sound Active</b>    | Select SOUD or channel 15 values 150-255.                                  | Built-in effects respond to music through the microphone.                |
| <b>Master / Slave</b>  | Set one fixture to a standalone program and compatible units to DMX/slave. | Synchronized playback across multiple fixtures.                          |

## SAFETY, INSTALLATION AND MAINTENANCE

### DISCONNECT POWER

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

- Read and understand this 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 apertures and the concentrated beam.
- Keep the fixture away from flammable materials.
- Internal service must be performed by qualified personnel.

## RECOMMENDED CLEANING AND INSPECTION

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

## STARSHINE LIGHTS SUPPORT

### Product Model: X37

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

Website: [www.starshinelights.com](http://www.starshinelights.com)

