

Acue[®]Lighting

PROFESSIONAL STAGE LIGHTING

SOLAR
RAY



USER MANUAL

1. INTRODUCTION

Thank you for choosing the Acue Lighting Solar Ray. To use this product correctly and safely, please read the instructions carefully before installing and using this product. This manual contains important installation and operation information. Make sure to strictly follow the instructions when installing and operating this product. Retain this manual in a safe place for future reference.

The Solar Ray uses a high-temperature resistant metal body with some plastic components. This product is designed and produced in strict accordance with CE standards and conforms to the international standard of DMX512 signal protocol. It can be controlled manually from the display or by DMX using the built in 3 pin XLR in/out connectors. This fixture has multiple DMX channel modes to choose from. It is suitable for various types of concerts, theaters, studios, nightclubs, bars and other like environments.

2. SAFETY INSTRUCTIONS

- Please keep this User Manual for future reference. All users of this fixture must read the user manual thoroughly.
- Unpack and check contents carefully to make sure there is no damage caused by shipping before using the unit.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.
- It's important to properly ground the fixture to avoid electric shock.
- The unit is for indoor use only. Use only in a dry location.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Disconnect main power before moving fixture.
- Make sure there are no flammable materials close to the unit while operating, as it is fire hazard.
- Use safety cable when mounting this unit.
- Maximum ambient operating temperature is :40°C. Do not operate if the temperature is higher than this.
- Unit surface temperature may reach up to 85°C. Do not touch the housing bare-handed during its

operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.

- In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled individuals can lead to further damage or malfunction.

Please contact the nearest authorized technical assistance center. Always use the same type Spare parts.

3. Maintenance and Installation

3.1 Maintenance

- To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
- Intermittent usage will extend this fixtures service life.
- Please clear the fan, fan net, and optical lens of any dust or obstructions in order to keep the fixture in a proper working state.
- Do not use alcohol or any other organic solvent to wipe the shell.

3.2 Statement

All fixtures have been tested thoroughly before leaving the factory. In order to keep the product in good condition and ensure safe operation, users should follow the safety precautions and warnings in this manual.

Important: Damages caused by not following the guidelines in this user manual are not covered under warranty. The manufacturer is not responsible for product issues caused by misuse.

3.3 Safety Precaution

- In order to guarantee the product's life expectancy, do not store or use in damp places or environments over 60°C.
- Always mount this unit in a safe and stable manner. Mounting system must be able to withstand 10x that of the fixture's weight. A safety cable must always be used as a secondary source for securing the fixture.
- Skilled individuals must only perform the installation of this fixture.
- This product can be used in the voltage range of 90-240V and is an indoor product. Please make sure that

the power mains voltage used is not higher/or lower than what the product can withstand! The power plug must be inserted into a protected Class I socket and must be grounded properly.

- In order to make sure the product is used properly, please read this manual carefully.

3.4 Cable connection (DMX)

Make sure to use a cable conforming to specifications EIA RS-485: 2-pole twisted, shielded, 120Ohm characteristic impedance, 22-24 AWG, Low capacity. Do not use microphone cable or other cable with characteristics differing from those specified. The end connections must be made using XLR type 3 or 5 pin male/female connectors. A terminating plug must be inserted into the last fixture with a resistance of 120 Ohm (minimum 1/4 W) between terminals 2 and 3.

IMPORTANT: The wires must not make contact with each other or with the metal casing of the connectors. The casing itself must be connected to the ground of the connector plugs.

4. Display Operation

Menu	Value	Description
A001	1-512	Table console mode or slave mode
d001	1-512	Table console mode or slave mode
R255	0-255	Warm white, brightness from dark to bright
G255	0-255	Cold white, brightness from dark to bright
FH99	1-99	Flash mode
CL01	1-31	Color selection, corresponding to 31 solid -state effects
CC99	1-99	Color jump mode speed
dE99	1-99	Color grading mode speed
CP99	1-99	Color pulse mode speed
SU01	1-2	Sound control mode
Note: Press and hold Menu to enter advanced settings. Press Enter to save.		
0	0	Enter the advanced menu
R180	0-255	Warm white, brightness from dark to bright
G180	0-255	Cold white, brightness from dark to bright
SEnd		Background data sending
SU35	1-40	Sound control sensitivity
Iron	Lron/Irof	IR Remote control setting (optional)

5. DMX Channels

A001 (6Ch Mode)

Channel	Function	Channel value	Function description
CH1	Dimmer	0	Off
		1-255	Dimmer adjust from off to full on
CH2	Warm white	0	Warm white off
		1-255	Warm white adjust from off to full on
CH3	Cold white	0	Cold white off
		1-255	Cold white adjust from off to full on
CH4	Shutter Strobe	0	Strobe off
		1-255	Strobe adjust from slow to fast
CH5	Macro Functions	0	Off
		1-62	Color selection
		63-124	Color jumping effect
		125-186	Color grading effect
		187-249	Color pulse effect
		250-255	Sound control
CH6	Color Selection	0-255	Color selection, corresponding to 31 built-in effects
	Macro Speed	0-255	Speed from slow to block
	Sound Control mode	0-255	0-127 is strobe function of sound mode 128-255 is jump change control of sound mode

D001 (24Ch Mode)

Channel	Function	Channel value	Function description
CH1	Dimmer	0	Off
		1-255	Dimmer adjust from off to full on
CH2	Shutter Strobe	0	Strobe off
		1-255	Strobe adjust from slow to fast
CH3	Macro Functions	0	Off
		1-62	Color selection
		63-124	Color jumping effect
		125-186	Color grading effect
		187-249	Color pulse effect
		250-255	Sound control mode
CH4	Color selection	0-255	Color selection, corresponding to 31 built-in effects

	Macro Speed	0-255	Speed from slow to block
	Sound Control Mode	0-255	0-127 is strobe function of sound mode. 128-255 is jump change control of sound mode.
CH5	Warm White 1	0-255	Warm white brightness
CH6	Cold White 1	0-255	Cold white brightness
CH7	Warm White 2	0-255	Warm white brightness
CH8	Cold White 2	0-255	Cold white brightness
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CH23	Warm White 10	0-255	Warm white brightness
CH24	Cold White 10	0-255	Cold white brightness

6. Technical Specifications

- Input Voltage: AC100 ~ 240V 50/60Hz
- Max Power Draw: 350W
- Light Source: 10*50W WW/CW COB LEDs
- Control Modes: DMX512, Auto, Sound Active, Master-Slave Mode.
- DMX Channel Modes: 6 & 24
- Dimming Control: 32bit 0 ~ 100% linear dimming control
- Working Temperature: -30° C ~ 50° C
- Connection method: DMX512 input output / power input output
- Product Size (LxWxH): 37.75" x 6" x 7"
- Net Weight: 8.5 lbs

7. Warranty

This product carries a 1-year manufacturer's warranty which covers factory defects or internal issues not caused by the owner/operator of the fixture. Misuse, physical damage, water damage, or any other issues caused by misuse by the customer are not covered under manufacturer's warranty. All warranty claims must be handled directly through the manufacturer and not the dealer. Original sales receipt required for all warranty claims. Submit all claims to Info@Acuelighting.com.

For more information about this product as well as all our other products please visit:

www.AcueLighting.com

Or contact us directly:

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