



# STARSHINE LIGHTS PRODUCT MANUAL



# B4 RGB LASER BAR PRODUCT MANUAL



Important: This manual contains important information on safe installation and operation. Please read it carefully before use and keep it for future reference.

## 1. Product Precautions

- To ensure a long service life, do not place the product in damp areas, locations exposed to leaks, or environments above 60 C.
- Do not place the product in unstable locations or areas subject to strong vibration.
- To avoid the risk of electric shock, servicing must be carried out by qualified professionals only.
- When the fixture is in use, the power supply voltage should not vary by more than +/-10%. Excessive voltage can shorten the service life, while low voltage can affect the light output and color performance.
- After power-off, allow the fixture to cool fully for 5-10 minutes before turning it on again.
- To ensure proper use of this product, read this manual carefully before operation.

## 2. Product Features and Effects

- The light source section uses components that comply with international standards for laser generator applications.
- The semiconductor laser generator provides long service life, high stability, easy operation, user-friendly design, and dimming without visible flicker or shaking. It is suitable for photography, videography, television studios, and other applications with strict lighting requirements.
- Classic effects include beam grids, cloud-like effects, radiant beams, zoom in/out, time tunnel effects, and other 3D laser effects.



# STARSHINE LIGHTS PRODUCT MANUAL



## 3. Installation Instructions

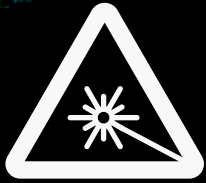
- This fixture may be installed horizontally, on an angled mount, or inverted. When installing at an angle or upside down, make sure the installation method is correct.
- Before positioning the fixture, ensure the mounting location is stable and secure.
- When the fixture is suspended in an inverted position, make sure it cannot fall from the mounting structure. A safety cable must pass through both the supporting structure and the fixture handle as secondary protection.
- To prevent falling or slipping, do not allow pedestrians to pass beneath the fixture during installation and adjustment.
- Inspect the safety cable regularly for wear and check whether the hook screws are loose.
- The manufacturer assumes no liability for damage or accidents caused by insecure hanging installation.

## 4. Safety Instructions

- To ensure safe and correct use, read the following safety instructions carefully before operation.
- Non-professionals must not disassemble the fixture or any internal components.
- Check whether the local AC power supply matches the rated voltage of the product.
- This fixture is designed with electric shock protection and must be connected to a properly grounded power supply system. The fixture ground wire must be connected to the system ground. Do not use a damaged power cable, and do not route the power cable together with other wires.
- During installation, keep any point on the fixture at least 10 m away from flammable or explosive materials, and keep at least 2.5 m between the light output and the illuminated surface. Do not install the fixture directly on combustible surfaces.
- Operating ambient temperature: -10 C to +40 C. Maximum fixture surface temperature: 80 C. Keep the fixture away from liquids and humid environments.
- Before use, ensure the fixture is properly grounded. Do not install or remove any parts while the power is on.
- When installing the fixture, tighten all mounting screws securely, add a safety cable, and inspect the installation regularly.
- It is recommended that continuous operation not exceed 10 hours. The interval between consecutive starts should not be less than 10 minutes. Otherwise, the overheat protection may prevent normal restart.
- If any abnormal condition occurs during use, stop using the fixture immediately.
- Replace the light source or relevant consumable component promptly when it reaches its rated service life to avoid the risk of bursting or other accidents.
- Inspect all moving parts and attached components regularly. If any looseness or wobbling is found, reinforce them immediately to prevent accidents.
- The fixture uses forced-air cooling and can accumulate dust easily. Clean it once a month, especially around the cooling vents. Dust buildup may block ventilation, reduce heat dissipation, and cause abnormal operation.

## 5. Menu Functions

Menu Item	Description
DMX Address	A001-A512 address setting
Channel Mode	11CH, 26CH, 38CH channel selection
Show Mode	SOUND, AUTO effect selection
Slave Mode	MASTER, SLAVE
Black Out	YES, NO standby mode
Sound State	ON, OFF sound control switch
Sound Sense	Sound sensitivity (0 = off, 100 = most sensitive)
Pan Inverse	YES, NO pan reverse
Tilt1 Inverse	YES, NO tilt reverse
Tilt2 Inverse	YES, NO tilt reverse
Tilt3 Inverse	YES, NO tilt reverse
Tilt4 Inverse	YES, NO tilt reverse
Tilt5 Inverse	YES, NO tilt reverse
Tilt6 Inverse	YES, NO tilt reverse
Back Light	ON, OFF backlight switch
Auto Test	Automatic test
Firmware Version	V104 software version
Defaults	YES, NO restore factory settings
System Reset	YES, NO system reset



# STARSHINE LIGHTS PRODUCT MANUAL





# STARSHINE LIGHTS PRODUCT MANUAL



## 6. DMX Channel Functions

### 6.1 11CH Mode

#### Channel 1: X-Axis Position

Controls the X-axis motor movement from 0° to 360°.

DMX Value: 0-255

#### Channel 2: X-Axis Speed

Adjusts the X-axis motor speed from fast to slow.

DMX Value: 0-255

#### Channel 3: Y1-Y6 Axis Position

Controls the Y1-Y6 axis motor movement from 0° to 360°.

- 0: No function
- 1-255: Positioning control

#### Channel 4: Y-Axis Speed

Adjusts the Y-axis motor speed from fast to slow.

DMX Value: 0-255

#### Channel 5: Auto Run / Sound Control

Selects built-in auto programs and sound-active modes.

- 0-55: No function
- 56-80: Auto Effect 1 (XY not controllable)
- 81-105: Auto Effect 2 (XY not controllable)
- 106-130: Auto Effect 3 (XY not controllable)
- 131-155: Auto Effect 4 (XY not controllable)
- 156-180: Auto Effect 5 (XY not controllable)
- 181-205: Sound Control (XY not controllable)
- 206-230: Auto Effect 6 (XY not controllable)
- 231-255: Sound Control (XY not controllable)

#### Channel 6: Auto Run Speed

Adjusts the speed of the auto programs. In sound mode, this channel is linked to sound sensitivity.

DMX Value: 0-255

#### Channel 7: Master Laser Dimmer

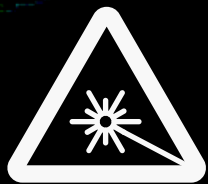
Controls the overall laser brightness from 0% to 100%.

DMX Value: 0-255

#### Channel 8: Strobe

Controls the strobe effect speed.

- 0-9: No strobe
- 10-255: Strobe speed from slow to fast



# STARSHINE LIGHTS PRODUCT MANUAL



## **Channel 9:** Laser Effects Selection

Selects one of the built-in laser effects.

- 0–15: No function
- 16–27: Effect 1
- 28–39: Effect 2
- 40–51: Effect 3
- 52–63: Effect 4
- 64–75: Effect 5
- 76–87: Effect 6
- 88–99: Effect 7
- 100–111: Effect 8
- 112–123: Effect 9
- 124–135: Effect 10
- 136–147: Effect 11
- 148–159: Effect 12
- 160–171: Effect 13
- 172–183: Effect 14
- 184–195: Effect 15
- 196–207: Effect 16
- 208–219: Effect 17
- 220–231: Effect 18
- 232–243: Effect 19
- 244–255: Effect 20

## **Channel 10:** Laser Effect Speed

Adjusts the playback speed of the selected laser effect from fast to slow.

DMX Value: 0–255

## **Channel 11:** Reset

Performs a full system reset.

- 0–249: No function
- 250–255: Full reset (hold the value for 5 seconds)

## **6.2 26CH Mode**

### **Channel 1: X-Axis Position**

Controls the X-axis motor movement from 0° to 360°.

DMX Value: 0–255

### **Channel 2: X-Axis Speed**

Adjusts the X-axis motor speed from fast to slow.

DMX Value: 0–255

### **Channel 3: Y1 Position**

Controls the Y1 axis motor movement from 0° to 360°.

DMX Value: 0–255

### **Channel 4: Y2 Position**

Controls the Y2 axis motor movement from 0° to 360°.

DMX Value: 0–255

### **Channel 5: Y3 Position**

Controls the Y3 axis motor movement from 0° to 360°.

DMX Value: 0–255

### **Channel 6: Y4 Position**

Controls the Y4 axis motor movement from 0° to 360°.

DMX Value: 0–255



# STARSHINE LIGHTS PRODUCT MANUAL



## **Channel 7: Y5 Position**

Controls the Y5 axis motor movement from 0° to 360°.

DMX Value: 0–255

## **Channel 8: Y6 Position**

Controls the Y6 axis motor movement from 0° to 360°.

DMX Value: 0–255

## **Channel 9: Y1–Y6 Group Position**

Controls the combined movement of Y1–Y6 axes.

- 0: No function
- 1–255: 0°–360° positioning

## **Channel 10: Y-Axis Speed**

Adjusts the Y-axis motor speed from fast to slow.

DMX Value: 0–255

## **Channel 11: Auto Run / Sound Control**

Selects built-in auto programs and sound-active modes.

- 0–55: No function
- 56–80: Auto Effect 1 (XY not controllable)
- 81–105: Auto Effect 2 (XY not controllable)
- 106–130: Auto Effect 3 (XY not controllable)
- 131–155: Auto Effect 4 (XY not controllable)
- 156–180: Auto Effect 5 (XY not controllable)
- 181–205: Sound Control (XY not controllable)
- 206–230: Auto Effect 6 (XY not controllable)
- 231–255: Sound Control (XY not controllable)

## **Channel 12: Auto Run Speed**

Adjusts the speed of the auto programs. In sound mode, this channel is linked to sound sensitivity.

DMX Value: 0–255

## **Channel 13: Master Laser Dimmer**

Controls the overall laser brightness from 0% to 100%.

DMX Value: 0–255

## **Channel 14: Strobe**

Controls the strobe effect speed.

- 0–9: No strobe
- 10–255: Strobe speed from slow to fast

## **Channel 15: Red Laser 1–6 Dimmer**

Controls the dimming level of red lasers 1–6.

- 0: No function
- 1–255: 1%–100% dimming

## **Channel 16: Green Laser 1–6 Dimmer**

Controls the dimming level of green lasers 1–6.

- 0: No function
- 1–255: 1%–100% dimming

## **Channel 17: Blue Laser 1–6 Dimmer**

Controls the dimming level of blue lasers 1–6.

- 0: No function
- 1–255: 1%–100% dimming



# STARSHINE LIGHTS PRODUCT MANUAL



## **Channel 18: Group 1 RGB Laser**

Selects the output color for Group 1.

- 0–31: Off
- 32–63: Red
- 64–95: Green
- 96–127: Blue
- 128–159: Yellow
- 160–191: Purple
- 192–223: Cyan
- 224–255: Full On

## **Channel 19: Group 2 RGB Laser**

Selects the output color for Group 2.

- 0–31: Off
- 32–63: Red
- 64–95: Green
- 96–127: Blue
- 128–159: Yellow
- 160–191: Purple
- 192–223: Cyan
- 224–255: Full On

## **Channel 20: Group 3 RGB Laser**

Selects the output color for Group 3.

- 0–31: Off
- 32–63: Red
- 64–95: Green
- 96–127: Blue
- 128–159: Yellow
- 160–191: Purple
- 192–223: Cyan
- 224–255: Full On

## **Channel 21: Group 4 RGB Laser**

Selects the output color for Group 4.

- 0–31: Off
- 32–63: Red
- 64–95: Green
- 96–127: Blue
- 128–159: Yellow
- 160–191: Purple
- 192–223: Cyan
- 224–255: Full On

## **Channel 22: Group 5 RGB Laser**

Selects the output color for Group 5.

- 0–31: Off
- 32–63: Red
- 64–95: Green
- 96–127: Blue
- 128–159: Yellow
- 160–191: Purple
- 192–223: Cyan
- 224–255: Full On



# STARSHINE LIGHTS PRODUCT MANUAL

## Channel 23: Group 6 RGB Laser

Selects the output color for Group 6.

- 0–31: Off
- 32–63: Red
- 64–95: Green
- 96–127: Blue
- 128–159: Yellow
- 160–191: Purple
- 192–223: Cyan
- 224–255: Full On

## Channel 24: Laser Effects Selection

Selects one of the built-in laser effects.

- 0–15: No function
- 16–27: Effect 1
- 28–39: Effect 2
- 40–51: Effect 3
- 52–63: Effect 4
- 64–75: Effect 5
- 76–87: Effect 6
- 88–99: Effect 7
- 100–111: Effect 8
- 112–123: Effect 9
- 124–135: Effect 10
- 136–147: Effect 11
- 148–159: Effect 12
- 160–171: Effect 13
- 172–183: Effect 14
- 184–195: Effect 15
- 196–207: Effect 16
- 208–219: Effect 17
- 220–231: Effect 18
- 232–243: Effect 19
- 244–255: Effect 20

## Channel 25: Laser Effect Speed

Adjusts the playback speed of the selected laser effect from fast to slow.

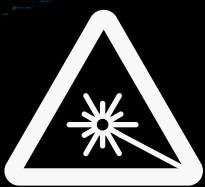
DMX Value: 0–255

## Channel 26: Reset

Performs a full system reset.

- 0–249: No function
- 250–255: Full reset (hold the value for 5 seconds)





# STARSHINE LIGHTS PRODUCT MANUAL



## 6.3 38CH Mode

### Channel 1: X-Axis Position

Controls the X-axis motor movement from 0° to 360°.

DMX Value: 0–255

### Channel 2: X-Axis Speed

Adjusts the X-axis motor speed from fast to slow.

DMX Value: 0–255

### Channel 3: Y1 Position

Controls the Y1 axis motor movement from 0° to 360°.

DMX Value: 0–255

### Channel 4: Y2 Position

Controls the Y2 axis motor movement from 0° to 360°.

DMX Value: 0–255

### Channel 5: Y3 Position

Controls the Y3 axis motor movement from 0° to 360°.

DMX Value: 0–255

### Channel 6: Y4 Position

Controls the Y4 axis motor movement from 0° to 360°.

DMX Value: 0–255

### Channel 7: Y5 Position

Controls the Y5 axis motor movement from 0° to 360°.

DMX Value: 0–255

### Channel 8: Y6 Position

Controls the Y6 axis motor movement from 0° to 360°.

DMX Value: 0–255

### Channel 9: Y1–Y6 Group Position

Controls the combined movement of Y1–Y6 axes.

- 0: No function
- 1–255: 0°–360° positioning

### Channel 10: Y-Axis Speed

Adjusts the Y-axis motor speed from fast to slow.

DMX Value: 0–255

### Channel 11: Auto Run / Sound Control

Selects built-in auto programs and sound-active modes.

- 0–55: No function
- 56–80: Auto Effect 1 (XY not controllable)
- 81–105: Auto Effect 2 (XY not controllable)
- 106–130: Auto Effect 3 (XY not controllable)
- 131–155: Auto Effect 4 (XY not controllable)
- 156–180: Auto Effect 5 (XY not controllable)
- 181–205: Sound Control (XY not controllable)
- 206–230: Auto Effect 6 (XY not controllable)
- 231–255: Sound Control (XY not controllable)

### Channel 12: Auto Run Speed

Adjusts the speed of the auto programs. In sound mode, this channel is linked to sound sensitivity.

DMX Value: 0–255

### Channel 13: Master Laser Dimmer

Controls the overall laser brightness from 0% to 100%.

DMX Value: 0–255



# STARSHINE LIGHTS PRODUCT MANUAL



## **Channel 14: Strobe**

Controls the strobe effect speed.

- 0-9: No strobe
- 10-255: Strobe speed from slow to fast

## **Channel 15: Red Laser 1-6 Dimmer**

Controls the overall dimming level of red lasers 1-6.

- 0: No function
- 1-255: 1%-100% dimming

## **Channel 16: Green Laser 1-6 Dimmer**

Controls the overall dimming level of green lasers 1-6.

- 0: No function
- 1-255: 1%-100% dimming

## **Channel 17: Blue Laser 1-6 Dimmer**

Controls the overall dimming level of blue lasers 1-6.

- 0: No function
- 1-255: 1%-100% dimming

## **Channel 18: Group 1 Red Laser**

Controls the brightness of Group 1 Red Laser from 0% to 100%.

DMX Value: 0-255

## **Channel 19: Group 1 Green Laser**

Controls the brightness of Group 1 Green Laser from 0% to 100%.

DMX Value: 0-255

## **Channel 20: Group 1 Blue Laser**

Controls the brightness of Group 1 Blue Laser from 0% to 100%.

DMX Value: 0-255

## **Channel 21: Group 2 Red Laser**

Controls the brightness of Group 2 Red Laser from 0% to 100%.

DMX Value: 0-255

## **Channel 22: Group 2 Green Laser**

Controls the brightness of Group 2 Green Laser from 0% to 100%.

DMX Value: 0-255

## **Channel 23: Group 2 Blue Laser**

Controls the brightness of Group 2 Blue Laser from 0% to 100%.

DMX Value: 0-255

## **Channel 24: Group 3 Red Laser**

Controls the brightness of Group 3 Red Laser from 0% to 100%.

DMX Value: 0-255

## **Channel 25: Group 3 Green Laser**

Controls the brightness of Group 3 Green Laser from 0% to 100%.

DMX Value: 0-255

## **Channel 26: Group 3 Blue Laser**

Controls the brightness of Group 3 Blue Laser from 0% to 100%.

DMX Value: 0-255

## **Channel 27: Group 4 Red Laser**

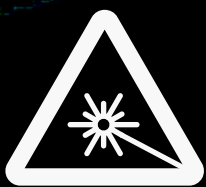
Controls the brightness of Group 4 Red Laser from 0% to 100%.

DMX Value: 0-255

## **Channel 28: Group 4 Green Laser**

Controls the brightness of Group 4 Green Laser from 0% to 100%.

DMX Value: 0-255



# STARSHINE LIGHTS PRODUCT MANUAL



## **Channel 29: Group 4 Blue Laser**

Controls the brightness of Group 4 Blue Laser from 0% to 100%.

DMX Value: 0–255

## **Channel 30: Group 5 Red Laser**

Controls the brightness of Group 5 Red Laser from 0% to 100%.

DMX Value: 0–255

## **Channel 31: Group 5 Green Laser**

Controls the brightness of Group 5 Green Laser from 0% to 100%.

DMX Value: 0–255

## **Channel 32: Group 5 Blue Laser**

Controls the brightness of Group 5 Blue Laser from 0% to 100%.

DMX Value: 0–255

## **Channel 33: Group 6 Red Laser**

Controls the brightness of Group 6 Red Laser from 0% to 100%.

DMX Value: 0–255

## **Channel 34: Group 6 Green Laser**

Controls the brightness of Group 6 Green Laser from 0% to 100%.

DMX Value: 0–255

## **Channel 35: Group 6 Blue Laser**

Controls the brightness of Group 6 Blue Laser from 0% to 100%.

DMX Value: 0–255

## **Channel 36: Laser Effects Selection**

Selects one of the built-in laser effects.

- 0–15: No function
- 16–27: Effect 1
- 28–39: Effect 2
- 40–51: Effect 3
- 52–63: Effect 4
- 64–75: Effect 5
- 76–87: Effect 6
- 88–99: Effect 7
- 100–111: Effect 8
- 112–123: Effect 9
- 124–135: Effect 10
- 136–147: Effect 11
- 148–159: Effect 12
- 160–171: Effect 13
- 172–183: Effect 14
- 184–195: Effect 15
- 196–207: Effect 16
- 208–219: Effect 17
- 220–231: Effect 18
- 232–243: Effect 19
- 244–255: Effect 20

## **Channel 37: Laser Effect Speed**

Adjusts the playback speed of the selected laser effect from fast to slow.

DMX Value: 0–255

## **Channel 38: Reset**

Performs a full system reset.

- 0–249: No function
- 250–255: Full reset (hold the value for 5 seconds)



## 7. Motor Fine-Tuning Function

- Press the MENU key to enter the menu.
- Press and hold ENTER for at least 3 seconds until the display shows 'Pan Offerset' (X-axis motor fine-tuning).
- Press ENTER and adjust the motor position within the range of -127 to 127.
- Press ENTER again to save the fine-tuning value.

## 8. Maintenance

- Prevent dust, dirt, and fog fluid from being deposited into or entering the fixture. Keep the operating environment of the laser fixture as clean as possible.
- Clean the reflective lenses once a month using professional glass cleaner and a soft cloth to ensure maximum laser brightness output and to extend the service life of the light source.

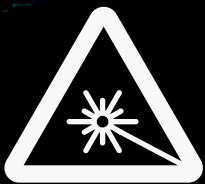
## 9. Warranty Information

- Warranty period: one year from the date of purchase.
- During the warranty period, failures occurring under normal operating conditions may be repaired free of charge by presenting the warranty card and proof of purchase (copy acceptable) to the dealer or manufacturer.
- The following cases are not covered by free warranty service and will be repaired at cost:
  - Failure to provide a valid warranty card.
  - Missing, altered, or incomplete information on the warranty card, or no dealer name shown.
  - Faults or damage caused by force majeure.
  - Faults or damage caused during transportation or handling.
  - Faults or damage caused by failure to follow the instructions in this manual.
  - Faults or damage caused by unauthorized disassembly, repair, or modification by non-professionals or parties not authorized by the manufacturer, including faults caused by use of non-approved or non-matching control systems.
- Consumable parts.
- The manufacturer reserves the right of final interpretation of these warranty terms.



# STARSHINE LIGHTS PRODUCT MANUAL





# STARSHINE LIGHTS PRODUCT MANUAL



## 10. Product Warranty Card

Product Name	B4 Full-Color Moving Head Laser Light
Product Model	B4
End User	
Company / Organization	
Address	
Contact Person / Phone	
Date of Manufacture / Purchase Date	