

CLAIR LIGHTING
Pixel Wash Movinghead
12x40W



User's Manual

1、 Technical parameter:

Voltage: AC100~240V 50/60HZ

Power: 12*30W

Lamp beads: 12PCS four-in-one LED lamp beads

Control mode: DMX512, self-propelled, master-slave, voice control, with RDM function.

Channel: CH21, CH23, CH71

Dimming: 32bit 0~100% linear dimming

Features: moving head + wash + focusing

Working temperature: -30℃~50℃

Strobe frequency: 1~30HZ

Appearance: Metal, Black

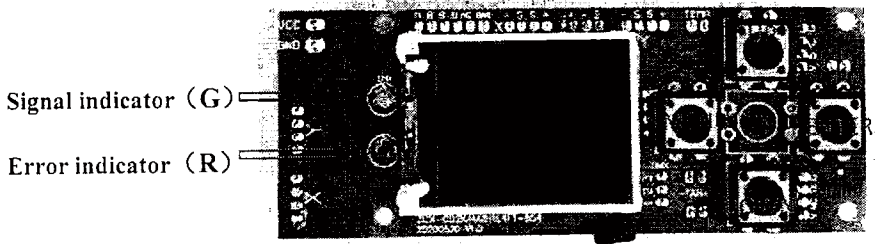
Connection method: DMX512 input and output / power input and output.

IP rating: IP20

Size: 38*26*50CM

Weight: 15KG

2、 Display panel and key definition



Menu key: enter/return to the main menu

Up key: menu function up selection/parameter increment

Down key: menu function down selection/parameter decrement

Enter key: Select the menu function, and confirm and save when the menu function parameters are modified.

3、 Menu function

After power on and the whole machine is reset, press the menu key to enter the main menu (the main menu interface will exit after 30 seconds of no operation), see the main menu function table (5 main menu options in total); up or down key to select the main menu, Enter to modify the function parameters of various menus by pressing the confirm key. After modification, press the confirm key to save the current function parameters (after saving, it has a power-down memory).

| Main menu | Submenu | Menu function description |
|-------------------|---------------------|--|
| 1、System settings | 1、DMX address | Modify the DMX address code up or down (the address code can be selected in the range of 001-512), and the ENTER key is saved, the default is 001. |
| | 2、Encoder | Up or down to modify the encoder on/off, ENTER key to save, the default is on. |
| | 3、X reverse | Modify X reverse up or down to turn on/off, ENTER key to save, default off. |
| | 4、Y reverse | Modify Y reverse up or down to turn on/off, ENTER key to save, default off. |
| 2、Operation mode | 1、operation mode | Up or down to select the operation mode DMX/Voice/Auto, the ENTER key to save, the default DMX. |
| | 2、Channel selection | Select channel CH21/CH23/CH71 up or down, press ENTER to save, the default is CH21. |
| 3、Manual control | 1、X | Modify the X motor running parameter value up or down (adjustable range 000-255), press the ENTER key to save, the default is 000. |
| | 2、X fine-tuning | Modify the value of the X motor fine-tuning parameter up or down (adjustable range 000-255), press the ENTER key to save, the default is 000. |
| | 3、Y | Modify the Y motor running parameter value up or down (adjustable range 000-255), press the ENTER key to save, the default is 000. |
| | 4、Y fine-tuning | Modify the Y motor fine-tuning parameter value up or down (adjustable range 000-255), press the ENETR key to save, the default is 000. |
| | 5、XY speed | Modify the XY motor running speed parameter value up or down (adjustable range 000-255), press the ENTER key to save, the default is 000. |
| | 6、Focus | Modify the operating parameter value of the focusing motor up or down (adjustable range 000-255), press the ENTER key to save, the default is 000. |
| | 7、Dimming | Modify the dimming parameter value up or down (adjustable range: 000-255), press the ENTER key to save, the default is 000. |
| | 8、Strobe | Modify the strobe parameter value up or down (adjustable range 000-255), press the ENTER key to save, the default is 000. |
| | 9、Foreground | Modify the red current value up or down |

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| | color red | (adjustable range 000-255), press the ENTER key to save, the default is 000. |
| | 10、 Foreground color green | Modify the green current value up or down (adjustable range 000-255), press the ENTER key to save, the default is 000. |
| | 11、 Foreground color blue | Modify the blue current value up or down (adjustable range 000-255), press the ENTER key to save, the default is 000. |
| | 12、 Foreground color white | Modify the white current value up or down (adjustable range 000-255), press the ENTER key to save, the default is 000. |
| | 13、 Color temperature | Modify the color temperature up or down (adjustable range 000-255), press the ENTER key to save, the default is 000. |
| | 14、 Wash | Modify the value of color wash up or down (adjustable range 000-255), press ENTER to save, the default is 000. |
| | 15、 GIF | Modify the color GIF up or down (adjustable range 000-255), press the ENTER key to save, the default is 000. |
| | 16、 Speed | Modify the speed up or down (adjustable range 000-255), save with the ENTER key, the default is 000. |
| | 17、 Background color red | Modify the red current value up or down (adjustable range 000-255), press the ENTER key to save, the default is 000. |
| | 18、 Background color green | Modify the green current value up or down (adjustable range 000-255), press the ENTER key to save, the default is 000. |
| | 19、 Background color blue | Modify the blue current value up or down (adjustable range 000-255), press the ENTER key to save, the default is 000. |
| | 20、 Background color white | Modify the white current value up or down (adjustable range 000-255), press the ENTER key to save, the default is 000. |
| | 21、 Reset | When the parameter value is 150-255, the whole machine is reset. The parameter value of the console must be pulled below 10 first, and then pushed to 150-255 to be useful. The parameter value of 000-149 is useless and cannot be reset. |
| 4、 Display setting | 1、 Language selection | Select Chinese/EN (English) up or down, press ENTER to save, the default is Chinese. |
| | 2、 Inverted | Up or down to select turn off/on the inverted |

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| | display settings | display setting, press the ENTER key to save, and the default is off. | |
| | 3、 Backlight settings | Up or down to select turn off/on the backlight setting, ENTER key to save, the default is off. | |
| | 4、 Software version | 066A | |
| 5、 Factory setting | Show Please enter password! Modify up or down to 138, and then press the enter key to enter the factory settings. | 1、 X-axis calibration | Modify the parameter up or down (range 000-255), press the ENTER key to save, the default is 128. |
| | | 2、 Y-axis calibration | Modify the parameter up or down (range 000-255), press the ENTER key to save, the default is 128. |
| | | 3、 Focus calibration | Modify the parameter up or down (range 000-255), press the ENTER key to save, the default is 128. |
| | | 4、 Rotation calibration | Modify the parameter up or down (range 000-255), press the ENTER key to save, the default is 128. |
| | | 5、 Red | Modify the red lamp bead current up or down (032-255), press the ENTERn key to save, the default is 220. |
| | | 6、 Green | Modify the green lamp bead current up or down (032-255), press the ENTERn key to save, the default is 220. |
| | | 7、 Blue | Modify the blue lamp bead current up or down (032-255), press the ENTERn key to save, the default is 220. |
| | | 8、 White | Modify the white lamp bead current up or down (032-255), press the ENTERn key to save, the default is 220. |
| | | 9、 Current | Select 000 / 007 up or down, press ENTER to save, the default is 004. |
| | | 10、 Speed | Modify the speed parameter up or down (range 001-007), press the |

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| | | | ENTER key to save, the default is 000. |
| | | 11、 Logo | Select 000 / 001 up or down, press ENTER to save, the default is 000. |
| | | 12、 Temperature | Modify the temperature parameter up or down (range 045-075), press the ENTER key to save, the default is 065. |
| | | 13、 Temperature-fan | Up or down to select turn off/on the fan control, press the ENTER key to save, the default is off. |

4、 Master-slave control

There are 2 or more identical lamps connected with DMX three-core signal line, all lamps are modified to any address code from 001 to 512, any one is set as the master, the other lamps are slaves, and the display of all slaves does not flicker ; When using the host to adjust the gradient, pulse, jump, voice control, and self-propelled effects, all slaves synchronize the gradient, pulse, jump, voice, and self-propelled effects.

Special attention:

1. Only one host can be set for a group of lamps. If there are multiple hosts, all lamps will flash randomly without synchronization.
2. All lamps and lanterns must be used only when the DMX512 console is turned off.

5、 DMX512 control

After setting the address codes of all lamps, connect all lamps with DMX three-core signal cables in parallel to the DMX512 console. The address code stops flashing, indicating that the DMX512 console signal has been sent to the lamps. Use the DMX512 console to control related functions according to the channel description.

CH21 Channel description:

| CH | CH Value | Basic function |
|----|----------|--------------------|
| 1 | 000-255 | X axis |
| 2 | 000-255 | X-axis fine-tuning |
| 3 | 000-255 | Y axis |
| 4 | 000-255 | Y-axis fine-tuning |
| 5 | 000-255 | XY speed |
| 6 | 000-255 | Focusing |
| 7 | 000-255 | Dimming |
| 8 | 000-255 | Strobe |

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| 9 | 000-255 | Red light - foreground color |
| 10 | 000-255 | Green light - foreground color |
| 11 | 000-255 | Blue light - foreground Color |
| 12 | 000-255 | White light - foreground color |
| 13 | 000-255 | Color temperature |
| 14 | 000-255 | Wash/Color Macros |
| 15 | 000-255 | GIF |
| 16 | 000-255 | GIF speed |
| 17 | 000-255 | Red light - background color |
| 18 | 000-255 | Green light - background color |
| 19 | 000-255 | Blue light - background color |
| 20 | 000-255 | White light - background color |
| 21 | 000-255 | Reset: When the parameter value is 150-255, the whole machine is reset. The parameter value of the console must be pulled below 10 first, and then pushed to 150-255 to be useful. The parameter value of 000-149 is useless and cannot be reset. |

CH23 Channel description:

| CH | CH Value | Basic function |
|----|----------|--------------------------------|
| 1 | 000-255 | X axis |
| 2 | 000-255 | X-axis fine-tuning |
| 3 | 000-255 | Y axis |
| 4 | 000-255 | Y-axis fine-tuning |
| 5 | 000-255 | XY speed |
| 6 | 000-255 | Focusing |
| 7 | 000-255 | Dimming |
| 8 | 000-255 | Strobe |
| 9 | 000-255 | Red light - foreground color |
| 10 | 000-255 | Green light - foreground color |
| 11 | 000-255 | Blue light - foreground Color |
| 12 | 000-255 | White light - foreground color |
| 13 | 000-255 | Color temperature |
| 14 | 000-255 | Wash/Color Macros |
| 15 | 000-255 | Fade |
| 16 | 000-255 | Pan |
| 17 | 000-255 | GIF |
| 18 | 000-255 | GIF speed |
| 19 | 000-255 | Red light - background color |
| 20 | 000-255 | Green light - background color |
| 21 | 000-255 | Blue light - background color |
| 22 | 000-255 | White light - background color |

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| 23 | 000-255 | Reset: When the parameter value is 250-255, the whole machine is reset. The parameter value of the console must be pulled below 10 first, and then pushed to 250-255 to be useful. The parameter value of 000-249 is useless and cannot be reset. |
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CH71 Channel description:

| CH | CH Value | Basic function |
|-----|----------|---|
| 1 | 000-255 | X axis |
| 2 | 000-255 | X-axis fine-tuning |
| 3 | 000-255 | Y axis |
| 4 | 000-255 | Y-axis fine-tuning |
| 5 | 000-255 | XY speed |
| 6 | 000-255 | Focusing |
| 7 | 000-255 | Dimming |
| 8 | 000-255 | Strobe |
| 9 | 000-255 | Red light - foreground color |
| 10 | 000-255 | Green light - foreground color |
| 11 | 000-255 | Blue light - foreground Color |
| 12 | 000-255 | White light - foreground color |
| 13 | 000-255 | Color temperature |
| 14 | 000-255 | Wash/Color Macros |
| 15 | 000-255 | Fade |
| 16 | 000-255 | Pan |
| 17 | 000-255 | GIF |
| 18 | 000-255 | GIF speed |
| 19 | 000-255 | Red light - background color |
| 20 | 000-255 | Green light - background color |
| 21 | 000-255 | Blue light - background color |
| 22 | 000-255 | White light - background color |
| 23 | 000-255 | Reset: When the parameter value is 250-255, the whole machine is reset. The parameter value of the console must be pulled below 10 first, and then pushed to 250-255 to be useful. The parameter value of 000-249 is useless and cannot be reset. |
| 24 | 000-255 | The 1st red lamp bead dimming |
| 25 | 000-255 | The 1st green lamp bead dimming |
| 26 | 000-255 | The 1st blue lamp bead dimming |
| 27 | 000-255 | The 1st white lamp bead dimming |
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| 68 | 000-255 | The 12th red lamp bead dimming |
| 69 | 000-255 | The 12th green lamp bead dimming |
| 70 | 000-255 | The 12th blue lamp bead dimming |
| 71 | 000-255 | The 12th white lamp bead dimming |