
7*4in1 40w zoom beam



User manual

Please read the instructions carefully before use

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Statement

The product has well capability and intact packing when leave factory. All of the user should comply with warning item and manual, any misuse cause of the damages are not included in our guarantee, and also can not be responsible for any malfunction & problem owing to ignore the manual.

1、 Safety Instructions

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.

- Unpack and check carefully there is no transportation damage 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 ground the yellow/green conductor to earth in order 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.

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- ☒ Disconnect main power before replacement or servicing.
 - ☒ Make sure there are no flammable materials close to the unit while operating as it is fire hazard.
 - ☒ Use safety cable when fixes this unit. DO NOT handle the unit by taking its head only, but always by taking its base.
 - ☒ Maximum ambient temperature is $T_a: 40^{\circ}\text{C}$. DO NOT operate it where the temperature is higher than this Unit surface temperature may reach up to 85°C . DO NOT touch the housing bare-hand during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or servicing.
 - ☒ 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 people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
 - ☒ DO NOT touch any wire during operation as high voltage might be causing electric shock.

Warning:

- ☒ To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.
- ☒ DO NOT open the unit within five minutes after switching off.
- ☒ The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.

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 nearest dealer.

Installation:

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people and has no one pass by or under it.

2、 Technical Specifications

Light Sources:

7*40W RGBW (4in1) OSRAM LED

Power Voltage: AC 100-240V, 50/60Hz, 350w Single LED power: 40W

Color: RGBW automatic correction

Electronic dimmer:0 ~ 100% linear

Control

DMX Channel: 8/16/35/40 Channels

Control Modes: DMX512

Software Upgrade: Update via DMX link

Pan/Tilt

Pan/Tilt: 540°/ 225°

Pan/Tilt Resolution: 16 bit

Construction

Display: LCD Display

Data In/Out socket: 3-pin & 5-pin XLR sockets

Power Socket: Powercon in/out

Protection Rating: IP20

Features

- Motorized liner zoom system, zoom range: 5-50°
- Outstanding color macro effect
- Dimmer: 0~100% smooth dimming
- Variable strobe effects
- Circle, Pixel control, excellent color macro effect

Sizes & N.W.



3、How To Control The Unit

The DMX512 is widely used in intelligent lighting control, with a DMX 512 controller. connect several lights together, dmx in and dmx out, 3 pin XLR connectors: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal

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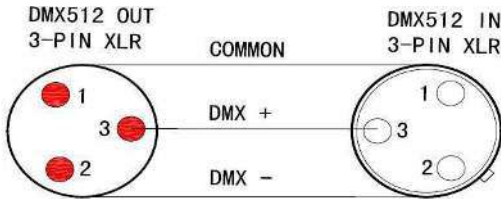
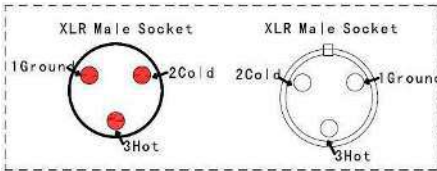


Figure2



XLR Pin Configuration	
pin1=	Ground
pin2=	Data Compliment (negative)
pin3=	Data true (positive)

4、 Display:

1、 Display Chart

Series	Display	
1	DMX	Addr setting 001
2	Manual	PAN
		TILT
		ZOOM
		R-DIM
		G-DIM
		B-DIM
		W-DIM
3	Test	PROG
		PROG-SPEED

		TEST Auto/Audio
4	Option	Dmx Chs
		X-MIRROR
		Y-MIRROR
		LCD inverse
		Back light
5	EN/CHS	English
6	Info	

5. Fixture Cleaning

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

- 1、 Clean with soft cloth using normal glass cleaning fluid.
- 2、 Always dry the parts carefully.
- 3、 Clean the external optics at least every 20 days. Clean the internal
- 4、 optics at least every 30/60 days.

6、 Trouble shooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

- **The unit does not work, no light and the fan does not work**
 - Check the connection of power and main fuse.
 - Measure the mains voltage on the main connector.
 - Check the power on LED.
- **Not responding to DMX controller**
 - DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
 - If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
 - If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.
 - Try to use another DMX controller.
 - Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.
- **One of the channels is not working well**
 - The stepper motor might be damaged or the cable connected to the PCB is broken.
 - The motor's drive IC on the PCB might be out of condition.

7、CHANNEL

8CH Mode

CH	Function	Value
1	Pan	Adjust forward rotation at 0-255 and reverse rotation at downward adjustment.
2	Tilt	Adjust forward rotation at 0-255 and reverse rotation at downward adjustment.
3	Zoom	Adjust the focus from 0-255.
4	Overall dimmer	R、G、B、W Overall dimmer, linear dimmer, from dark to bright
5	Red dimmer	Red dimmer, linear dimmer, from dark to bright
6	Green dimmer	Green dimmer, linear dimmer, from dark to bright
7	Blue dimmer	Blue dimmer, linear dimmer, from dark to bright
8	White dimmer	White dimmer, linear dimmer, from dark to bright

16CH Mode

CH	Function	Value
1	Pan	Adjust forward rotation at 0-255 and reverse rotation at downward adjustment.
2	Pan Fine	Adjust forward rotation at 0-255 and reverse rotation at downward adjustment.
3	Tilt	Adjust forward rotation at 0-255 and reverse rotation at downward adjustment.
4	Tilt Fine	Adjust forward rotation at 0-255 and reverse rotation at downward adjustment.
5	Pan&Tilt Speed	0-255 speed up slower, 0 fastest speed
6	Zoom	Adjust forward rotation at 0-255 and reverse rotation at downward adjustment.

7	Overall dimmer	R、G、B、W Overall dimmer, linear dimmer, from dark to bright
8	Strobe	R、G、B、W strobe, from slow to fast
9	Red dimmer	Red dimmer, linear dimmer, from dark to bright
10	Green dimmer	Green dimmer, linear dimmer, from dark to bright
11	Blue dimmer	Blue dimmer, linear dimmer, from dark to bright
12	White dimmer	White dimmer, linear dimmer, from dark to bright
13	Color selection	0-255 color combination
14	Built-in program	The first 13 channels are enabled (0-21); when the DMX is greater than 20, the corresponding built-in program.
15	Built-in program speed	0-255 speed up slower, 0 fastest speed.
16	Reset	The DMX value is unchanged for 10 seconds to execute the program; (0-244) has no function; (245-255) is reset.

35CH Mode

CH	Function	Value
1	Pan	Adjust forward rotation at 0-255 and reverse rotation at downward adjustment.
2	Pan Fine	Adjust forward rotation at 0-255 and reverse rotation at downward adjustment.
3	Tilt	Adjust forward rotation at 0-255 and reverse rotation at downward adjustment.
4	Tilt Fine	Adjust forward rotation at 0-255 and reverse rotation at downward

		adjustment.
5	Zoom	Adjust forward rotation at 0-255 and reverse rotation at downward adjustment.
6	Pan&Tilt Speed	0-255 speed up slower, 0 fastest speed.
7	Overall dimmer	R、G、B、W Overall dimmer, linear dimmer, from dark to bright
8	1 st Red dimmer	1 st red dimmer, linear dimer, from dark to bright
9	1 st Green dimmer	1 st Green dimmer, linear dimer, from dark to bright
10	1 st Blue dimmer	1 st Blue dimmer, linear dimer, from dark to bright
11	1 st White dimmer	1 st White dimmer, linear dimer, from dark to bright
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32	7 th Red dimmer	7 th Red dimmer, linear dimer, from dark to bright
33	7 th Green dimmer	7 th Green dimmer, linear dimer, from dark to bright
34	7 th Blue dimmer	7 th Blue dimmer, linear dimer, from dark to bright
35	7 th White dimmer	7 th White dimmer, linear dimer, from dark to bright

40CH Mode

CH	Function	Value
1	Pan	Adjust forward rotation at 0-255 and reverse rotation at downward adjustment.
2	Pan Fine	Adjust forward rotation at 0-255 and reverse rotation at downward adjustment.
3	Tilt	Adjust forward rotation at 0-255 and reverse rotation at downward

		adjustment.
4	Tilt Fine	Adjust forward rotation at 0-255 and reverse rotation at downward adjustment.
5	Zoom	Adjust forward rotation at 0-255 and reverse rotation at downward adjustment.
6	Pan&Tilt Speed	0-255 speed up slower, 0 fastest speed.
7	Overall dimmer	R、 G、 B、 W Overall dimmer, linear dimmer, from dark to bright
8	Strobe	R、 G、 B、 W strobe, from slow to fast
9	1 st Red dimmer	1 st red dimmer, linear dimer, from dark to bright
10	1 st Green dimmer	1 st Green dimmer, linear dimer, from dark to bright
11	1 st Blue dimmer	1 st Blue dimmer, linear dimer, from dark to bright
12	1 st White dimmer	1 st White dimmer, linear dimer, from dark to bright
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33	7 th Red dimmer	7 th Red dimmer, linear dimer, from dark to bright
34	7 th Green dimmer	7 th Green dimmer, linear dimer, from dark to bright
35	7 th Blue dimmer	7 th Blue dimmer, linear dimer, from dark to bright
36	7 th White dimmer	7 th White dimmer, linear dimer, from dark to bright
37	Color selection	0-255 color combination
38	Built-in program	The first 13 channels are enabled (0-21); when the DMX is greater than 20, the corresponding built-in program.
39	Built-in program speed	0-255 speed up slower, 0 fastest speed.

40	Reset	The DMX value is unchanged for 10 seconds to execute the program; (0-244) has no function; (245-255) is reset.
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After power-on, the console power is turned on. When the DMX512 console signal is not received, the Dmx indicator is off; when the DMX512 console signal is received, the Dmx indicator is on, and the controlled station signal is controlled.

In the address code 001 state, after multi-machine connection, if there is no console, the master-slave connection function can be realized, one of the devices is operated, and the rest of the devices in the address 001 state follow the host synchronization running program, when the master-slave is online Must turn off the DMX512 signal。