Led Zoom Wash Moving Head Light

User Manual

Please read over this manual before operation the light

Thanks for using our products. To ensure your safety, reliable & long-time using, it is strongly recommended that read this manual instruction before your using.

Safety Introduction

- This fixture should have good ground connection since it belongs to I Grade protective equipment, professional operator is required for power connection.
- Be sure the voltage is not higher or lower than the manual instructions' rating.
- Be sure the power line is in good condition, no damage.
- It must be power-off while does not use the lamp or before cleaning it.
- Only permitted plug connects with the power line, please take care of the power line while pull out the plug.

Attention

- Taking care of the operation while installing, avoiding to touch the exposed power line, otherwise, it will result terrible electric shock.
- Do not looks straight ahead of the lamp, or your eyes will get injured.
- The lamp should far away from children and non-professional operation.

Operation Stipulation

- The lamp can only use indoor and it must under the consistent power condition.
- Please pay attention to the installation, and do not swing the lamp while using it .

Please be sure the lamp is under right place (no too hot or damp), before

		127-139	Color10
		140-152	Color11
		127-139	Color10
		140-152	Color11
		153-165	Color12
		166-178	Color13
		179-234	Overall color flow display (slow-->fast)
		235-255	No function
10	LEDR dimming	0-255	Area (1, 2, 3, 4) red dimming from dark to bright
11	LEDG dimming	0-255	Area (1, 2, 3, 4) green dimming from dark to bright
12	LEDB dimming	0-255	Area (1, 2, 3, 4) blue dimming from dark to bright
13	LEDW dimming	0-255	Area (1, 2, 3, 4) white dimming from dark to bright
14	CTO	0-255	3200K-6300K

14 Channel	Function	Value	Description
1	Strobe	0-19	No function
		20-229	Synchronous strobe speed from slow to fast (1HZ~25HZ)
		230-244	Random strobe
		245-255	No function
2	Total dimming	0-255	Linear dimming from dark to light
3	Zoom	0-255	Wide-narrow
4	X axis	0-255	0~540 degree
5	X-axis fine	0-255	16bit adjustable
6	Y axis	0-255	0~270 degree
7	Y-axis fine	0-255	16bit adjustable
8	Reset	0-9	No function
		10-14	Light reset will be valid for 3 seconds
		15-255	No function
9	Color Display	0-9	No function
		10-22	Color1
		23-35	Color2
		36-48	Color3
		49-61	Color4
		62-74	Color5
		75-87	Color6
		88-100	Color7
		101-113	Color8
		114-126	Color9

Technical Parameter

Voltage：AC90-240V 50Hz/60Hz

Maximum Power：350W

Light Source: 19pcs 15w 4in1 high-brightness led

DMX Channels: 25/14/32 CH

Operation Modes: DMX/512/ master-slave/auto/sound

Pan：540+fine

Tilt：270+fine

Strobe: 1-25 times/sec or random

Display: LCD display

N.W: 11KG

Dimension: 46*27*40cm (carton boxes 1in1)

1. DMX Settings

This option is used to set the DMX address and channel mode. Press "Enter" to enter the setting, the address number would increase when press "UP" button, otherwise press "DOWN" button to decrease the address number. After selecting the address press "Enter" to save and exit. There are 25 channel、14channel and 32 channel mode for selection on the channel side.

2. Running Mode Setting

This option is used to set the working mode of the light. Press "Enter" to enter the setting and press "UP" or "DOWN" button to select the working mode. There are "DMX512", "Slow" , "Fast" , "Sound" and "manual" working mode. Select the working mode and press "Enter" to save and exit.

DMX512: Working with console

Slow: Slow auto mode

Fast: Fast auto mode

Sound: Sound auto mode

Manual:Manual, scene setting, with on-line function

3. Invert PAN/TILT

This option is used to setting the reverse direction of the X/Y axis. Press "Enter" to enter the setting, press "UP" or "DOWN" to choose whether to reverse the X/Y axis. Select "Yes"indicate reverse the X /Y axis. Select "NO" to indicate that the X/Y axis is not to reversed. After selecting the direction, press "Enter" to save and exit.

4. Display Setting

This option is to reverse the LCD font of the display panel, language display and backlight. Press "Enter" to enter settings, press "UP" or "DOWN"button of the LCD backlight to select the switch. Select "Yes " indicating that the LCD backlight is always on and won,t turn off. Select "NO" means that LCD backlight will be turned off if there is no key operation for 20 seconds. And it will be restart when there is a key operation. After selecting the settings, press "Enter" to save and exit.

Invert Word: Font reverse

English/Chinese: Language conversion

LCD Backlight On: LCD backlight turn on setting

5. Manual Mode Settings

This option is to set the scene parameters of the light. Press "Enter" to enter the save and its able to running under the online mode, while this operation will be only valid when the light work mode (Run Mode) be set as manual mode, After the power is turned off, the light can restore to the previous state when turn on again.

PAN: X-axis position
TILT: Y-axis position

		75-87	Color6
		88-100	Color7
		101-113	Color8
		114-126	Color9
		127-139	Color10
		140-152	Color11
		153-165	Color12
		166-178	Color13
		179-234	Overall color flow display (slow-->fast)
		235-255	No function
23	Auxiliary light dimming red	0-255	Zone5 red dimming from dark to bright (Auxiliary light)

24	Auxiliary light dimming green	0-255	Zone5 green dimming from dark to bright (Auxiliary light)
25	Auxiliary light dimming blue	0-255	Zone5 blue dimming from dark to bright (Auxiliary light)

10	LEDR dimming	0-255	Area (1, 2, 3, 4) red dimming from dark to bright
11	LEDG dimming	0-255	Area (1, 2, 3, 4) green dimming from dark to bright
12	LEDB dimming	0-255	Area (1, 2, 3, 4) blue dimming from dark to bright
13	LEDW dimming	0-255	Area (1, 2, 3, 4) white dimming from dark to bright
14	CTO	0-255	3200K-6300K
15	Reserved channel	Reserved channel	Reserved channel
16	Reserved channel		
17	Reserved channel		

XY_SPEED: XY speed
ZOOM: focusing
DIM : total dimming
STROBE: strobe
DIM_R : red dimming
DIM_G : green dimming
DIM_B : blue dimming
DIM_W: white dimming
DIMA_R: auxiliary light red dimming
DIMA_G: auxiliary light green dimming
DIMA_B: auxiliary light blue dimming

18	Reserved channel		
19	Reserved channel		
20	Auxiliary light strobe	0-19	No function
		20-229	Synchronous strobe speed from slow to fast (1HZ~25HZ)
		230-244	Random strobe
		245-255	No function
21	Auxiliary light dimming	0-255	Linear dimming from dark to light
22	Auxiliary light color display	0-9	No function
		10-22	Color1
		23-35	Color2
		36-48	Color3
		49-61	Color4
		62-74	Color5

6. Sound-control Sensitivity Adjustment

This option is to set the switch of light,s sound-control sensitivity. Press "Enter" to enter the setting, press "UP" or "DOWN" to select sensitivity from 0°-100° degree. After selecting the sensitivity degree, press "Enter" to save and exit.

7.system parameter settings

System Information:
The version: V1 software version number
Default Settings: Restore factory settings
Code Settings: Password Channel
When the password channel is used, the user needs to input the password to view and set the XY fine adjustment and lamp beads white balance parameters.
When the number of passwords is four. Press "UP" or "DOWN" to enter. The factory password is "DOWN DOWN UP UP".
PAN_INIT: X-axis fine-tuning
TILT_INIT: Y-axis fine-tuning
ZOOM_INIT: Focus adjustment

SET_R: red current

SET_G: Green current

SET_B: blue current

SET_W: white current

SET_RFG: Auxiliary light red current

SET_GFG: auxiliary light green current

SET_BFG: Auxiliary light blue current

8. Reset (light body reset)

After the user select reset, wait for 3 seconds and the lamp body will be reset.

9. DMX512 Table

32 Channel	Function	Value	Description
1	X axis	0-255	0~540 degree
2	X-axis fine	0-255	fine adjustment
3	Y axis	0-255	0~270 degree
4	Y-axis fine	0-255	fine adjustment
5	XY speed	0-255	Speed from fast to slow
6	Zoom	0-255	Wide to narrow
7	Total dimming	0-255	Linear dimming from dark to light
8	Strobe	0-55	No function
		56-155	Synchronized strobe speed from slow to fast (1HZ~25HZ)
		156-205	Random strobe
		206-255	Thunder strobe

9	Color Display	0-9	No function
		10-22	Color1
		23-35	Color2
		36-48	Color3
		49-61	Color4
		62-74	Color5
		75-87	Color6
		88-100	Color7
		101-113	Color8
		114-126	Color9
		127-139	Color10
		140-152	Color11
		153-165	Color12
		166-178	Color13
		179-234	Overall color flow display (slow-->fast)
		235-255	No function

31	Total function control of stage light	0-49	Channel 1 to channel 27 are valid
		50-74	CTO function, will be used with 28 channels
		75-99	Static color display (built-in effect) for use with 7, 28, 30 channels
		100-149	Dynamic effect display (built-in effect) for use with 7, 29, 30 channels
		150-199	Auto
		200-255	Sound-control
32	Reset	0-250	No function
		251-255	The lamp reset, will be last for 3s

25Channel	Function	Value	Description
1	Strobe	0-19	No function
		20-229	Synchronous strobe speed from slow to fast (1HZ~25HZ)
		230-244	Random strobe
		245-255	No function
2	Total dimming	0-255	Linear dimming from dark to light
3	Zoom	0-255	Wide to narrow
4	X axis	0-255	0~540 degree
5	X-axis fine	0-255	16bit adjustable
6	Y axis	0-255	0~270 degree
7	Y-axis fine	0-255	16bit adjustable
8	Reset	0-9	No function
		10-14	Light reset will be valid for 3 seconds
		15-255	No function

9	R1 dimming	0-255	Zone 1 red dimming from dark to bright
10	G1 dimming	0-255	Zone 1 green dimming from dark to bright
11	B1 dimming	0-255	Zone 1 blue dimming from dark to bright
12	W1 dimming	0-255	Zone 1 white dimming from dark to bright
13	R2 dimming	0-255	Zone 2 red dimming from dark to bright
14	G2 dimming	0-255	Zone 2 green dimming from dark to bright
15	B2 dimming	0-255	Zone 2 blue dimming from dark to bright
16	W2 dimming	0-255	Zone 2 white dimming from dark to bright
17	R3 dimming	0-255	Zone3 red dimming from dark to bright
18	G3 dimming	0-255	Zone 3 green dimming from dark to bright
19	B3 dimming	0-255	Zone 3blue dimming from dark to bright
20	W3 dimming	0-255	Zone 3 white dimming from dark to bright
21	R4 dimming	0-255	Zone 4 red dimming from dark to bright
22	G4 dimming	0-255	Zone 4 green dimming from dark to bright
23	B4 dimming	0-255	Zone 4 blue dimming from dark to bright
24	W4 dimming	0-255	Zone 4 white dimming from dark to bright
25	R5 dimming (Auxiliary light)	0-255	Zone 5 red dimming from dark to bright (Auxiliary light)
26	G5 dimming (Auxiliary light)	0-255	Zone 5 green dimming from dark to bright (Auxiliary light)
27	B5 dimming (Auxiliary light)	0-255	Zone 5 blue dimming from dark to bright (Auxiliary light)
28	CTO	0-255	3200K-6300K
	Color display	0-7	Color 1
		8-15	Color 2
		16-23	Color 3

		24-31	Color 4
		32-39	Color 5
		40-47	Color 6
		48-55	Color 7
		56-63	Color 8
		64-71	Color 9
		72-79	Color 10
		80-87	Color 11
		88-95	Color 12
		96-103	Color 13
		104-111	Color 14
		112-119	Color 15
		120-127	Color 16
		128-135	Color 17
		136-143	Color 18
		144-151	Color 19
		152-159	Color 20
		160-167	Color 21
		168-175	Color 22
		176-183	Color 23
		184-191	Color 24
		192-199	Color 25
		200-207	Color 26
		208-215	Color 27
		216-223	Color 28
		224-231	Color 29
		232-239	Color 30
		240-255	Overall color flow display

29	Dynamic effect display	0-9	Effect 1
		10-19	Effect 2
		20-29	Effect 3
		30-39	Effect 4
		40-49	Effect 5
		50-59	Effect 6
		60-69	Effect 7
		70-79	Effect 8
		80-89	Effect 9
		90-99	Effect 10
		100-109	Effect 11
		110-119	Effect 12
		120-129	Effect 13
		130-139	Effect 14
		140-149	Effect 15
		150-159	Effect 16, colors are controlled by 9, 10, 11, 12 channels
		160-169	Effect 17, colors are controlled by 9, 10, 11, 12 channels
		170-179	Effect 18, colors are controlled by 9, 10, 11, 12 channels
		180-189	Effect 19, colors are controlled by 9, 10, 11, 12 channels
		190-199	Effect 20, colors are controlled by 9, 10, 11, 12 channels
		200-255	Overall effect flow display
30	Light effect speed	0-255	From fast to slow