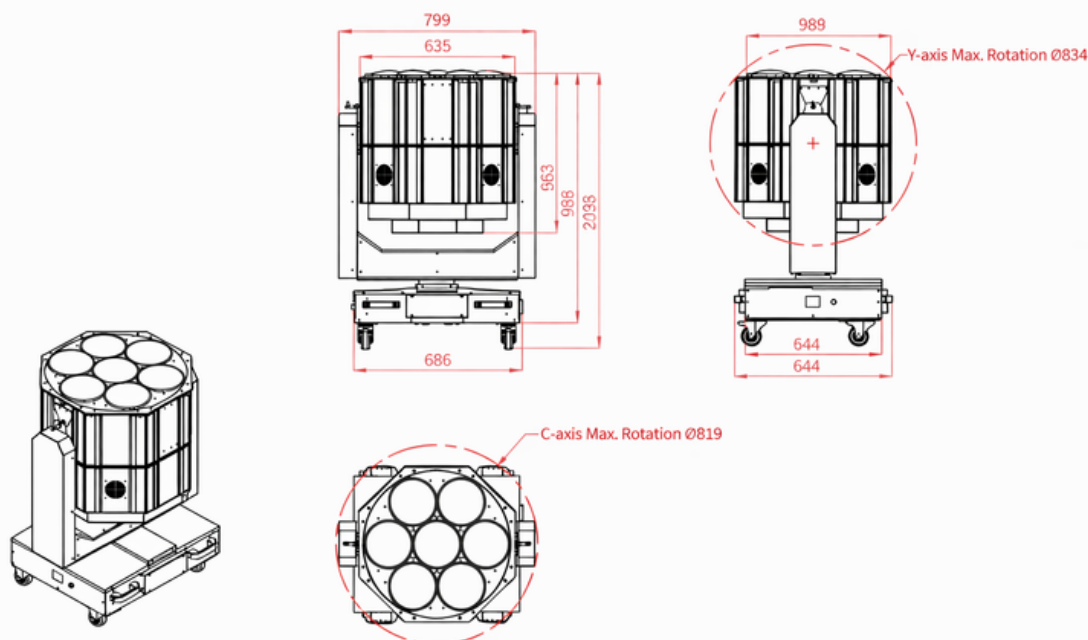


078 SKY LASER LIGHT PRODUCT MANUAL



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1. Safety Guide

Please keep this manual for future reference. If you sell or pass this product on to other users, make sure they also receive this manual. Note:

The unit is fully packaged and inspected before leaving the factory. Please operate it according to this user manual. Failures caused by improper use or other human factors are not covered by warranty.

- Before use, unpack and inspect the fixture carefully to ensure there is no damage caused during transportation. If there is any damage, do not use it and contact your dealer immediately.
- Installation and operation must be performed by qualified professionals.
- When mounting the fixture, always use an approved safety cable.
- Install the fixture in a well-ventilated area, keeping at least 50 cm away from nearby surfaces.
- Before powering on, make sure the supply voltage matches the fixture's rated voltage.
- Properly ground the fixture to prevent electric shock.
- Do not operate the fixture in ambient temperatures above 40°C (104°F).
- Do not connect the fixture directly to a dimmer pack.
- Keep flammable materials away from the fixture during operation to prevent fire hazards.
- Before turning on, check the power cord for damage. If damaged, replace it immediately.
- During operation, the heat sink surface temperature may reach 50°C (122°F). Do not touch it with bare hands.
- Avoid operating the fixture in dirty or dusty environments, and perform regular cleaning and maintenance.
- Keep out of reach of children. Do not allow children to operate the fixture.
- Do not touch any wires while the fixture is operating to avoid electric shock.
- Avoid tangling the power cord with other cables.
- If a serious malfunction occurs, stop using the fixture immediately.
- Replace the housing, lens, or other parts immediately if they show obvious damage.
- There are no user-serviceable parts inside. Do not open the housing. For servicing, contact your nearest authorized service center.
- Disconnect power when the fixture is not in use for an extended period or when servicing.
- Use the original packaging for re-shipping.
- Do not stare directly into the light output during operation.

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2. Technical Specifications

7000W Seven-Head RGB Outdoor Waterproof Laser Beam Moving Head

- **Light Source:** Integrated semiconductor laser diode module
- **Laser Output Power:**
 - **Red:** 70W @ 638 nm × 7
 - **Green:** 43W @ 525 nm × 7
 - **Blue:** 117W @ 450 nm × 7
- **Optical Aperture:** 200 mm × 7
- **Laser Lifetime:** > 20,000 hours
- **Pan (Horizontal):** 540° (16-bit fine movement)
- **Tilt (Vertical):** 260° (16-bit fine movement)
- **Reset Function:** Auto-correction reset with position feedback
- **Color Mixing:** RGB laser color mixing; single-point independent control supported
- **Effects:** Beam rotation effects
- **Focus:** 0.3°–1.5° (beam angle)
- **Prism:** 3-facet / 8-facet / 16-facet (choose one)
- **Frost:** Frost/softening effect
- **Dimming:** 0–100% linear dimming
- **Strobe:** Up to 25 Hz; random strobe or pulse strobe selectable
- **Ingress Protection:** IP65 waterproof
- **DMX Channel Mode:** 32 international standard DMX channels
- **Power Supply:** AC 200–240V, 50/60Hz
- **Total Power Consumption:** 7000 W
- **Fixture Dimensions:** 64.4 × 79.9 × 109.8 cm
- **Net Weight:** 165 kg

3. Installation

Select a suitable location and make sure the mounting bracket is securely fixed. Then connect the power cable and signal cable.

3.1 Power Connection

Power connection must be performed by qualified personnel only. Confirm that the supply voltage matches the voltage rating marked on the fixture, and ensure the circuit is protected with overload and residual-current (leakage) protection.

Power Cable Wiring

Wire Color	Function	Marking
Brown	Live (Line)	L
Blue	Neutral	N
Yellow/Green	Earth (Ground)	

3.2 DMX512 Signal Connection

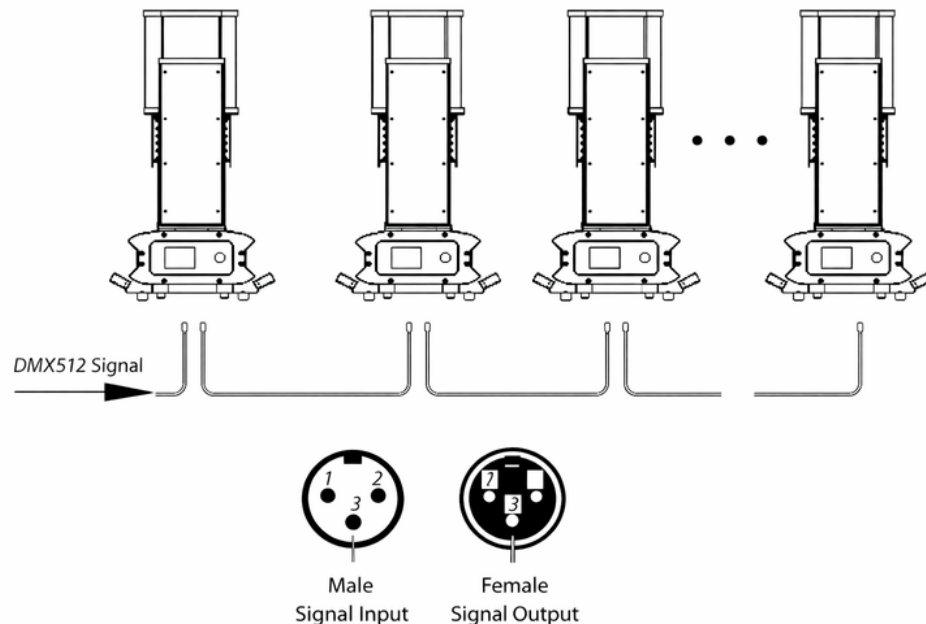
The fixture's signal leads consist of two 2-core shielded cables with waterproof connectors. The male connector is the DMX input, and the female connector is the DMX output. Both connectors are labeled 1, 2, 3:

- **Pin 1 (Black):** DMX512 Ground (GND)
- **Pin 2 (Blue):** DMX512 Data (–)
- **Pin 3 (Brown):** DMX512 Data (+)



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4. Menu Instructions

Button Functions

1. **UP / Right:** Increase (+)
2. **DOWN / Left:** Decrease (-)
3. **ENTER / Confirm:** Press to save settings

Table 1 — Signal Settings

Main Menu	Submenu	Setting / Range / Options
Signal Settings	Address	000-512
	Velocity	000-255
	Package	000-512
	Return	▲



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Table 2 — Special Settings

Main Menu	Submenu	Setting / Options
Special	Run Mode	DMX / Music / Auto
	DMX Lamp	Off / Open
	Lamp Default	Off / Open
	Lamp Control	Off / Open
	Signal Clear	Off / Open
	DMX Reset	Off / Open
	Execute Reset	Cancel / Execute
	X Reverse	Off / Open
	Y Reverse	Off / Open
	XY Speed	Fast / Normal / Slow
	XY Feedback	Off / Open
	Return	▲

Table 3 — Info / DMX Level / Built-in Programming

Main Menu	Submenu	Setting / Range / Notes
Info	Total Hours (Work Hour)	0000-9999
	Current Hours (Curr Hour)	0000-9999
	Lamp Hours (Lamp Hour)	0000-9999
	Power-on Count (Work Times)	0000-9999
	Return	▲
DMX Level	Channel 01-28	000-255
	Return	▲
Built-in Programming	Scene Quantity	001-010
	Select	001-010
	Program Time	000-255
	Channel 01-25	000-255 (Channel Control)
	Return	▲





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Table 4 — Display Settings / Help Tools / Return

Main Menu	Submenu	Setting / Options / Range
Display	Display Orientation (Show Reverse)	Normal / Reverse
	Language	Chinese / English
	Brightness	10%–100%
	Backlight Delay	60 s / 90 s / Always On
	Menu Timeout (Menu Back)	60 s / 90 s / Off
	Return	▲
Help Tools	Check Code	000–255
	Clear Time	Clear
	Clear Count	Clear
	Clear Lamp	Clear
	Motor 01–16	000–255
	Return	▲
	Return	▲



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32CH DMX512 channels

Table A — Channels 1–6 (Movement / Speed / Reset)

CH	Function	DMX Value	Description
1	Pan (X)	—	Pan 0–540°
2	Pan Fine (X 16-bit)	—	16-bit fine pan
3	Tilt (Y)	—	Tilt 0–270°
4	Tilt Fine (Y 16-bit)	—	16-bit fine tilt
5	Pan/Tilt Speed	0–255	Speed: Fast → Slow
6	Reset	140–149	Pan/Tilt reset (reserved)
		160–169	Small motor reset (reserved)
		200–209	Full reset (hold 10 seconds)



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Table B — Channels 7–8 (Dimmer / Strobe)

CH	Function	DMX Value	Description
7	Master Dimmer	0–255	(Not specified)
8	Master Strobe	0–19	Strobe OFF
		20–49	Strobe ON
		50–64	Strobe rate: Fast → Slow
		65–69	Strobe ON
		70–84	Pulse strobe (ON pulse): Fast → Slow
		85–89	Strobe ON
		90–104	Pulse strobe (OFF pulse): Fast → Slow
		105–109	Strobe ON
		110–124	Random strobe
		125–129	Strobe ON
		130–144	Random + ON pulse: Fast → Slow
		145–149	Strobe ON
		150–164	Random + OFF pulse: Fast → Slow
		165–169	Strobe ON
		170–184	Pulse strobe: Fast → Slow
		185–189	Strobe OFF
		190–204	Random pulse strobe
		205–209	Strobe ON
		210–224	Sine-wave strobe
		225–229	Strobe ON
		230–244	Lightning strobe
		245–255	Strobe ON



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Table 2 — Channels 9–16 (Focus / Color Macro / Frost / Prism)

CH	Function	DMX Value	Description
9	Focus	0–255	From collimated beam to wider beam (shown as 1°–3°)
10	RGB Macro Color 1	—	(Not specified)
11	R	0	White
12	G	1–455 (as written)	14 colors; switches every 5 values, includes half colors (confirm range)
13	B	146–155	White
14	Frost (Soft)	0–4	White light
15	Prism	0–127	No effect
		128–255	Prism in
16	Prism Rotation	0–127	Prism rotation 0–540°
		128–189	Forward rotation: slow → fast → slow
		190–193	Stop
		194–255	Forward rotation: slow → fast



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Table 3 — Channels 17–24 (Strobe / RGB Effects + Speed)

CH	Function	DMX Value	Description
17	Strobe Effect	0–255 (not specified)	Effect selection (details not provided)
18	Strobe Effect Speed	0–255 (not specified)	Speed control
19	Red Effect	0–255 (not specified)	Effect selection
20	Red Effect Speed	0–255 (not specified)	Speed control
21	Green Effect	0–255 (not specified)	Effect selection
22	Green Effect Speed	0–255 (not specified)	Speed control
23	Blue Effect	0–255 (not specified)	Effect selection
24	Blue Effect Speed	0–255 (not specified)	Speed control

Table 4 — Channels 25–32 (Macro / Frost / Prism Effects + Speed)

CH	Function	DMX Value	Description
25	Color Macro Effect	0–255 (not specified)	Effect selection
26	Color Macro Effect Speed	0–255 (not specified)	Speed control
27	Frost Effect	0–255 (not specified)	Effect selection
28	Frost Effect Speed	0–255 (not specified)	Speed control
29	Prism Effect	0–255 (not specified)	Effect selection
30	Prism Effect Speed	0–255 (not specified)	Speed control
31	Prism Rotation Effect	0–255 (not specified)	Effect selection
32	Prism Rotation Effect Speed	0–255 (not specified)	Speed control



6. Fixture Auto Program Setup (Standalone Playback)

1. On the control panel, press ENTER once to enter the Level 1 menu. Use UP/DOWN to select Run Mode, then press ENTER to enter the mode selection. Set the run mode to DMX. After selection, press ENTER to save and return to the Level 1 menu.
 2. In the Level 1 menu, use UP/DOWN to select Built-in Program, then press ENTER to enter the Level 2 menu.
 3. In the Level 2 menu, select Scene Quantity, then press ENTER to edit the number of scenes. You can select 001–010 (up to 10 scenes). Each value represents how many scenes will be played back. Select the desired number, press ENTER to save, and return to the Level 2 menu.
 4. In the Level 2 menu, select Select, then press ENTER to choose which scene to edit. You can select 001–010:
 - 001 = edit Scene 1
 - 002 = edit Scene 2
 - ...and so on.
 - After choosing the scene, press ENTER to save and return to the Level 2 menu.
 5. For each selected scene, the Level 2 menu provides options for the fixture's functions. Edit each option one by one to create the desired effect.
 6. After editing a scene, select Hold Time in the Level 2 menu, then press ENTER to set the duration. Range: 000–255. Each value represents the playback time for that scene. Time conversion:
 - 001 = 1 × 10 seconds
 - 005 = 5 × 10 seconds
 - 010 = 10 × 10 seconds
 - ...and so on.
 - Note: Each scene requires its own hold time setting.
 7. After all scenes are edited, return to the Level 1 menu and change Run Mode to AUTO. Press ENTER to save, exit the menu, and the auto program setup is complete.
- Note: If you need to modify an existing scene, you must first set Run Mode to DMX, then enter Built-in Program to select and edit the scene. After editing, change Run Mode back to AUTO.

6. Fixture Auto Program Setup (Standalone Playback)

If the fixture does not operate and the light does not turn on, check whether the power connection is secure and whether the input voltage is normal. If the external power supply is normal, please contact the manufacturer promptly.

8. Cleaning & Maintenance

The lens must be cleaned regularly to maintain the best lighting effect. Cleaning frequency depends on the environment. Humid, smoky, or very dirty environments will cause dust to accumulate more easily.

- Use a soft linen/cotton cloth and a dedicated glass cleaner.
- Clean the fixture carefully.
- Clean the outside of the lens at least once every 30 days.



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9. Accessories

- 1 × Power adapter cable
- 1 × Signal adapter cable

Warranty: 3 years from date of purchase (excluding consumables and user-caused damage).

Support: For assistance, visit www.starshinelights.com/support or email service@starshinelights.com

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