37x15W BEAM WASH ZOOM MOVING HEAD (IM-MH3715)

USER MANUAL

Please read the instructions carefully before using the product and keep it properly.

Product parameters:

Voltage: AC90-240V 50/60Hz

Power: 600w

Light Source: 37Pcs 15W OSRAM 4 in 1 LEDs

Channel: 24CH/48CH

Control mode: DMX/Master-slave/Auto/Sound activated

Pan movement: 540 degrees

Tilt movement:270 degrees

Strobe: 1-25 times/second or random

Net Weight:

Dimensions:

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 setting, press the "UP" key to increase the address number, otherwise press the "DOWN" key to decrease the address number. After the address is selected Press "Enter" to save and exit. There are 24-channel and 48-channel mode options for channels.

2.Run Mode (Set the working mode of the moving head light)

This option is used to set the working mode of the moving head light. Press the "Enter" key to enter the setting page, press the "UP" key or the "DOWN" key to select the working mode, and the working modes are "DMX512", "Slow", " Fast", "Sound" and "manual", after selecting the working mode, press "Enter" to save and exit.

DMX512: DMX Console operation mode.
Slow: Slow auto run mode
Fast: Fast auto run mode
Sound: Voice-activated auto run mode
Manual: Manual mode, you can online carry out scene setting

3.Invert PAN/TILT(X/Y axis 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, and select "Yes" to indicate X /Y axis is reversed. Select "NO" to indicate that X/Y axis is not reversed. After selecting the direction, press "Enter" to save and exit.

4.Display Set (Display setting)

This option is to set the LCD font inversion, Chinese and English display and backlight on the display panel. Press the "Enter" key to enter the setting. Press the "UP" or "DOWN" key to switch the LCD backlight, select "Yes" "Means that the LCD backlight is always on and will not be turned off. Selecting "NO" means that it will be turned off after 20 seconds without any key operation, and will be turned on again when there is a key operation. After selecting the settings, press "Enter" to save and exit.
Invert Word :   Font
English/Chinese: Chinese to English conversion
LCD Backlight on:LCD Backlight on setting

5.Manual Set(Manual mode setting)

This option is to set the scene parameters of the moving head light, press the "Enter" key to enter the save, and online operation can be carried out, provided that the moving head light's operating mode (Run Mode) must be set to manual, that is, the manual mode is valid. , The next startup can restore the previous startup state.
PAN: X axis position
PANMICO : X-axis fine-tuning
TILT: Y axis position
TILTMICO: Y-axis fine adjustment
ZOOM: focus position
DIM: total dimming
STROBE: strobe
DIM_R: red dimming
DIM_G: green dimming
DIM_B: blue dimming
DIM_W: white dimming

6.Sound Sensitivity (sound control sensitivity adjustment)

This option is to switch the sound control sensitivity of the moving head light. Press the "Enter" key to enter the setting, press the "UP" key or the "DOWN" key to select the sensitivity of 0~100 levels. After the sensitivity is selected, press the " Enter" to save and exit.

7. System Set (system parameter setting)

System Information:
The version: V1 software version number
PAN Reset: X-axis reset status display   Normal (normal) Wrong (error)
TILT Reset: Y-axis reset status display Normal (normal) Wrong (error)

Default Settings: restore factory settings
Code Settings: Password channel

In the password channel, the user needs to enter the password to view and set the XY fine-tuning and lamp white balance parameters

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

PAN_INIT: **X-axis fine adjustment**
TILT_INIT: **Y-axis fine adjustment**
ZOOM_INIT: **Focus fine adjustment**
SET_R: **Red current**
SET_G: **Green current**
SET_B: **Blue   current**
SET_W: **White   current**

8. Reset (reset the lamp body)

After the user chooses to reset, wait for 3 seconds, and the lamp body will reset.

48CH	Function	DMX Value	Description
1	X axis	0-255	0~540 degrees
2	X-axis fine adjustment	0-255	16 bit adjustable
3	Y axis	0-255	0~270 degrees
4	Y-axis fine adjustment	0-255	16 bit adjustable
5	XY speed	0-255	XY axis (horizontal, vertical) speed from fast to slow
6	focusing	0-255	Focus light from near to far
7	Total dimming	0-255	Linear dimming from dark to bright
8	Strobe	0-9	No function
		10-154	Synchronous strobe speed from slow to fast (1HZ~25HZ)
		155-204	Random strobe
		205-255	Lightning strobe
9	LED1R dimming	0-255	Zone 1 red dimming from dark to bright
10	LED1G dimming	0-255	Zone 1 green dimming from dark to bright
11	LED1B dimming	0-255	Zone 1 blue dimming from dark to bright
12	LED1W dimming	0-255	Area 1 white dimming from dark to bright
13	LED2R dimming	0-255	Zone 2 red dimming from dark to bright
14	LED2G dimming	0-255	Zone 2 green dimming from dark to bright

15	LED2B dimming	0-255	Zone 2 blue dimming from dark to bright
16	LED2W dimming	0-255	Area 2 white dimming from dark to bright
●	●	●	●
●	●	●	●
●	●	●	●
29	LED6R dimming	0-255	Area 6 red dimming from dark to bright
30	LED6G dimming	0-255	Zone 6 green dimming from dark to bright
31	LED6B dimming	0-255	Zone 6 blue dimming from dark to bright
32	LED6W dimming	0-255	Area 6 white dimming from dark to bright
33	LED7R dimming	0-255	Area 7 red dimming from dark to bright
34	LED7G dimming	0-255	Zone 7 green dimming from dark to bright
35	LED7B dimming	0-255	Zone 7 blue dimming from dark to bright
36	LED7W dimming	0-255	Area 7 white dimming from dark to bright
37	Priority 5:Color temperature	0-9	No function
		10-255	10000K-2500K
38	Priority 4: Color effect	0-9	No function
		10-19	Built-in color effects 1
		20-29	Built-in color effects 2
		30-39	Built-in color effects 3
		40-49	Built-in color effects 4
		50-59	Built-in color effects 5
		60-69	Built-in color effects 6
		70-79	Built-in color effects 7
		80-89	Built-in color effects 8
		90-99	Built-in color effects 9
		100-109	Built-in color effects 10
		110-119	Built-in color effects 11
		120-129	Built-in color effects 12
		130-139	Built-in color effects 13
		140-149	Built-in color effects 14
		150-159	Built-in color effects 15
		160-169	Built-in color effects 16
		170-179	Built-in color effects 17
		180-189	Built-in color effects 18
		190-199	Built-in color effects 19
		200-209	Built-in color effects 20
		210-224	Color jump effect display (built-in effect)
		225-239	Color pulse effect display (built-in effect)
		240-255	Color gradient effect display (built-in effect)
39	Priority 3: Static pattern effect	0-9	No function
		10-19	Built-in static pattern effect 1
		20-29	Built-in static pattern effect 2
		30-39	Built-in static pattern effect 3

		40-49	Built-in static pattern effect 4
		50-59	Built-in static pattern effect 5
		60-69	Built-in static pattern effect 6
		70-79	Built-in static pattern effect 7
		80-89	Built-in static pattern effect 8
		90-99	Built-in static pattern effect 9
		100-109	Built-in static pattern effect 10
		110-119	Built-in static pattern effect 11
		120-129	Built-in static pattern effect 12
		130-139	Built-in static pattern effect 13
		140-149	Built-in static pattern effect 14
		150-159	Built-in static pattern effect 15
		160-169	Built-in static pattern effect 16
		170-179	Built-in static pattern effect 17
		180-189	Built-in static pattern effect 18
		190-199	Built-in static pattern effect 19
		200-209	Built-in static pattern effect 20
		210-255	Static pattern effect display (built-in effect)
40	Priority 2:dynamic effect	0-9	No function
		10-255	12 values for an effect, 20 effects
41	Backlight color R	0-255	0~255 control (39,40) channel backlight
42	Backlight color G	0-255	0~255 control (39,40) channel backlight
43	Backlight color B	0-255	0~255 control (39,40) channel backlight
44	Backlight color W	0-255	0~255 control (39,40) channel backlight
45	Speed direction adjustment	0-127	Positive direction of dynamic pattern
		128-255	Dynamic pattern reverse direction
46	Effect direction adjustment	0-255	From fast to slow
47	Priority 1: Macro function	0-9	No function
		10-99	Self-propelled 1
		100-199	Self-propelled 2
		200-255	Light body sound control
48	Reset	0-239	No function
		240-250	The lamp body is reset, valid for 3s.
		251-255	No function

24CH	Function	DMX Value	Description
1	X axis	0-255	0~540 degrees
2	X-axis fine adjustment	0-255	16bit adjustable
3	Y axis	0-255	0~270 degrees

4	Y-axis fine adjustment	0-255	16bit adjustable
5	XY speed	0-255	XY axis (horizontal, vertical) speed from fast to slow
6	focusing	0-255	Focus light from near to far
7	Total dimming	0-255	Linear dimming from dark to bright
8	Strobe	0-9	No function
		10-154	Synchronous strobe speed from slow to fast (1HZ~25HZ)
		155-204	Random strobe
		205-255	Lightning strobe
9	Red dimming	0-255	Red dimming from dark to bright
10	Green dimming	0-255	Green dimming from dark to bright
11	Blue dimming	0-255	Blue dimming from dark to bright
12	White dimming	0-255	White dimming from dark to bright
13	Priority 5:Color temperature	0-9	No function
		10-255	10000K-2500K
14	Priority 4: Color effect	0-9	No function
		10-19	Built-in color effects 1
		20-29	Built-in color effects 2
		30-39	Built-in color effects 3
		40-49	Built-in color effects 4
		50-59	Built-in color effects 5
		60-69	Built-in color effects 6
		70-79	Built-in color effects 7
		80-89	Built-in color effects 8
		90-99	Built-in color effects 9
		100-109	Built-in color effects 10
		110-119	Built-in color effects 11
		120-129	Built-in color effects 12
		130-139	Built-in color effects 13
		140-149	Built-in color effects 14
		150-159	Built-in color effects 15
		160-169	Built-in color effects 16
		170-179	Built-in color effects 17
		180-189	Built-in color effects 18
		190-199	Built-in color effects 19
		200-209	Built-in color effects 20
		210-224	Color jump effect display (built-in effect)
		225-239	Color pulse effect display (built-in effect)
		240-255	Color gradient effect display (built-in effect)
15	Priority 3: Static pattern effect	0-9	No function
		10-19	Built-in static pattern effect 1
		20-29	Built-in static pattern effect 2

		30-39	Built-in static pattern effect 3
		40-49	Built-in static pattern effect 4
		50-59	Built-in static pattern effect 5
		60-69	Built-in static pattern effect 6
		70-79	Built-in static pattern effect 7
		80-89	Built-in static pattern effect 8
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		100-109	Built-in static pattern effect 10
		110-119	Built-in static pattern effect 11
		120-129	Built-in static pattern effect 12
		130-139	Built-in static pattern effect 13
		140-149	Built-in static pattern effect 14
		150-159	Built-in static pattern effect 15
		160-169	Built-in static pattern effect 16
		170-179	Built-in static pattern effect 17
		180-189	Built-in static pattern effect 18
		190-199	Built-in static pattern effect 19
		200-209	Built-in static pattern effect 20
		210-255	Static pattern effect display (built-in effect)
16	Priority 2: dynamic effect	0-9	No function
		10-255	12 values for an effect, 20 effects
17	Backlight color R	0-255	0~255 control (15,16) channel backlight
18	Backlight color G	0-255	0~255 control (15,16) channel backlight
19	Backlight color B	0-255	0~255 control (15,16) channel backlight
20	Backlight color W	0-255	0~255 control (15,16) channel backlight
21	Effect direction adjustment	0-127	Positive direction of dynamic pattern
		128-255	Dynamic pattern reverse direction
22	Effect speed	0-255	Dynamic from fast to slow
23	Priority 1: Macro function	0-9	No function
		10-99	Auto 1
		100-199	Auto 2
		200-255	Light body sound control
24	Reset	0-239	No function
		240-250	The lamp body is reset, valid for 3s.
		251-255	No function

Routine maintenance

1.Cleaning and maintenance

The equipment requires daily cleaning and maintenance. The service life of the equipment largely depends on the operating environment and daily cleaning and maintenance. The power must be disconnected before opening any cover.

The optical parts should be rubbed lightly. The coating surface is very fragile and easy to scratch. Do not use destructive solvents, otherwise it will damage the plastic or coating surface. Use a soft brush, tissue paper, air cleaner or pressure blower to remove dust from the fan and air holes.

2.Warning message

WARNING

Please read carefully the instruction, which includes important information about the installation, usage and maintenance.

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.

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 Ta: 40℃ . DO NOT operate it where the temperature is higher than this.

Unit surface temperature may reach up to 85℃ . 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 serving.

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.Please read carefully the instruction, which includes important information about the installation, usage and maintenance.

3. 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 1 0 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.

All information is subject to change without prior notice.

More info please visit: www.imrelax.com

Email:kevin@imrelax.com