



LM Wash 1915



USER MANUAL

KEEP THIS USER MANUAL FOR FUTURE NEEDS

Thank you for using the products produced by our company. For your safe and effective use of this product, please read this instruction manual carefully and completely before you use this product. This instruction manual includes, the performance of the product and how to use it safely. Please keep it properly for reference when using it. Please strictly abide by the relevant instructions during installation and use.

■ Technical parameter:

Rated voltage: AC100V ~ 240V 50/60Hz

Input power: 300W

Light source specifications: 19 15W 4 in 1 LED

Approved life: 50000 hours

Color: red, green, blue and white multi-color

Focusing: 8 ° - 60 ° DMX linear focus, with automatic focus function

Color temperature control: built-in CTO DMX linear dimming

Electronic strobe, 0.3 ~ 25 times / second, can choose synchronous, asynchronous random strobe

Dimming: electronic dimming 0 ~ 100% linear adjustment, with a gamma curve dimming frequency 1.2K ~ 25K adjustable, with macro command dimming linear stable and smooth without flicker, using a stable constant current driver and power supply, suitable for video shooting

Rotation angle: XY axis using high-speed silent motor drive, with high-precision imported Hall positioning device, so that the operation of more accurate positioning, when the misstep can automatically return to the horizontal, vertical speed adjustable; XY axis rotation function and take the reverse function

Horizontal direction 540 ° (16 bit precision scanning), vertical direction 270 ° (16 bit precision scanning)

Control mode: 16 (streamlined) 24 (standard) 2 channel control mode, standard DMX512 protocol, RDM protocol

Control interface: DMX512 interface (3-core / optional 5-core), power cord hand-held socket

Hibernation function: the use of advanced technology to achieve remote hibernation function, when the lamps and lanterns disconnect the signal automatically into the hibernation state, so that the lamps and lanterns more stable and safer

Display function: 1.77 inch LCD display, bilingual menu, sensor fault display, temperature display

Heat dissipation system: using high conductivity light aluminum heat sink, fan intelligent monitoring technology according to the temperature of the lamps and lanterns automatically adjust the fan rotation, built-in

overheating protection intelligent system / intelligent temperature and noise balance module

Protection grade: IP20, optional rain cover protection grade up to IP44

Lamp packaging: waterproof and shockproof air box or carton

Net weight: 7KG Gross weight: 8KG Product size: 29*21*37CM Package size: 47*38*29.5CM (a load of one)

Effect mode: (focus / beam)

Light bead circle control effect: strobe, running horse effect, with built-in program

Features

1. screen automatic rotation function, the system can be based on the direction of gravity, automatically rotate the screen, no need to manually rotate! You can also turn off the automatic rotation function
2. One motherboard design, solve the problem of smoke oil, colored paper, etc., can be individually segment control control light beads, strobe effect, built-in and other rich effects, the product built-in RDM remote console dial code upgrade function

1. DMX Settings (DMX address and channel settings).

This option is used to set the DMX communication address and channel mode, press the "Enter" key to enter the settings, the address press the "UP" key to increment the address number, the opposite "DOWN" key can be reduced by the address number, select the address and press "Enter." "Save exit, channel side with 25 channels and 14 channels mode options.

2. Run Mode (working mode setting).

This option is used to set the lamp body working mode, press the "Enter" key to enter the settings, press the "UP" key or "DOWN" key to select the working mode, the working mode is "DMX512", "Slow", "Slow", "Slow", "SLOW", "UP" Fast, Sound and manual, select the working mode and press "Enter" to save and exit.

DMX512: Console operation mode.
 Slow: Slow self-propelled mode
 Fast: Fast walk-by mode
 Sound voice-activated self-propelled mode
 manual: Manual mode, scene setting, can be online

3. Invert PAN/TILT (PAN TILT reverse setting).

This option is to reverse the direction of the X/Y axis, press the "Enter" key to enter the setting, press the "UP" key or the "DOWN" key to select whether the X/Y axis is reversed, select "Yes." "Indicates that the X/Y axis is reversed, and selecting "NO" indicates that the X/Y axis is not reversed After selecting the direction, press "Enter" to save and exit.

4. Display Setting

This option is to set the display board LCD font reverse, Chinese and English display and backlight, press the "Enter" key to enter the settings, the LCD backlight press the "UP" key or "DOWN" key to switch the selection, select "Yes" means that the LCD backlight has been on , do not turn off, select "NO" means that there is no key operation for 20 consecutive seconds after turning off, until there is a key operation to turn it back on. After selecting the settings, press "Enter" to save and exit.

Invert Word fonts are reversed
 English/Chinese: Chinese-English conversion
 LCD Backlight on LCD backlight on settings

5. Manual Setting

This option is to set the lamp body scene parameters, press the "Enter" key to enter the save, can be run online, the premise of the lamp body working mode (Run Mode) to be set to manual, that is, manual mode is effective, after the power off, the next boot can restore the previous boot state.

PAN X-axis position
 TILT Y axis positioning
 XY_SPEED XY speed

ZOOM	focus
DIM	total dimming
STROBE	Strobe
DIM_R	Red dimming
DIM_G	Green dimming
DIM_B	Blue dimming
DIM_W	White dimming
DIMA_R	red dimming
DIMA_G	light filler green dimming
DIMA_B	spotlight blue dimming

6. Sound Sence

This option is to set the sound control sensitivity of the lamp body, press the "Enter" key to enter the setting, press the "UP" key or "DOWN" key to select the 0~ 100 degree sensitivity, select the sensitivity, and then press "Enter." "Save exits.

7. System Settings

System Information:

The version: V1 software version number

Default Settings: Factory reset

Code Settings: Password channel

When passing through, the user needs to transfer the password to view and set the XY trimming and bead white balance parameters

The number of passwords is 4, press the "UP" key or the "DOWN" key to enter, the factory password is "DOWN DOWN UP UP." "

PAN_INIT:	pan fine-tuning
TILT_INIT:	tilt fine-tuning
ZOOM_INIT:	zoom fine-tuning

SET_R:	Red current
SET_G:	Green current
SET_B:	Blue current
SET_W:	White current
SET_R FG:	Aura red current
SET_G FG:	Aura green current
SET_B FG:	Aura blue current

8. Reset

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

25 channel	function	DMX value	description
1	Strobe	0 - 19	Turn off the strobe
		20 - 24	Turn on the lights
		25 - 64	Strobe 1: Synchronous strobe (fast → slow).
		65 - 69	Turn on the lights
		70 - 84	Strobe 2: On light pulse (fast→ slow).
		85 - 89	Turn on the lights
		90 - 104	Strobe 3: Turn off the light pulse (fast → slow).
		105 - 109	Turn on the lights
		110 - 124	Strobe 4: Random strobe (fast→ slow).
		125 - 129	Turn on the lights
		130 - 144	Strobe 5: Random on light pulse (fast → slow).
		145 - 149	Turn on the lights
		150 - 164	Strobe light 6: Pulses with the mechanism (fast→ slow).
		165 - 169	Turn on the lights
		170 - 184	Stroboscopic 7: Burst pulse (fast→ slow).
		185 - 189	Turn on the lights
		190 - 204	Strobe 8: Random burst (fast→ slow).
		205 - 209	Turn on the lights
		210 - 224	Stroboscopic 9: Sine wave strobe (fast→ slow).
		225 - 229	Turn on the lights
230 - 244	Stroboscopic 10: Burst flash (fast → slow).		
245 - 255	Turn on the lights		
2	Total dimming	0-255	Linear dimming from dark to light
3	zoom	0-255	The spot changes from large to small
4	PAN	0-255	0 ~ 540 degrees
5	PAN fine	0-255	16bit adjustable
6	TILT	0-255	0 ~ 270 degrees
7	TILT fine	0-255	16bit adjustable
8	reset	0~9	Turn on the light
		10~14	Lamp body reset, 3s effective.

		15~255	Turn on the light
9	Color display	0~9	Turn on the light
		10 - 14	Color 1
		15 - 19	Color 2
		20 - 24	Color 3
		25 - 29	Color 4
		30 - 34	Color 5
		35 - 39	Color 6
		40 - 44	Color 7
		45 - 49	Color 8
		50 - 54	Color 9
		55 - 59	Color 10
		60 - 64	Color 11
		65 - 69	Color 12
		70 - 74	Color 13
		75 - 79	Color 14
		80 - 84	Color 15
		85 - 89	Color 16
		90 - 94	Color 17
		95 - 99	Color 18
		100 - 104	Color 19
		105 - 109	Color 20
		110 - 114	Color 21
		115 - 119	Color 22
		120 - 124	Color 23
		125 - 129	Color 24
		130 - 134	Color 25
		135 - 139	Color 26
		140 - 144	Color 27
		145 - 149	Color 28
		150 - 154	Color 29
		155 - 159	Color 30
		160 - 164	Color 31
		165 - 169	Color 32
170 - 174	Color 33		
		175~179	Turn on the light

		180~229	Overall color flowing water display (fast - > slow).
		230~255	Turn on the light
10	LEDR dimming	0-255	Areas (1, 2, 3, 4) are dimmed red from dark to light
11	LEDG dimming	0-255	Areas (1, 2, 3, 4) are dimmed green from dark to light
12	LEDB dimming	0-255	Areas (1, 2, 3, 4) have a blue dimming from dark to light
13	LEDW dimming	0-255	Areas (1, 2, 3, 4) white dimming from dark to light
14	Color temperature CTO	0-19	Turn on the light
		20-255	10000K to 2500K
15	Built-in effect 1 selection	0 - 9	empty
		10 - 12	Dimmer -Sync - Strobe is not synchronized
		13 - 15	Strobe-sync
		16 - 18	Dimmer + strobe - synchronous
		19 - 21	Halo-color-sync
		22 - 24	Aura-All-Sync
		25-99	obligate
		100 - 102	Circle color 1-offset dynamic effect
		103 - 105	Circle color 2-offset dynamic effect
		106 - 108	Circle color 3-offset dynamic effect
		109 - 111	Circle color 4-offset dynamic effect
		112 - 114	Circle color 5-offset dynamic effect
		115 - 117	Circle color 6-offset dynamic effect
		118 - 120	Circle color 7-offset dynamic effect
		121 - 123	Circle color 8-offset dynamic effect
		124 - 126	Circle color 9-offset dynamic effect
		127 - 129	Circle color 10-offset dynamic effect
		130 - 132	Circle color 11-offset dynamic effect
		133 - 135	Circle color 12-offset dynamic effect
		136 - 138	Circle color 13-offset dynamic effect
		139 - 141	Circle color 14-offset dynamic effect
142 - 159	obligate		
160 - 162	Color-Scale-Gradient-Input		
163 - 165	Color-Scale-Gradient-Scale		
166 - 168	Color-Scale-Fade-Zoom		
169 - 255	obligate		
16	Built-in effect 1 speed	0-255	Built-in program effect 1 speed

17	Built-in effects 2 selection	0 - 9	empty
		10 - 12	Dimmer -Sync - Strobe is not synchronized
		13 - 15	Strobe-sync
		16 - 18	Dimmer + strobe - synchronous
		19 - 21	Halo-color-sync
		22 - 24	Aura-All-Sync
		25-99	obligate
		100 - 102	Circle color 1-offset dynamic effect
		103 - 105	Circle color 2-offset dynamic effect
		106 - 108	Circle color 3-offset dynamic effect
		109 - 111	Circle color 4-offset dynamic effect
		112 - 114	Circle color 5-offset dynamic effect
		115 - 117	Circle color 6-offset dynamic effect
		118 - 120	Circle color 7-offset dynamic effect
		121 - 123	Circle color 8-offset dynamic effect
		124 - 126	Circle color 9-offset dynamic effect
		127 - 129	Circle color 10-offset dynamic effect
		130 - 132	Circle color 11-offset dynamic effect
		133 - 135	Circle color 12-offset dynamic effect
		136 - 138	Circle color 13-offset dynamic effect
		139 - 141	Circle color 14-offset dynamic effect
		142 - 159	obligate
		160 - 162	Color-Scale-Gradient-Input
		163 - 165	Color-Scale-Gradient-Scale
166 - 168	Color-Scale-Fade-Zoom		
169 - 255	obligate		
18	Built-in effect 2 speed	0-255	Built-in program effect 2 speed
19	Built-in program switching	0-169	Built-in Program Effects 1 Built-in Program Effects 1 Speed Effective
		170-255	Built-in Effects 2 Built-in Program Effects 2 Speed Effective
20	Auxiliary light strobe	0 - 19	Turn off the strobe
		20 - 24	Turn on the lights
		25 - 64	Strobe 1: Synchronous strobe (fast → slow).
		65 - 69	Turn on the lights
		70 - 84	Strobe 2: On light pulse (fast→ slow).
		85 - 89	Turn on the lights

		90 - 104	Strobe 3: Turn off the light pulse (fast → slow).
		105 - 109	Turn on the lights
		110 - 124	Strobe 4: Random strobe (fast→ slow).
		125 - 129	Turn on the lights
		130 - 144	Strobe 5: Random on light pulse (fast → slow).
		145 - 149	Turn on the lights
		150 - 164	Strobe light 6: Pulses with the mechanism (fast→ slow).
		165 - 169	Turn on the lights
		170 - 184	Stroboscopic 7: Burst pulse (fast→ slow).
		185 - 189	Turn on the lights
		190 - 204	Strobe 8: Random burst (fast→ slow).
		205 - 209	Turn on the lights
		210 - 224	Stroboscopic 9: Sine wave strobe (fast→ slow).
		225 - 229	Turn on the lights
		230 - 244	Stroboscopic 10: Burst flash (fast → slow).
		245 - 255	Turn on the lights
21	Total dimming of the fill light	0-255	Linear dimming from dark to light
22	Color display of the filler light	0~9	Turn on the light
		10 - 14	Color 1
		15 - 19	Color 2
		20 - 24	Color 3
		25 - 29	Color 4
		30 - 34	Color 5
		35 - 39	Color 6
		40 - 44	Color 7
		45 - 49	Color 8
		50 - 54	Color 9
		55 - 59	Color 10
		60 - 64	Color 11
		65 - 69	Color 12
		70 - 74	Color 13
		75 - 79	Color 14
		80 - 84	Color 15
85 - 89	Color 16		

		90 - 94	Color 17
		95 - 99	Color 18
		100 - 104	Color 19
		105 - 109	Color 20
		110 - 114	Color 21
		115 - 119	Color 22
		120 - 124	Color 23
		125 - 129	Color 24
		130 - 134	Color 25
		135 - 139	Color 26
		140 - 144	Color 27
		145 - 149	Color 28
		150 - 154	Color 29
		155 - 159	Color 30
		160 - 164	Color 31
		165 - 169	Color 32
		170 - 174	Color 33
		175~179	Turn on the light
		180~229	Overall color flowing water display (fast - > slow).
		230~255	Turn on the light
23	Aura red	0-255	red dimming from dark to light Fill light
24	Aura green	0-255	green dimming from dark to light Fill light
25	Aura blue	0-255	blue dimming from dark to light Fill light

14 channel	function	DMX value	description
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		20 - 24	Turn on the lights
		25 - 64	Strobe 1: Synchronous strobe (fast → slow).
		65 - 69	Turn on the lights
		70 - 84	Strobe 2: On light pulse (fast→ slow).
		85 - 89	Turn on the lights
		90 - 104	Strobe 3: Turn off the light pulse (fast → slow).
		105 - 109	Turn on the lights

		110 - 124	Strobe 4: Random strobe (fast→ slow).
		125 - 129	Turn on the lights
		130 - 144	Strobe 5: Random on light pulse (fast → slow).
		145 - 149	Turn on the lights
		150 - 164	Strobe light 6: Pulses with the mechanism (fast→ slow).
		165 - 169	Turn on the lights
		170 - 184	Stroboscopic 7: Burst pulse (fast→ slow).
		185 - 189	Turn on the lights
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		225 - 229	Turn on the lights
		230 - 244	Stroboscopic 10: Burst flash (fast → slow).
		245 - 255	Turn on the lights
2	Total dimming	0-255	Linear dimming from dark to light
3	zoom	0-255	The spot changes from large to small
4	PAN	0-255	0 ~ 540 degrees
5	PAN fine	0-255	16bit adjustable
6	TILT	0-255	0 ~ 270 degrees
7	TILT fine	0-255	16bit adjustable
8	reset	0~9	Turn on the light
		10~14	Lamp body reset, 3s effective.
		15~255	Turn on the light
9	Color display	0~9	Turn on the light
		10 - 14	Color 1
		15 - 19	Color 2
		20 - 24	Color 3
		25 - 29	Color 4
		30 - 34	Color 5
		35 - 39	Color 6
		40 - 44	Color 7
		45 - 49	Color 8
		50 - 54	Color 9
		55 - 59	Color 10
		60 - 64	Color 11
65 - 69	Color 12		

		70 - 74	Color 13
		75 - 79	Color 14
		80 - 84	Color 15
		85 - 89	Color 16
		90 - 94	Color 17
		95 - 99	Color 18
		100 - 104	Color 19
		105 - 109	Color 20
		110 - 114	Color 21
		115 - 119	Color 22
		120 - 124	Color 23
		125 - 129	Color 24
		130 - 134	Color 25
		135 - 139	Color 26
		140 - 144	Color 27
		145 - 149	Color 28
		150 - 154	Color 29
		155 - 159	Color 30
		160 - 164	Color 31
		165 - 169	Color 32
		170 - 174	Color 33
		175~179	Turn on the light
		180~229	Overall color flowing water display (fast - > slow).
10	LEDR dimming	0-255	Areas (1, 2, 3, 4) are dimmed red from dark to light
11	LEDG dimming	0-255	Areas (1, 2, 3, 4) are dimmed green from dark to light
12	LEDB dimming	0-255	Areas (1, 2, 3, 4) have a blue dimming from dark to light
13	LEDW dimming	0-255	Areas (1, 2, 3, 4) white dimming from dark to light
14	Color temperature CTO	0-19	Turn on the light
		20-255	10000K to 2500K

Routine maintenance

Cleaning and maintenance

The equipment requires daily cleaning and maintenance, and the service life of the equipment depends largely on the operating environment and daily cleaning and maintenance, and the power supply is cut off before any lid is opened

Optical parts should be lightly rubbed, the coating surface is brittle, easy to scratch, do not use destructive solvents otherwise it will damage the plastic or coated surface. Remove dust from fans and air holes with a soft brush, tissue paper, air cleaner or pressure dryer.

REMARK

The product has perfect performance and integrity packing. All users should be strictly comply with the warning and operating instructions as stated. Or we aren't in charge of any result by misusing.

Any damage resulting by misuse is not within the Company's warranty.

Any fault or problem caused by neglecting the manual is also not in the charge of dealers.

Errors and omissions for every information given in this manual excepted.

All information is subject to change without prior notice.