

**IMRELAX 10x40W LED
BEAM WASH MOVING BAR LIGHT
User Manual**



IM-EL1040 User Manual
Professional Entertainment Technology

Product Specifications:

Voltage: AC90-240v

Power: 600w

Frequency: 50-60Hz

Lamp beads: 10x40W 4in1 High Brightness LEDs

Channel: 21CH/65CH

Control mode: DMX512/Sound/Auto/Master-slave

Tilt: 270 degrees

Strobe: 1-25/second or random

Display screen: LCD screen

Net weight: 13KG

Size: 112cm*12cm*24cm

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, the "DOWN" key can decrease the address number. After selecting the address Press "Enter" to save and exit. There are 65 channel and 21 channel mode selection for the channel.

2. Run Mode (setting of lamp body working mode)

This option is used to set the working mode of the lamp body. Press the "Enter" key to enter the setting. Press the "UP" key or "DOWN" key to select the working mode. The working modes are "DMX512", "Slow", "Fast" , "Sound" and "manual", select the working mode and press "Enter" to save and exit.

DMX512: console operation mode.

Slow: Slow auto mode

Fast: Fast self-propelled mode

Sound self-propelled mode

manual: Manual mode, can set scenes, can be online

3. Invert TILT (Y axis reverse setting)

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

4. Display Set

This option is to set the display panel LCD font reverse, Chinese and English display and backlight, press "Enter" key to enter the setting, LCD backlight press "UP" key or "DOWN" key to switch selection, select "Yes "Means that the LCD backlight is always on and does not turn off. Selecting "NO" means that it will be turned off after 20 seconds of no key operation until it is turned on again when there is a key operation. After selecting the settings, press "Enter" to save and exit.

Invert Word

English/Chinese: Chinese-English conversion

LCD Backlight on LCD backlight on setting

5. Manual Set (manual mode setting)

This option is to set the parameters of the lamp body scene. Press "Enter" to enter the save and run online. The premise is that the working mode (Run Mode) of the lamp body must be set to manual, which is only effective in manual mode. After power off , The next boot can restore the previous boot state.

TILT Y-axis position

TILTMICO Y-axis fine adjustment

DIM total dimming

STROBE

DIM_R red dimming

DIM_G green dimming

DIM_B blue dimming

DIM_W white dimming

6. Sound Sence (sound control sensitivity adjustment)

This option is to switch 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 0~100 degree sensitivity. After selecting the sensitivity, press " Enter" to save and exit.

7. System Set (System parameter setting)

System Information:

The version: V1 software version number

TILT Reset: Y-axis reset status display Normal (normal) Wrong (error)

Default Settings: Restore factory settings

Code Settings: Password channel

In the password channel, users need to transfer the password to view and set XY fine adjustment and lamp bead white balance parameters

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

TILT_INIT: Y-axis fine-tuning

SET_R: red current

SET_G: green current

SET_B: blue current

SET_W: white current

The

8. Reset (Reset of lamp body)

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

9.Channels

65 Channels:

65 Channels	Function	DMX value	Description
1	Y	0-255	0~270 degree
2	Y Fine	0-255	16bit adjust
3	Y Speed	0-255	Y Speed from fast to slow
4	Dimmer	0-255	Linear dimming from dark to light
5	Strobe	0-9	No function
		10-154	strobe speed from slow to fast (1HZ~25HZ)
		155-204	Random Strobe
		205-255	Lightning strobe
6	LED1R Dimmer	0-255	Zone 1 red dimming from dark to light

7	LED1G Dimmer	0-255	Zone 1 green dimming from dark to light
8	LED1B Dimmer	0-255	Zone 1 blue dimming from dark to light
9	LED1W Dimmer	0-255	Zone 1 white dimming from dark to light
10	LED2R Dimmer	0-255	Zone 2 red dimming from dark to light
11	LED2G Dimmer	0-255	Zone 2 green dimming from dark to light
12	LED2B Dimmer	0-255	Zone 2 blue dimming from dark to light
13	LED2W Dimmer	0-255	Zone 2 white dimming from dark to light
•	•	•	•
•	•	•	•
•	•	•	•
38	LED9R Dimmer	0-255	Zone 9 red dimming from dark to light
39	LED9G Dimmer	0-255	Zone 9 green dimming from dark to light
40	LED9B Dimmer	0-255	Zone 9 blue dimming from dark to light
41	LED9W Dimmer	0-255	Zone 9 white dimming from dark to light
42	LED10R Dimmer	0-255	Zone 10 red dimming from dark to light
43	LED10G Dimmer	0-255	Zone 10 green dimming from dark to light
44	LED10B Dimmer	0-255	Zone 100 blue dimming from dark to light
45	LED10W Dimmer	0-255	Zone 10 white dimming from dark to light
46	Priority 5: COT color temperature	0-9	No function
		10-255	10000K-2500K
47	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)
48	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
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		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)
49	Priority 2: dynamic effect	0-9	No function
		10-29	Built-in dynamic effects 1
		30-49	Built-in dynamic effects 2
		50-69	Built-in dynamic effects 3
		70-89	Built-in dynamic effects 4
		90-109	Built-in dynamic effects 5
		110-129	Built-in dynamic effects 6
		130-149	Built-in dynamic effects 7
		150-169	Built-in dynamic effects 8
		170-189	Built-in dynamic effects 9
		190-209	Built-in dynamic effects 10
		210-129	Built-in dynamic effects 11
		230-149	Built-in dynamic effects 12
		250-255	Built-in dynamic effects 13
50	Light effect speed	0-255	From fast to slow
51	Effect direction adjustment	0-127	Positive direction of dynamic pattern
		128-255	Dynamic pattern reverse direction
52	Backlight color R	0-255	0~255 Control (59,60) channel backlight
53	Backlight color G	0-255	0~255 Control (59,60) channel backlight
54	Backlight color B	0-255	0~255 Control (59,60) channel backlight

55	Backlight color W	0-255	0~255 Control (59,60) channel backlight
56	Priority 1: Macro function	0-9	No function
		10-99	Auto 1
		100-199	Auto 2
		200-255	Sound control
57	Reset	0-239	No function
		240-250	Reset the lamp, valid for 3s
		251-255	No function

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4	Dimmer	0-255	Linear dimming from dark to light
5	Strobe	0-9	No function
		10-154	strobe speed from slow to fast (1HZ~25HZ)
		155-204	Random Strobe
		205-255	Lightning strobe
6	LED1-10R Dimmer	0-255	Zone 1-10 red dimming from dark to light
7	LED1-10G Dimmer	0-255	Zone 1-10 green dimming from dark to light
8	LED1-10B Dimmer	0-255	Zone 1-10 blue dimming from dark to light
9	LED1-10W Dimmer	0-255	Zone 1-10 white dimming from dark to light
10	Priority 5: COT color temperature	0-9	No function
		10-255	10000K-2500K
11	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
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		120-129	Built-in color effects 12
		130-139	Built-in color effects 13
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		170-179	Built-in color effects 17
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		10-19	Built-in static pattern effect 1
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		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
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		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)		
13	Priority 2: dynamic effect	0-9	No function
		10-29	Built-in dynamic effects 1
		30-49	Built-in dynamic effects 2
		50-69	Built-in dynamic effects 3
		70-89	Built-in dynamic effects 4
		90-109	Built-in dynamic effects 5
		110-129	Built-in dynamic effects 6
		130-149	Built-in dynamic effects 7
		150-169	Built-in dynamic effects 8
		170-189	Built-in dynamic effects 9
		190-209	Built-in dynamic effects 10
		210-129	Built-in dynamic effects 11
		230-149	Built-in dynamic effects 12
		250-255	Built-in dynamic effects 13
14	Effect speed	0-255	Dynamic from fast to slow

15	Effect direction adjustment	0-127	Positive direction of dynamic pattern
		128-255	Dynamic pattern reverse direction
16	Backlight color R	0-255	0~255 Control (15,16) channel backlight
17	Backlight color G	0-255	0~255 Control (15,16) channel backlight
18	Backlight color B	0-255	0~255 Control (15,16) channel backlight
19	Backlight color W	0-255	0~255 Control (15,16) channel backlight
20	Priority 1: Macro function	0-9	No function
		10-99	Auto 1
		100-199	Auto 2
		200-255	Sound control
21	Reset	0-239	No function
		240-250	Reset the lamp, valid for 3s
		251-255	No function

All information is subject to change without prior notice.

More info please visit: www.imrelax.com

Email: kevin@imrelax.com