

Spot Light User Manual



Warnings

Please check the package whether any damage is caused by transportation after you got the lights. If there is any damage, please do not use this fixture, and contact the dealer or manufacturer as soon as possible.

1. This product is only suitable for professional use, and does not apply to security for other purposes.
2. Be cautious to prevent the impact that is caused by the device. The use of this product should pay attention to: fire, heat, electric shock, ultraviolet radiation, the lamp to explode or Shedding caused serious or fatal injury.
3. Need to read the instructions before use energized or installing. Follow through the operation of security methods and pay attention to the warning signs on the specification and equipment.
4. This product is only suitable for indoor use, protection class IP20.
5. Lamps should be kept dry to avoid Moisture, overheating or dusty environment. Shall stop working once the using environment exceed 40°C.
6. Prevent lamps come into contact with water or any other liquid.
7. Please replace the protection screen, optical lens, UV screen if any visible damage, i.e. function no use, crack or gash caused.
8. Make sure the facilities and hooks can withstand at least 10 times the weight of the fixtures when hanging the devices.
9. Please make sure the hardware strong enough and do not have any damage, or use safety rope to increase the safety of the fixtures.
10. Please reduce the height of the hanger rod to a safe position when installing or dismantling the fixtures.
11. Avoid eye exposure to the lighted LED lamp. Do not use the fixture without lens or protection cover.
12. Please replace the relevant component if any damage caused.
13. Please make sure the voltage used comply with the voltage for the fixture, moreover to have overload and leakage protection. Every fixture shall earth correctly accordingly to the relevant and professional standard when installing the fixtures.

Maintenance and Clean

Maintenance

1. Please replace in time if the skintle of inner power wires is getting yellow
2. Please do maintenance every 2 months and check all screws, connection terminals without any looseness. The lack of maintenance might cause the light problem.

Clean

Two sides of lens and reflector must be cleaned frequently which will make the effect of light is better. Clean times depend on the using environment. Wet, smoky and dirty environment will make the lens accumulating dirt.

1. Using soft linen or specified glass clean lotion
2. Dry the parts carefully
3. Please wipe exterior of lens one time every at least 20 days and the inner 30days

Declare

The product is with good performance and complete package when it is delivered. The end-user of this product should follow all the above instructions and warnings. Any damage caused by misuse, malfunction and problem caused by ignoring the instructions are not included in the repair guarantees of the manufacturer or dealers.

Fault checking and repair)

No.	Fault description	Fault Checking
1	Not work,no light output and the fan doesn't work	1.Check power connection and see if the fuse is OK 2.Check if voltage value is in the normal range 3.Check power switch and dispaly screen on or off
2	DMX no control	1.DMX signal light must be on, if not, to check the connection 2. If DMX signal light is on, but no reaction to the channel, to check if the address code setting is correct? 3.If DMX signal is discontinuous, please check if CANNON cable connect well? 4.Please Change to another DMX controller 5.Please Check if DMX signal cable is too close the high-tension busbar which will damage or interrupt the signal output
3	One of channel blocked	1.Be sure no DMX signal received 2.Driving circuit of motor might be damaged
4	Light sources work discontinuously	1.Please check if input voltage is too high or too low? 2.The inner temperature is probably too high, change a new fan if necessary
5	Can't be controlled by Sound	1.Be sure no DMX signal received 2.Please Check sound control is on and sensitivity is on the right range 3.Please Check if mic is damaged 4.Please Check if the light is on "HOLD" situation.
6	Horizontal synchronous belt damaged	1.Power off 2.Unscrewing screws of outer case and open the base case 3.Unscrewing screws which are connect base case to nose-arm parts 4.Loose all of the connecting cables 5.Please change new synchronous belt and installed it on the gear shaft and the motor driving wheel (Attention: the belt can't be too tight in case broken) 6.Please Connect all cables 7.Tighten all the screws
7	Vertical synchronous belt damaged	1. Switch off power 2.Unscrew screws of outer shell of arm parts and take off the outer case 3.Loose the screws of y-axis' motor driven board 4.Please Change to new synchronous belt (Attention: the belt can't be too tight in case broken) 5.Tighten all the screws

Inspection

In order to use the product securely and properly, please read the manual before using and follow the instructions strictly to prevent personal safety trouble and product damage caused by misuse. Take care of the product, check the possibility of the product damage caused by transportation and check all the listed items are present upon receipt of the product:

LED Spot Light	1	Use Manual	1
Power cable	1	Handle	2

Installation

1. Make sure there is no flammable or explosive subjects within min 1.5 meter nearby the installation, the distance between wall and the light shall be min 0.5M
- 2.Before installation, please check and make sure the power supply voltage meet request of the system.
3. Please check ventilation and fans or exhaust passages are cleared.
4. The equipment should be fixed firmly.
5. For security reasons, the appliance must be earthed.

Part description





Button description



- [MODE/ESC] Menu selection button
- [UP] Switch upward submenu/add value
- [DOWN] Switch downward submenu/reduce value
- [ENTER] Confirming button. Preserve all set values and select functions by it, and the current interface stays

11 Channel

Channel	Function	Description
1	Horizontal rotation	0-255
2	Horizontal trimming	0-255
3	Vertical operation	0-255
4	Vertical trimming	0-255
5	Color	
	0-139	Color selection
	140-255	Automatic color switch, speed increasing
6	Gobo	
	0-63	Fixed gobos
	64-127	Gobo shaking
	128-255	Automatic gobo switch, speed increasing
7	Strobe	0-255
8	Dimming	0-255
9	Rotation speed	0-255
10	Auto-play mode	
	0-59	Other channel functions
	60-84	Auto Mode 3
	85-109	Auto Mode 2
	110-134	Auto Mode 1
	135-159	Auto Mode 0
	160-184	Sound control Mode 3
	185-209	Sound control Mode 2
	210-234	Sound control Mode 1
	235-255	Sound control Mode 0
11	Reposition	250-255 (5S)

14. Description

1. When setting under the hold mode, first thing is to unplug the signal cable and wait for 30 seconds, then turn off the power. The system saves the last 512 signal automatically.
2. Under DMX mode: Pls set to LS1, DMX mode and bLAc: No 512 signal, digital back to zero or HLod: No 512 signal remains the last DMX status got valid operation.
3. Soud mode switch setting only valid by MAST
4. SEnS Sound sensitive setting only vailid by MAST, Master mode and Soun: it works when 512 signal is off.

Parameters

Model	LS10
Power supply	AC100-240V/50-60HZ
Rating power	35W
LED specification	10W white
Lifetime	5000-10000H
Dimming	0-100% linear dimming
Horizontal angel	540°
Vertical angel	200°
Control mode	Auto-play/sound/DMX/master-slave
DMX channel	9/11
Working environment	Indoor 10°C/40°C

Channel Descriptions

9 Channel

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5	Strobe	0-255
6	Dimming	0-255
7	Rotation speed	0-255
8	Auto-play mode	0-255 Up to clockwise rotation,down to reversion
9	Reposition	250-255 (5S)

Menu Description

1.Addr (A001-A512)

This option is for DMX address setting. Press button "MENU" to select Addr, press button "Enter" to start setting, press button "UP" to increase the address NO., press button "DOWN" to decrease, then press button "ENTER" again to preserve your selection, automatic exit in 10S.

2.CHnd

This option is for setting the unit's channel mode. Press button "MENU", select CHnd, press button "Enter" to start setting, press button "UP" and "DOWN" to select channel mode, successively 11CH and 9CH, then press "Enter" again to preserve your selection, automatic exit in 10S.

11CH: 11Channel Mode

9CH : 9Channel Mode

3.SLnd

This option is for setting the unit's master-slave mode. Press "MENU", select SLnd, press button "Enter" to start setting, press button "UP" and button "DOWN" to select master-slave mode, successively "MASR", "SL1", "SL2", then press button "Enter" again to preserve, automatic exit in 10S.

MAST: Master-slave Mode

SL 1: DMX Mode

SL 2: Assistant Mode

4.SHnd

This option is for setting the unit's memory effects. Press button "MENU" to select SHnd, press button "Enter" to start setting, press button "UP" and button "DOWN" to select memory effects, successively "SH0", "SH1", "SH2", "SH3", then press button "Enter" again to preserve your selection, automatic exit in 10S.

LH 0: Effect 0 (recommended)

LH 1: Effect1

LH 2: Effect2

LH 3: Effect3

5.Sound

This option is for "On" and "OFF" setting to sound mode. Press button "MENU", select Sound, press "Enter" to start setting, press button "UP" and "Down" to select "ON" or "OFF", then press button "Enter" to preserve, automatic exit in 10S.

6.SEnS

This option is for adjusting sound sensibility. Press button "MENU", select SEnS, press button "Enter" to start setting, press button "UP" and "Down" to adjust sound sensibility from 0-100, then press button "Enter" again to preserve, automatic exit in 10S.

7.bLnd Operating Mode Setting

This option is used to set the operating mode, press the "MENU" key to select bLnd, press "Enter" key to enter the settings, press "UP" or "DOWN" keys for operating mode selection. Operating mode followed by a "bLAc", "HLod", "Soun", "Auto". Press "Enter" to save after selecting the operating mode. It will be exited automatically around 10 seconds

bLAc: Digital back to 0 when 512 signal off
HLod: Stay last DMX status when 512 signal off
Soun: Sound activated when 512 signal off
Auto; Auto-play when 512 signal off

8.LED Display Backlight Setting

This option is the setting for display panel backlight switches, Choose "MENU" key to select LED, press "Enter" key to enter the settings. Press "UP" or "DOWN" key to make the backlight switch selection, select "NO" indicates that the backlight has been long on, select "OFF" indicates the didn't press the key, five seconds off, and begin again until press key operation. After selecting the mode, press "Enter" to save. It will be exited automatically around 10 seconds.

9.dISP Display Font reverse direction Setting

This option is the reverse direction of the font setting for display panel, press the "MENU" key to select dISP, press "Enter" key to enter the settings, press "UP" or "DOWN" button to select the font

and reverse directions, choose "NO", font display in negative direction, select "Yes" font to display the positive direction. After selecting the mode, press "Enter" to save. It will be exited automatically around 10 seconds.

10. rPAN X-Axles Inverse Setting

This option is set to reverse the X-axis direction, press "MENU" menu key to select rPAN, press "Enter" key to enter the settings. Press "UP" or "DOWN" button to choose the option for direction, Select "Yes" indicates the X-axis in the negative direction, select "NO" shows an X-axis in positive direction. Press "Enter" to save after choose correct direction. It will exit automatically around 10 seconds.

11. rTiL Y-Axles Inverse Setting

This option is set to reverse the Y-axis direction, press "MENU" menu key to select rTiL, press "Enter" key to enter the settings. Press "UP" or "DOWN" button to choose the option for direction. Select "Yes" indicates the Y-axis in the negative direction, select "NO" shows an Y-axis in positive direction. Press "Enter" to save after choose correct direction. It will exit automatically around 10 seconds.

12. REST

Press the "MENU" key to select REST, Press "Enter" key to enter the setup. User selects Yes, press "Enter" key and wait for 1-3 seconds, the lamp will be reset.

13. About Micro Adjustment

When screen shows A001, press "Enter" key for about 10 seconds, the system will pop up a menu, press "MENU" to Micro adjustment mode. The mode followed by "H000-255", "Y000-255", "C000-255", "G000-255" "DEFR". After selecting the operating mode, press "UP" or "DOWN" key to micro adjustment. It will exit automatically around 10 seconds after press the "Enter" for about 10 seconds.

H000-255 X motor data bias
Y000-255 Y motor data bias
G000-255 Pattern motor data bias
DEFR Above data back to Factory setting