LED MINI SPOT MOVING

Model: YR-S4001

User Manual
Please read these instructions carefully before use

Contents

Innovation | Efficiency | Dedication | Harmonious

Section 1. Getting Started

✧　Unpacking

✧　Safety Instruction

Unpacking

·　　1pc Fixture

·　　1pc User Manual

·　　1pc Signal Cable

Thanks for using our MINI range. Carefully unpack the box and check the contents to ensure that all parts are present and in good conditions. If anything looks as if it has been damaged in transit, notify the shipper immediately and keep the packing material for inspection. Again, please save the carton and all packing materials. If a fixture must be returned to manufacturer, it is important that the fixture be returned in the original manufacturer box and packing.

Safety Instruction

⚠️ **For your safety, please read this user manual carefully before operation. The machine should be operated by qualified engineer!**

- Please conserve this manual as operation guidance. If you sell this product to other user, please make sure that they also receive this user manual.
- Always make sure that you are connecting to the proper voltage and that the line voltage you are connecting to is not higher than that stated on the decal or rear panel of the fixture.
- The fixture is intended to indoor use only. To prevent risk of fire or shock, do not expose fixture to rain or moisture. Make sure there are no flammable, explosive or corrosive materials surrounded in 1.5 meter while operating.
- The unit must be installed in a location with adequate ventilation, at least 50CM away from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Do not operate at ambient temperatures higher than 95℉(35℃).
- Safe wire should be used to install machine. Bearing of safe wire should be 3 times of the machine weight. Complimentary signal cable transmits signals to 20 unit fixtures at most within 20meters. Signal amplifier is a must to connect more fixtures. Sectional area of complimentary power cable is 1㎡. In daisy chain model, it allows to connect to 4 fixtures at most.
- Always disconnect from the power source before servicing or replacing fuse/lamp and be sure to replace with same fuse/lamp size and type. Cut off power before moving, repairing and cleaning the machine.
- Secure fixture using a safety chain and carrying handles. Never carry the fixture by its cord.
- In case of failure or misfunction occurred, stop using the unit immediately.
- Repairs carried out by unskilled people can lead to damage or malfunction. Buy the same spare parts/components from manufacturer directly.
- To avoid electric shock, all fixtures must be connected to circuits with a suitable ground. Make sure the power cord is never crimped or damaged. Do not power on and power off the fixture in a short time. For your safety, do not touch fixture when running.
- When use DMX controller, please make sure that there is no interference sources(e.g. intercom, high frequency radio waves and radiation source)

Caution! There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your local distribution or after-sale service center.

保 修 卡
Protection to Fix Card

非常感谢您使用我们的产品

1. 本产品从购买日起，正常操作使用并未经拆修，经保修人员确认属产品质量问题，一年内享受保修服务，在任何正常情况下均提供维修。

2. 保修卡应在购买时予填写。保修卡无本公司保修章无效。产品维护时请带保修卡。

Very thank you for using our products

1. This product from the acquisition, normal operation and all the parts inside the, the warranty of quality products confirm asked problem, enjoy a year warranty service, in any normal maintenance are available.

2. The warranty card when buy should be to fill in. Without this company product warranty chapter ss invalid. Please bring the product maintenance warranty Card.

顾客姓名 Customer Name	购买日期 Purchasing Date	产品型号 Product Model	购买商 Purchaser
保修记录： Warranty record			

Specification:

Voltage：AC110V-240V

Frequency：50/60Hz

Rated Power：80W

LED: 40W white

Strobe: 1-10 times / second

PAN: 540° (Electronic correction)

TILT: 220° (Electronic correction)

GOBO Wheel: 9 fixed gobo+ white beam, two ways flowage effect, gobo shaking,

electronic position

Color wheel: 7 color + white, rainbow effect, electronic position

Beam angle: 9°

Control：DMX512

Channel: 11 channels

Control Mode：DMX/sound active/auto/ master-slave/manual

Level of Protection: IP20

Stock: Clean and Dry place

Running Temp.: 0°C~35°C

Weight: 3.5kg
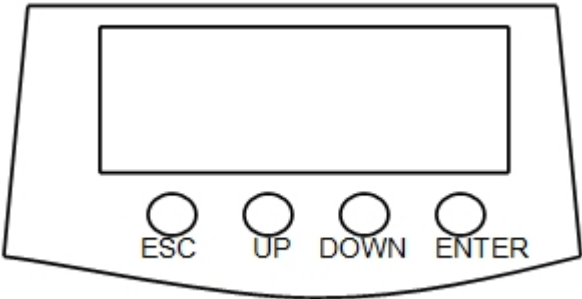
Size: 201.4X196X317.4MM

Section 2. Set Up

✧　Installation

✧　Controlling Board

✧　Machine Connection

Installation

　This machine should be mounted through the screw holes of truss. Safety wire is a must to fix fixture well. Make sure truss and safety wire have strong load capacity to bear 3 times weight than fixture at least. This machine should be installed by qualified technician.
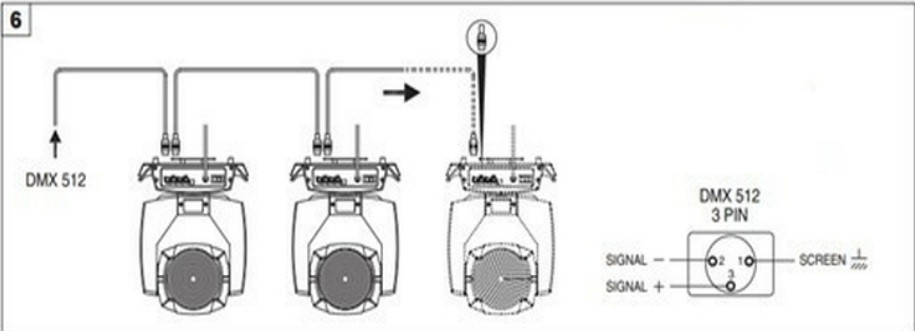
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Controlling Board

1. Display

LCD Display menu and selected function.

Button

ESC	switch menu function
UP	On function: page up
	On numerical value: increase value
DOWN	On function: page down
	On numerical value: reduce value
ENTER	Settle selected function and value

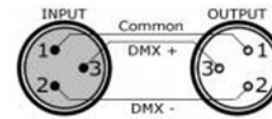## Machine Connection

DMX CHART

CH	Function	Description
CH1	X	0-255 0-540°
CH2	Y	0-255 0-220°
CH3	X 16bit	0-255
CH4	Y 16bit	0-255
CH5	XY speed	0-255 from fast to slow
CH6	dimmer	0-255 from dark to bright
CH7	strobe	0-255 strobe from slow to fast
CH8	color	0-19 white，20-39 pink，40-59 green，60-79 blue, 80-99 yellow, 100-119 purple, 120-139 blue, 140-159 orange, 160-207 rainbow effect with clockwise run, 208-255 rainbow effect with anti-clockwise run
CH9	gobo	0-9 beam，10-19 gobo 1，20-29 gobo 2，30-39 gobo 3，40-49 gobo 4，50-59 gobo 5, 60-69 gobo 6，70-79 gobo 7，80-89 gobo 8，90-99 gobo 9；100-109 gobo 9 shaking, 110-119gobo 8 shaking，120-129 gobo 7 shaking, 130-139gobo 6 shaking，140-149 gobo 5 shaking, 150-159 gobo 4shaking，160-169 gobo 3 shaking，170-179 gobo 2 shaking，180-189 gobo 1 shaking；190-222 gobo wheel in flowage run with clockwise direction from slow to fast, 223-255 gobo wheel in flowage run with anti-clockwise direction from slow to fast
CH10	Auto/Sound	1-128 Auto, 129-255 Sound
CH11	reset	0-254 no work，255 reset (wait for 3 seconds)

	Option **Gobo:xxx**	Gobo wheel reset finer adjust setting: UP/DOWN adjust value 0-255, press enter to save.
MENU4: **Option** (PRESS ENTER)	**Option** **Sound:xxx**	Sound active sensitivity adjust setting: UP/DOWN adjust value 0-255, press ENTER to save. value 0 is minimum sensitivity, 255 is maximum
MENU5: **PassWord** (PRESS ENTER)	**PassWord** **UnLock**	Password unlock: press ENTER, UP/DOWN to choose three-digit-password (default password is 988), press ENTER to unlock password. power on after power off, no need password.
	PassWord **Lock**	Password lock: press ENTER, UP/DOWN to choose three-digit-password (lock password is 988), press ENTER to lock password. power on after power off, need password.
MENU6: **Re- Def-** (PRESS ENTER)	Restore system default: press ENTER then fixture restore factory default and reset.	
MENU7: **Reset** (PRESS ENTER)	Fixture reset: press ENTER then fixture reset.	

Remarks: enter into each menu, please always remember to press ENTER to save settings. Press ESC button is to go back previous menu.

Cable Connectors

Cables must have a male XLR connector on one end and a female XLR connector on the other end.

A word on termination: DMX is a resilient communication protocol, however errors still occasionally occur. Termination reduces signal errors, and therefore best practices include use of a terminator in all circumstances. If you are experiencing problems with erratic fixture behavior, especially over long signal cable runs, a terminator may help improve performance.

To build your own DMX Terminator: Obtain a 120-ohm, 1/4-watt resistor, and wire it between pins 2&3 of the last fixture. They are also readily available from specialty retailers.

Maximum 20 PCS fixtures connected by Daisy chain connection.

Master-Slave control model：
Set up one fixture as Master fixture(triggering),other fixtures as slave fixtures(receiving trigger signals).Set up all fixtures same address value or following DMX controller performance(Attention: all fixtures use the same DMX channel-11)

Section 3. Troubleshooting

	Probable cause(s)	Remedy
No response from fixture when power is applies	No power to fixture	Check power cables
	Primary fuse blown	Replace fuse
	Secondary fuse blown	Replace fuse
Fixture resets but does not respond correctly to controller(DMX mode operation)	Controller not connected	Connect controller
	Incorrect addressing of the fixtures	Check address setting on fixture and controller
	Bad data link connection	Inspect cables and correct poor connections and/or broken cables.
	Conflict between tracking and vector control	Eliminate scene cross-fade on controller
	Data link not terminated	Insert termination plug in output of last fixture
	Defective fixture or 2 devices transmitting on link	Bypass fixtures one at a time until normal operation is regained:unplug both connectors and connect them directly together
Colors cannot be mixed	Random color mixing is on	Turn off random color mixing
Fixture does not reset correctly	Electronic or mechanical failure	Contact service technician
No light, lamp cuts out intermittently,or burns out too quickly	Lamp missing or blown	Disconnect fixture and replace lamp
	Fixture or lamp is too hot	Allow fixture to cool. If problem persists,contact service technician

Section 4. Reference

✧ Control Menu

✧ DMX Protocol

✧ Specification

Control Menu

MENU1: Dmx:11CH (PRESS ENTER)	Dmx:11CH Add:xxx	DMX512: Press UP/DOWN to set up 1-512 add value, always remember press ENTER to save your settings.
MENU2: Test (PRESS ENTER)	Test Auto	AUTO: Press ENTER to active auto running and to save the settings.
	Test Sound	SOUND: Press ENTER to active auto running and to save the settings.
MENU3: Manual (PRESS ENTER)	Manual CH01：xxx … Manual CH11:xxx	Manual: UP/ DOWN adjust value 0-255, press ENTER to save. (CH01-CH11 stands for 11 channels, SAME function as DMX console.)
MENU4: Option (PRESS ENTER)	Option Pan:Yes	X/Pan clockwise and anti-clockwise setting: UP/DOWN to choose Yes/No, press ENTER to choose and save. Choose Yes than X anti-clockwise running.
	Option Tilt:Yes	Y/Tilt clockwise and anti-clockwise setting: UP/DOWN to choose Yes/No, press ENTER to choose and save. Choose Yes than Y anti-clockwise running.
	Option YSet:xxx	Y/Tilt reset fine setting: UP/DOWN to adjust 0-255, press ENTER to save.
	Option Color:xxx	Color wheel reset finer adjust setting: UP/DOWN adjust value 0-255, press enter to save.