

FOS BRICK 600 IP65

User Manual



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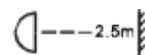
1. Safety Instruction



Warning

Please read this manual carefully, which includes important information about installation, use, and maintenance.

- Please keep this manual as a future reference. If you sell the product to other users, make sure they have access to this manual as well.
- Before using the fixture, please check carefully to make sure that there is no damage caused by transportation. If yes, please do not use it and contact the dealer for the first time.
- The fixture is only suitable for indoor operation.
- The installation and operation of the fixture should be carried out by professionals.
- Use a safety harness when fixing equipment.
- The equipment must be installed in a well-ventilated area, at least 50 cm from the adjacent plane.
- Make sure the ventilation holes are unobstructed to avoid overheating when the fixtures are working.
- Ensure that the power supply voltage is in line with the requirements of the equipment before operation.
- Please earth the conductive body in case of electric shock.
- Please **do not** use the light in environments with temperatures above **40 °C**.
- The shortest distance between all exterior surfaces and combustible materials **is 2.5m**.
- It is forbidden to connect the device directly to the dimmer.
- A small amount of smoke or a peculiar smell may occur during the work of the new fixture, which will disappear after a few minutes.
- Do not place combustible materials near the fixture when it is working, in case of fire danger.
- Please check whether the power line is broken before turning on the fixture. Please replace it immediately if there is any damage.
- Fixture's runtime surface temperature reaches 60 °C, please do not touch with bare hands.
- Avoid excessive continuous operation of the fixture, as this will reduce its life.
- Avoid metal and other conductive bodies inside the interior of the fixture, to avoid electric shock, damage or fire. If any foreign body enters the fixture, please cut off the power immediately.
- Avoid operation in dirty and dusty environments, and regularly clean and maintain the fixture.
- Keep the fixture away from children.



- Do not touch or move the wire during operation.
- Avoid winding the power cords and other wires.
- Please use the same model when replacing the fuse.
- If there is a serious malfunction, please stop using the fixture immediately.
- Please replace the housing and lens when there is obvious damage.
- The interior of the fixture is not available.
- Please do not open the shell of the fixture without authorization.
- Contact the official service department, if needed.
- Please cut off the power when the fixtures are not used for a long time.
- Please use the original packing material for re-shipment.
- To avoid fire or electric shock, do not expose the fixture to rain or wet areas.
- Please do not look directly at the beam.
- The product may emit harmful optical radiation.

Warning

- Do not expose the fixture to rain or humidity in order to prevent or reduce the danger of electric shock and fire.
- Shut off for 5 minutes.
- Replace the fixture's housing in case of a damage

If AC 230V~50Hz power supply is used, do not connect more than 5 lamps in series, please use another power supply to provide power for the next set of 5 lamp sets;

If AC 120V~60Hz power supply is used, do not connect more than 3 lamps in series. Please use another power source to provide power for the next set of 3 lamps.

- **Attention**

There is no spare parts inside the lamp, please do not open the shell without authorisation. Please contact the nearest technical service centre if necessary.

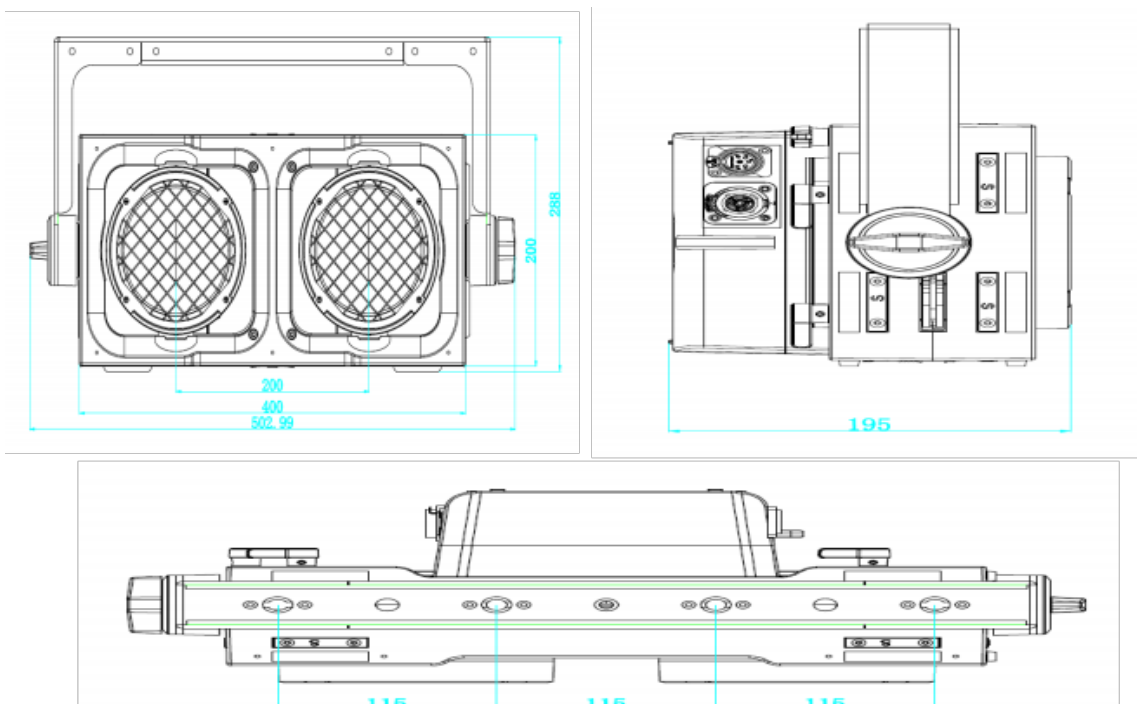
- **Installation**

The fixtures should be mounted to the bracket. Make sure the installation is strong enough to prevent flicking and sliding at run time. Also, make sure the fixtures are stable and support the weight of more than 10 times the equipment. At the same time, when the installation of the equipment, it can be used up to 12 times the product of the weight of the safety rope.

Equipment must be installed by professionals.

2. Technical specifications

- Powersupply: AC100-240V,50Hz-60Hz Power consumption: 450W
- Lightsource: 2*300W LED (COB) RGBAW 5in1
- DMX Control 1/2/4/9/6/6/10/13/22/24/33/10/12/17/28/41 Channels
- 0~100% smooth dimming, strobe with variable speed and duration
- Modes of operation: DMX, Auto, Master/Slave, RDM compatible
- Display: LCD Display with touch buttons
- BeamAngle: 120°
- Cover: Casting Aluminium
- Protection rate: IP65
- Working environment: -10° - +40°
- Weight:9.5kg
- Product Size: 502.9×288×195mm (L*W*H)
- Carton Size:52.5×33.5×27.5mm (L*W*H)



3. Setup

Control Panel



○₁ **LCD**: Displays menu options and selected features;

○₂ **Button** :

| | |
|--------------|---------------------------------|
| MENU | Select Function |
| DOWN | Select the next menu option |
| UP | Select the previous menu option |
| ENTER | Confirm the selected function |

○₃ **POWERCON** Input: connect lamp to supply power;

○₄ **POWERCON** Output: connect the next lamp and provide power;

○₅ **DMX** Input: input **DMX** signal using **3-core XLR** signal line;

○₆ **DMX** Output: connect the next lamp with the **3-core XLR** signal line and output the **DMX** signal;

Main Function

To select a preset feature, press the **MENU** button to select the **MENU** option you want. Press **ENTER** button to ENTER the selected function, the display screen will blink, then Use the **UP/DOWN** button to select the desired function, press **ENTER** button to confirm. To return to the main **MENU**, press the **MENU** button.

The main functions are shown below Unlock Password: "UP-DOWN-UP-DOWN"

When the display is black, please press the "MODE" for a few seconds to display the page

| Main interface | Level 1 menu | Level 2 menu | Level 3 menu | Description |
|--|--------------|--------------------------|--------------|---|
| When receiving a DMX signal, the screen displays "*". On this interface, the DMX address can be adjusted | DMX Mode | 1CH DWE | | 1-10 00: Not executing the effect |
| | | 2CH DWE | | |
| | | 4CH DWE | | |
| | | 9CH DWE+ | | |
| | | 6CH STROBE | | |
| | | 6CH RGB | | |
| | | 10CH BASIC RGB | | |
| | | 14CH BASIC RGB | | |
| | | 13CH STANDARD RGB | | |
| | | 22CH STANDARD RGB | | |
| | | 24CH STANDARD RGB | | |
| | | 33CH STANDARD RGB | | |
| | | 10CH DIRECT | | |
| | | 12CH DIRECT | | |
| 17CH DIRECT | | | | |
| 28CH DIRECT | | | | |
| 41CH DIRECT | | | | |
| The effect of execution can be adjusted on this interface | Auto | Dimmer 100 | | 00-100: Various effects |
| | | Effect 00 | | |
| | | Speed 100 | | 000-100 |
| On this interface, the overall dimming can be adjusted | Quick Color | Dimmer 100 | | 000-100 |
| | | Shutter 255 | | 000-255 (Refer to the flicker explanation of channel mode) |
| | | Red 000 | | 000-255 |
| | | Green 000 | | 000-255 |
| | | Blue 000 | | 000-255 |
| | | Amber 000 | | 000-255 |
| | | White 000 | | 000-255 |
| On this | Color Macro | Dimmer 100 | | 000-100 |

| | | | | |
|---|---------------|-----------------------|---|--|
| interface, the color paper can be adjusted | | Color Macro 00 | | 00-60 (For the corresponding names of colored paper, please refer to the colored paper table below) |
| Color temperature can be adjusted on this interface | Tunable White | Dimmer 100 | | 000-100 |
| | | CCT 2900K | | 2000K-10000K |
| | | Tint +000 | | -127~+127 Negative values tend to be reddish, positive values tend to be greenish, and 0 represents neutral color |
| On this interface, you can select custom colors that have been programmed | User Color | Color 1 | Dimmer 100 | There are a total of five custom colors, and the operation items are shown in color 1 |
| | | | Shutter 255 | |
| | | | Red 000 | |
| | | | Green 000 | |
| | | | Blue 000 | |
| | | | Amber 000 | |
| | | White 000 | | |
| | | Color 2 | | |
| | | Color 3 | | |
| Color 4 | | | | |
| Color 5 | | | | |
| | Settings | Language | 中文 | The screen display language is Chinese |
| | | | English | The screen display language is English |
| | | MOSI Switch | Off | Do not send host data to slave |
| | | | On | Send host data to slave |
| | | Screensaver | Off | |
| | | | On | Enter screensaver after 30 seconds without button operation |
| | | Screenflip | Off | |
| | | | On | The screen flips and the buttons also flip |
| | | Screenlock | Off | |
| | | | On | Lock after 30 seconds without button operation |
| | | DMX Fail | In DMX mode, the data status of the LED after signal interruption | |
| | | | Clear | The data will be cleared |

| | | | | |
|--|--|---------------|---|--|
| | | | | later |
| | | | Hold | Data hold |
| | | | Lit up | Keep the LED on at the power limit set by the current power setting |
| | | Dimmer Curve | Use the console to execute the power curve for regular dimming, without affecting the dimming, color temperature, color paper, and other modes with bulb effects (if the channel mode itself has a dimming curve, use the dimming curve channel as a guide) | |
| | | | Linear | Linear power curve |
| | | | Square | Square power curve |
| | | | Anti-square | Inverse square power curve |
| | | | S-line | S power curve |
| | | Dimmer Bit | The process of changes in LED bead data | |
| | | | 8Bit | Direct switching of LED data |
| | | | 16Bit | Smooth conversion of LED bead data |
| | | Dimmer Resp. | The speed of light changes (if the channel mode itself has a dimming speed, use the dimming speed channel as a guide) | |
| | | | Led | |
| | | | Medium | |
| | | | Halogen | |
| | | LED Frequency | 1kHz | |
| | | | 2kHz | |
| | | | 4kHz | |
| | | | 12kHz | |
| | | | 16kHz | |
| | | | 25kHz | |
| | | Redshift | Only applicable to color temperatures between 2700K-3500K | |
| | | | Off | |
| | | | On | |
| | | Fan | Auto | If the temperature control resistor is not connected, the fan will rotate when the LED |
| | | | Silent | |

| | | | | | |
|-------------|---------------|---|---|---|--|
| | | | | lights up. After connecting the temperature control resistor, when the temperature exceeds 44 °C, the fan rotates; When the temperature drops below 40 °C, the fan stops. The “automatic” speed can reach the maximum speed, while the “silent” speed is lower | |
| | | | Off | | |
| | | | Max.Power | | |
| | | Invert Mapping | The direction of running and dimming of the lamp beads | | |
| | | | Off | | |
| | | | On | | |
| | | LED Mode | Set the power limit in the background to full power | | |
| | | | Lower Power | | |
| | | | High Power | | |
| | | Restore | Factory reset, backend parameters and language settings are not restored, and the interface jumps to the main interface | | |
| | | | Off | | |
| | | | On | | |
| System Info | Firmware VER | 250213D5V1 | | | |
| | RDM ID | | Each device has a different ID number, consisting of 6 hexadecimal digits | | |
| | Temperature | LED1 : xx °C/xx°F LED2 : xx °C/xx°F MAX: xx °C/xx°F | | | |
| | Power on time | 0 : 00 | | | |
| | LED on time | LED1 : 0 : 00 LED2 : 0 : 00 | | | |
| | Fan state | | | | |
| | Errors | | If the temperature control resistor detection fails, the failed temperature control will be displayed | | |

4. Controlling the fixture

The fixture can be controlled in two ways as below:

1. The Master/Slave Machine Built-in Function.
2. DMX Controller.

No need to turn off the power of the fixture, and the new address code can be set up immediately.

Master/Slave Built-in Function

Many sets of the same fixtures can operate as Master / Slave, with the first sending commands to the others on the same line.

Universal DMX Controller

When using the general DMX control controller to control the fixture, please set the starting address (1-512) for the light to receive the DMX data.

Press the MENU button up to show Address, Press ENTER button to show flashing; Use UP/DOWN button to select address code; Press ENTER to save or not save and return to the last menu; Please click the MENU button to return to the Main Menu.

If you want to use this function, please refer to the DMX512 address of the first 4 fixtures in the diagram below:

| | | | | |
|-------------------------------|------|------|------|----------|
| <i>01CH DWE Mode:</i> | 001、 | 002、 | 003、 | 004..... |
| <i>02CH DWE Mode:</i> | 001、 | 003、 | 005、 | 007..... |
| <i>04CH DWE Mode:</i> | 001、 | 005、 | 009、 | 013..... |
| <i>09CH DWE Mode:</i> | 001、 | 010、 | 019、 | 028..... |
| <i>06CH STROBE Mode:</i> | 001、 | 007、 | 013、 | 019..... |
| <i>06CH RGB Mode:</i> | 001、 | 007、 | 013、 | 019..... |
| <i>10CH BASLC RGB Mode:</i> | 001、 | 011、 | 021、 | 031..... |
| <i>14CH BASLC RGB Mode:</i> | 001、 | 015、 | 029、 | 043..... |
| <i>13CH STD RGB Mode:</i> | 001、 | 014、 | 027、 | 040..... |
| <i>22CH STD RGB Mode:</i> | 001、 | 023、 | 045、 | 067..... |
| <i>24CH EXT RGB RGB Mode:</i> | 001、 | 025、 | 049、 | 073..... |
| <i>3CH EXT RGB RGB Mode:</i> | 001、 | 034、 | 067、 | 100..... |

10CH DIRECT Mode: 001、 011、 021、 031.....

12CH DIRECT Mode: 001、 013、 025、 037.....

17CH DIRECT Mode: 001、 018、 035、 052.....

28CH DIRECT Mode: 001、 029、 057、 085.....

41CH DIRECT Mode: 001、 042、 083、 124.....

5. DMX512 Channels

After powering on, connect to the console. When the DMX512 console signal is not received, an "X" appears behind the DMX ADDR menu. When the DMX512 console signal is received, the "X" behind the DMX ADDR menu will automatically disappear, and then the control console signal will be controlled.

In the address code state, if there is no access console after multi-machine connection, the master-slave online function can be activated to operate one of the devices, while the rest devices in the address state follow the host to run programs synchronously. DMX512 signal must be cut off when the master-slave is online.

DMX channel table

| CH | 1CH DWE | 2CH DWE | 4CH DWE | 9CH DWE+ | 6CH STROBE |
|----|---------|---------|-----------------|-----------------|---------------|
| 1 | Dimmer | Dimmer1 | Dimmer 1 | Master Dimmer | Master Dimmer |
| 2 | | Dimmer2 | Dimmer Curve | Shutter | Shutter |
| 3 | | | Dimmer Response | Red | Duration |
| 4 | | | Redshift | Green | Dimmer 1 |
| 5 | | | | Blue | Dimmer 2 |
| 6 | | | | CTC | CTC |
| 7 | | | | Dimmer Curve | |
| 8 | | | | Dimmer Response | |
| 9 | | | | Redshift | |

| CH | 6CH RGB | 10CH BASIC RGB | 14CH BASIC RGB | 13CH STANDARD RGB |
|----|---------|-----------------------|-----------------------|-------------------|
| 1 | Red 1 | Master Dimmer | Master Dimmer | Master Dimmer |
| 2 | Green 1 | Shutter | Master Dimmer Fine | Shutter |
| 3 | Blue 1 | Red | Shutter | Dimmer 1 |
| 4 | Red 2 | Green | Red | Red 1 |
| 5 | Green 2 | Blue | Red Fine | Green 1 |
| 6 | Blue 2 | CTC | Green | Blue 1 |
| 7 | | Tint | Green Fine | Dimmer 2 |
| 8 | | Color Macro | Blue | Red 2 |
| 9 | | Color Macro Crossfade | Blue Fine | Green 2 |
| 10 | | Device Settings | CTC | Blue 2 |
| 11 | | | Tint | CTC (all) |
| 12 | | | Color Marco | Tint (all) |
| 13 | | | Color Macro Crossfade | Device Settings |
| 14 | | | Device Settings | |

| CH | 22CH STANDARD | 24CH EXTENDED | 33CH EXTENDED |
|----|--------------------|-------------------------|-------------------------|
| 1 | Master Dimmer | Master Dimmer | Master Dimmer |
| 2 | Master Dimmer Fine | Shutter | Master Dimmer Fine |
| 3 | Shutter | Duration | Shutter |
| 4 | Dimmer 1 | Dimmer 1 | Duration |
| 5 | Dimmer 1 Fine | Red 1 | Dimmer 1 |
| 6 | Red 1 | Green 1 | Dimmer 1 Fine |
| 7 | Red 1 Fine | Blue 1 | Red 1 |
| 8 | Green 1 | CTC 1 | Red 1 Fine |
| 9 | Green 1 Fine | Tint 1 | Green 1 |
| 10 | Blue 1 | Color Macro 1 | Green 1 Fine |
| 11 | Blue 1 Fine | Color Macro Crossfade 1 | Blue 1 |
| 12 | Dimmer 2 | Dimmer 2 | Blue 1 Fine |
| 13 | Dimmer 2 Fine | Red 2 | CTC 1 |
| 14 | Red 2 | Green 2 | Tint 1 |
| 15 | Red 2 Fine | Blue 2 | Color Macro 1 |
| 16 | Green 2 | CTC 2 | Color Macro Crossfade |
| 17 | Green 2 Fine | Tint 2 | Dimmer 2 |
| 18 | Blue 2 | Color Macro 2 | Dimmer 2 Fine |
| 19 | Blue 2 Fine | Color Macro Crossfade 2 | Red |
| 20 | CTC (all) | Effec | 2Red 2 Fine |
| 21 | Tint (all) | tDimmer Curve | Green |
| 22 | Device | Dimmer Response | 2Green 2 Fine |
| 23 | Settings | Redshift | Blue |
| 24 | | Device | 2Blue 2 Fine |
| 25 | | Settings | CTC 2 |
| 26 | | | Tint 2 |
| 27 | | | Color Macro 2 |
| 28 | | | Color Macro Crossfade 2 |
| 29 | | | Effec |
| 30 | | | tDimmer Curve |
| 31 | | | Dimmer Response |
| 32 | | | Redshift |
| 33 | | | Device |
| | | | Settings |

| CH | 10CH | 12CH | 17CH | 28CH | 41CH |
|----|---------|-----------------------|---------------|---------------|--------------------|
| 1 | Red 1 | Master Dimmer | Master Dimmer | Master Dimmer | Master Dimmer |
| 2 | Green 1 | Shutter | Shutter | Shutter | Master Dimmer Fine |
| 3 | Blue 1 | Red | Dimmer 1 | Duration | Shutter |
| 4 | Amber 1 | Gree | Red 1 | Dimmer 1 | Duration |
| 5 | White 1 | Blue | Green 1 | Red 1 | Dimmer 1 |
| 6 | Red 2 | Amber | Blue 1 | Green 1 | Dimmer 1 Fine |
| 7 | Green 2 | White | Amber 1 | Blue 1 | Red 1 |
| 8 | Blue 2 | CTC | White 1 | Amber 1 | Red 1 Fine |
| 9 | Amber 2 | Tint | Dimmer 2 | White 1 | Green 1 |
| 10 | White 2 | Color Macro | Red 2 | CTC 1 | Green 1 Fine |
| 11 | | Color Macro Crossfade | Green 2 | Tint 1 | Blue 1 |
| 12 | | Device Settings | Blue 2 | Color Macro 1 | Blue 1 Fine |

| | | | | | |
|----|--|--|-----------------|----------------------------|----------------------------|
| 13 | | | Amber 2 | Color Macro Crossfade 1 | Amber 1 |
| 14 | | | White 2 | Dimmer 2 | Amber 1 Fine |
| 15 | | | CTC (all) | Red 2 | White 1 |
| 16 | | | Tint (all) | Green 2 | White 1 Fine |
| 17 | | | Device Settings | Blue 2 | CTC 1 |
| 18 | | | | Amber 2 | Tint 1 |
| 19 | | | | White 2 | Color Macro 1 |
| 20 | | | | CTC 2 | Color Macro Crossfade 1 |
| 21 | | | | Tint 2 | Dimmer 2 |
| 22 | | | | Color Macro 2 | Dimmer 2 Fine |
| 23 | | | | Color Macro Crossfade 2 | Red 2 |
| 24 | | | / | Effect | Red 2 Fine |
| 25 | | | | Dimmer Curve | Green 2 |
| 26 | | | | Dimmer Response | Green 2 Fine |
| 27 | | | | Redshift | Blue 2 |
| 28 | | | | Device Settings | Blue 2 Fine |
| 29 | | | | | Amber 2 |
| 30 | | | | | Amber 2 Fine |
| 31 | | | | | White 2 |
| 32 | | | | | White 2 Fine |
| 33 | | | | | CTC 2 |
| 34 | | | | | Tint 2 |
| 35 | | | | | Color Macro 2 |
| 36 | | | | | Color Macro Crossfade 2 |
| 37 | | | | | Effect |
| 38 | | | | | Dimmer Curve |
| 39 | | | | | Dimmer Response |
| 40 | | | | | Redshift |
| 41 | | | | | Device Settings |

1CH DWE Channel Description

| CH | Function | Description |
|----|----------|---|
| 1 | Dimmer | Manifested as the current color temperature in color temperature mode |

2CH DWE Channel Description

| CH | Function | Description |
|----|----------|---|
| 1 | Dimmer 1 | Manifested as the current color temperature in color temperature mode |
| 2 | Dimmer 2 | Manifested as the current color temperature in color temperature mode |

4CH DWE Channel Description

| CH | Function | Description |
|----|-----------------|---|
| 1 | Dimmer | Manifested as the current color temperature in color temperature mode |
| 2 | Dimmer Curve | 0-51, Current Preset from Menu Settings 52-101, Linear dimmer curve 102-152, Square dimmer curve 153-203, Anti-square dimmer curve 204-255, S-line dimmer curve |
| 3 | Dimmer Response | 0-63, Current Preset from Menu Settings 64-127, LED/fast 128-191, Medium 192-255, Halogen/slow |
| 4 | Redshift | 0-84, Current Preset from Menu Settings 85-170, Off 171-255, On |

9CH DWE+ Channel Description

| CH | Function | Description |
|----|----------|---|
| 1 | Dimmer | 000-255 Total dimming, from dark to light |

| | | |
|---|------------------|---|
| 2 | Strobe | If the relevant flashing is not executed, the value needs to be adjusted to the "Shutter open" area at least 0-19 , Shutter close 20-24 , Shutter open 25-64 , Normal strobe (fast-slow) 65-69 , Shutter open 70-109 , Opening pulse (fast-slow) 110-114 , Shutter open 115-154 , Closing pulse (fast-slow) 155-159 , Shutter open 160-199 , Random strobe (fast-slow) 200-204 , Shutter open 205-244 , Lightning strobe (fast-slow) 245-255 , Shutter open |
| 3 | R Dimmer | 000-255 R dimming, from dark to light |
| 4 | G Dimmer | 000-255 G dimming, from dark to light |
| 5 | B Dimmer | 000-255 B dimming, from dark to light |
| 6 | CCT(affects RGB) | 000-004,2900K 005-255, 2000K-10000K For every 3-4 increase in push rod value, the color temperature increases by a step of 100K |
| 7 | Dimmer Curve | 0-51, Current Preset from Menu Settings 52-101, Linear dimmer curve 102-152, Square dimmer curve 153-203, Anti-square dimmer curve 204-255, S-line dimmer curve |
| 8 | Dimmer Response | 0-63, Current Preset from Menu Settings 64-127, LED/fast 128-191, Medium 192-255, Halogen/slow |
| 9 | Redshift | 0-84, Current Preset from Menu Settings 85-170, Off 171-255, On |

6CH STROBE Channel Description

| CH | Function | Description |
|----|----------|---|
| 1 | Dimmer | 000-255 Total dimming, from dark to light |
| 2 | Strobe | If the relevant flashing is not executed, the value needs to be adjusted to the "Shutter open" area at least 0-19 , Shutter close 20-24 , Shutter open 25-64 , Normal strobe (fast-slow) 65-69 , Shutter open 70-109 , Opening pulse (fast-slow) 110-114 , Shutter open 115-154 , Closing pulse (fast-slow) 155-159 , Shutter open 160-199 , Random strobe (fast-slow) 200-204 , Shutter open 205-244 , Lightning strobe (fast-slow) 245-255 , Shutter open |

| | | |
|---|----------|---|
| 3 | Duration | Extend the fixture time during flicker, only applicable to the normal flicker of channel 2 (025-064) |
| 4 | Dimmer 1 | 000-255 dimming 1, from dark to light |
| 5 | Dimmer 2 | 000-255 dimming 2, from dark to light |
| 6 | CCT | 000-004,5600K 005-255, 2000K-10000K For every 3-4 increase in push rod value, the color temperature increases by a step of 100K |

6CH RGB Channel Description

| CH | Function | Description |
|----|-----------|--|
| 1 | R1 dimmer | 000-255 R1 dimming, from dark to light |
| 2 | G1 dimmer | 000-255 G1 dimming, from dark to light |
| 3 | B1 dimmer | 000-255 B1 dimming, from dark to light |
| 4 | R2 dimmer | 000-255 R2 dimming, from dark to light |
| 5 | G2 dimmer | 000-255 G2 dimming, from dark to light |
| 6 | B2 dimmer | 000-255 B2 dimming, from dark to light |

100CH BASIC RGB Channel Description

| CH | Function | Description |
|----|----------------------------|---|
| 1 | Dimmer | 000-255 Total dimming, from dark to light |
| 2 | Strobe | If the relevant flashing is not executed, the value needs to be adjusted to the "Shutter open" area at least 0-19, Shutter close 20-24, Shutter open 25-64, Normal strobe (fast-slow) 65-69, Shutter open 70-109, Opening pulse (fast-slow) 110-114, Shutter open 115-154, Closing pulse (fast-slow) 155-159, Shutter open 160-199, Random strobe (fast-slow) 200-204, Shutter open 205-244, Lightning strobe (fast-slow) 245-255, Shutter open |
| 3 | R dimmer | 000-255 R dimming, from dark to light |
| 4 | G dimmer | 000-255 G dimming, from dark to light |
| 5 | B dimmer | 000-255 B dimming, from dark to light |
| 6 | CCT(affectsR GB) | 000-004,5600K 005-255, 2000K-10000K For every 3-4 increase in push rod value, the color temperature increases by a step of 100K |
| 7 | Tint (affects CCT and RGB) | 001-127 ,Magenta->Neutral 0,128 ,Neutral 129-255, Neutral->Green |

| | | |
|----|---|--|
| 8 | Color Macro (override RGB/CCT) | 000,empty 001-255 , Uniformly distribute 60 colored papers, please refer to the color paper table below for details |
| 9 | Color Macro Cross fade (Transition Time between Color Macros) | 000-005,empty 006-255 , The transition time is getting longer and longer |
| 10 | Device Settings | <p>The push rod needs to be pushed for the first time to cause a change in the value before it can be considered as a setting.</p> <p>The following functions require a 3-second pause to take effect</p> <p>000-029 No function 030-034 8bit 035-039 16bit 040-044 No function 045-049 DMX Fail Blackout 050-054 DMX Fail Hold 055-059 DMX Fail - Emergency Light 060-064 No function 065-069 Linear dimming curve 070-074 Square dimming curve 075-079 Anti-square dimming curve 080-084 S dimming curve 085-089 No function 090-094 Dimmer Response fast 095-099 Dimmer Response medium 100-104 Dimmer Response slow(halogen) 105-109 No function 110-114 Redshift on (affects only between 2700-3500K) 115-119 Redshift off 125-139 No function 140-144 LED Frequency 1kHz 145-149 LED Frequency 2kHz 150-154 LED Frequency 4kHz 155-159 LED Frequency 12kHz 160-164 LED Frequency 16kHz 165-169 LED Frequency 25kHz 170-174 No function 175-179 Fan Auto 180-184 Fan Silent 185-189 Fan Off 190-194 Fan High Power 195-199 No function 200-214 Invert Mapping Off 215-219 Invert Mapping On 220-224 No function 225-229 LED Mode - low-power 230-234 LEDMode -High-power 235-239 No function 240-255The current setting is invalid</p> |

14CH BASIC RGB Channel Description

| CH | Function | Description |
|----|--------------------|---|
| 1 | Dimmer | 000-255 Total dimming, from dark to light |
| 2 | Dimmer fine-tuning | 000-255 dimming fine-tuning , from dark to light |
| 3 | Strobe | <p>If the relevant flashing is not executed, the value needs to be adjusted to the "Shutter open" area at least 0-19 , Shutter close 20-24 , Shutter open 25-64 , Normal strobe (fast-slow) 65-69 , Shutter open 70-109 , Opening pulse (fast-slow) 110-114 , Shutter open 115-154 , Closing pulse (fast-slow) 155-159 , Shutter open 160-199 , Random strobe (fast-slow) 200-204 , Shutter open 205-244 , Lightning strobe (fast-slow) 245-255 , Shutter open</p> |

| | | |
|----|---|--|
| 4 | R dimmer | 000-255 R dimming, from dark to light |
| 5 | R dimmer fine-tuning | 000-255 R dimming fine-tuning, from dark to light |
| 6 | G dimmer | 000-255 G dimming, from dark to light |
| 7 | G dimmer fine-tuning | 000-255 G dimming fine-tuning, from dark to light |
| 8 | B dimmer | 000-255 B dimming, from dark to light |
| 9 | B dimmer fine-tuning | 000-255 B dimming fine-tuning, from dark to light |
| 10 | CCT(affects RGB) | 000-004,5600K 005-255, 2000K-10000K For every 3-4 increase in push rod value, the color temperature increases by a step of 100K |
| 11 | Tint (affects CCT and RGB) | 001-127 ,Magenta->Neutral 0,128 ,Neutral 129-255, Neutral->Green |
| 12 | Color Macro (override RGB/CCT) | 000,empty 001-255 , Uniformly distribute 60 colored papers, please refer to the color paper table below for details |
| 13 | Color Macro Cross fade (Transition Time between Color Macros) | 000-005,empty 006-255 , The transition time is getting longer and longer |
| 14 | Device Settings | <p>The push rod needs to be pushed for the first time to cause a change in the value before it can be considered as a setting.</p> <p>The following functions require a 3-second pause to take effect</p> <p>000-029 No function 030-034 8bit 035-039 16bit 040-044 No function 045-049 DMX Fail Blackout 050-054 DMX Fail Hold 055-059 DMX Fail - Emergency Light 060-064 No function 065-069 Linear dimming curve 070-074 Square dimming curve 075-079 Anti-square dimming curve 080-084 S dimming curve 085-089 No function 090-094 Dimmer Response fast 095-099 Dimmer Response medium 100-104 Dimmer Response slow(halogen) 105-109 No function 110-114 Redshift on (affects only between 2700-3500K) 115-119 Redshift off 125-139 No function 140-144 LED Frequency 1kHz 145-149 LED Frequency 2kHz 150-154 LED Frequency 4kHz 155-159 LED Frequency 12kHz 160-164 LED Frequency 16kHz 165-169 LED Frequency 25kHz 170-174 No function 175-179 Fan Auto 180-184 Fan Silent 185-189 Fan Off 190-194 Fan High Power 195-199 No function 200-214 Invert Mapping Off 215-219 Invert Mapping On 220-224 No function 225-229 LED Mode - low-power 230-234 LEDMode -High-power 235-239 No function 240-255The current setting is invalid</p> |

13CH STANDARD RGB Channel Description

| CH | Function | Description |
|----|--------------------------------|---|
| 1 | Dimmer | 000-255 Total dimming, from dark to light |
| 2 | Strobe | If the relevant flashing is not executed, the value needs to be adjusted to the "Shutter open" area at least 0-19, Shutter close 20-24, Shutter open 25-64, Normal strobe (fast-slow) 65-69, Shutter open 70-109, Opening pulse (fast-slow) 110-114, Shutter open 115-154, Closing pulse (fast-slow) 155-159, Shutter open 160-199, Random strobe (fast-slow) 200-204, Shutter open 205-244, Lightning strobe (fast-slow) 245-255, Shutter open |
| 3 | Dimmer 1 | 000-255 dimming 1, from dark to light |
| 4 | R1 dimmer | 000-255 R1 dimming , from dark to light |
| 5 | G1 dimmer | 000-255 G1 dimming , from dark to light |
| 6 | B1 dimmer | 000-255 B1 dimming , from dark to light |
| 7 | Dimmer 2 | 000-255 dimming 2, from dark to light |
| 8 | R2 dimmer | 000-255 R2 dimming , from dark to light |
| 9 | G2 dimmer | 000-255 G2 dimming , from dark to light |
| 10 | B2 dimmer | 000-255 B2 dimming , from dark to light |
| 11 | CCT (affects RGB1+2) | 000-004,5600K 005-255, 2000K-10000K For every 3-4 increase in push rod value, the color temperature increases by a step of 100K |
| 12 | Tint (affects CCT and RGB 1+2) | 001-127 ,Magenta->Neutral 0,128 ,Neutral 129-255, Neutral->Green |
| 13 | Device Settings | The push rod needs to be pushed for the first time to cause a change in the value before it can be considered as a setting. The following functions require a 3-second pause to take effect 000-029 function 030-034 8bit 035-039 16bit 040-044 No function 045-049 DMX Fail Blackout 050-054 DMX F Hold 055-059 DMX Fail - Emergency Light 060-064 function 065-069 Linear dimming curve 070-074 Square dimming curve 075-079 Anti-square dimming curve 080-084 S dimming curve 085-089 function 090-094 Dimmer Response fast 095-099 Dimmer Response medium 100-104 Dimmer Response slow(halogen) 105-109 No function 110-114 Redshift on (affects only between 2700-3500K) 115-119 Redshift off 125-139 No function 140-144 LED Freque 1kHz 145-149 LED Frequency 2kHz 150-154 LED Freque 4kHz 155-159 LED Freque 12kHz 160-164 LED Frequency 16kHz 165-169 LED Frequency 25kHz 170-174 function 175-179 Fan Auto 180-184 Fan Silent 185-189 Fan Off 190-194 Fan High Power 195-199 No function 200-214 Invert Mapping Off 215-219 Invert Mapping On 220-224 No function 225-229 LED Mode - low-power 230-234 LEDMode -High-power 235-239 No function 240-255The current setting is invalid |

22CH STANDARD RGB Channel Description

| CH | Function | Description |
|----|--------------------------------|---|
| 1 | Dimmer | 000-255 Total dimming, from dark to light |
| 2 | Dimmer fine-tuning | 000-255 dimming fine-tuning, from dark to light |
| 3 | Strobe | If the relevant flashing is not executed, the value needs to be adjusted to the "Shutter open" area at least 0-19 , Shutter close 20-24 , Shutter open 25-64 , Normal strobe (fast-slow) 65-69 , Shutter open 70-109 , Opening pulse (fast-slow) 110-114 , Shutter open 115-154 , Closing pulse (fast-slow) 155-159 , Shutter open 160-199 , Random strobe (fast-slow) 200-204 , Shutter open 205-244 , Lightning strobe (fast-slow) 245-255 , Shutter open |
| 4 | Dimmer 1 | 000-255 dimming 1, from dark to light |
| 5 | Dimmer1 fine-tuning | 000-255 dimming 1 fine-tuning, from dark to light |
| 6 | R1 dimmer | 000-255 R1 dimming , from dark to light |
| 7 | R1 dimmer fine-tuning | 000-255 R1 dimming fine-tuning , from dark to light |
| 8 | G1 dimmer | 000-255 G1 dimming , from dark to light |
| 9 | G1 dimmer fine-tuning | 000-255 G1 dimming fine-tuning , from dark to light |
| 10 | B1 dimmer | 000-255 B1 dimming , from dark to light |
| 11 | B1 dimmer fine-tuning | 000-255 B1 dimming fine-tuning , from dark to light |
| 12 | Dimmer 2 | 000-255 dimming 2 , from dark to light |
| 13 | Dimmer2 fine-tuning | 000-255 dimming 2 fine-tuning , from dark to light |
| 14 | R2 dimmer | 000-255 R2 dimming , from dark to light |
| 15 | R1 dimmer fine-tuning | 000-255 R2 dimming fine-tuning , from dark to light |
| 16 | G2 dimmer | 000-255 G2 dimming , from dark to light |
| 17 | G2 dimmer fine-tuning | 000-255 G2 dimming fine-tuning , from dark to light |
| 18 | B2 dimmer | 000-255 B2 dimming , from dark to light |
| 19 | B2 dimmer fine-tuning | 000-255 B2 dimming fine-tuning , from dark to light |
| 20 | CCT(affects RGB 1+2) | 000-004,5600K 005-255, 2000K-10000K For every 3-4 increase in push rod value, the color temperature increases by a step of 100K |
| 21 | Tint (affects CCT and RGB 1+2) | 001-127 ,Magenta->Neutral 0,128 ,Neutral 129-255, Neutral->Green |

| | | |
|----|-----------------|---|
| 22 | Device Settings | <p>The push rod needs to be pushed for the first time to cause a change in the value before it can be considered as a setting.</p> <p>The following functions require a 3-second pause to take effect</p> <p>000-029 function 030-034 8bit 035-039 16bit 040-044 No function 045-049 DMX Fail Blackout 050-054 DMX F Hold 055-059 DMX Fail - Emergency Light 060-064 function 065-069 Linear dimming curve 070-074 Square dimming curve 075-079 Anti-square dimming curve 080-084 S dimming curve 085-089 function 090-094 Dimmer Response fast 095-099 Dimmer Response medium 100-104 Dimmer Response slow(halogen) 105-109 No function 110-114 Redshift on (affects only between 2700-3500K) 115-119 Redshift off 125-139 No function 140-144 LED Freque 1kHz 145-149 LED Frequency 2kHz 150-154 LED Freque 4kHz 155-159 LED Freque 12kHz 160-164 LED Frequency 16kHz 165-169 LED Frequency 25kHz 170-174 function 175-179 Fan Auto 180-184 Fan Silent 185-189 Fan Off 190-194 Fan High Power 195-199 No function 200-214 Invert Mapping Off 215-219 Invert Mapping On 220-224 No function 225-229 LED Mode - low-power 230-234 LEDMode -High-power 235-239 No function 240-255The current setting is invalid</p> |
|----|-----------------|---|

24CH EXTENDED RGB Channel Description

| CH | Function | Description |
|----|----------------------------|--|
| 1 | Dimmer | 000-255 Total dimming, from dark to light |
| 2 | Strobe | <p>If the relevant flashing is not executed, the value needs to be adjusted to the "Shutter open" area at least 0-19, Shutter close 20-24, Shutter open 25-64, Normal strobe (fast-slow) 65-69, Shutter open 70-109, Opening pulse (fast-slow) 110-114, Shutter open 115-154, Closing pulse (fast-slow) 155-159, Shutter open 160-199, Random strobe (fast-slow) 200-204, Shutter open 205-244, Lightning strobe (fast-slow) 245-255, Shutter open</p> |
| 3 | Duration | Extend the fixture time during flicker, only applicable to the normal flicker of channel2 (025-064) |
| 4 | Dimmer 1 | 000-255 dimming , from dark to light |
| 5 | R1 dimmer | 000-255 R1 dimming , from dark to light |
| 6 | G1 dimmer | 000-255 G1 dimming , from dark to light |
| 7 | B1 dimmer | 000-255 B1 dimming , from dark to light |
| 8 | CCT 1(affects RGB 1) | 000-004,5600K 005-255, 2000K-10000K For every 3-4 increase in push rod value, the color temperature increases by a step of 100K |

| | | |
|----|---|--|
| 9 | Tint 1 (affects CCT and RGB 1) | 001-127 ,Magenta->Neutral 0,128 ,Neutral 129-255, Neutral->Green |
| 10 | Color Macro 1 (override RGB / CCT 1) | 000,empty 001-255 , Uniformly distribute 60 colored papers, please refer to the color paper table below for details |
| 11 | Color Macro Cross Fade 1 (Transition Time between Color Macros) | 000-005,empty 006-255 , The transition time is getting longer and longer |
| 12 | Dimmer 2 | 000-255 dimming 2 , from dark to light |
| 13 | R2 dimmer | 000-255 R2 dimming , from dark to light |
| 14 | G2 dimmer | 000-255 G2 dimming , from dark to light |
| 15 | B2 dimmer | 000-255 B2 dimming , from dark to light |
| 16 | CCT 2(affects RGB 2) | 000-004,5600K 005-255, 2000K-10000K For every 3-4 increase in push rod value, the color temperature increases by a step of 100K |
| 17 | Tint 2 (affects CCT and RGB 2) | 001-127 ,Magenta->Neutral 0,128 ,Neutral 129-255, Neutral->Green |
| 18 | Color Macro 2 (override RGB / CCT 2) | 000,empty 001-255 , Uniformly distribute 60 colored papers, please refer to the color paper table below for details |
| 19 | Color Macro Cross Fade 2 (Transition Time between Color Macros) | 000-005,empty 006-255 , The transition time is getting longer and longer |
| 20 | Effect (override RGB 1+2/CCT 1 +2/Color Macro 1 +2) | 000-015, empty 016-039 , effect 1 (from slow to fast) 040-063 , effect 2 (from slow to fast) 064-087 , effect 3 (from slow to fast) 088-111 , effect 4 (from slow to fast) 112-135 , effect 5 (from slow to fast) 136-159 , effect 6 (from slow to fast) 160-183 , effect 7 (from slow to fast) 184-207 , effect 8 (from slow to fast) 208-231 , effect 9 (from slow to fast) 232-255 , effect 10 (from slow to fast) |
| 21 | Dimmer Curve | 0-51, Current Preset from Menu Settings 52-101, Linear dimmer curve 102-152, Square dimmer curve 153-203, Anti-square dimmer curve 204-255, S-line dimmer curve |

| | | |
|----|-----------------|--|
| 22 | Dimmer Response | 0-63, Current Preset from Menu Settings 64-127, LED/fast 128-191, Medium 192-255, Halogen/slow |
| 23 | Redshift | 0-84, Current Preset from Menu Settings 85-170, Off 171-255, On |
| 24 | Device Settings | <p>The push rod needs to be pushed for the first time to cause a change in the value before it can be considered as a setting.</p> <p>The following functions require a 3-second pause to take effect</p> <p>000-029 function 030-034 8bit 035-039 16bit 040-044 No function 045-049 DMX Fail Blackout 050-054 DMX F Hold 055-059 DMX Fail - Emergency Light 060-064 function 065-069 Linear dimming curve 070-074 Square dimming curve 075-079 Anti-square dimming curve 080-084 S dimming curve 085-089 function 090-094 Dimmer Response fast 095-099 Dimmer Response medium 100-104 Dimmer Response slow(halogen) 105-109 No function 110-114 Redshift on (affects only between 2700-3500K) 115-119 Redshift off 125-139 No function 140-144 LED Freque 1kHz 145-149 LED Frequency 2kHz 150-154 LED Freque 4kHz 155-159 LED Freque 12kHz 160-164 LED Frequency 16kHz 165-169 LED Frequency 25kHz 170-174 function 175-179 Fan Auto 180-184 Fan Silent 185-189 Fan Off 190-194 Fan High Power 195-199 No function 200-214 Invert Mapping Off 215-219 Invert Mapping On 220-224 No function 225-229 LED Mode - low-power 230-234 LEDMode -High-power 235-239 No function 240-255The current setting is invalid</p> |

33CH EXTENDED RGB Channel Description

| CH | Function | Description |
|----|--------------------|---|
| 1 | Dimmer | 000-255 dimming , from dark to light |
| 2 | Dimmer fine-tuning | 000-255 dimming fine-tuning , from dark to light |
| 3 | Strobe | <p>If the relevant flashing is not executed, the value needs to be adjusted to the "Shutter open" area at least</p> <p>0-19 , Shutter close 20-24 , Shutter open 25-64 , Normal strobe (fast-slow) 65-69 , Shutter open 70-109 , Opening pulse (fast-slow) 110-114 , Shutter open 115-154 , Closing pulse (fast-slow) 155-159 , Shutter open 160-199 , Random strobe (fast-slow) 200-204 , Shutter open 205-244 , Lightning strobe (fast-slow) 245-255 , Shutter open</p> |

| | | |
|----|---|--|
| 4 | Duration | Extended fixture time during strobe, only normal strobe for channel 2 (025-064) |
| 5 | Dimmer 1 | 000-255 dimming 1 , from dark to light |
| 6 | Dimmer 1 fine-tuning | 000-255 dimming 1 fine-tuning , from dark to light |
| 7 | R1 dimmer | 000-255 R1 dimming , from dark to light |
| 8 | R1 dimmer fine-tuning | 000-255 R1 dimming fine-tuning , from dark to light |
| 9 | G1 dimmer | 000-255 G1 dimming , from dark to light |
| 10 | G1 dimmer fine-tuning | 000-255 G1 dimming fine-tuning , from dark to light |
| 11 | B1 dimmer | 000-255 B1 dimming , from dark to light |
| 12 | B1 dimmer fine-tuning | 000-255 B1 dimming fine-tuning , from dark to light |
| 13 | CCT1(affects RGB 1) | 000-004,5600K 005-255, 2000K-10000K For every 3-4 increase in push rod value, the color temperature increases by a step of 100K |
| 14 | Tint 1 (affects CCT and RGB 1) | 001-127 ,Magenta->Neutral 0,128 ,Neutral 129-255, Neutral->Green |
| 15 | Color Macro 1 (override RGB / CCT 1) | 000,empty 001-255 , Uniformly distribute 60 colored papers, please refer to the color paper table below for details |
| 16 | Color Macro Cross Fade 1 (Transition Time between Color Macros) | 000-005,empty 006-255 , The transition time is getting longer and longer |
| 17 | Dimmer 2 | 000-255 dimming 2 , from dark to light |
| 18 | Dimmer 2 fine-tuning | 000-255 dimming 2 fine-tuning , from dark to light |
| 19 | R1 dimmer | 000-255 R2 dimming , from dark to light |
| 20 | R1 dimmer fine-tuning | 000-255 R2 dimming fine-tuning , from dark to light |
| 21 | G2 dimmer | 000-255 G2 dimming , from dark to light |
| 22 | G2 dimmer fine-tuning | 000-255 G2 dimming fine-tuning , from dark to light |
| 23 | B2 dimmer | 000-255 B2 dimming , from dark to light |
| 24 | B2 dimmer fine-tuning | 000-255 B2 dimming fine-tuning , from dark to light |
| 25 | CCT 2(affects RGB 2) | 000-004,5600K 005-255, 2000K-10000K For every 3-4 increase in push rod value, the color temperature increases by a step of 100K |
| 26 | Tint 2 (affects CCT and RGB 2) | 001-127 ,Magenta->Neutral 0,128 ,Neutral 129-255, Neutral->Green |

| | | |
|----|---|---|
| 27 | Color Macro 2 (override RGB / CCT 2) | 000,empty 001-255 , Uniformly distribute 60 colored papers, please refer to the color paper table below for details |
| 28 | Color Macro Cross Fade 2 (Transition Time between Color Macros) | 000-005,empty 006-255 , The transition time is getting longer and longer |
| 29 | Effect (override RGB 1+2/CCT 1+2/Color Macro 1+2) | 000-015, empty 016-039, effect 1 (from slow to fast) 040-063, effect 2 (from slow to fast) 064-087, effect 3 (from slow to fast) 088-111, effect 4 (from slow to fast) 112-135, effect 5 (from slow to fast) 136-159, effect 6 (from slow to fast) 160-183, effect 7 (from slow to fast) 184-207, effect 8 (from slow to fast) 208-231, effect 9 (from slow to fast) 232-255, effect 10 (from slow to fast) |
| 30 | Dimmer Curve | 0-51, Current Preset from Menu Settings 52-101, Linear dimmer curve 102-152, Square dimmer curve 153-203, Anti-square dimmer curve 204-255, S-line dimmer curve |
| 31 | Dimmer Response | 0-63, Current Preset from Menu Settings 64-127, LED/fast 128-191, Medium 192-255, Halogen/slow |
| 32 | Redshift | 0-84, Current Preset from Menu Settings 85-170, Off 171-255, On |
| 33 | Device Settings | The push rod needs to be pushed for the first time to cause a change in the value before it can be considered as a setting. The following functions require a 3-second pause to take effect 000-029 function 030-034 8bit 035-039 16bit 040-044 No function 045-049 DMX Fail Blackout 050-054 DMX F Hold 055-059 DMX Fail - Emergency Light 060-064 function 065-069 Linear dimming curve 070-074 Square dimming curve 075-079 Anti-square dimming curve 080-084 S dimming curve 085-089 function 090-094 Dimmer Response fast 095-099 Dimmer Response medium 100-104 Dimmer Response slow(halogen) 105-109 No function 110-114 Redshift on (affects only between 2700-3500K) 115-119 Redshift off 125-139 No function 140-144 LED Freque 1kHz 145-149 LED Frequency 2kHz 150-154 LED Freque 4kHz 155-159 LED Freque 12kHz 160-164 LED Frequency 16kHz 165-169 LED Frequency 25kHz 170-174 function 175-179 Fan Auto 180-184 Fan Silent 185-189 Fan Off 190-194 Fan High Power 195-199 No function 200-214 Invert Mapping Off 215-219 Invert Mapping On 220-224 No function 225-229 LED Mode - low-power 230-234 LEDMode -High-power 235-239 No function 240-255The current setting is invalid |

10CH DIRECT Channel Description

| CH | Function | Description |
|----|-----------|---|
| 1 | R1 dimmer | 000-255 R1dimming , from dark to light |
| 2 | G1 dimmer | 000-255 G1dimming , from dark to light |
| 3 | B1 dimmer | 000-255 B1 dimming , from dark to light |
| 4 | A1 dimmer | 000-255 A1 dimming , from dark to light |
| 5 | W1 dimmer | 000-255 W1 dimming , from dark to light |
| 6 | R2 dimmer | 000-255 R2 dimming , from dark to light |
| 7 | G2 dimmer | 000-255 G2 dimming , from dark to light |
| 8 | B2 dimmer | 000-255 B2 dimming , from dark to light |
| 9 | A2 dimmer | 000-255 A2 dimming , from dark to light |
| 10 | W2 dimmer | 000-255 W2 dimming fine-tuning , from dark to light |

12CH DIRECT Channel Description

| CH | Function | Description |
|----|----------------------------|---|
| 1 | Dimmer | |
| 2 | Strobe | If the relevant flashing is not executed, the value needs to be adjusted to the "Shutter open" area at least 0-19 , Shutter close 20-24 , Shutter open 25-64 , Normal strobe (fast-slow) 65-69 , Shutter open 70-109 , Opening pulse (fast-slow) 110-114 , Shutter open 115-154 , Closing pulse (fast-slow) 155-159 , Shutter open 160-199 , Random strobe (fast-slow) 200-204 , Shutter open 205-244 , Lightning strobe (fast-slow) 245-255 , Shutter open |
| 3 | R dimmer | 000-255 R dimming , from dark to light |
| 4 | G dimmer | 000-255 G dimming , from dark to light |
| 5 | B dimmer | 000-255 B dimming , from dark to light |
| 6 | A dimmer | 000-255 A dimming , from dark to light |
| 7 | W dimmer | 000-255 W dimming , from dark to light |
| 8 | CCT(affect sRGB) | 000-004,5600K 005-255, 2000K-10000K For every 3-4 increase in push rod value, the color temperature increases by a step of 100K |
| 9 | Tint (affects CCT and RGB) | 001-127 ,Magenta->Neutral 0,128 ,Neutral 129-255, Neutral->Green |

| | | |
|----|---|--|
| 10 | Color Macro (overrideRGB /CCT) | 000,empty 001-255 , Uniformly distribute 60 colored papers, please refer to the color paper table below for details |
| 11 | Color Macro Cross fade (Transition Time between Color Macros) | 000-005,empty 006-255 , The transition time is getting longer and longer |
| 12 | Device Settings | <p>The push rod needs to be pushed for the first time to cause a change in the value before it can be considered as a setting.</p> <p>The following functions require a 3-second pause to take effect</p> <p>000-029 function 030-034 8bit 035-039 16bit 040-044 No function 045-049 DMX Fail Blackout 050-054 DMX F Hold 055-059 DMX Fail - Emergency Light 060-064 function 065-069 Linear dimming curve 070-074 Square dimming curve 075-079 Anti-square dimming curve 080-084 S dimming curve 085-089 function 090-094 Dimmer Response fast 095-099 Dimmer Response medium 100-104 Dimmer Response slow(halogen) 105-109 No function 110-114 Redshift on (affects only between 2700-3500K) 115-119 Redshift off 125-139 No function 140-144 LED Freque 1kHz 145-149 LED Frequency 2kHz 150-154 LED Freque 4kHz 155-159 LED Freque 12kHz 160-164 LED Frequency 16kHz 165-169 LED Frequency 25kHz 170-174 function 175-179 Fan Auto 180-184 Fan Silent 185-189 Fan Off 190-194 Fan High Power 195-199 No function 200-214 Invert Mapping Off 215-219 Invert Mapping On 220-224 No function 225-229 LED Mode - low-power 230-234 LEDMode -High-power 235-239 No function 240-255The current setting is invalid</p> |

17CH DIRECT Channel Description

| CH | Function | Description |
|----|----------|---|
| 1 | Dimmer | 000-255 dimming , from dark to light |
| 2 | Strobe | <p>If the relevant flashing is not executed, the value needs to be adjusted to the "Shutter open" area at least 0-19 , Shutter close 20-24 , Shutter open 25-64 , Normal strobe (fast-slow) 65-69 , Shutter open 70-109 , Opening pulse (fast-slow) 110-114 , Shutter open 115-154 , Closing pulse (fast-slow) 155-159 , Shutter open 160-199 , Random strobe (fast-slow) 200-204 , Shutter open 205-244 , Lightning strobe (fast-slow) 245-255 , Shutter open</p> |

| | | |
|----|----------------------------------|--|
| 3 | Dimmer 1 | 000-255 dimming 1 , from dark to light |
| 4 | R1 dimmer | 000-255 R1 dimming , from dark to light |
| 5 | G1 dimmer | 000-255 G1 dimming , from dark to light |
| 6 | B1 dimmer | 000-255 B1 dimming , from dark to light |
| 7 | A1 dimmer | 000-255 A1 dimming , from dark to light |
| 8 | W1 dimmer | 000-255 W1 dimming , from dark to light |
| 9 | Dimmer 2 | 000-255 dimming 2 , from dark to light |
| 10 | R2 dimmer | 000-255 R2 dimming , from dark to light |
| 11 | G2 dimmer | 000-255 G2 dimming , from dark to light |
| 12 | B2 dimmer | 000-255 B2 dimming , from dark to light |
| 13 | A2 dimmer | 000-255 A2 dimming , from dark to light |
| 14 | W2 dimmer | 000-255 W2 dimming , from dark to light |
| 15 | CCT(affects RGBAW 1+2) | 000-004,5600K 005-255, 2000K-10000K For every 3-4 increase in push rod value, the color temperature increases by a step of 100K |
| 16 | Tint (affects CCT and RGBAW 1+2) | 001-127 ,Megenta->Neutral 0,128 ,Neutral 129-255, Neutral->Green |
| 17 | Device Settings | <p>The push rod needs to be pushed for the first time to cause a change in the value before it can be considered as a setting.</p> <p>The following functions require a 3-second pause to take effect</p> <p>000-029 function 030-034 8bit 035-039 16bit 040-044 No function 045-049 DMX Fail Blackout 050-054 DMX F Hold 055-059 DMX Fail - Emergency Light 060-064 function 065-069 Linear dimming curve 070-074 Square dimming curve 075-079 Anti-square dimming curve 080-084 S dimming curve 085-089 function 090-094 Dimmer Response fast 095-099 Dimmer Response medium 100-104 Dimmer Response slow(halogen) 105-109 No function 110-114 Redshift on (affects only between 2700-3500K) 115-119 Redshift off 125-139 No function 140-144 LED Freque 1kHz 145-149 LED Frequency 2kHz 150-154 LED Freque 4kHz 155-159 LED Freque 12kHz 160-164 LED Frequency 16kHz 165-169 LED Frequency 25kHz 170-174 function 175-179 Fan Auto 180-184 Fan Silent 185-189 Fan Off 190-194 Fan High Power 195-199 No function 200-214 Invert Mapping Off 215-219 Invert Mapping On 220-224 No function 225-229 LED Mode - low-power 230-234 LEDMode -High-power 235-239 No function 240-255The current setting is invalid</p> |

28CH DIRECT Channel Description

| CH | Function | Description |
|----|---|---|
| 1 | Dimmer | 000-255 dimming , from dark to light |
| 2 | Strobe | If the relevant flashing is not executed, the value needs to be adjusted to the "Shutter open" area at least 0-19 , Shutter close 20-24 , Shutter open 25-64 , Normal strobe (fast-slow) 65-69 , Shutter open 70-109 , Opening pulse (fast-slow) 110-114 , Shutter open 115-154 , Closing pulse (fast-slow) 155-159 , Shutter open 160-199 , Random strobe (fast-slow) 200-204 , Shutter open 205-244 , Lightning strobe (fast-slow) 245-255 , Shutter open |
| 3 | Duration | Extend the fixture time during flicker, only applicable to the normal flicker of channel 2 (025-064) |
| 4 | Dimmer 1 | 000-255 dimming 1 , from dark to light |
| 5 | R1 dimmer | 000-255 R1 dimming , from dark to light |
| 6 | G1 dimmer | 000-255 G1 dimming , from dark to light |
| 7 | B1 dimmer | 000-255 B1 dimming , from dark to light |
| 8 | A1 dimmer | 000-255 A1 dimming , from dark to light |
| 9 | W1 dimmer | 000-255 W1 dimming , from dark to light |
| 10 | CCT 1(affects RGBAW 1) | 000-004,5600K 005-255, 2000K-10000K For every 3-4 increase in push rod value, the color temperature increases by a step of 100K |
| 11 | Tint (affects CCT and RGBAW 1 +2) | 001-127 ,Magenta->Neutral 0,128 ,Neutral 129-255, Neutral->Green |
| 12 | Color Macro 1 (override RGBAW /CCT 1) | 000,empty 001-255 , Uniformly distribute 60 colored papers, please refer to the color paper table below for details |
| 13 | Color Macro Cross Fade 1 (Transition Time between Color Macros) | 000-005,empty 006-255 , The transition time is getting longer and longer |
| 14 | Dimmer 2 | 000-255 dimming 2 , from dark to light |
| 15 | R2 dimmer | 000-255 R2 dimming , from dark to light |
| 16 | G2 dimmer | 000-255 G2 dimming , from dark to light |
| 17 | B2 dimmer | 000-255 B2 dimming , from dark to light |
| 18 | A2 dimmer | 000-255 A2 dimming , from dark to light |

| | | |
|----|---|---|
| 19 | W2 dimmer | 000-255 W2 dimming , from dark to light |
| 20 | CCT 2(affects RGBAW 1) | 000-004,5600K 005-255, 2000K-10000K For every 3-4 increase in push rod value, the color temperature increases by a step of 100K |
| 21 | Tint 2 (affects CCT and RGBAW2) | 001-127 ,Magenta->Neutral 0,128 ,Neutral 129-255, Neutral->Green |
| 22 | Color Macro 2 (override RGBAW / CCT 2) | 000,empty 001-255 , Uniformly distribute 60 colored papers, please refer to the color paper table below for details |
| 23 | Color Macro Cross Fade 2 (Transition Time between Color Macros) | 000-005,empty 006-255 , The transition time is getting longer and longer |
| 24 | Effect (override RGB 1+2/ CCT or Macro 1 +2) | 000-015, empty 016-039, effect 1 (from slow to fast) 040-063, effect 2 (from slow to fast) 064-087, effect 3 (from slow to fast) 088-111, effect 4 (from slow to fast) 112-135, effect 5 (from slow to fast) 136-159, effect 6 (from slow to fast) 160-183, effect 7 (from slow to fast) 184-207, effect 8 (from slow to fast) 208-231, effect 9 (from slow to fast) 232-255, effect 10 (from slow to fast) |
| 25 | Dimmer Curve | 0-51, Current Preset from Menu Settings 52-101, Linear dimmer curve 102-152 , Square dimmer curve 153-203, Anti-square dimmer curve 204-255 , S-line dimmer curve |
| 26 | Dimmer Response | 0-63, Current Preset from Menu Settings 64-127, LED/fast 128-191, Medium 192-255, Halogen/slow |
| 27 | Redshift | 0-84, Current Preset from Menu Settings 85-170, Off 171-255, On |

| | | |
|----|-----------------|--|
| 28 | Device Settings | <p>The push rod needs to be pushed for the first time to cause a change in the value before it can be considered as a setting. The following functions require a 3-second pause to take effect</p> <p>000-029 function 030-034 8bit 035-039 16bit 040-044 No function 045-049 DMX Fail Blackout 050-054 DMX F Hold 055-059 DMX Fail - Emergency Light 060-064 function 065-069 Linear dimming curve 070-074 Square dimming curve 075-079 Anti-square dimming curve 080-084 S dimming curve 085-089 function 090-094 Dimmer Response fast 095-099 Dimmer Response medium 100-104 Dimmer Response slow(halogen) 105-109 No function 110-114 Redshift on (affects only between 2700-3500K) 115-119 Redshift off 125-139 No function</p> <p>140-144 LED Freque 1kHz 145-149 LED Frequency 2kHz 150-154 LED Freque 4kHz 155-159 LED Freque 12kHz 160-164 LED Frequency 16kHz 165-169 LED Frequency 25kHz 170-174 function 175-179 Fan Auto 180-184 Fan Silent 185-189 Fan Off 190-194 Fan High Power 195-199 No function 200-214 Invert Mapping Off 215-219 Invert Mapping On 220-224 No function 225-229 LED Mode - low-power 230-234 LEDMode -High-power 235-239 No function 240-255The current setting is invalid</p> |
|----|-----------------|--|

41CH DIRECT Channel Description

| CH | Function | Description |
|----|--------------------|---|
| 1 | Dimmer | 000-255 dimming , from dark to light |
| 2 | Dimmer fine-tuning | 000-255 dimming fine-tuning , from dark to light |
| 3 | Strobe | <p>If the relevant flashing is not executed, the value needs to be adjusted to the "Shutter open" area at least 0-19 , Shutter close 20-24 , Shutter open 25-64 , Normal strobe (fast-slow) 65-69 , Shutter open 70-109 , Opening pulse (fast-slow) 110-114 , Shutter open 115-154 , Closing pulse (fast-slow) 155-159 , Shutter open 160-199 , Random strobe (fast-slow) 200-204 , Shutter open 205-244 , Lightning strobe (fast-slow) 245-255 , Shutter open</p> |
| 4 | Duration | Extend the fixture time during flicker, only applicable to the normal flicker of channel 2 (025-064) |

| | | |
|----|---|--|
| 5 | Dimmer 1 | 000-255 dimming 1 , from dark to light |
| 6 | Dimmer 1 fine-tuning | 000-255 dimming 1 fine-tuning, from dark to light |
| 7 | R1 dimmer | 000-255 R1 dimming , from dark to light |
| 8 | R1 dimmer fine-tuning | 000-255 R1 dimming fine-tuning , from dark to light |
| 9 | G1 dimmer | 000-255 G1 dimming , from dark to light |
| 10 | G1 dimmer fine-tuning | 000-255 G1 dimming fine-tuning , from dark to light |
| 11 | B1 dimmer | 000-255 B1 dimming , from dark to light |
| 12 | B1 dimmer fine-tuning | 000-255 B1 dimming fine-tuning , from dark to light |
| 13 | A1 dimmer | 000-255 A1 dimming , from dark to light |
| 14 | A1dimmer fine-tuning | 000-255 A1 dimming fine-tuning , from dark to light |
| 15 | W1 dimmer | 000-255 W1 dimming , from dark to light |
| 16 | W1 dimmer fine-tuning | 000-255 W1 dimming fine-tuning , from dark to light |
| 17 | CCT1(affectsRGBAW 1) | 000-004,5600K 005-255, 2000K-10000K For every 3-4 increase in push rod value, the color temperature increases by a step of 100K |
| 18 | Tint 1 (affects CCT and RGBAW 1) | 001-127 ,Magenta->Neutral 0,128 ,Neutral 129-255, Neutral->Green |
| 19 | Color Macro1 (override RGBAW / CCT 1) | 000,empty 001-255 , Uniformly distribute 60 colored papers, please refer to the color paper table below for details |
| 20 | Color Macro Cross Fade 1 (Transition Time between Color Macros) | 000-005,empty 006-255 , The transition time is getting longer and longer |
| 21 | Dimmer 2 | 000-255 dimming 2 , from dark to light |
| 22 | Dimmer 2 fine-tuning | 000-255 dimming 2 fine-tuning, from dark to light |
| 23 | R2 dimmer | 000-255 R2 dimming , from dark to light |
| 24 | R2 dimmer fine-tuning | 000-255 R2 dimming fine-tuning , from dark to light |
| 25 | G2 dimmer | 000-255 G2 dimming , from dark to light |
| 26 | G2 dimmer fine-tuning | 000-255 G2 dimming fine-tuning , from dark to light |
| 27 | B2 dimmer | 000-255 B2 dimming , from dark to light |
| 28 | B2 dimmer fine-tuning | 000-255 B2 dimming fine-tuning , from dark to light |
| 29 | A2 dimmer | 000-255 A2 dimming , from dark to light |
| 30 | A2 dimmer fine-tuning | 000-255 A2 dimming fine-tuning , from dark to light |

| | | |
|----|---|---|
| 31 | W2 dimmer | 000-255 W2 dimming , from dark to light |
| 32 | W2 dimmer fine-tuning | 000-255 W2 dimming fine-tuning , from dark to light |
| 33 | CCT 2(affects RGBAW 1) | 000-004,5600K 005-255, 2000K-10000K For every 3-4 increase in push rod value, the color temperature increases by a step of 100K |
| 34 | Tint 2 (affects CCT and RGBAW 2) | 001-127 ,Magenta->Neutral 0,128 ,Neutral 129-255, Neutral->Green |
| 35 | Color Macro 2 (override RGBAW /CCT 2) | 000,empty 001-255 , Uniformly distribute 60 colored papers, please refer to the color paper table below for details |
| 36 | Color Macro Cross Fade 2 (Transition Time between Color Macros) | 000-005,empty 006-255 , The transition time is getting longer and longer |
| 37 | Effect (override RGB 1+2/CCT 1 +2/Color Macro 1 +2) | 000-015, empty 016-039, effect 1 (from slow to fast) 040-063, effect 2 (from slow to fast) 064-087, effect 3 (from slow to fast) 088-111, effect 4 (from slow to fast) 112-135, effect 5 (from slow to fast) 136-159, effect 6 (from slow to fast) 160-183, effect 7 (from slow to fast) 184-207, effect 8 (from slow to fast) 208-231, effect 9 (from slow to fast) 232-255, effect 10 (from slow to fast) |
| 38 | Dimmer Curve | 0-51, Current Preset from Menu Settings 52-101, Linear dimmer curve 102-152, Square dimmer curve 153-203, Anti-square dimmer curve 204-255, S-line dimmer curve |
| 39 | Dimmer Response | 0-63, Current Preset from Menu Settings 64-127, LED/fast 128-191, Medium 192-255, Halogen/slow |
| 40 | Redshift | 0-84, Current Preset from Menu Settings 85-170, Off 171-255, On |
| 41 | Device Settings | The push rod needs to be pushed for the first time to cause a change in the value before it can be considered as a setting. |

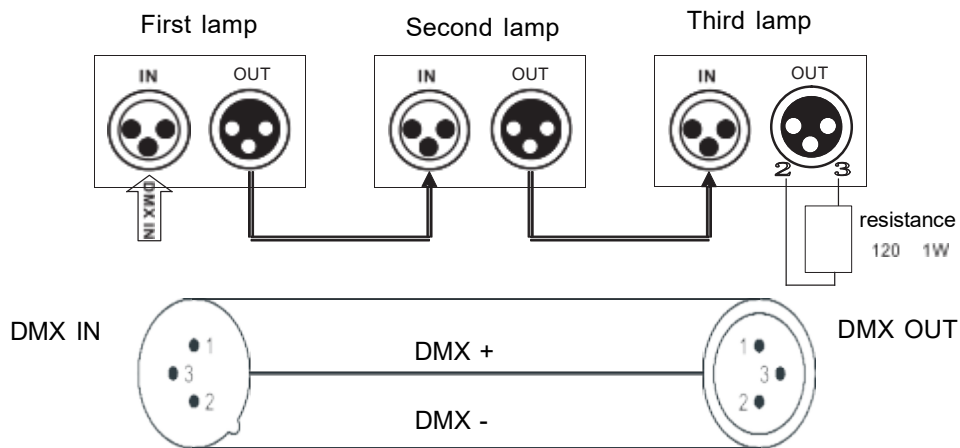
The following functions require a 3-second pause to take effect

000-029 No function
030-034 8bit
035-039 16bit
040-044 No function
045-049 DMX Fail Blackout
050-054 DMX Fail Hold
055-059 DMX Fail - Emergency Light
060-064 No function
065-069 Linear dimming curve
070-074 Square dimming curve
075-079 Anti-square dimming curve
080-084 S dimming curve
085-089 No function
090-094 Dimmer Response fast
095-099 Dimmer Response medium
100-104 Dimmer Response slow(halogen) 105-109 No function
110-114 Redshift on (affects only between 2700-3500K)
115-119 Redshift off
125-139 No function
140-144 LED Frequency 1kHz
145-149 LED Frequency 2kHz
150-154 LED Frequency 4kHz
155-159 LED Frequency 12kHz
160-164 LED Frequency 16kHz
165-169 LED Frequency 25kHz
170-174 No function
175-179 Fan Auto
180-184 Fan Silent
185-189 Fan Off
190-194 Fan High Power
195-199 No function
200-214 Invert Mapping Off
215-219 Invert Mapping On
220-224 No function
225-229 LED Mode - low-power
230-234 LED Mode - High-power
235-239 No function
240-255 The current setting is invalid

COLOR CARD

| VALUE | COLOR | VALUE | COLOR |
|-------|---------------------|-------|------------------------|
| 1 | Oyster white | 31 | Shi Nanzi |
| 2 | Beige | 32 | Dingxiang Blue |
| 3 | golden | 33 | Pearl Purple |
| 4 | Beige color | 34 | Pearl Blackberry |
| 5 | Ivory color | 35 | Pigeon Blue |
| 6 | Light ivory color | 36 | Sky blue |
| 7 | dark yellow | 37 | Light Blue |
| 8 | canary yellow | 38 | Gentian Blue |
| 9 | Light Orange Yellow | 39 | Bright Blue |
| 10 | Yellow Orange | 40 | Changing Blue |
| 11 | Light Orange | 41 | Water Blue |
| 12 | Pure Orange | 42 | Far Blue |
| 13 | Salmon Orange | 43 | wathet |
| 14 | Pearl Orange | 44 | Pearl Gentian Blue |
| 15 | Flame Red | 45 | Pearl Night Blue |
| 16 | Signal red | 46 | patina green |
| 17 | Carmin | 47 | Emerald Green |
| 18 | Ruby Red | 48 | Leaf green |
| 19 | Purple red | 49 | Grass green |
| 20 | Tomato red | 50 | Yellow green |
| 21 | Antique pink | 51 | Green traffic |
| 22 | rose pink | 52 | Fern green |
| 23 | Coral Red | 53 | Opal green |
| 24 | rose | 54 | Light green |
| 25 | Traffic Red | 55 | Pastel turquoise |
| 26 | Purple red | 56 | Silk Grey |
| 27 | Eastern Red | 57 | Cream color |
| 28 | Wine Red | 58 | Signal white |
| 29 | Oxidation Red | 59 | Light brown |
| 30 | Red lilac | 60 | Orange yellow brown |

6. DMX512 Connection



In order to reduce the signal error and avoid signal transmission problems or signal interference, a 120ohm 1/4W resistor can be added between the pin2 and pin3 of DMX connection of the last fixture.



1. Connect the fixture with the XLR signal line, one end receives the outlet of the light, and the other end receives the input port of the next light. XLR signal lines can only be used in series, not in parallel. DMX512 signal transmission is very fast. The signal line is damaged, the welding place is not secure, the contact is not good, it will affect the signal transmission, causing the system to close.
2. When a unit of power supply circuit, DMX output and input is by-pass connection, so that can continue to maintain the DMX line connected.
3. On the last light, the DMX wire needs an amplifier. Welding a 120 - ohm quarter w resistor between pin2 and responsible, within XLR plugs into 3 - pin and insert it in the end of a light DMX.
4. Each light, want to have an address to receive information from the console, range between 0-512 (usually 0 and 1 and 1 equal).
5. The 3-core XLR connector is more common than the 5-core XLR.

3 core XLR: PIN 1: GND, PIN 2: negative signal, PIN 3: positive signal.

5 core XLR: PIN 1: GND, PIN 2: negative signal, PIN 3: positive signal , Pin4/5:unused.

7. Fault Handling

Here are some of the problems that are common in working and some Suggestions for breaking down:

A. Fixture does not work, no light.

1. Check the power contact condition and whether the fuse is in good condition.
2. Detect the voltage.

B. DMX Control fails

1. The DMX indicator must be on. If not, check the DMX signal connector and signal line to see if the connection is correct.
2. If the DMX indicator is on, but there is no response to channel control, and check the address code is set correctly.
3. If the DMX signal transmission is intermittent, check if the Canon is in good connection with the signal line.
4. Try it again with another controller.
5. Check whether the DMX signal line is too close to the high voltage line, which can damage or interfere with the signal circuit.

C. Sound control fails

1. Make sure the light does not receive DMX signal.
2. Check if the microphone for damage.

D. One certain channel does not work

1. The drive line may be damaged or loose.
2. The drive circuit may be damaged.

8. Cleaning and maintenance

Fixtures must be cleaned regularly so that the fixture effect is better. The cleaning frequency depends on the environment. Wet, smoggy, dirtier environments tend to dust the lenses.

- Use a soft linen and a special glass cleaner;
- Carefully wipe the cadres.
- Clean the exterior of the light once every 20 days at least once every 30 days or 60 days.

