

B12 RGB LASER BAR PRODUCT MANUAL



Safety Guidance

Thank you for choosing our products. For your safety, please read this manual carefully before operation. This manual includes installation and use information.

The equipment is packaged in good condition when leaving the factory. Please operate according to the user manual. The machine failure caused by man-made reasons is not covered by the warranty.

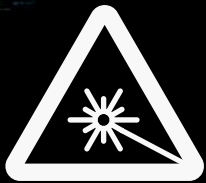
1. Before using the product, please open it and check it carefully to ensure that there is no damage caused by transportation.
2. Don't let children operate the machine.
3. Use safe rope when fixing the equipment and lift the bottom of the light when moving it.
4. The device must be installed in a well-ventilated place, at least 50 cm from the proximal surface.
5. Ensure that the ventilation hole is unobstructed to avoid overheating when the light is running.
6. Before running, ensure that the power supply voltage is consistent with the required power supply voltage.
7. Please ground the conductor to prevent electric shock.
8. Do not place combustible articles near the light when it is running to prevent fire risk.
9. Before opening the light, please carefully check whether the power cable is damaged. If it is damaged, please replace it immediately.
10. Avoid flammable liquid, water, metal and other electrical conductors entering the light to avoid electric shock or fire. If foreign matter enters the light, cut off the power supply immediately.
11. Avoid operating lights in dirty and dusty environment, and clean and maintain lights regularly.
12. Do not touch the wire when the light is running to prevent electric shock.
13. Avoid entangling power cables with other wires.
14. Do not open the shell of the light without permission.
15. Please cut off the power supply when the light is not used or maintained for a long time.
16. Do not look directly at the light when it is running

Packing List

This series of products are packed in standard carton, air carton is optional, please read this manual carefully before using. Follow operating rules to avoid damage to light or bodily injury. Please handle the products carefully after receiving them, and check whether the products are damaged during transportation. Open the cover of the box, take out the relevant accessories in the box, take out the light, and place the light on a horizontal table to facilitate related operations. Note: Do not squeeze plastic parts to avoid breakage or distortion.

Check the parts as follows:

- Stage light 1pc
- cable 1pc
- manual 1pc parts 1pc



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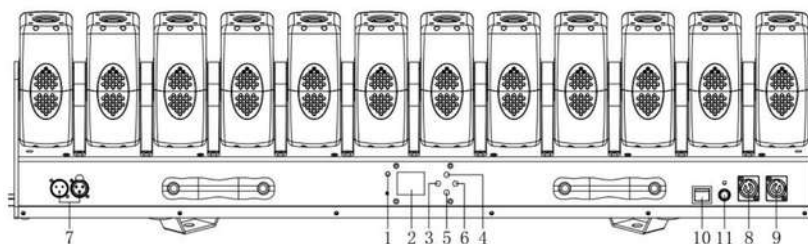
Installation Notes

1. When install this equipment please make sure there's no flammable surfaces (decorated things, etc) within at least 2.5M and maintain minimum distance of 0.5M from the equipment to the walls.
2. Before installation, please confirm whether the power supply voltage you are using matches the voltage marked by the light.
3. Make sure that the ventilation fan and exhaust passage are not blocked by other equipment or decorative materials, such as newspapers, tablecloths, curtains, etc.
4. The equipment should be fixedly installed. To ensure the stability of its installation point, at least a load-bearing structure that can withstand more than ten times the weight of the product.
5. For safety reasons, this machine should be connected to a main socket with a ground wire.

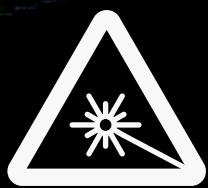
Technical Parameter

1. Power supply: AC 100 ~240V 50/60Hz,160W@220V
2. Light source: RGB 2W x 12pcs
3. Working mode: Auto/DMX512/ master-slave/User mode/Sound
4. DMX Control Channel: 14CH/74CH
5. Cool system: Intelligent air cooling system
6. Working environment: indoor
7. Working temperature: 0°C - 35°C
8. N.W./G.W.: 23kg/87kg
9. Package size: 107*61*52cm

Technical Parameter



| No. | Interface / Button | Function Description |
|-----|-----------------------------|---|
| 1 | Red Indicator Light | No light / steady light: The device system is in a stopped or abnormal state. Flashing: The device system is running normally. Fast flashing: The safety electronic lock is not enabled. |
| 2 | Menu Display | Displays the current menu, settings, and operating status. |
| 3 | MENU Button | Press to enter the menu or return to the previous menu. |
| 4 | UP Button | Press to move up or increase the selected value. |
| 5 | DOWN Button | Press to move down or decrease the selected value. |
| 6 | ENTER Button | Press to confirm the selected setting or save changes. |
| 7 | XLR 3-Pin DMX-512 Interface | DMX512 signal input/output interface for connecting a DMX controller or linking multiple devices. |
| 8 | 100-240V Power Input | Connects the device to AC power. |
| 9 | 100-240V Power Output | Power output port for linking power to another compatible device. |
| 10 | Power Switch | Turns the device on or off. |
| 11 | Fuse | Provides electrical protection for the device. |



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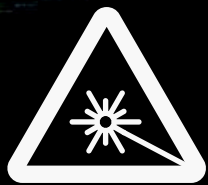


Light Setting

Open the device, press the MENU button to ENTER the menu mode, press the ENTER button to enter the selected function, then use the UP/DOWN button to select the required function, and press the Enter button to confirm. To return to the main MENU press the Menu button. The main functions are as follows:

6.1 OLED display control panel function menu setting ,as following :

| Main Menu | Secondary Menu | Third Menu / Option | Setting Range / Value | Operation / Description |
|------------|-------------------|----------------------------|-----------------------|--|
| DMX-512 | DMX Address | Address Setting | 1-512 | Set the DMX address of the device. |
| | Channel Mode | CH Mode | 14CH / 74CH | Select the DMX channel mode. Default: 74CH. |
| | DMX Status | Standby / Hold | Standby / Hold | Set the device behavior when the DMX signal is lost. |
| | View DMX Value | DMX-512 Channel Value View | CH1-CH14 / CH1-CH74 | View the current DMX channel values. For example, in 14CH mode, the display shows CH1-CH14. |
| Play Mode | Show | Built-in Show Effects | 001-017 | Select a built-in effect. 017 loops all effects. |
| | Swing | Swing Speed / Range | 0-100 | Adjust the swing movement value. |
| | Master / Slave | Master / Slave Mode | Master / Slave | Set the device as master or slave for linked operation. |
| | Sound | Sound Control | ON / OFF | Turn sound-active mode on or off. |
| Play Mode | Sound Sensitivity | Microphone Sensitivity | 0-100 | Adjust the sound sensitivity level. |
| | Test Mode | Auto Test | Auto Test Mode | ON / OFF |
| Use Mode | Value Setting | Custom Channel Value | CH1-CH14 customizable | Customize the value of each lighting channel. The program includes a built-in console. Restore factory settings and save data as needed. If data is cleared, use the reset option. |
| Master Set | Motor Setup | Y-Axis Reverse | ON / OFF | Reverse the Y-axis motor direction. |
| Display | CN / EN | Language Selection | CN / EN | Select Chinese or English display language. |
| | Screen Reverse | Display Rotation | ON / OFF | Rotate the screen by 180°. |
| | Screen Saver | Screen Saver Time | 30s-120s | Set the screen saver activation time. |
| Survey | Motor Reset | Motor Reset | ON / OFF | Reset and calibrate the motor position if the motor is out of step or out of position. |
| Defaults | Reset | Factory Parameter Reset | ON / OFF | Restore the parameters to the original factory settings. |
| | Factory Init | Factory Initialization | 0-999 | Used by factory technicians. Password: 999. |



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| | | | | |
|--------------|---------------------|----------------------------|-------------------------------|---|
| Error Info | A Motor Reset Error | Error Status | Yes / No | Indicates whether there is an A motor reset error. |
| | B Motor Reset Error | Error Status | Yes / No | Indicates whether there is a B motor reset error. |
| Error Info | RS485 Error | Error Status | Yes / No | The error may be caused by the control board not being powered on, a damaged chip, or a signal cable problem. |
| Version Info | CPU Version | GUI Hardware Version | GUI Hdw Ver | Displays the GUI hardware version. |
| | CPU Version | GUI Software Version | GUI Sfw Ver | Displays the GUI software version. |
| | CPU Version | Motor Hardware Version | MOT Hdw Ver No.1-No.12 | Displays the hardware version of motors No.1 to No.12. |
| | CPU Version | Motor Software Version | MOT Sfw Ver No.1-No.12 | Displays the software version of motors No.1 to No.12. |
| SysInfo | Operational | Current Work Mode | Current device work mode | Displays the current operating mode of the device. |
| | Channel Num. | Current Channel Mode | Current device channel value | Displays the current channel mode/value of the device. |
| | DMX Address | Current DMX Address | Current device address | Displays the current DMX address of the device. |
| | Effect Version | Current Effect Version | Current device effect version | Displays the current effect program version. |
| | Device Temp. | Current Device Temperature | Temperature value | Displays the current internal temperature of the device. |

DMX512

Select DMX512 mode press ●ENTER key to confirm, the current mode will be displayed on the display, press the "●ENTER" button, use ▲UP, ▼DOWN button to select the number of channels according to the required effect of DMX control, channel mode has two kinds: 14/74CH channel mode. DMX status: Standby / Hold. The fixture is in a state setting without a 512 signal while under control. After setting, if you need to view the value of each channel, press ▲UP, ▼DOWN button to select the channel value and view the access channel. Console mode is slave mode at the same time. If DMX512 console signal is connected, it is console mode. Press the ●ENTER key to save, and press the MENU button to return to the upper-level menu.

Play Mode

Select Play Mode, then press the ● ENTER button to confirm. The current mode will be shown on the display screen.

Press ● ENTER again, then use the ▲ UP and ▼ DOWN buttons to select from 17 built-in auto effect modes.

The 17th mode plays all effects in a loop.

You can also use the ▲ UP and ▼ DOWN buttons to turn the Master/Slave setting ON/OFF.

If needed, you can enable the sound-active trigger to play the selected effect according to music or sound.

After selecting the desired setting, press ● ENTER to save.

Press the MENU button to return to the previous menu.

Test Mode

Select Test Mode, then press the ● ENTER button to confirm. The current mode will be shown on the display screen.

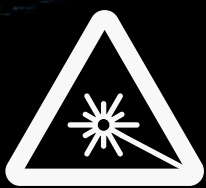
Auto Test is a special test mode. It can only be activated after entering the Auto Test interface.

Use the ▲ UP and ▼ DOWN buttons to select ON/OFF.

When Auto Test is turned ON, the device will automatically check whether the light is operating properly.

After exiting the Auto Test interface, the device will return to the previous operating mode.

Press the MENU button to return to the previous menu.



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User Mode

Select User Mode, then press the ● ENTER button to confirm. The current mode will be shown on the display screen.

In User Mode, channels CH1-CH48 can be adjusted manually.

Press ● ENTER to select a channel, then use the ▲ UP and ▼ DOWN buttons to set the channel value from 0-255.

Press the ▼ DOWN button to move to the next channel setting.

Set the required channel values according to the desired lighting effect.

Note: User Mode data will remain unchanged after restoring factory settings. If you need to clear the data, use the Reset option.

After completing the settings, press ● ENTER to save.

Press the MENU button to return to the previous menu.

Master Set

Select Master Set, then press the ● ENTER button to confirm.

Use the ▲ UP and ▼ DOWN buttons to select Motor Settings or Other Settings.

After selecting the required setting, press ● ENTER to save.

Press the MENU button to return to the previous menu.

Motor Settings

Select Motor Settings, then press the ● ENTER button to confirm. The current mode will be shown on the display screen.

Use the ▲ UP and ▼ DOWN buttons to select the motor direction setting.

X-Axis Motor Reverse Setting

Set the horizontal running direction of the X-axis motor:

- Forward: Clockwise rotation
- Reverse: Counterclockwise rotation

Y-Axis Motor Reverse Setting

Set the running direction of the Y-axis motor:

- Forward: Clockwise rotation
- Reverse: Counterclockwise rotation

After completing the settings, press ● ENTER to save.

Press the MENU button to return to the previous menu.

Display Settings

Select Display, then press the ● ENTER button to confirm. The current mode will be shown on the display screen.

Use the ▲ UP and ▼ DOWN buttons to select the display setting.

Language Setting

Select Chinese / English display language.

The interface can display both Chinese and English options.

Screen Reverse Setting

Enable or disable 180° screen rotation.

After completing the settings, press ● ENTER to save.

Press the MENU button to return to the previous menu.

Defaults Setting

Select Defaults, then press the ● ENTER button to confirm. The current mode will be shown on the display screen.

Use the ▲ UP and ▼ DOWN buttons to select the required default setting.

Motor Reset

Use this function when the motor is out of step or the position is offset.

The reset function calibrates the motor position.

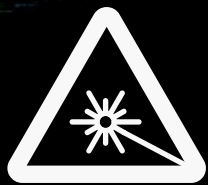
Restore Factory Settings

Restore the device parameters to the original factory settings.

Note: The channel mode value, User Mode value, and DMX512 address will remain unchanged after restoring factory settings.

After completing the settings, press ● ENTER to save.

Press the MENU button to return to the previous menu.



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Survey

Select Survey, then press the ● ENTER button to confirm. The current mode will be shown on the display screen.

Use the ▲ UP and ▼ DOWN buttons to view the following information:

- Version information
- Hardware display version
- Hardware and software versions of motor heads No. 1 to No. 12

Note: If the motor board information cannot be read, the possible causes are:

- The motor board is not powered on
- The chip is damaged
- There is a problem with the signal cable

After viewing the information, press the MENU button to return to the previous menu.

SysInfo

Select SysInfo, then press the ● ENTER button to confirm. The current mode will be shown on the display screen.

Use the ▲ UP and ▼ DOWN buttons to view the system information.

Operation Mode

Displays the current working mode of the device.

Channel Mode

Displays the current channel mode of the device.

Address Code

Displays the current DMX working address of the device.

Effect Version

Displays the current effect version used by the device.

Device Temperature

Displays the current internal temperature of the device.

Note: If a negative temperature is displayed, it means the internal temperature probe is not connected.

After viewing the system information, press the MENU button to return to the previous menu.

Light Control Mode

The device supports the following control modes:

① DMX512 Control Mode

In DMX512 Control Mode, the device receives a standard DMX512 signal from an external DMX controller.

Operation Steps

1. Set the DMX512 address code.
2. Select the corresponding DMX channel control mode.
3. After the settings are completed, the device will operate according to the DMX512 signal received from the controller.

② Auto Mode

In Auto Mode, when the device does not receive an external control signal, it can run the built-in pre-programmed effects automatically.

Operation Description

- The device can automatically play built-in lighting effects.
- You can select different built-in effect programs.
- Sound-active mode can also be enabled to trigger the selected effect according to music or sound.

③ Master / Slave Mode

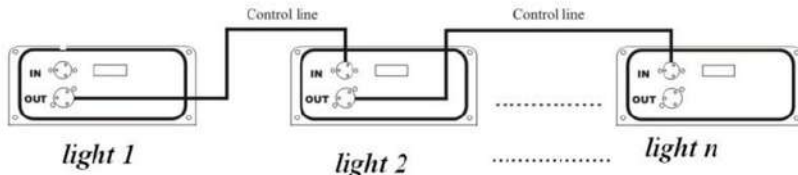
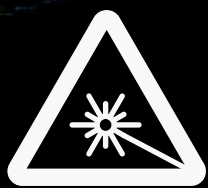
In Master / Slave Mode, multiple devices can be linked together. One device works as the master unit, and the other devices follow the master unit's operation.

Master Unit Setting

1. Press the MENU button.
2. Use the ▲ UP and ▼ DOWN buttons to select Operation Mode.
3. Enter the Play Mode menu.
4. Set Master to ON.
5. Default setting: OFF
6. The device is now set as the master unit.
7. Press ● ENTER to save.
8. Press the MENU button to return to the previous menu.

Slave Unit Setting

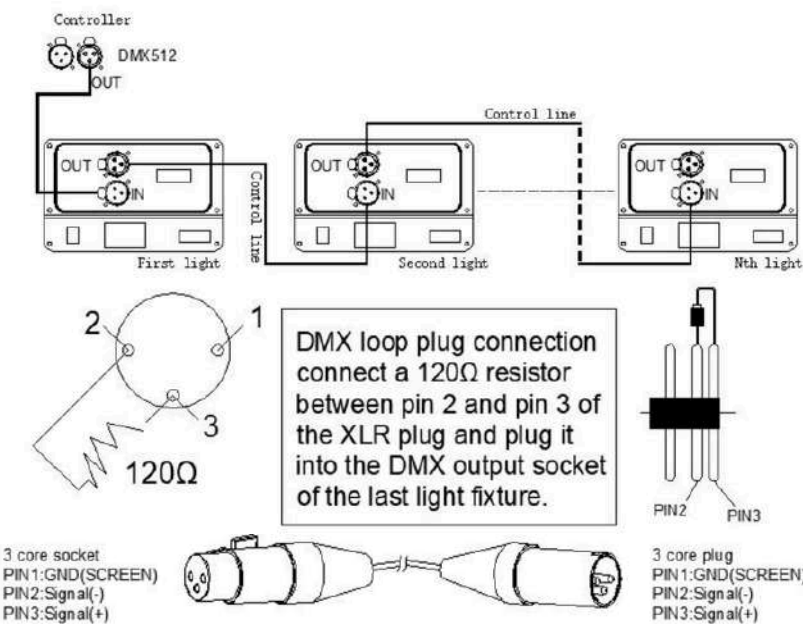
1. Press the MENU button.
2. Use the ▲ UP and ▼ DOWN buttons to select Operation Mode.
3. Enter the Play Mode menu.
4. Set Master to OFF.
5. Default setting: OFF
6. The device is now set as the slave unit.
7. Press the MENU button to return to the previous menu.



④User mode: The numerical lights of each channel can be controlled through the operation interface.

DMX512 Control

DMX512 Connect

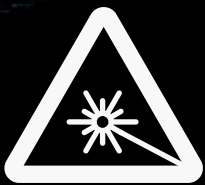


DMX512 Signal Connection Notes

1. To reduce signal errors and prevent signal weakening or interference during transmission, a 120Ω terminator can be connected between Pin 2 and Pin 3 of the DMX output connector on the last device.
2. Connect the devices using an XLR signal cable. One end of the cable should be connected to the DMX output port of the first device, and the other end should be connected to the DMX input port of the next device.
3. XLR signal cables must be connected in series. Do not connect them in parallel.
4. DMX512 signal transmission is very fast. Damaged signal cables, poor soldering, loose connections, or poor contact may affect signal transmission and cause the system to operate abnormally or stop working.
5. If the power of one device is disconnected, the DMX input and output connection can still be bypassed to maintain the continuity of the DMX signal line.
6. Each device must be assigned a unique DMX address code so that it can receive control information from the console. The address range is 1-512.
7. The end of the DMX512 system should be equipped with a DMX terminator to reduce signal transmission errors.
8. The 3-pin XLR connector is more commonly used than the 5-pin XLR connector.

XLR Connector Pin Definition

| Connector Type | Pin | Function |
|----------------|-------|----------|
| 3-Pin XLR | Pin 1 | GND |
| 3-Pin XLR | Pin 2 | - Signal |
| 3-Pin XLR | Pin 3 | + Signal |
| 5-Pin XLR | Pin 1 | GND |
| 5-Pin XLR | Pin 2 | - Signal |
| 5-Pin XLR | Pin 3 | + Signal |
| 5-Pin XLR | Pin 4 | Not Used |
| 5-Pin XLR | Pin 5 | Not Used |



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DMX512 Channel Setting

Press the ● ENTER button to enter the menu mode.
Use the ▲ UP and ▼ DOWN buttons to select DMX512 Mode.
Enter Channel Mode, then select the required channel mode:

- 14CH
- 74CH

After selecting the channel mode, set the required DMX address code.
Press the ● ENTER button to save the setting.
Press the MENU button to return to the previous menu.

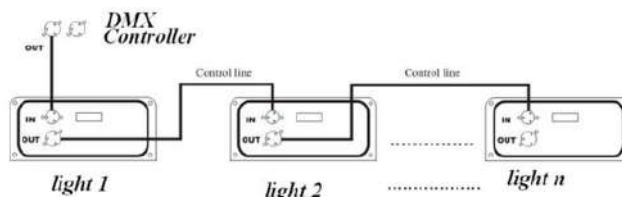
DMX512 Connection Method

Connect the XLR control cable from the DMX output port of the controller to the DMX input port of the first light.

Then connect the DMX output port of the first light to the DMX input port of the next light.
Continue connecting the lights in series until all devices are connected.

Finally, connect a DMX terminator / loop plug to the DMX output port of the last light to complete the DMX signal connection.

The connection method is shown in the figure below.



DMX Address Code Setting

When using a DMX controller, each device must have its own DMX address code.
The address code of each light should be set according to the selected DMX channel mode.

For example:

- If the first light is set to address 001
- In 14CH mode, the second light should be set to address 015
- In 74CH mode, the second light should be set to address 075

This is because the next device address is calculated by adding the number of channels used by the previous device.

Address Setting Example

| Device No. | 14CH Mode Address | 74CH Mode Address |
|------------|-------------------|-------------------|
| 1st Light | 1 | 1 |
| 2nd Light | 15 | 75 |
| 3rd Light | 29 | 149 |
| 4th Light | 43 | 223 |
| 5th Light | 57 | 297 |
| 6th Light | 71 | 371 |
| 7th Light | 85 | 445 |

Address Calculation Method

14CH Mode

Each device occupies 14 channels.

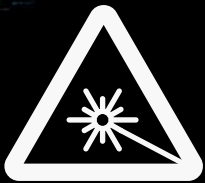
Next device address = Current device address + 14

Example:

1st Light: 001

2nd Light: 001 + 14 = 015

3rd Light: 015 + 14 = 029



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74CH Mode

Each device occupies 74 channels

Next device address = Current device address + 74

Example:

1st Light: 001

2nd Light: 001 + 74 = 075

3rd Light: 075 + 74 = 149

Note

The actual DMX address setting may vary depending on the controller or console being used. The above method is based on the general DMX512 address setting convention.

The specific DMX512 signal control mode address code settings are as follows:

| Light No. | Start Address | Display (ON) |
|-----------|---------------|--------------|
| 1 | 1 | 1 |
| 2 | 15 / 75 | 015 / 075 |
| 3 | 29 / 149 | 029 / 149 |

DMX-512Channel introduce:

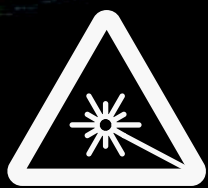
This light has two channel modes 14/74CH (channel mode can be selected from console mode → channel mode setting), and the mode and description are as follows:

14CH mode as following:

| Channel | Value Range | Control Function |
|---------|-------------|--|
| CH1 | 0-255 | Y-axis angle |
| CH2 | 0-255 | Y-axis fine adjustment |
| CH3 | 0-255 | Y-axis speed, only for CH1 / CH2 |
| CH4 | 0-255 | Y-axis motor macro. Each 16 values represent one macro, with 16 macros in total. |
| CH5 | 0-255 | Y-axis motor macro speed, only for CH4 |
| CH6 | 0-255 | Y-axis motor macro range, only for CH4 |
| CH7 | 0-007 | Lights OFF, motor can still work |
| CH7 | 007-255 | Full function work |
| CH8 | 0-255 | Red brightness, 0-100% |
| CH9 | 0-255 | Green brightness, 0-100% |
| CH10 | 0-255 | Blue brightness, 0-100% |
| CH11 | 0-255 | Strobe, slow to fast |
| CH12 | 0-255 | Light macro. Each 4 values represent one macro, with 64 macros in total. |
| CH13 | 0-255 | Light macro speed, slow to fast |
| CH14 | 0-240 | No function |
| CH14 | 241-255 | Wait 5 seconds, then motor reset |

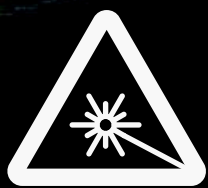
74CH mode as following:

| Channel | Value Range | Control Function |
|---------|-------------|--|
| CH1 | 001-255 | Y-axis angle. When CH1 = 000, the Z motor can be controlled. |
| CH2 | 001-255 | Y-axis fine adjustment |
| CH3 | 001-255 | Y-axis speed, only for CH1 / CH2 |
| CH4 | 001-255 | Y-axis motor macro. Each 16 values represent one macro, with 16 macros in total. |
| CH5 | 001-255 | Y-axis motor macro speed, only for CH4 |
| CH6 | 001-255 | Y-axis motor macro range, only for CH4 |
| CH7 | 000-007 | Lights OFF, motor can still work |
| | 008-255 | Full function work |
| CH8 | 000-255 | Red brightness, 0-100% |
| CH9 | 000-255 | Green brightness, 0-100% |
| CH10 | 000-255 | Blue brightness, 0-100% |
| CH11 | 000-255 | Strobe, slow to fast |
| CH12 | 001-255 | Light macro. Each 4 values represent one macro, with 64 macros in total. |
| CH13 | 001-255 | Light macro speed, slow to fast |
| CH14 | 000-240 | No function |
| CH14 | 241-255 | Wait 5 seconds, then motor reset |
| CH15 | 001-255 | Z1 angle selection |
| CH16 | 001-255 | Z1 angle fine adjustment |
| CH17 | 001-255 | Light 1 red |
| CH18 | 001-255 | Light 1 green |
| CH19 | 001-255 | Light 1 blue |
| CH20 | 001-255 | Z2 angle selection |
| CH21 | 001-255 | Z2 angle fine adjustment |
| CH22 | 001-255 | Light 2 red |
| CH23 | 001-255 | Light 2 green |
| CH24 | 001-255 | Light 2 blue |
| CH25 | 001-255 | Z3 angle selection |
| CH26 | 001-255 | Z3 angle fine adjustment |



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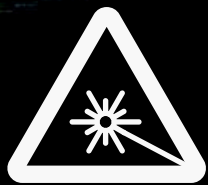




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| | | |
|------|---------|--------------------------|
| CH27 | 001-255 | Light 3 red |
| CH28 | 001-255 | Light 3 green |
| CH29 | 001-255 | Light 3 blue |
| CH30 | 001-255 | Z4 angle selection |
| CH31 | 001-255 | Z4 angle fine adjustment |
| CH32 | 001-255 | Light 4 red |
| CH33 | 001-255 | Light 4 green |
| CH34 | 001-255 | Light 4 blue |
| CH35 | 001-255 | Z5 angle selection |
| CH36 | 001-255 | Z5 angle fine adjustment |
| CH37 | 001-255 | Light 5 red |
| CH38 | 001-255 | Light 5 green |
| CH39 | 001-255 | Light 5 blue |
| CH40 | 001-255 | Z6 angle selection |
| CH41 | 001-255 | Z6 angle fine adjustment |
| CH42 | 001-255 | Light 6 red |
| CH43 | 001-255 | Light 6 green |
| CH44 | 001-255 | Light 6 blue |
| CH45 | 001-255 | Z7 angle selection |
| CH46 | 001-255 | Z7 angle fine adjustment |
| CH47 | 001-255 | Light 7 red |
| CH48 | 001-255 | Light 7 green |
| CH49 | 001-255 | Light 7 blue |
| CH50 | 001-255 | Z8 angle selection |
| CH51 | 001-255 | Z8 angle fine adjustment |
| CH52 | 001-255 | Light 8 red |
| CH53 | 001-255 | Light 8 green |
| CH54 | 001-255 | Light 8 blue |
| CH55 | 001-255 | Z9 angle selection |
| CH56 | 001-255 | Z9 angle fine adjustment |



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| | | |
|------|---------|---------------------------|
| CH57 | 001-255 | Light 9 red |
| CH58 | 001-255 | Light 9 green |
| CH59 | 001-255 | Light 9 blue |
| CH60 | 001-255 | Z10 angle selection |
| CH61 | 001-255 | Z10 angle fine adjustment |
| CH62 | 001-255 | Light 10 red |
| CH63 | 001-255 | Light 10 green |
| CH64 | 001-255 | Light 10 blue |
| CH65 | 001-255 | Z11 angle selection |
| CH66 | 001-255 | Z11 angle fine adjustment |
| CH67 | 001-255 | Light 11 red |
| CH68 | 001-255 | Light 11 green |
| CH69 | 001-255 | Light 11 blue |
| CH70 | 001-255 | Z12 angle selection |
| CH71 | 001-255 | Z12 angle fine adjustment |
| CH72 | 001-255 | Light 12 red |
| CH73 | 001-255 | Light 12 green |
| CH74 | 001-255 | Light 12 blue |

Maintenance

To keep the device in good working condition and ensure stable performance, regular maintenance is required.

1. Mirror Cleaning

Mirror cleaning should be performed every 15 days.

Use a sponge dipped with alcohol to clean the mirror gently.

Do not use a wet cloth or other chemical liquids, as they may damage the optical surface.

Always disconnect the device from the power supply when it is not in use or before cleaning.

2. Cooling Fan Cleaning

Use compressed air to clean the cooling fan.

The cooling fan plays an important role in the normal operation and heat dissipation of the device.

Please make sure the fan remains clean and operates normally.

3. Fan Cleaning Frequency

When the device is used frequently, the fan should be cleaned every 1 month.

If the device is used in a dusty or oily environment, the cleaning frequency should be increased.

The actual cleaning schedule should be adjusted according to the operating environment to ensure normal fan operation.

4. Internal Optical Cleaning

Internal optical components must be cleaned by professional authorized technicians.

Incorrect cleaning methods or improper cleaning materials may cause serious damage to the device.

Because the optical section is separated and sealed from the rest of the light source system, internal optical cleaning should not be performed more than once per year.



Warning and Declaration

Do not look directly at the light source with your eyes when turning on the light. Before any installation and maintenance work, please make sure that the power has been cut off.



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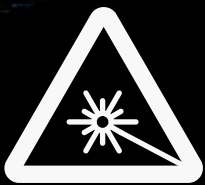
Electrical safety



光学安全

Optical security

| Common Breakdown | Possible Cause / Analysis | Solution |
|--|---|---|
| The light does not emit light or does not work | The power cable may not be connected properly, the fuse may be burned out, or the input voltage may not match the device requirements. | 1. Check whether the power cable is properly connected to the light. 2. Check whether the fuse is burned out. 3. Check whether the input voltage matches the rated voltage of the light. 4. Check whether the device resets normally during startup. |
| No sound control | The device may not be set to sound-control mode, or the sound sensitivity value may be too low. | 1. Check whether the display menu is set to Sound Control Mode according to the instructions. 2. If the sound sensitivity value is too low, increase the sensitivity value. |
| The light emits normally but cannot be controlled by the controller | The DMX start address may be incorrect, or the XLR signal cable may be damaged. | 1. Check whether the DMX start address on the display screen is set correctly. 2. Check whether the XLR signal cable is damaged or poorly connected. |
| Master / Slave synchronization mode: the master works normally, but the slave works abnormally | There may be more than one master unit, the master may be connected to a DMX console, or the master/slave settings or signal connection may be incorrect. | 1. Confirm that there is only one master unit. 2. Make sure the master unit is not connected to a DMX console. 3. Set the master unit to Sound Control Mode or Auto Mode. 4. If the problem remains after correct master/slave settings, check the linking cable. |
| Key failure or no response | One or more buttons may not have reset properly. | Check whether any button is stuck or has not returned to its normal position. |
| The light is dim, and the brightness is obviously reduced | The light source may have reached the end of its service life, or the internal/external optical system may be dirty. | 1. Check whether the light source has reached its service life. 2. Check whether the internal and external optical system is clean. |
| Fault cannot be eliminated | The issue may require professional inspection or repair. | If the fault cannot be solved using the above methods, please contact the dealer or authorized service provider. |



**STARSHINE LIGHTS
PRODUCT MANUAL**

