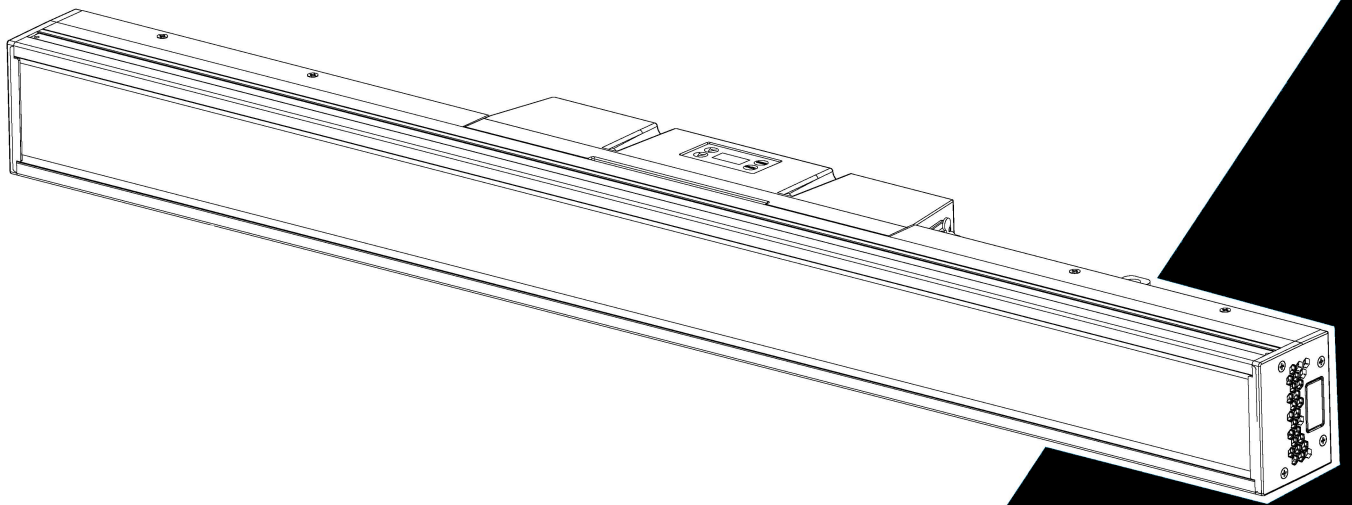


# PIXEL STROBE LINE



**FXLIGHTING**  
FX-LIGHTING.COM

**User Manual**

Please read the instruction carefully before use

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## 01/ Safety Instructions



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

### WARNING

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction manual.

#### Important:

**Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.**

- Unpack and check carefully to ensure that there is no transportation damage before using the unit.
- This product is suitable for wet locations. Do not immerse in water.
- DO install and operate by qualified operator.
- DO NOT allow children to operate the fixture.
- Use safety chain when fixing the unit. Handle the unit by carrying its base instead of head only.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces.
- Be sure that no ventilation slots is blocked, otherwise the unit will be overheated.
- Before operation, ensure that you are connecting this product to the proper voltage in accordance with the specifications in this manual or on the product's specification label.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- Minimum ambient temperature TA: 0°C. Maximum ambient temperature TA: 40°C. Do not operate this product at a lower or higher temperature.
- DO NOT connect the device to any dimmer pack.
- Keep flammable materials away from the fixture while operating to avoid fire hazard.
- Make sure the power cord is not crimped or damaged; replace it immediately if damaged.
- Unit's surface temperature may reach up to 65°C. DO NOT touch the housing bare-handed during its operation.
- Avoid any flammable liquids, water or metal from entering the unit. Once it happens, cut

off the mains power immediately.

- DO NOT operate in a dirty or dusty environment. DO clean the fixture regularly.
- DO NOT touch any wire during operation as there might be a hazard of electric shock.
- Avoid entanglement of the power cord with other wires.
- The minimum distance to objects/surface must be more than 0.5 meters.
- In the event of serious operating problem, stop using the unit immediately.
- Never turn on and off the unit time after time.
- The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.
- DO NOT open the housing as there are no user serviceable parts inside.
- DO NOT attempt to operate this unit if it becomes damaged. DO NOT attempt any repairs yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center if needed.
- Disconnect this product from its power source before servicing.
- DO use the original packaging if the device is to be transported.
- Avoid direct eye exposure to the light source while the product is on.
- DO NOT operate this product if you see damage on the housing, shields, or cables. Have the damaged parts replaced by an authorized technician at once.

## 01/ Consignes de sécurité



Veuillez lire attentivement les instructions qui contiennent des informations importantes sur l'installation, l'utilisation et l'entretien.

### ATTENTION

Veuillez conserver ce guide de l'utilisateur pour une consultation future. Si vous vendez l'appareil à un autre utilisateur, assurez-vous qu'il reçoive également ce manuel d'instructions.

#### Important:

**Les dommages causés par le non-respect de ce manuel d'utilisation ne sont pas couverts par la garantie. Le revendeur n'acceptera aucune responsabilité pour les défauts ou problèmes qui en résultent.**

- Déballez et vérifiez soigneusement qu'il n'y a pas de dommages dus au transport avant d'utiliser l'appareil.
- Ce produit convient aux endroits humides. Ne pas immerger dans l'eau.
- L'installation et la mise en fonctionnement doit être effectué par un opérateur qualifié.
- NE PAS permettre aux enfants d'utiliser l'appareil.
- Utilisez une chaîne de sécurité lors de la fixation de l'unité. Manipulez l'appareil en portant sa base au lieu de la tête uniquement.
- L'unité doit être installée dans un endroit avec une ventilation adéquate, à au moins 50cm des surfaces adjacentes.
- Assurez-vous qu'aucune fente d'aération du luminaire n'est obstruée, sinon il risque de surchauffer.
- Avant toute utilisation, assurez-vous que vous connectez ce luminaire à la tension appropriée conformément aux spécifications que vous trouverez dans ce manuel ou sur l'étiquette des spécifications collée sur la base du luminaire.
- Il est important de relier le fil jaune/vert à la terre afin d'éviter tout choc électrique.
- Température ambiante minimale TA: 0°C. Température ambiante maximale TA: 40°C. N'utilisez pas ce luminaire à des températures inférieures ou supérieures.
- NE PAS connecter le luminaire à un pack de gradateurs.
- Gardez les matériaux inflammables à l'écart du luminaire pendant le fonctionnement pour éviter tout risque d'incendie.

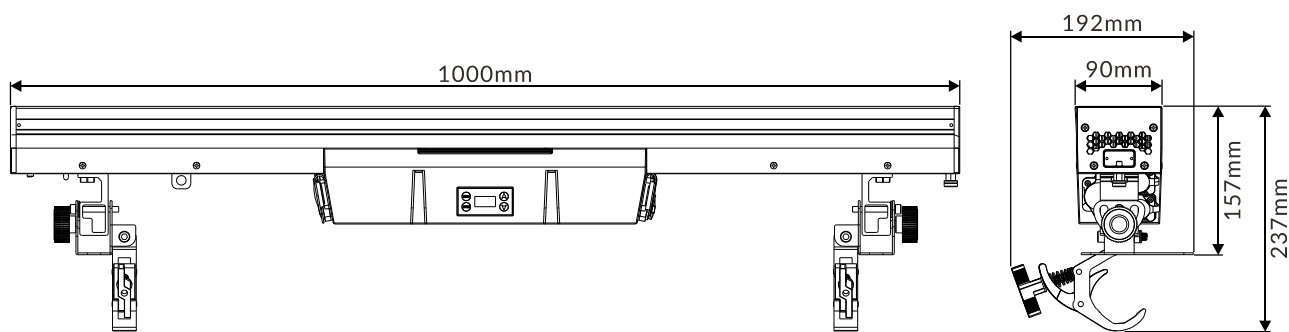
- Assurez-vous que le cordon d'alimentation n'est pas pincé ou endommagé; remplacez-le immédiatement s'il est endommagé.
- La température de surface de l'unité peut atteindre 65°C. NE PAS toucher les capots à mains nues pendant son fonctionnement.
- Évitez que des liquides inflammables, de l'eau ou du métal ne pénètrent dans l'appareil. Si cela se produit, coupez immédiatement l'alimentation secteur.
- NE PAS utiliser le luminaire dans un environnement sale ou poussiéreux. Cette appareil doit être nettoyer régulièrement.
- NE touchez AUCUN file pendant le fonctionnement car il pourrait y avoir un risque de choc électrique.
- Évitez l'enchevêtrement du cordon d'alimentation avec d'autres fils.
- La distance minimale de projection sur des objets ou sur des surfaces doit être supérieure à 0.5 mètres.
- En cas de problème de fonctionnement grave, arrêtez immédiatement d'utiliser l'appareil.
- N'allumez et n'éteignez jamais ce luminaire à maintes reprises.
- Le boîtier, les lentilles ou le filtre ultraviolet doivent être remplacés s'ils sont visiblement endommagés.
- NE PAS ouvrir le boîtier car il ne contient aucune pièce réparable par l'utilisateur.
- NE PAS mettre ce luminaire en fonctionnement s'il est endommagé. N'effectuez pas de réparations vous-même. Les réparations ne doivent être effectuées par des personnes non qualifiées, cela peut entraîner des dommages ou des dysfonctionnements. Veuillez contacter le centre d'assistance technique agréé le plus proche si nécessaire.
- Débranchez ce produit du secteur avant de procéder à l'entretien.
- Utiliser l'emballage d'origine si l'appareil doit être transporté.
- Évitez une exposition directe des yeux à la source lumineuse lorsque le produit est allumé.
- N'utilisez PAS ce produit si vous constatez des dommages sur le boîtier, les blindages ou les câbles. Faites remplacer immédiatement les pièces endommagées par un technicien agréé.

## 02/ Technical Specifications

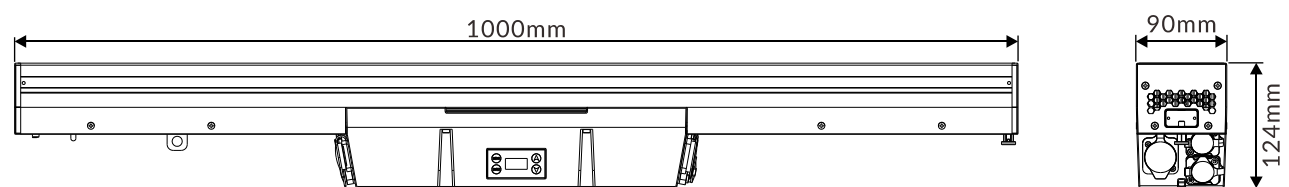
|                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                |                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------|
| Power Voltage                                                                                                                                                                                                                                                                                                                                                                                                                                         | 100-240V~ 50/60Hz                                              |                                            |
| Power Consumption                                                                                                                                                                                                                                                                                                                                                                                                                                     | 420W                                                           |                                            |
| Light Source                                                                                                                                                                                                                                                                                                                                                                                                                                          | 672x0.5W RGB LED                                               |                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 112x3W CW LED                                                  |                                            |
| Beam Angle                                                                                                                                                                                                                                                                                                                                                                                                                                            | 101° (RGB)                                                     |                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 108° (CW)                                                      |                                            |
| Field Angle                                                                                                                                                                                                                                                                                                                                                                                                                                           | 149° (RGB)                                                     |                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 152° (CW)                                                      |                                            |
| Dimmer/Strobe                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0-100% smooth dimming; High output strobe effect               |                                            |
| Control                                                                                                                                                                                                                                                                                                                                                                                                                                               | DMX Channel                                                    | 7/15/21/39/112/17/33/65/68/117/70 Channels |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Control Mode                                                   | DMX512                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                | RDM                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                | Art-Net                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                | sACN                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Firmware Upgrade                                               | Firmware Upgrade via DMX link              |
| Construction                                                                                                                                                                                                                                                                                                                                                                                                                                          | Display                                                        | OLED display                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Data In/Out                                                    | 5-pin IP XLR (3-pin IP XLR is optional)    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                | RJ45 Connector                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Power In/Out                                                   | Waterproof Power Connector in/out          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Protection Rating                                              | IP66                                       |
| <i>Description for power cord set should be used: Listed 5-15P or 6-15P plug molded with SJTW flexible cord with rating: 300V, 105°C, VW-1, 16AWGx3C, molded with attachment plug and cord connector model SAC3FX with rating 250VAC, 16A by NINGBO HAISHU DISTRICT SEETRONIC ELECTRONIC CO. LTD. The length of power cord shall be at least 914mm (It is to be measured from the face of the attachment plug to the face of the Cord Connector).</i> |                                                                |                                            |
| Features                                                                                                                                                                                                                                                                                                                                                                                                                                              | 32 RGB LED zones with individual control                       |                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 16 CW LED zones with individual control                        |                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Outstanding color mixing effect                                |                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Independent frost effect                                       |                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Equipped with an inventive quick-release mechanism that allows |                                            |

|            |                                                                                       |                 |
|------------|---------------------------------------------------------------------------------------|-----------------|
|            | you to quickly connect and align multiple fixtures                                    |                 |
|            | 2 x sliding adjustable clamps for 50mm truss (version with sliding adjustable clamps) |                 |
| Dimensions | 1000x192x237 mm<br>(version with sliding adjustable clamps)                           | 39.4"x7.6"x9.3" |
|            | 1000x90x124 mm<br>(version with omega bracket holes)                                  | 39.4"x3.5"x4.9" |
| Weight     | 8.3 kg<br>(version with sliding adjustable clamps)                                    | 18.3 lbs        |
|            | 7.3 kg<br>(version with omega bracket holes)                                          | 16.1 lbs        |

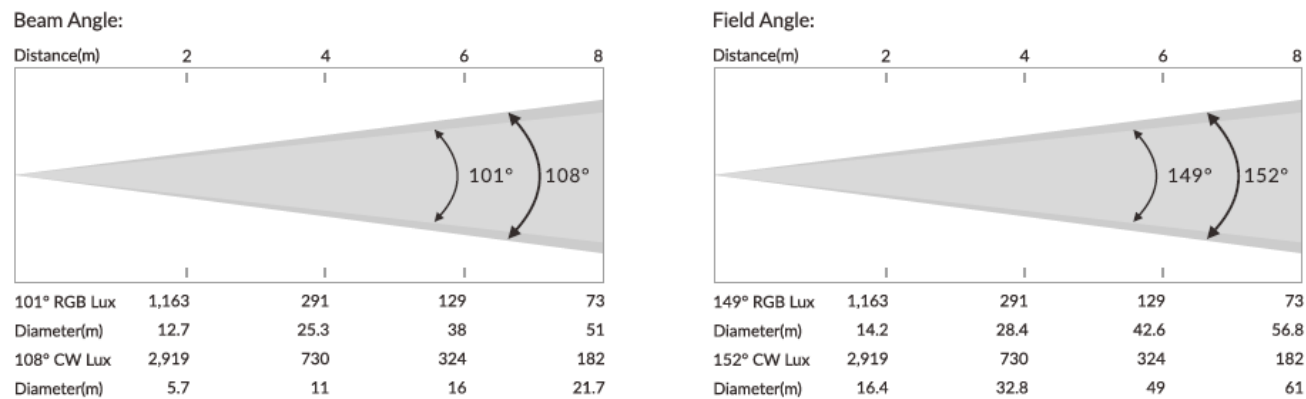
Version with sliding adjustable clamps:



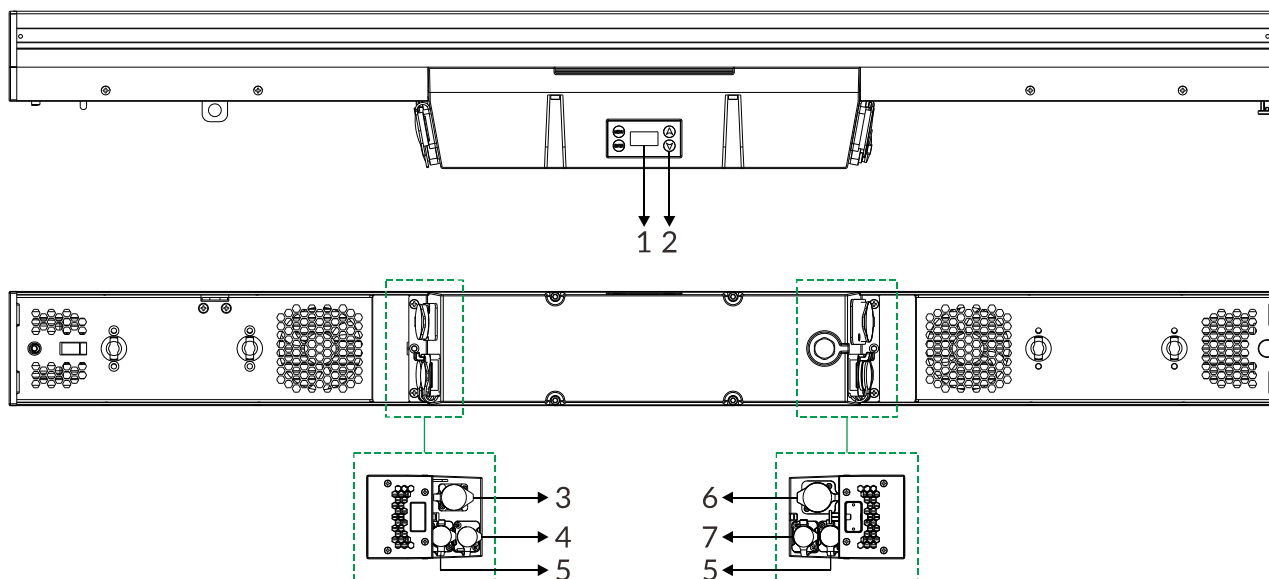
Version with omega bracket holes:



### Photometric Diagram:



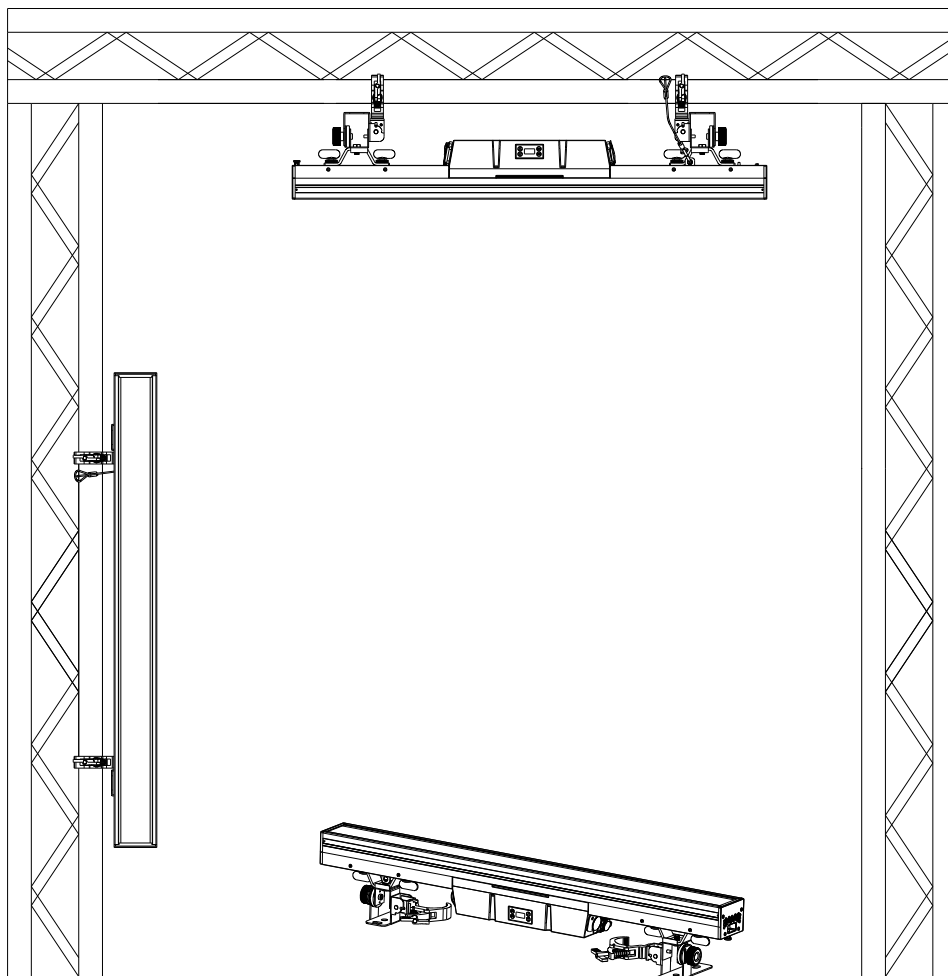
## 03/ Control Panel



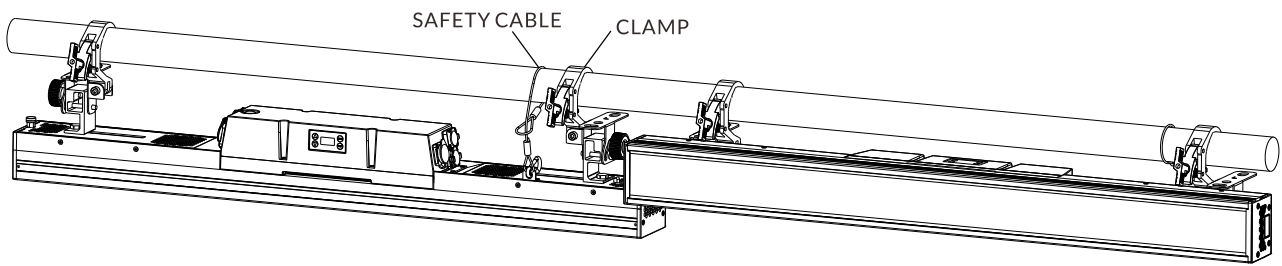
|              |                                                                                                                            |                                               |
|--------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| 1. Display   | To show the various menus and the selected function                                                                        |                                               |
| 2. Buttons   | MENU                                                                                                                       | To enter into move backward or leave the menu |
|              | ▲ UP                                                                                                                       | To go backward to move up in the menu         |
|              | ▼ DOWN                                                                                                                     | To go forward to move down in the menu        |
|              | ENTER                                                                                                                      | To perform the desired functions              |
| 3. POWER IN  | To connect to supply power                                                                                                 |                                               |
| 4. DMX IN    | For DMX512 link, use 5-pin XLR cable to link the unit and DMX controller to input DMX signal (3-pin XLR cable is optional) |                                               |
| 5. ETHERNET  | Transfers fixture's information to a main controller                                                                       |                                               |
| 6. POWER OUT | To connect to the next fixture                                                                                             |                                               |
| 7. DMX OUT   | For DMX512 link, use 5-pin XLR cable to link the next units to output DMX signal (3-pin XLR cable is optional)             |                                               |

## 04/ Fixture Installation

- ▶ DO install and operate by qualified operator. Fixture(s) should be installed in areas outside walking paths, seating areas, or away from areas where unauthorized personnel might reach the fixture by hand. NEVER stand directly below the fixture(s) when rigging, removing or servicing.
- ▶ Always ensure that the unit is firmly fixed to avoid vibration and slipping off during operation. Ensure that the trussing or area of installation must be able to hold 10 times the weight without any deformation. Always attach a safety cable that can hold at least 12 times the weight of the fixture whenever installing this fixture in a suspended environment to ensure that the fixture will not fall if the clamp fails.
- ▶ This fixture is fully operational in three different mounting positions: hanging on trussing, mounted sideways on trussing, or standing on the floor. Always use and install a safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.

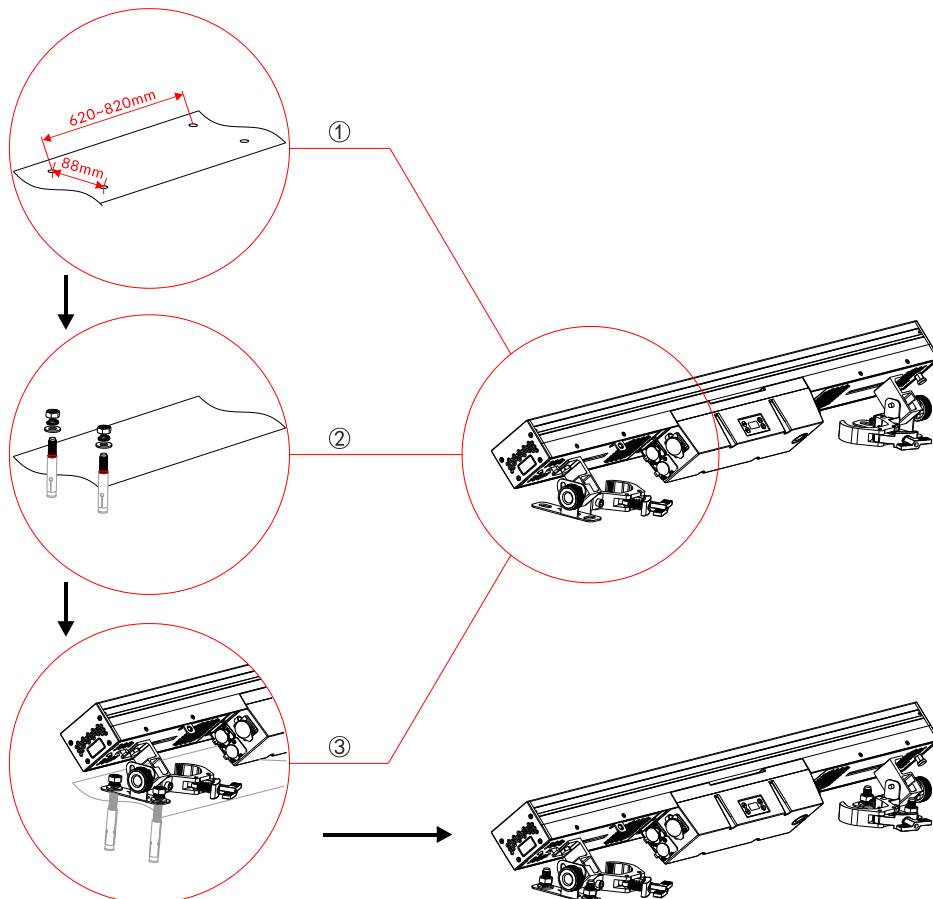


## Hanging the fixture:



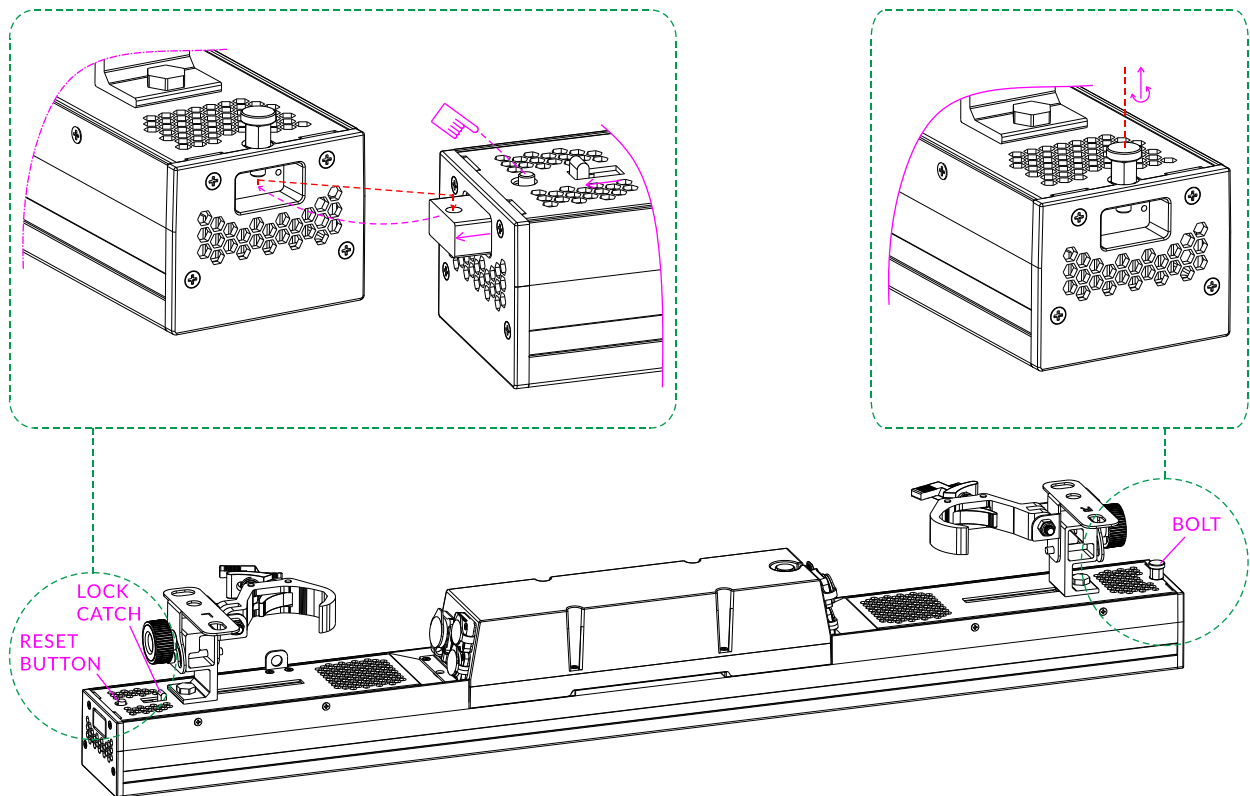
## Stand the fixture on the floor:

1. Drill four expansion screw holes (for M12 expansion screws) on the ground or a wall according to the size shown in Figure ①.
2. As shown in Figure ②, unscrew the washers and nuts of the expansion screws, and insert the expansion screw tubes and screws into the drilled screw holes.
3. As shown in Figure ③, align the holes on the brackets of the fixture with the four screws, then put the washers and nuts of the expansion screws in turn and tighten them with a wrench.
4. After tightening the nuts, check whether the fixture is installed firmly, then adjust the fixture to the required angle through the bracket knob.



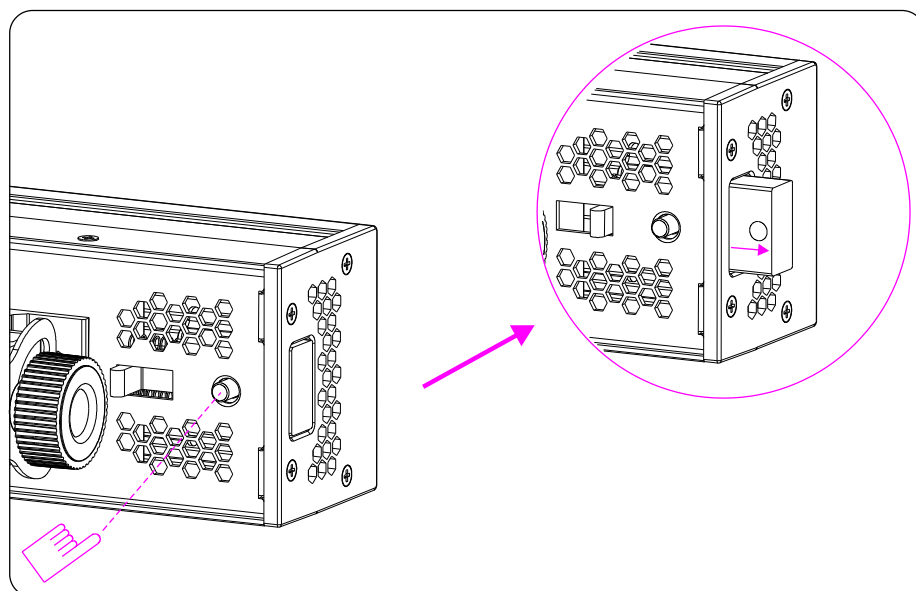
## Connecting and aligning multiple fixtures:

### Introduction:

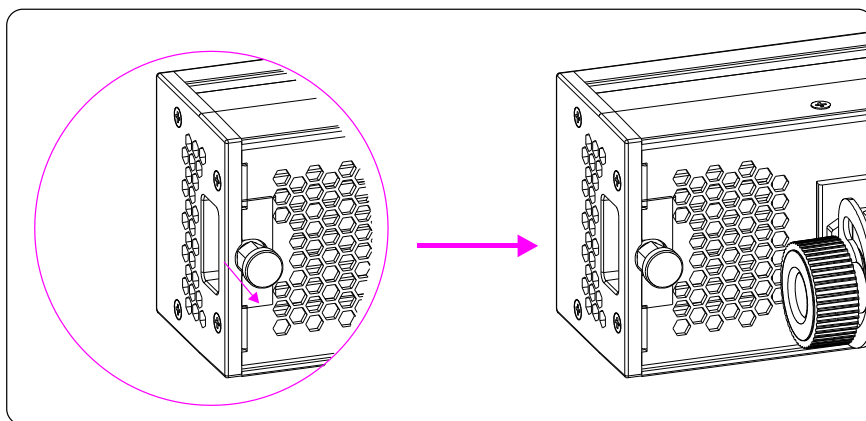


### Steps for connecting and aligning multiple fixtures:

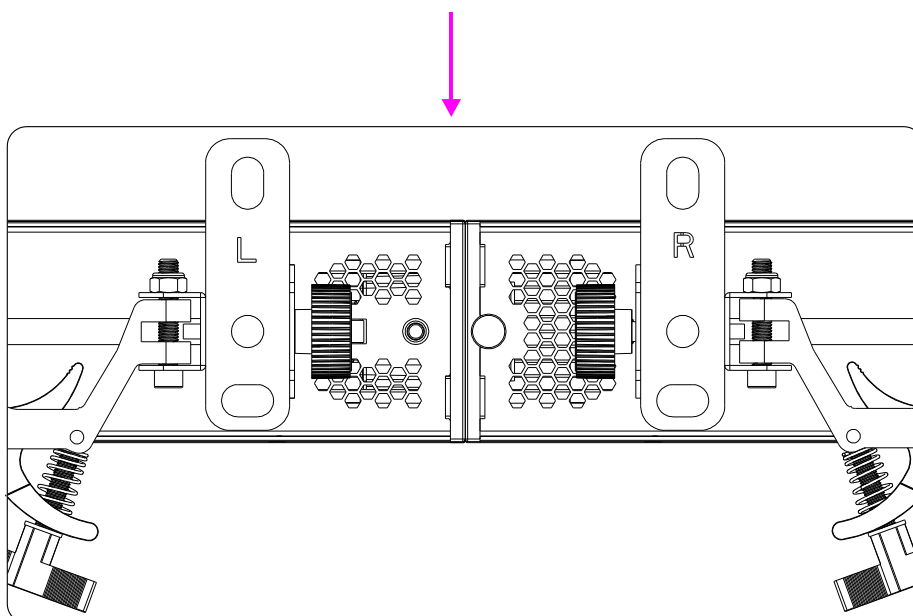
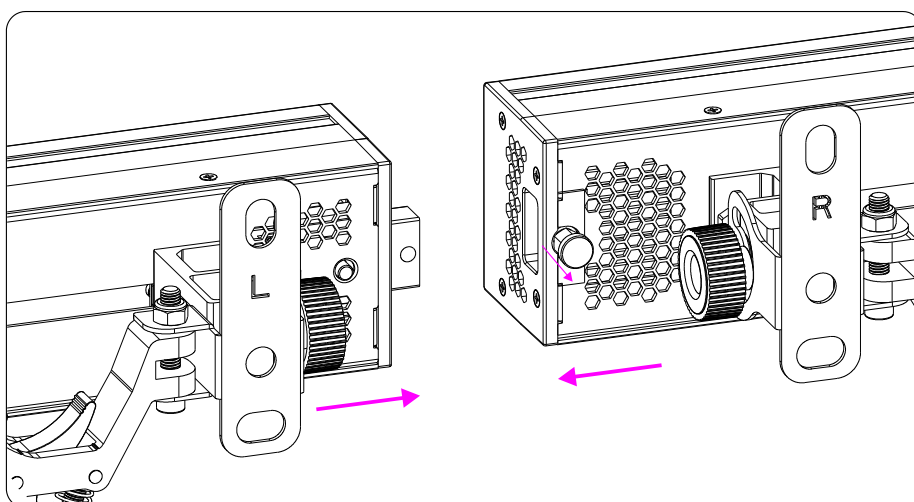
1. Press the reset button and the lock catch will pop up automatically.



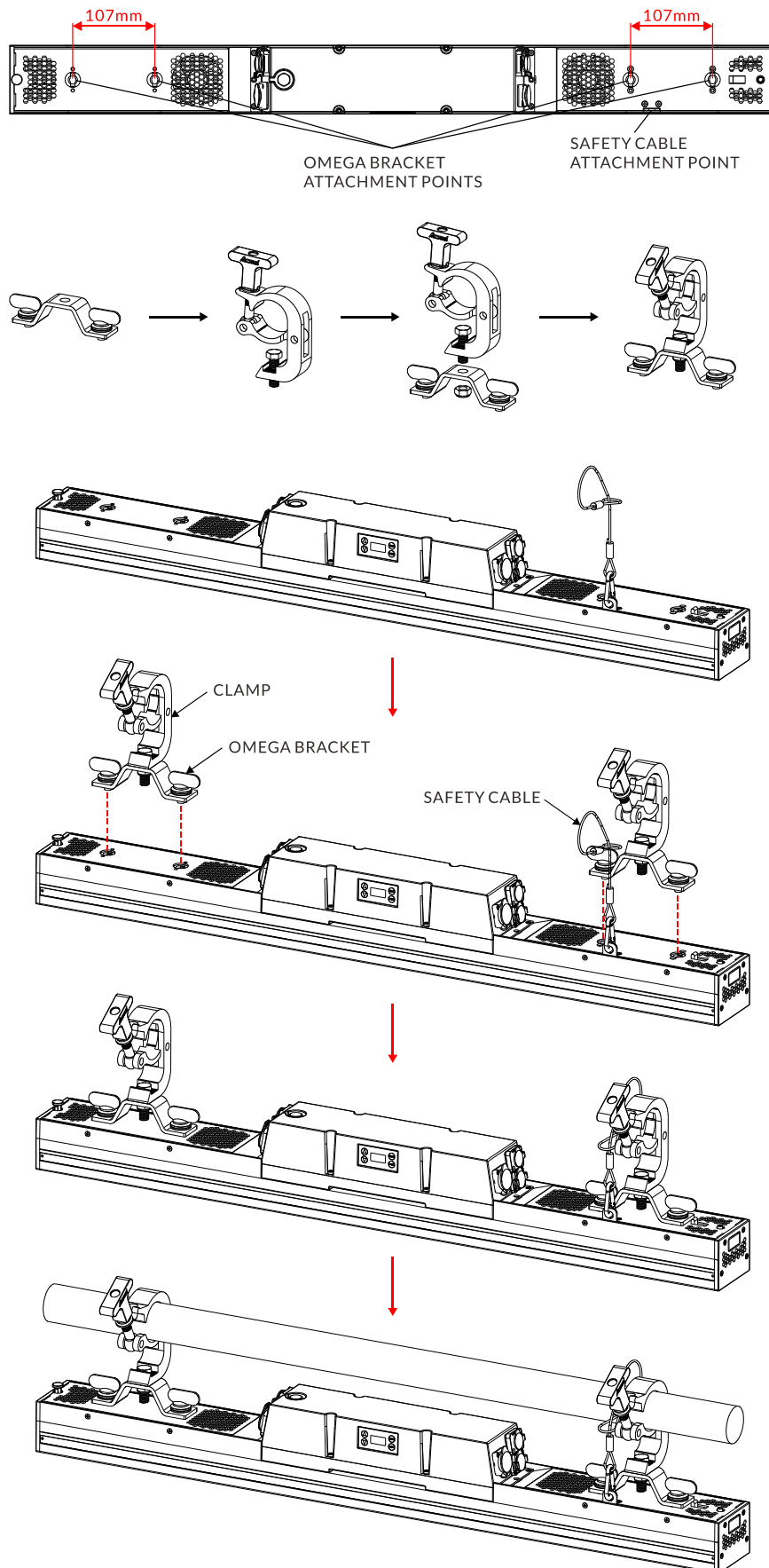
2. Lift the bolt up and rotate it for 90 degrees, then release your hand.



3. Align and splice two fixtures. Lift the bolt up and rotate it for 90 degrees, then release your hand and the bolt will be automatically inserted into the positioning point to lock the two fixtures. Finally, check whether the bolt is locked in place.



## Steps for installing the omega brackets to the fixture:



## 05/ How To Set The Unit

### 5.1 Main Functions

- ▶ To access the control menus, press the [MENU] button.
- ▶ Navigate the menu structure, using the [ENTER], [▲ UP] and [▼ DOWN] buttons.
- ▶ To select a menu option or to confirm a selection, press the [ENTER] button.
- ▶ To return to a higher level in the menu structure without making a change, press the [MENU] button, or wait 30 seconds.

The screen will be automatically locked if there is no operation for a long time, and can be unlocked by long-pressing the [MENU] button.

The main functions are shown below:

| MENU         | SUBMENU      | OPTIONS        |             |
|--------------|--------------|----------------|-------------|
| DMX Settings | DMX Address  | 1-506 (7 CH)   | (Default=1) |
|              |              | 1-498 (15 CH)  |             |
|              |              | 1-492 (21 CH)  |             |
|              |              | 1-474 (39 CH)  |             |
|              |              | 1-401 (112 CH) |             |
|              |              | 1-496 (17 CH)  |             |
|              |              | 1-480 (33 CH)  |             |
|              |              | 1-448 (65 CH)  |             |
|              |              | 1-445 (68 CH)  |             |
|              |              | 1-396 (117 CH) |             |
|              |              | 1-443 (70 CH)  |             |
|              | Channel Mode | 7 CH           |             |
|              |              | 15 CH          |             |
|              |              | 21 CH          |             |
|              |              | 39 CH          |             |
|              |              | 112 CH         |             |
|              |              | 17 CH          |             |
|              |              | 33 CH          |             |
|              |              | 65 CH          |             |
|              |              | 68 CH          |             |
|              |              | 117 CH         |             |
|              |              | 70 CH          |             |
|              |              |                |             |

| MENU             | SUBMENU            | OPTIONS       |                 |              |
|------------------|--------------------|---------------|-----------------|--------------|
|                  | No DMX Status      | Hold          |                 |              |
|                  |                    | Blackout      |                 |              |
|                  |                    | Manual        |                 |              |
|                  | View DMX Value     |               |                 |              |
|                  | Connect Option     | Auto          |                 |              |
|                  |                    | DMX           |                 |              |
|                  |                    | Art-Net       |                 |              |
|                  |                    | sACN          |                 |              |
|                  | Network            | IP Address    | XXX.XXX.XXX.XXX |              |
|                  |                    | Subnet Mask   | XXX.XXX.XXX.XXX |              |
|                  | Art-Net Settings   | Net           | 0-127           | (Default=0)  |
|                  |                    | Sub-Net       | 0-15            | (Default =0) |
|                  |                    | Universe      | 0-15            | (Default =0) |
|                  | sACN Settings      | sACN Universe | 1-32000         | (Default =1) |
| sACN Priority    |                    | 0-200         | (Default =100)  |              |
| Fixture Settings | Dimmer Curve       | Linear        |                 |              |
|                  |                    | Square Law    |                 |              |
|                  |                    | Inv SQ Law    |                 |              |
|                  |                    | S Curve       |                 |              |
|                  | Dimmer Speed       | Fast          |                 |              |
|                  |                    | Smooth        |                 |              |
|                  | White Balance      | Red 1         | 125-255         |              |
|                  |                    | Green 1       | 125-255         |              |
|                  |                    | Blue 1        | 125-255         |              |
|                  |                    | Red 2         | 125-255         |              |
|                  |                    | Green 2       | 125-255         |              |
|                  |                    | Blue 2        | 125-255         |              |
|                  | Invert Pixel Order | Disable       |                 |              |
|                  |                    | Enable        |                 |              |
| Display Settings | Display Invert     | No            |                 |              |
|                  |                    | Yes           |                 |              |
|                  | Temperature Unit   | °C            |                 |              |
|                  |                    | °F            |                 |              |
|                  | Language           | English       |                 |              |
| Chinese          |                    |               |                 |              |
|                  |                    |               |                 |              |

| MENU              | SUBMENU          | OPTIONS         |              |              |
|-------------------|------------------|-----------------|--------------|--------------|
| Fixture Test      | Auto Test        |                 |              |              |
|                   | Manual Mode      | Red             |              | 0-255        |
|                   |                  | Green           |              | 0-255        |
|                   |                  | Blue            |              | 0-255        |
|                   |                  | White           |              | 0-255        |
|                   |                  | Dimmer          |              | 0-255        |
|                   |                  | Dimmer Fine     |              | 0-255        |
|                   |                  | Duration        |              | 0-255        |
|                   |                  | Rate            |              | 0-255        |
|                   |                  | Frost           |              | 0-255        |
| Information       | Fixture Use Hour |                 |              |              |
|                   | LED Use Hour     | Total LED Hour  |              |              |
|                   |                  | LED On Hour     |              |              |
|                   |                  | LED Hours Reset | Password=050 |              |
|                   | Temperature      |                 | Current      | Max temp     |
|                   |                  | LED 1           |              |              |
|                   |                  | LED 2           |              |              |
|                   | Fan State        | LED_Fan_1       |              |              |
|                   |                  | LED_Fan_2       |              |              |
|                   | Firmware Version |                 |              |              |
|                   | RDM UID          |                 |              |              |
|                   | Error Logs       | Fixture Errors  |              |              |
|                   |                  | Reset Error Log | No           |              |
|                   |                  |                 | Yes          | Password=050 |
| Special Functions | Factory Restore  | No              |              |              |
|                   |                  | Yes             |              |              |

## DMX Settings

Enter the control menu and select **DMX Settings**, press ENTER. Use the UP/DOWN button to select **DMX Address**, **Channel Mode**, **No DMX Status**, **View DMX Value**, **Connect Option**, **Network**, **Art-Net Settings** or **sACN Settings**.

### DMX Address

Select **DMX Address**, press ENTER.

Use UP/DOWN button to select an address, confirm your selection with ENTER.

| CHANNEL MODE | DMX ADDRESS |
|--------------|-------------|
| 7 CH         | 1-506       |
| 15 CH        | 1-498       |
| 21 CH        | 1-492       |
| 39 CH        | 1-474       |
| 112 CH       | 1-401       |
| 17 CH        | 1-496       |
| 33 CH        | 1-480       |
| 65 CH        | 1-448       |
| 68 CH        | 1-445       |
| 117 CH       | 1-396       |
| 70 CH        | 1-443       |

To exit the menu, press MENU, or wait 30 seconds.

### Channel Mode

Select **Channel Mode**, press ENTER.

Use UP/DOWN button to select between **7 CH**, **15 CH**, **21 CH**, **39 CH**, **112 CH**, **17 CH**, **33 CH**, **65 CH**, **68 CH**, **117 CH** and **70 CH**, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

## No DMX Status

Select **No DMX Status**, press ENTER.

Use UP/DOWN button to select one of the following status:

**Hold** (The device continues to operate in the current mode with the last active DMX values until the signal returns)

**Blackout** (Fixture blacks out if DMX signal stops)

**Manual** (The device accepts the DMX value stored in the 'Manual Mode' menu)

Confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

## View DMX Value

Select **View DMX Value**, press ENTER.

Use UP/DOWN button to select the desired DMX channel, for which the value is to be displayed.

To exit the menu, press MENU, or wait 30 seconds.

## Connect Option

Select **Connect Option**, press ENTER.

Use UP/DOWN button to select **Auto**, **DMX**, **Art-Net** or **sACN**, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

## Network

Select **Network**, press ENTER.

Use UP/DOWN button to select **IP Address** or **Subnet Mask**, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

## Art-Net Settings

Select **Art-Net Settings**, press ENTER.

Use UP/DOWN button to select **Net**, **Sub-Net** or **Universe**, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

## sACN Settings

Select **sACN Settings**, press ENTER.

Use UP/DOWN button to select **sACN Universe** or **sACN Priority**, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

## Fixture Settings

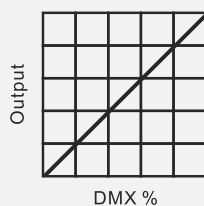
Enter the control menu and select **Fixture Settings**, press ENTER. Use the UP/DOWN button to select **Dimmer Curve**, **Dimmer Speed**, **White Balance** or **Invert Pixel Order**.

### Dimmer Curve

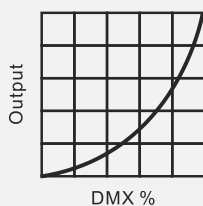
Select **Dimmer Curve**, press ENTER.

Use UP/DOWN button to select **Linear**, **Square Law**, **Inv SQ Law** or **S Curve**, confirm your selection with ENTER.

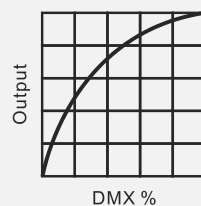
#### Dimmer Modes



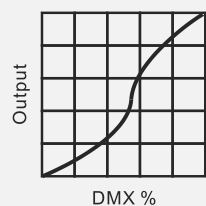
Optically Linear



Square Law



Inverse Square Law



S-curve

To exit the menu, press MENU, or wait 30 seconds.

### Dimmer Speed

Select **Dimmer Speed**, press ENTER.

Use UP/DOWN button to select **Fast** or **Smooth**, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

## White Balance

Select **White Balance**, press ENTER.

Use UP/DOWN button to select **Red 1, Green 1, Blue 1** or **Red 2, Green 2, Blue 2**, confirm your selection with ENTER.

Use UP/DOWN button to select a value between **125** and **255**, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

## Invert Pixel Order

Select **Invert Pixel Order**, press ENTER.

Use UP/DOWN button to select **Disable** or **Enable**, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

## Display Settings

Enter the control menu and select **Display Settings**, press ENTER. Use the UP/DOWN button to select **Display Invert, Temperature Unit** or **Language**.

### Display Invert

Select **Display Invert**, press ENTER.

Use UP/DOWN button to select **No** (display normal) or **Yes** (display inverted), confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

### Temperature Unit

Select **Temperature Unit**, press ENTER.

Use UP/DOWN button to select **°C** or **°F**, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

## Language

Select **Language**, press ENTER.

Use UP/DOWN button to select **English** or **Chinese**, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

## Fixture Test

Enter the control menu and select **Fixture Test**, press ENTER. Use the UP/DOWN button to select **Auto Test** or **Manual Mode**.

### Auto Test

Select **Auto Test**, press ENTER.

The device immediately performs an automatic self-test.

To end the automatic self-test and exit the menu, press MENU, or wait 30 seconds.

### Manual Mode

Select **Manual Mode**, press ENTER.

Use UP/DOWN button to select the channel for which the manual test is to be performed, confirm your selection with ENTER.

Use UP/DOWN button to select a value, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

(The device returns to its original DMX state after the manual test. The test values are saved automatically when the device is switched off.)

## Information

Enter the control menu and select **Information**, press ENTER. Use the UP/DOWN button to select **Fixture Use Hour**, **LED Use Hour**, **Temperature**, **Fan State**, **Firmware Version**, **RDM UID** or **Error Logs**.

## Fixture Use Hour

Select **Fixture Use Hour**, press ENTER.  
The operating hours is displayed.  
To exit the menu, press MENU, or wait 30 seconds.

## LED Use Hour

Select **LED Use Hour**, press ENTER.  
Use UP/DOWN button to select **Total LED Hour** (total time) or **LED On Hour** (current switch-on time), confirm your selection with ENTER.  
The total time or current switch-on time is displayed.  
Use UP/DOWN button to select **LED Hours Reset**, confirm your selection with ENTER.  
Use UP/DOWN button to set the password 050, confirm your selection with ENTER. The LED operating hours is reset.  
To exit the menu, press MENU, or wait 30 seconds.

## Temperature

Select **Temperature**, press ENTER.  
The device temperature is displayed.  
To exit the menu, press MENU, or wait 30 seconds.

## Fan State

Select **Fan State**, press ENTER.  
The fan status is displayed.  
To exit the menu, press MENU, or wait 30 seconds.

## Firmware Version

Select **Firmware Version**, press ENTER.  
The firmware version is displayed.  
To exit the menu, press MENU, or wait 30 seconds.

## RDM UID

Select **RDM UID**, press ENTER.  
The RDM UID is displayed.  
To exit the menu, press MENU, or wait 30 seconds.

## Error Logs

Select **Error Logs**, press ENTER.  
Use UP/DOWN button to select **Fixture Errors**, confirm your selection with ENTER.  
The error list is displayed.  
Use UP/DOWN button to select **Reset Error Log**, confirm your selection with ENTER.  
If you wish to reset the relevant error logs, select **Yes**. If you do not wish to reset anything, select **No**. Confirm your selection with ENTER.  
If you select **Yes**, use UP/DOWN button to set the password 050, confirm your selection with ENTER. The relevant error logs are reset.  
To exit the menu, press MENU, or wait 30 seconds.

## Special Functions

Enter the control menu and select **Special Functions**, press ENTER. Use the UP/DOWN button to select **Factory Restore**.

## Factory Restore

Select **Factory Restore**, press ENTER.  
If you wish to reset the device to the factory settings, select **Yes**. If you do not wish to reset anything, select **No**. Confirm your selection with ENTER.  
To exit the menu, press MENU, or wait 30 seconds.

**RDM functions:** Certain menus of the device and functions can be called up via the RDM protocol.

The parameter IDs are implemented as follows for different commands:

| Parameter ID                | Command<br>'Discovery' | Command<br>'Set' | Command<br>'Get' |
|-----------------------------|------------------------|------------------|------------------|
| DISC_UNIQUE_BRANCH          | ✓                      |                  |                  |
| DISC_MUTE                   | ✓                      |                  |                  |
| DISC_UN_MUTE                | ✓                      |                  |                  |
| DEVICE_INFO                 |                        |                  | ✓                |
| SUPPORTED_PARAMETERS        |                        |                  | ✓                |
| SOFTWARE_VERSION_LABEL      |                        |                  | ✓                |
| DMX_START_ADDRESS           |                        | ✓                | ✓                |
| IDENTIFY_DEVICE             |                        | ✓                | ✓                |
| DEVICE_MODEL_DESCRIPTION    |                        |                  | ✓                |
| PARAMETER_DESCRIPTION       |                        |                  | ✓                |
| MANUFACTURER_LABEL          |                        |                  | ✓                |
| DEVICE_LABEL                |                        | ✓                | ✓                |
| FACTORY_DEFAULTS            |                        | ✓                | ✓                |
| BOOT_SOFTWARE_VERSION_ID    |                        |                  | ✓                |
| BOOT_SOFTWARE_VERSION_LABEL |                        |                  | ✓                |
| DMX_PERSONALITY             |                        | ✓                | ✓                |
| DMX_PERSONALITY_DESCRIPTION |                        |                  | ✓                |
| SENSOR_DEFINITION           |                        |                  | ✓                |
| SENSOR_VALUE                |                        |                  | ✓                |
| DEVICE_HOURS                |                        |                  | ✓                |
| RESET_DEVICE                |                        | ✓                |                  |

✓ -Command implemented for the respective parameter ID

## 5.2 Home Position Adjustment

- ▶ To access the control menus, press the [MENU] button.
- ▶ To access the offset menus, long-press the [ENTER] button.
- ▶ Navigate the offset menus, using the [ENTER], [▲ UP] and [▼ DOWN] buttons.
- ▶ To select a menu option or to confirm a selection, press the [ENTER] button.
- ▶ To return to a higher level in the menu structure without making a change, press the [MENU] button, or wait 30 seconds.

| OFFSET MENU | VALUES |
|-------------|--------|
| RED-A       | 0-255  |
| GREEN-A     | 0-255  |
| BLUE-A      | 0-255  |
| WHITE-A     | 0-255  |
| RED-B       | 0-255  |
| GREEN-B     | 0-255  |
| BLUE-B      | 0-255  |
| WHITE-B     | 0-255  |
| Red 1       | 0-255  |
| Green 1     | 0-255  |
| Blue 1      | 0-255  |
| .....       | .....  |
| Red 32      | 0-255  |
| Green 32    | 0-255  |
| Blue 32     | 0-255  |
| White 1     | 0-255  |
| .....       | .....  |
| White 16    | 0-255  |

### RED-A

Select **RED-A**, press ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

## GREEN-A

Select **GREEN-A**, press ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

## BLUE-A

Select **BLUE-A**, press ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

## WHITE-A

Select **WHITE-A**, press ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

## RED-B

Select **RED-B**, press ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

## GREEN-B

Select **GREEN-B**, press ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

## BLUE-B

Select **BLUE-B**, press ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

## WHITE-B

Select **WHITE-B**, press ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

## Red 1

Select **Red 1**, press ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

## Green 1

Select **Green 1**, press ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

## Blue 1

Select **Blue 1**, press ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

.....

## Red 32

Select **Red 32**, press ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

## Green 32

Select **Green 32**, press ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

## Blue 32

Select **Blue 32**, press ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

## White 1

Select **White 1**, press ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

.....

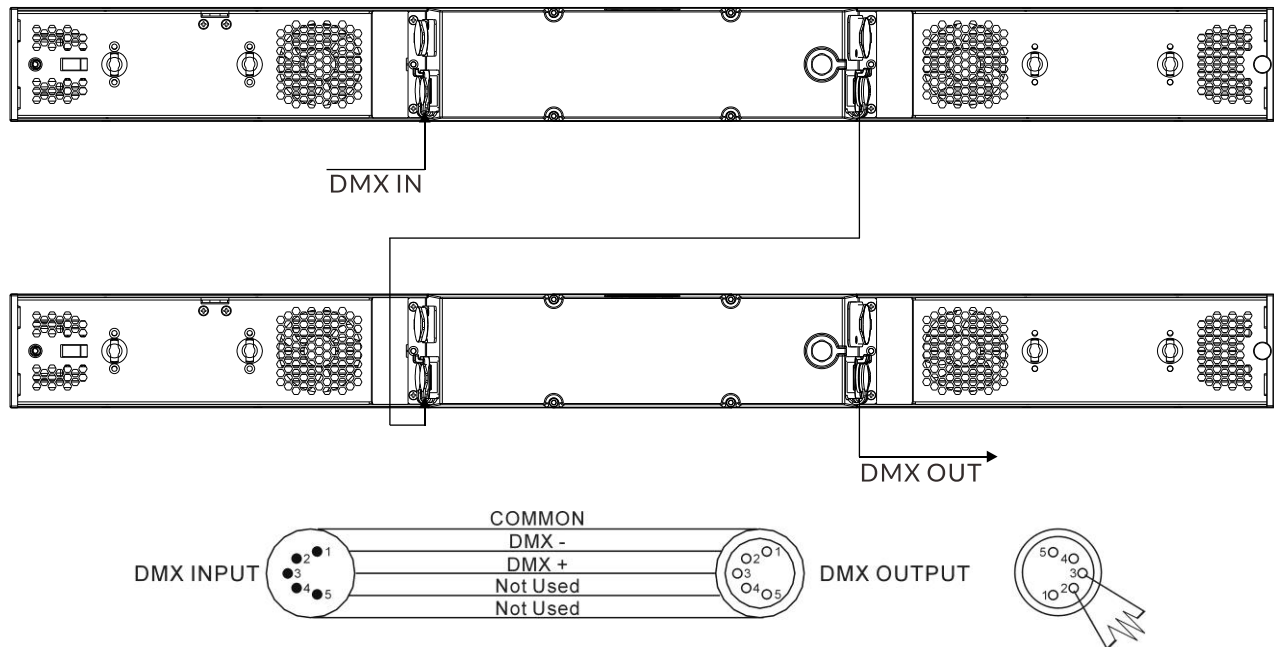
## White 16

Select **White 16**, press ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

### 6.1 DMX512 Connection



1. At last unit, the DMX cable has to be terminated with a terminator. Solder a 120-ohm 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) into a 3-pin XLR-plug and plug it in the DMX-output of the last unit.
2. Connect the unit together in a “daisy chain” by XLR plug cable from the output of the unit to the input of the next unit. The cable can only be used in series and cannot be connected in parallel. DMX 512 is a very high-speed signal. Inadequate or damaged cables, soldered joints or corroded connectors can easily distort the signal and shut down the system.
3. The DMX output and input connectors are pass-through to maintain the DMX circuit, when one of the units' power is disconnected.
4. Each lighting unit needs to have a DMX address to receive the data by the controller. The address number is between 1-512.
5. The end of the DMX 512 system should be terminated to reduce signal errors.
6. When wiring 3 pin XLR connectors: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+). When wiring 5 pin XLR connectors: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+), Pin4, Pin5 not used.

## 6.2 Address Setting

If you use a universal DMX controller to control the units, you have to set DMX address between 1 and 512 so that the units can receive DMX signal.

Press the MENU button to access the control menus, select DMX Settings, press the ENTER button to confirm. Use the UP/DOWN button to select DMX Address, press the ENTER button to confirm, the present address will show on the display. Use the UP/DOWN button to adjust the address between 001 and 512, press the ENTER button to store. To exit the menu, press MENU, or wait 30 seconds.

Please refer to the following diagram to address your DMX512 channel for the first 4 units.

| Channel Mode | Unit 1 Address | Unit 2 Address | Unit 3 Address | Unit 4 Address |
|--------------|----------------|----------------|----------------|----------------|
| 7 channels   | 1              | 8              | 15             | 22             |
| 15 channels  | 1              | 16             | 31             | 46             |
| 21 channels  | 1              | 22             | 43             | 64             |
| 39 channels  | 1              | 40             | 79             | 118            |
| 112 channels | 1              | 113            | 225            | 337            |
| 17 channels  | 1              | 18             | 35             | 52             |
| 33 channels  | 1              | 34             | 67             | 100            |
| 65 channels  | 1              | 66             | 131            | 196            |
| 68 channels  | 1              | 69             | 137            | 205            |
| 117 channels | 1              | 118            | 235            | 352            |
| 70 channels  | 1              | 71             | 141            | 211            |

## 6.3 DMX512 Configuration

Please control the fixture by referring to the configurations below.

Attentions:

- ▶ The unit will maintain the last condition until reset if you cut-off the DMX signal.
- ▶ For the channel Function, keep the value for about 3 seconds, then the corresponding function will take into effect.

### 7 Channels (Mode 1):

| CHANNEL | VALUE              | FUNCTION                  |
|---------|--------------------|---------------------------|
| 1       | 000-255            | RED<br>0%→100%            |
| 2       | 000-255            | GREEN<br>0%→100%          |
| 3       | 000-255            | BLUE<br>0%→100%           |
| 4       | 000-255            | WHITE<br>0%→100%          |
| 5       | 000-005<br>006-255 | DIMMER<br>Null<br>0%→100% |
| 6       | 000-255            | DIMMER FINE               |
| 7       | 000-255            | FROST<br>0%→100%          |

### 15 Channels (Mode 2):

| CHANNEL | VALUE                         | FUNCTION                                  |
|---------|-------------------------------|-------------------------------------------|
| 1       | 000-255                       | RED<br>0%→100%                            |
| 2       | 000-255                       | GREEN<br>0%→100%                          |
| 3       | 000-255                       | BLUE<br>0%→100%                           |
| 4       | 000-255                       | WHITE<br>0%→100%                          |
| 5       | 000-009<br>010-017<br>018-024 | COLOR MACRO<br>Null<br>Color 1<br>Color 2 |

|    |                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                           |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | 025-032<br>033-039<br>040-047<br>048-054<br>055-061<br>062-069<br>070-076<br>077-084<br>085-091<br>092-099<br>100-106<br>107-113<br>114-121<br>122-128<br>129-136<br>137-143<br>144-151<br>152-158<br>159-165<br>166-173<br>174-180<br>181-188<br>189-195<br>196-203<br>204-210<br>211-217<br>218-225<br>226-232<br>233-240<br>241-247<br>248-255 | Color 3<br>Color 4<br>Color 5<br>Color 6<br>Color 7<br>Color 8<br>Color 9<br>Color 10<br>Color 11<br>Color 12<br>Color 13<br>Color 14<br>Color 15<br>Color 16<br>Color 17<br>Color 18<br>Color 19<br>Color 20<br>Color 21<br>Color 22<br>Color 23<br>Color 24<br>Color 25<br>Color 26<br>Color 27<br>Color 28<br>Color 29<br>Color 30<br>Color 31<br>Color 32<br>Color 33 |
| 6  | 000-005<br>006-255                                                                                                                                                                                                                                                                                                                                | <b>DIMMER</b><br>Null<br>0%→100%                                                                                                                                                                                                                                                                                                                                          |
| 7  | 000-255                                                                                                                                                                                                                                                                                                                                           | <b>DIMMER FINE</b>                                                                                                                                                                                                                                                                                                                                                        |
| 8  | 000-255                                                                                                                                                                                                                                                                                                                                           | <b>STROBE DURATION</b>                                                                                                                                                                                                                                                                                                                                                    |
| 9  | 000-006<br>007-255                                                                                                                                                                                                                                                                                                                                | <b>STROBE RATE</b><br>Blackout<br>Strobe from Slow to Fast                                                                                                                                                                                                                                                                                                                |
| 10 | 000-005<br>006-050<br>051-100<br>101-150<br>151-200<br>201-255                                                                                                                                                                                                                                                                                    | <b>STROBE</b><br>Null<br>Ramp up<br>Ramp down<br>Ramp up-down<br>Lightning<br>Random                                                                                                                                                                                                                                                                                      |

|           |         |                                            |
|-----------|---------|--------------------------------------------|
| <b>11</b> | 000-023 | <b>MACRO (RGB)</b><br>Null                 |
|           | 024-031 | Macro 1                                    |
|           | 032-039 | Macro 2                                    |
|           | 040-047 | Macro 3                                    |
|           | 048-055 | Macro 4                                    |
|           | 056-063 | Macro 5                                    |
|           | 064-071 | Macro 6                                    |
|           | 072-079 | Macro 7                                    |
|           | 080-087 | Macro 8                                    |
|           | 088-095 | Macro 9                                    |
|           | 096-103 | Macro 10                                   |
|           | 104-111 | Macro 11                                   |
|           | 112-119 | Macro 12                                   |
|           | 120-127 | Macro 13                                   |
|           | 128-135 | Macro 14                                   |
|           | 136-143 | Macro 15                                   |
|           | 144-151 | Macro 16                                   |
|           | 152-159 | Macro 17                                   |
|           | 160-167 | Macro 18                                   |
|           | 168-175 | Macro 19                                   |
|           | 176-183 | Macro 20                                   |
|           | 184-191 | Macro 21                                   |
|           | 192-199 | Macro 22                                   |
|           | 200-207 | Macro 23                                   |
|           | 208-215 | Macro 24                                   |
|           | 216-223 | Macro 25                                   |
|           | 224-231 | Macro 26                                   |
|           | 232-239 | Macro 27                                   |
|           | 240-247 | Macro 28                                   |
|           | 248-255 | Macro 29                                   |
| <b>12</b> | 000-090 | <b>MACRO (W)</b><br>Null                   |
|           | 091-105 | Macro 1                                    |
|           | 106-120 | Macro 2                                    |
|           | 121-135 | Macro 3                                    |
|           | 136-150 | Macro 4                                    |
|           | 151-165 | Macro 5                                    |
|           | 166-180 | Macro 6                                    |
|           | 181-195 | Macro 7                                    |
|           | 196-210 | Macro 8                                    |
|           | 211-225 | Macro 9                                    |
|           | 226-240 | Macro 10                                   |
|           | 241-255 | Macro 11                                   |
| <b>13</b> | 000-127 | <b>MACRO SPEED</b><br>Normal, Slow to Fast |
|           | 128-255 | Inversion, Slow to Fast                    |

|    |         |                         |
|----|---------|-------------------------|
| 14 | 000-255 | <b>FADE</b><br>0%→100%  |
| 15 | 000-255 | <b>FROST</b><br>0%→100% |

21 Channels (Mode 3):

| CHANNEL | VALUE   | FUNCTION                |
|---------|---------|-------------------------|
| 1       | 000-255 | <b>RED</b><br>0%→100%   |
| 2       | 000-255 | <b>GREEN</b><br>0%→100% |
| 3       | 000-255 | <b>BLUE</b><br>0%→100%  |
| 4       |         | <b>COLOR MACRO</b>      |
|         | 000-009 | Null                    |
|         | 010-017 | Color 1                 |
|         | 018-024 | Color 2                 |
|         | 025-032 | Color 3                 |
|         | 033-039 | Color 4                 |
|         | 040-047 | Color 5                 |
|         | 048-054 | Color 6                 |
|         | 055-061 | Color 7                 |
|         | 062-069 | Color 8                 |
|         | 070-076 | Color 9                 |
|         | 077-084 | Color 10                |
|         | 085-091 | Color 11                |
|         | 092-099 | Color 12                |
|         | 100-106 | Color 13                |
|         | 107-113 | Color 14                |
|         | 114-121 | Color 15                |
|         | 122-128 | Color 16                |
|         | 129-136 | Color 17                |
|         | 137-143 | Color 18                |
|         | 144-151 | Color 19                |
|         | 152-158 | Color 20                |
|         | 159-165 | Color 21                |
|         | 166-173 | Color 22                |
|         | 174-180 | Color 23                |
|         | 181-188 | Color 24                |
|         | 189-195 | Color 25                |
|         | 196-203 | Color 26                |
|         | 204-210 | Color 27                |
|         | 211-217 | Color 28                |
|         | 218-225 | Color 29                |
|         | 226-232 | Color 30                |

|    |                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                           |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | 233-240<br>241-247<br>248-255                                                                                                                                                                                                                                                                         | Color 31<br>Color 32<br>Color 33                                                                                                                                                                                                                                                                                                          |
| 5  | 000-005<br>006-255                                                                                                                                                                                                                                                                                    | <b>DIMMER (RGB)</b><br>Null<br>0%→100%                                                                                                                                                                                                                                                                                                    |
| 6  | 000-255                                                                                                                                                                                                                                                                                               | <b>DIMMER FINE (RGB)</b>                                                                                                                                                                                                                                                                                                                  |
| 7  | 000-255                                                                                                                                                                                                                                                                                               | <b>STROBE DURATION (RGB)</b>                                                                                                                                                                                                                                                                                                              |
| 8  | 000-006<br>007-255                                                                                                                                                                                                                                                                                    | <b>STROBE RATE (RGB)</b><br>Blackout<br>Strobe from Slow to Fast                                                                                                                                                                                                                                                                          |
| 9  | 000-005<br>006-050<br>051-100<br>101-150<br>151-200<br>201-255                                                                                                                                                                                                                                        | <b>STROBE (RGB)</b><br>Null<br>Ramp up<br>Ramp down<br>Ramp up-down<br>Lightning<br>Random                                                                                                                                                                                                                                                |
| 10 | 000-023<br>024-031<br>032-039<br>040-047<br>048-055<br>056-063<br>064-071<br>072-079<br>080-087<br>088-095<br>096-103<br>104-111<br>112-119<br>120-127<br>128-135<br>136-143<br>144-151<br>152-159<br>160-167<br>168-175<br>176-183<br>184-191<br>192-199<br>200-207<br>208-215<br>216-223<br>224-231 | <b>MACRO (RGB)</b><br>Null<br>Macro 1<br>Macro 2<br>Macro 3<br>Macro 4<br>Macro 5<br>Macro 6<br>Macro 7<br>Macro 8<br>Macro 9<br>Macro 10<br>Macro 11<br>Macro 12<br>Macro 13<br>Macro 14<br>Macro 15<br>Macro 16<br>Macro 17<br>Macro 18<br>Macro 19<br>Macro 20<br>Macro 21<br>Macro 22<br>Macro 23<br>Macro 24<br>Macro 25<br>Macro 26 |

|    |                                                                                                                                  |                                                                                                                                                     |
|----|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
|    | 232-239<br>240-247<br>248-255                                                                                                    | Macro 27<br>Macro 28<br>Macro 29                                                                                                                    |
| 11 | 000-127<br>128-255                                                                                                               | <b>MACRO SPEED (RGB)</b><br>Normal, Slow to Fast<br>Inversion, Slow to Fast                                                                         |
| 12 | 000-255                                                                                                                          | <b>FADE (RGB)</b><br>0%→100%                                                                                                                        |
| 13 | 000-005<br>006-255                                                                                                               | <b>DIMMER (W)</b><br>Null<br>0%→100%                                                                                                                |
| 14 | 000-255                                                                                                                          | <b>DIMMER FINE (W)</b>                                                                                                                              |
| 15 | 000-255                                                                                                                          | <b>STROBE DURATION (W)</b>                                                                                                                          |
| 16 | 000-006<br>007-255                                                                                                               | <b>STROBE RATE (W)</b><br>Blackout<br>Strobe from Slow to Fast                                                                                      |
| 17 | 000-005<br>006-050<br>051-100<br>101-150<br>151-200<br>201-255                                                                   | <b>STROBE (W)</b><br>Null<br>Ramp up<br>Ramp down<br>Ramp up-down<br>Lightning<br>Random                                                            |
| 18 | 000-090<br>091-105<br>106-120<br>121-135<br>136-150<br>151-165<br>166-180<br>181-195<br>196-210<br>211-225<br>226-240<br>241-255 | <b>MACRO (W)</b><br>Null<br>Macro 1<br>Macro 2<br>Macro 3<br>Macro 4<br>Macro 5<br>Macro 6<br>Macro 7<br>Macro 8<br>Macro 9<br>Macro 10<br>Macro 11 |
| 19 | 000-127<br>128-255                                                                                                               | <b>MACRO SPEED (W)</b><br>Normal, Slow to Fast<br>Inversion, Slow to Fast                                                                           |
| 20 | 000-255                                                                                                                          | <b>FADE (W)</b><br>0%→100%                                                                                                                          |
| 21 | 000-255                                                                                                                          | <b>FROST</b><br>0%→100%                                                                                                                             |

### 39 Channels (Mode 4):

| CHANNEL | VALUE   | FUNCTION                  |
|---------|---------|---------------------------|
| 1       | 000-255 | <b>RED 1</b><br>0%→100%   |
| 2       | 000-255 | <b>GREEN 1</b><br>0%→100% |
| 3       | 000-255 | <b>BLUE 1</b><br>0%→100%  |
| 4       | 000-255 | <b>RED 2</b><br>0%→100%   |
| 5       | 000-255 | <b>GREEN 2</b><br>0%→100% |
| 6       | 000-255 | <b>BLUE 2</b><br>0%→100%  |
| 7       | 000-255 | <b>RED 3</b><br>0%→100%   |
| 8       | 000-255 | <b>GREEN 3</b><br>0%→100% |
| 9       | 000-255 | <b>BLUE 3</b><br>0%→100%  |
| 10      | 000-255 | <b>RED 4</b><br>0%→100%   |
| 11      | 000-255 | <b>GREEN 4</b><br>0%→100% |
| 12      | 000-255 | <b>BLUE 4</b><br>0%→100%  |
| 13      | 000-255 | <b>RED 5</b><br>0%→100%   |
| 14      | 000-255 | <b>GREEN 5</b><br>0%→100% |
| 15      | 000-255 | <b>BLUE 5</b><br>0%→100%  |
| 16      | 000-255 | <b>RED 6</b><br>0%→100%   |
| 17      | 000-255 | <b>GREEN 6</b><br>0%→100% |
| 18      | 000-255 | <b>BLUE 6</b><br>0%→100%  |
| 19      | 000-255 | <b>RED 7</b><br>0%→100%   |
| 20      | 000-255 | <b>GREEN 7</b><br>0%→100% |
| 21      |         | <b>BLUE 7</b>             |

|    |                                                                |                                                                                            |
|----|----------------------------------------------------------------|--------------------------------------------------------------------------------------------|
|    | 000-255                                                        | 0%→100%                                                                                    |
| 22 | 000-255                                                        | <b>RED 8</b><br>0%→100%                                                                    |
| 23 | 000-255                                                        | <b>GREEN 8</b><br>0%→100%                                                                  |
| 24 | 000-255                                                        | <b>BLUE 8</b><br>0%→100%                                                                   |
| 25 | 000-005<br>006-255                                             | <b>DIMMER (RGB)</b><br>Null<br>0%→100%                                                     |
| 26 | 000-255                                                        | <b>DIMMER FINE (RGB)</b>                                                                   |
| 27 | 000-255                                                        | <b>STROBE DURATION (RGB)</b>                                                               |
| 28 | 000-006<br>007-255                                             | <b>STROBE RATE (RGB)</b><br>Blackout<br>Strobe from Slow to Fast                           |
| 29 | 000-005<br>006-050<br>051-100<br>101-150<br>151-200<br>201-255 | <b>STROBE (RGB)</b><br>Null<br>Ramp up<br>Ramp down<br>Ramp up-down<br>Lightning<br>Random |
| 30 | 000-255                                                        | <b>WHITE 1</b><br>0%→100%                                                                  |
| 31 | 000-255                                                        | <b>WHITE 2</b><br>0%→100%                                                                  |
| 32 | 000-255                                                        | <b>WHITE 3</b><br>0%→100%                                                                  |
| 33 | 000-255                                                        | <b>WHITE 4</b><br>0%→100%                                                                  |
| 34 | 000-005<br>006-255                                             | <b>DIMMER (W)</b><br>Null<br>0%→100%                                                       |
| 35 | 000-255                                                        | <b>DIMMER FINE (W)</b>                                                                     |
| 36 | 000-255                                                        | <b>STROBE DURATION (W)</b>                                                                 |
| 37 | 000-006<br>007-255                                             | <b>STROBE RATE (W)</b><br>Blackout<br>Strobe from Slow to Fast                             |
| 38 | 000-005<br>006-050<br>051-100<br>101-150                       | <b>STROBE (W)</b><br>Null<br>Ramp up<br>Ramp down<br>Ramp up-down                          |

|    |                    |                         |
|----|--------------------|-------------------------|
|    | 151-200<br>201-255 | Lightning<br>Random     |
| 39 | 000-255            | <b>FROST</b><br>0%→100% |

#### 112 Channels (Mode 5):

| CHANNEL | VALUE   | FUNCTION                  |
|---------|---------|---------------------------|
| 1       | 000-255 | <b>RED 1</b><br>0%→100%   |
| 2       | 000-255 | <b>GREEN 1</b><br>0%→100% |
| 3       | 000-255 | <b>BLUE 1</b><br>0%→100%  |
| 4       | 000-255 | <b>RED 2</b><br>0%→100%   |
| 5       | 000-255 | <b>GREEN 2</b><br>0%→100% |
| 6       | 000-255 | <b>BLUE 2</b><br>0%→100%  |
| 7       | 000-255 | <b>RED 3</b><br>0%→100%   |
| 8       | 000-255 | <b>GREEN 3</b><br>0%→100% |
| 9       | 000-255 | <b>BLUE 3</b><br>0%→100%  |
| 10      | 000-255 | <b>RED 4</b><br>0%→100%   |
| 11      | 000-255 | <b>GREEN 4</b><br>0%→100% |
| 12      | 000-255 | <b>BLUE 4</b><br>0%→100%  |
| 13      | 000-255 | <b>RED 5</b><br>0%→100%   |
| 14      | 000-255 | <b>GREEN 5</b><br>0%→100% |
| 15      | 000-255 | <b>BLUE 5</b><br>0%→100%  |
| 16      | 000-255 | <b>RED 6</b><br>0%→100%   |
| 17      | 000-255 | <b>GREEN 6</b><br>0%→100% |
| 18      | 000-255 | <b>BLUE 6</b><br>0%→100%  |

|    |         |                            |
|----|---------|----------------------------|
| 19 | 000-255 | <b>RED 7</b><br>0%→100%    |
| 20 | 000-255 | <b>GREEN 7</b><br>0%→100%  |
| 21 | 000-255 | <b>BLUE 7</b><br>0%→100%   |
| 22 | 000-255 | <b>RED 8</b><br>0%→100%    |
| 23 | 000-255 | <b>GREEN 8</b><br>0%→100%  |
| 24 | 000-255 | <b>BLUE 8</b><br>0%→100%   |
| 25 | 000-255 | <b>RED 9</b><br>0%→100%    |
| 26 | 000-255 | <b>GREEN 9</b><br>0%→100%  |
| 27 | 000-255 | <b>BLUE 9</b><br>0%→100%   |
| 28 | 000-255 | <b>RED 10</b><br>0%→100%   |
| 29 | 000-255 | <b>GREEN 10</b><br>0%→100% |
| 30 | 000-255 | <b>BLUE 10</b><br>0%→100%  |
| 31 | 000-255 | <b>RED 11</b><br>0%→100%   |
| 32 | 000-255 | <b>GREEN 11</b><br>0%→100% |
| 33 | 000-255 | <b>BLUE 11</b><br>0%→100%  |
| 34 | 000-255 | <b>RED 12</b><br>0%→100%   |
| 35 | 000-255 | <b>GREEN 12</b><br>0%→100% |
| 36 | 000-255 | <b>BLUE 12</b><br>0%→100%  |
| 37 | 000-255 | <b>RED 13</b><br>0%→100%   |
| 38 | 000-255 | <b>GREEN 13</b><br>0%→100% |
| 39 | 000-255 | <b>BLUE 13</b><br>0%→100%  |
| 40 | 000-255 | <b>RED 14</b><br>0%→100%   |

|    |         |                            |
|----|---------|----------------------------|
| 41 | 000-255 | <b>GREEN 14</b><br>0%→100% |
| 42 | 000-255 | <b>BLUE 14</b><br>0%→100%  |
| 43 | 000-255 | <b>RED 15</b><br>0%→100%   |
| 44 | 000-255 | <b>GREEN 15</b><br>0%→100% |
| 45 | 000-255 | <b>BLUE 15</b><br>0%→100%  |
| 46 | 000-255 | <b>RED 16</b><br>0%→100%   |
| 47 | 000-255 | <b>GREEN 16</b><br>0%→100% |
| 48 | 000-255 | <b>BLUE 16</b><br>0%→100%  |
| 49 | 000-255 | <b>RED 17</b><br>0%→100%   |
| 50 | 000-255 | <b>GREEN 17</b><br>0%→100% |
| 51 | 000-255 | <b>BLUE 17</b><br>0%→100%  |
| 52 | 000-255 | <b>RED 18</b><br>0%→100%   |
| 53 | 000-255 | <b>GREEN 18</b><br>0%→100% |
| 54 | 000-255 | <b>BLUE 18</b><br>0%→100%  |
| 55 | 000-255 | <b>RED 19</b><br>0%→100%   |
| 56 | 000-255 | <b>GREEN 19</b><br>0%→100% |
| 57 | 000-255 | <b>BLUE 19</b><br>0%→100%  |
| 58 | 000-255 | <b>RED 20</b><br>0%→100%   |
| 59 | 000-255 | <b>GREEN 20</b><br>0%→100% |
| 60 | 000-255 | <b>BLUE 20</b><br>0%→100%  |
| 61 | 000-255 | <b>RED 21</b><br>0%→100%   |
| 62 | 000-255 | <b>GREEN 21</b><br>0%→100% |

|    |         |                            |
|----|---------|----------------------------|
| 63 | 000-255 | <b>BLUE 21</b><br>0%→100%  |
| 64 | 000-255 | <b>RED 22</b><br>0%→100%   |
| 65 | 000-255 | <b>GREEN 22</b><br>0%→100% |
| 66 | 000-255 | <b>BLUE 22</b><br>0%→100%  |
| 67 | 000-255 | <b>RED 23</b><br>0%→100%   |
| 68 | 000-255 | <b>GREEN 23</b><br>0%→100% |
| 69 | 000-255 | <b>BLUE 23</b><br>0%→100%  |
| 70 | 000-255 | <b>RED 24</b><br>0%→100%   |
| 71 | 000-255 | <b>GREEN 24</b><br>0%→100% |
| 72 | 000-255 | <b>BLUE 24</b><br>0%→100%  |
| 73 | 000-255 | <b>RED 25</b><br>0%→100%   |
| 74 | 000-255 | <b>GREEN 25</b><br>0%→100% |
| 75 | 000-255 | <b>BLUE 25</b><br>0%→100%  |
| 76 | 000-255 | <b>RED 26</b><br>0%→100%   |
| 77 | 000-255 | <b>GREEN 26</b><br>0%→100% |
| 78 | 000-255 | <b>BLUE 26</b><br>0%→100%  |
| 79 | 000-255 | <b>RED 27</b><br>0%→100%   |
| 80 | 000-255 | <b>GREEN 27</b><br>0%→100% |
| 81 | 000-255 | <b>BLUE 27</b><br>0%→100%  |
| 82 | 000-255 | <b>RED 28</b><br>0%→100%   |
| 83 | 000-255 | <b>GREEN 28</b><br>0%→100% |
| 84 | 000-255 | <b>BLUE 28</b><br>0%→100%  |

|     |         |                            |
|-----|---------|----------------------------|
| 85  | 000-255 | <b>RED 29</b><br>0%→100%   |
| 86  | 000-255 | <b>GREEN 29</b><br>0%→100% |
| 87  | 000-255 | <b>BLUE 29</b><br>0%→100%  |
| 88  | 000-255 | <b>RED 30</b><br>0%→100%   |
| 89  | 000-255 | <b>GREEN 30</b><br>0%→100% |
| 90  | 000-255 | <b>BLUE 30</b><br>0%→100%  |
| 91  | 000-255 | <b>RED 31</b><br>0%→100%   |
| 92  | 000-255 | <b>GREEN 31</b><br>0%→100% |
| 93  | 000-255 | <b>BLUE 31</b><br>0%→100%  |
| 94  | 000-255 | <b>RED 32</b><br>0%→100%   |
| 95  | 000-255 | <b>GREEN 32</b><br>0%→100% |
| 96  | 000-255 | <b>BLUE 32</b><br>0%→100%  |
| 97  | 000-255 | <b>WHITE 1</b><br>0%→100%  |
| 98  | 000-255 | <b>WHITE 2</b><br>0%→100%  |
| 99  | 000-255 | <b>WHITE 3</b><br>0%→100%  |
| 100 | 000-255 | <b>WHITE 4</b><br>0%→100%  |
| 101 | 000-255 | <b>WHITE 5</b><br>0%→100%  |
| 102 | 000-255 | <b>WHITE 6</b><br>0%→100%  |
| 103 | 000-255 | <b>WHITE 7</b><br>0%→100%  |
| 104 | 000-255 | <b>WHITE 8</b><br>0%→100%  |
| 105 | 000-255 | <b>WHITE 9</b><br>0%→100%  |
| 106 | 000-255 | <b>WHITE 10</b><br>0%→100% |

|     |         |                            |
|-----|---------|----------------------------|
| 107 | 000-255 | <b>WHITE 11</b><br>0%→100% |
| 108 | 000-255 | <b>WHITE 12</b><br>0%→100% |
| 109 | 000-255 | <b>WHITE 13</b><br>0%→100% |
| 110 | 000-255 | <b>WHITE 14</b><br>0%→100% |
| 111 | 000-255 | <b>WHITE 15</b><br>0%→100% |
| 112 | 000-255 | <b>WHITE 16</b><br>0%→100% |

**17 Channels (Mode 6):**

| CHANNEL | VALUE   | FUNCTION                  |
|---------|---------|---------------------------|
| 1       | 000-255 | <b>RED 1</b><br>0%→100%   |
| 2       | 000-255 | <b>GREEN 1</b><br>0%→100% |
| 3       | 000-255 | <b>BLUE 1</b><br>0%→100%  |
| 4       | 000-255 | <b>RED 2</b><br>0%→100%   |
| 5       | 000-255 | <b>GREEN 2</b><br>0%→100% |
| 6       | 000-255 | <b>BLUE 2</b><br>0%→100%  |
| 7       | 000-255 | <b>RED 3</b><br>0%→100%   |
| 8       | 000-255 | <b>GREEN 3</b><br>0%→100% |
| 9       | 000-255 | <b>BLUE 3</b><br>0%→100%  |
| 10      | 000-255 | <b>RED 4</b><br>0%→100%   |
| 11      | 000-255 | <b>GREEN 4</b><br>0%→100% |
| 12      | 000-255 | <b>BLUE 4</b><br>0%→100%  |
| 13      | 000-255 | <b>WHITE 1</b><br>0%→100% |
| 14      | 000-255 | <b>WHITE 2</b><br>0%→100% |

|    |         |                           |
|----|---------|---------------------------|
| 15 | 000-255 | <b>WHITE 3</b><br>0%→100% |
| 16 | 000-255 | <b>WHITE 4</b><br>0%→100% |
| 17 | 000-255 | <b>FROST</b><br>0%→100%   |

### 33 Channels (Mode 7):

| CHANNEL | VALUE   | FUNCTION                  |
|---------|---------|---------------------------|
| 1       | 000-255 | <b>RED 1</b><br>0%→100%   |
| 2       | 000-255 | <b>GREEN 1</b><br>0%→100% |
| 3       | 000-255 | <b>BLUE 1</b><br>0%→100%  |
| 4       | 000-255 | <b>RED 2</b><br>0%→100%   |
| 5       | 000-255 | <b>GREEN 2</b><br>0%→100% |
| 6       | 000-255 | <b>BLUE 2</b><br>0%→100%  |
| 7       | 000-255 | <b>RED 3</b><br>0%→100%   |
| 8       | 000-255 | <b>GREEN 3</b><br>0%→100% |
| 9       | 000-255 | <b>BLUE 3</b><br>0%→100%  |
| 10      | 000-255 | <b>RED 4</b><br>0%→100%   |
| 11      | 000-255 | <b>GREEN 4</b><br>0%→100% |
| 12      | 000-255 | <b>BLUE 4</b><br>0%→100%  |
| 13      | 000-255 | <b>RED 5</b><br>0%→100%   |
| 14      | 000-255 | <b>GREEN 5</b><br>0%→100% |
| 15      | 000-255 | <b>BLUE 5</b><br>0%→100%  |
| 16      | 000-255 | <b>RED 6</b><br>0%→100%   |
| 17      | 000-255 | <b>GREEN 6</b><br>0%→100% |

|    |         |                           |
|----|---------|---------------------------|
| 18 | 000-255 | <b>BLUE 6</b><br>0%→100%  |
| 19 | 000-255 | <b>RED 7</b><br>0%→100%   |
| 20 | 000-255 | <b>GREEN 7</b><br>0%→100% |
| 21 | 000-255 | <b>BLUE 7</b><br>0%→100%  |
| 22 | 000-255 | <b>RED 8</b><br>0%→100%   |
| 23 | 000-255 | <b>GREEN 8</b><br>0%→100% |
| 24 | 000-255 | <b>BLUE 8</b><br>0%→100%  |
| 25 | 000-255 | <b>WHITE 1</b><br>0%→100% |
| 26 | 000-255 | <b>WHITE 2</b><br>0%→100% |
| 27 | 000-255 | <b>WHITE 3</b><br>0%→100% |
| 28 | 000-255 | <b>WHITE 4</b><br>0%→100% |
| 29 | 000-255 | <b>WHITE 5</b><br>0%→100% |
| 30 | 000-255 | <b>WHITE 6</b><br>0%→100% |
| 31 | 000-255 | <b>WHITE 7</b><br>0%→100% |
| 32 | 000-255 | <b>WHITE 8</b><br>0%→100% |
| 33 | 000-255 | <b>FROST</b><br>0%→100%   |

# 65 Channels (Mode 8):

| CHANNEL | VALUE   | FUNCTION                  |
|---------|---------|---------------------------|
| 1       | 000-255 | <b>RED 1</b><br>0%→100%   |
| 2       | 000-255 | <b>GREEN 1</b><br>0%→100% |
| 3       | 000-255 | <b>BLUE 1</b><br>0%→100%  |
| 4       | 000-255 | <b>RED 2</b><br>0%→100%   |
| 5       | 000-255 | <b>GREEN 2</b><br>0%→100% |
| 6       | 000-255 | <b>BLUE 2</b><br>0%→100%  |
| 7       | 000-255 | <b>RED 3</b><br>0%→100%   |
| 8       | 000-255 | <b>GREEN 3</b><br>0%→100% |
| 9       | 000-255 | <b>BLUE 3</b><br>0%→100%  |
| 10      | 000-255 | <b>RED 4</b><br>0%→100%   |
| 11      | 000-255 | <b>GREEN 4</b><br>0%→100% |
| 12      | 000-255 | <b>BLUE 4</b><br>0%→100%  |
| 13      | 000-255 | <b>RED 5</b><br>0%→100%   |
| 14      | 000-255 | <b>GREEN 5</b><br>0%→100% |
| 15      | 000-255 | <b>BLUE 5</b><br>0%→100%  |
| 16      | 000-255 | <b>RED 6</b><br>0%→100%   |
| 17      | 000-255 | <b>GREEN 6</b><br>0%→100% |
| 18      | 000-255 | <b>BLUE 6</b><br>0%→100%  |
| 19      | 000-255 | <b>RED 7</b><br>0%→100%   |
| 20      | 000-255 | <b>GREEN 7</b><br>0%→100% |
| 21      |         | <b>BLUE 7</b>             |

|    |         |                            |
|----|---------|----------------------------|
|    | 000-255 | 0%→100%                    |
| 22 | 000-255 | <b>RED 8</b><br>0%→100%    |
| 23 | 000-255 | <b>GREEN 8</b><br>0%→100%  |
| 24 | 000-255 | <b>BLUE 8</b><br>0%→100%   |
| 25 | 000-255 | <b>RED 9</b><br>0%→100%    |
| 26 | 000-255 | <b>GREEN 9</b><br>0%→100%  |
| 27 | 000-255 | <b>BLUE 9</b><br>0%→100%   |
| 28 | 000-255 | <b>RED 10</b><br>0%→100%   |
| 29 | 000-255 | <b>GREEN 10</b><br>0%→100% |
| 30 | 000-255 | <b>BLUE 10</b><br>0%→100%  |
| 31 | 000-255 | <b>RED 11</b><br>0%→100%   |
| 32 | 000-255 | <b>GREEN 11</b><br>0%→100% |
| 33 | 000-255 | <b>BLUE 11</b><br>0%→100%  |
| 34 | 000-255 | <b>RED 12</b><br>0%→100%   |
| 35 | 000-255 | <b>GREEN 12</b><br>0%→100% |
| 36 | 000-255 | <b>BLUE 12</b><br>0%→100%  |
| 37 | 000-255 | <b>RED 13</b><br>0%→100%   |
| 38 | 000-255 | <b>GREEN 13</b><br>0%→100% |
| 39 | 000-255 | <b>BLUE 13</b><br>0%→100%  |
| 40 | 000-255 | <b>RED 14</b><br>0%→100%   |
| 41 | 000-255 | <b>GREEN 14</b><br>0%→100% |
| 42 | 000-255 | <b>BLUE 14</b><br>0%→100%  |

|    |         |                            |
|----|---------|----------------------------|
| 43 | 000-255 | <b>RED 15</b><br>0%→100%   |
| 44 | 000-255 | <b>GREEN 15</b><br>0%→100% |
| 45 | 000-255 | <b>BLUE 15</b><br>0%→100%  |
| 46 | 000-255 | <b>RED 16</b><br>0%→100%   |
| 47 | 000-255 | <b>GREEN 16</b><br>0%→100% |
| 48 | 000-255 | <b>BLUE 16</b><br>0%→100%  |
| 49 | 000-255 | <b>WHITE 1</b><br>0%→100%  |
| 50 | 000-255 | <b>WHITE 2</b><br>0%→100%  |
| 51 | 000-255 | <b>WHITE 3</b><br>0%→100%  |
| 52 | 000-255 | <b>WHITE 4</b><br>0%→100%  |
| 53 | 000-255 | <b>WHITE 5</b><br>0%→100%  |
| 54 | 000-255 | <b>WHITE 6</b><br>0%→100%  |
| 55 | 000-255 | <b>WHITE 7</b><br>0%→100%  |
| 56 | 000-255 | <b>WHITE 8</b><br>0%→100%  |
| 57 | 000-255 | <b>WHITE 9</b><br>0%→100%  |
| 58 | 000-255 | <b>WHITE 10</b><br>0%→100% |
| 59 | 000-255 | <b>WHITE 11</b><br>0%→100% |
| 60 | 000-255 | <b>WHITE 12</b><br>0%→100% |
| 61 | 000-255 | <b>WHITE 13</b><br>0%→100% |
| 62 | 000-255 | <b>WHITE 14</b><br>0%→100% |
| 63 | 000-255 | <b>WHITE 15</b><br>0%→100% |
| 64 | 000-255 | <b>WHITE 16</b><br>0%→100% |

|    |         |                         |
|----|---------|-------------------------|
| 65 | 000-255 | <b>FROST</b><br>0%→100% |
|----|---------|-------------------------|

**68 Channels (Mode 9):**

| CHANNEL | VALUE                                               | FUNCTION                                                                          |
|---------|-----------------------------------------------------|-----------------------------------------------------------------------------------|
| 1       | 000-005<br>006-255                                  | <b>DIMMER</b><br>Null<br>0%→100%                                                  |
| 2       | 000-007<br>008-127<br>128-130<br>131-250<br>251-255 | <b>STROBE (RGB)</b><br>Null<br>Strobe from Slow to Fast<br>Null<br>Random<br>Null |
| 3       | 000-007<br>008-127<br>128-130<br>131-250<br>251-255 | <b>STROBE (W)</b><br>Null<br>Strobe from Slow to Fast<br>Null<br>Random<br>Null   |
| 4       | 000-255                                             | <b>FROST</b><br>0%→100%                                                           |
| 5       | 000-255                                             | <b>RED 1</b><br>0%→100%                                                           |
| 6       | 000-255                                             | <b>GREEN 1</b><br>0%→100%                                                         |
| 7       | 000-255                                             | <b>BLUE 1</b><br>0%→100%                                                          |
| 8       | 000-255                                             | <b>RED 2</b><br>0%→100%                                                           |
| 9       | 000-255                                             | <b>GREEN 2</b><br>0%→100%                                                         |
| 10      | 000-255                                             | <b>BLUE 2</b><br>0%→100%                                                          |
| 11      | 000-255                                             | <b>RED 3</b><br>0%→100%                                                           |
| 12      | 000-255                                             | <b>GREEN 3</b><br>0%→100%                                                         |
| 13      | 000-255                                             | <b>BLUE 3</b><br>0%→100%                                                          |
| 14      | 000-255                                             | <b>RED 4</b><br>0%→100%                                                           |
| 15      |                                                     | <b>GREEN 4</b>                                                                    |

|    |         |                            |
|----|---------|----------------------------|
|    | 000-255 | 0%→100%                    |
| 16 | 000-255 | <b>BLUE 4</b><br>0%→100%   |
| 17 | 000-255 | <b>RED 5</b><br>0%→100%    |
| 18 | 000-255 | <b>GREEN 5</b><br>0%→100%  |
| 19 | 000-255 | <b>BLUE 5</b><br>0%→100%   |
| 20 | 000-255 | <b>RED 6</b><br>0%→100%    |
| 21 | 000-255 | <b>GREEN 6</b><br>0%→100%  |
| 22 | 000-255 | <b>BLUE 6</b><br>0%→100%   |
| 23 | 000-255 | <b>RED 7</b><br>0%→100%    |
| 24 | 000-255 | <b>GREEN 7</b><br>0%→100%  |
| 25 | 000-255 | <b>BLUE 7</b><br>0%→100%   |
| 26 | 000-255 | <b>RED 8</b><br>0%→100%    |
| 27 | 000-255 | <b>GREEN 8</b><br>0%→100%  |
| 28 | 000-255 | <b>BLUE 8</b><br>0%→100%   |
| 29 | 000-255 | <b>RED 9</b><br>0%→100%    |
| 30 | 000-255 | <b>GREEN 9</b><br>0%→100%  |
| 31 | 000-255 | <b>BLUE 9</b><br>0%→100%   |
| 32 | 000-255 | <b>RED 10</b><br>0%→100%   |
| 33 | 000-255 | <b>GREEN 10</b><br>0%→100% |
| 34 | 000-255 | <b>BLUE 10</b><br>0%→100%  |
| 35 | 000-255 | <b>RED 11</b><br>0%→100%   |
| 36 | 000-255 | <b>GREEN 11</b><br>0%→100% |

|    |         |                            |
|----|---------|----------------------------|
| 37 | 000-255 | <b>BLUE 11</b><br>0%→100%  |
| 38 | 000-255 | <b>RED 12</b><br>0%→100%   |
| 39 | 000-255 | <b>GREEN 12</b><br>0%→100% |
| 40 | 000-255 | <b>BLUE 12</b><br>0%→100%  |
| 41 | 000-255 | <b>RED 13</b><br>0%→100%   |
| 42 | 000-255 | <b>GREEN 13</b><br>0%→100% |
| 43 | 000-255 | <b>BLUE 13</b><br>0%→100%  |
| 44 | 000-255 | <b>RED 14</b><br>0%→100%   |
| 45 | 000-255 | <b>GREEN 14</b><br>0%→100% |
| 46 | 000-255 | <b>BLUE 14</b><br>0%→100%  |
| 47 | 000-255 | <b>RED 15</b><br>0%→100%   |
| 48 | 000-255 | <b>GREEN 15</b><br>0%→100% |
| 49 | 000-255 | <b>BLUE 15</b><br>0%→100%  |
| 50 | 000-255 | <b>RED 16</b><br>0%→100%   |
| 51 | 000-255 | <b>GREEN 16</b><br>0%→100% |
| 52 | 000-255 | <b>BLUE 16</b><br>0%→100%  |
| 53 | 000-255 | <b>WHITE 1</b><br>0%→100%  |
| 54 | 000-255 | <b>WHITE 2</b><br>0%→100%  |
| 55 | 000-255 | <b>WHITE 3</b><br>0%→100%  |
| 56 | 000-255 | <b>WHITE 4</b><br>0%→100%  |
| 57 | 000-255 | <b>WHITE 5</b><br>0%→100%  |
| 58 | 000-255 | <b>WHITE 6</b><br>0%→100%  |

|    |         |                            |
|----|---------|----------------------------|
| 59 | 000-255 | <b>WHITE 7</b><br>0%→100%  |
| 60 | 000-255 | <b>WHITE 8</b><br>0%→100%  |
| 61 | 000-255 | <b>WHITE 9</b><br>0%→100%  |
| 62 | 000-255 | <b>WHITE 10</b><br>0%→100% |
| 63 | 000-255 | <b>WHITE 11</b><br>0%→100% |
| 64 | 000-255 | <b>WHITE 12</b><br>0%→100% |
| 65 | 000-255 | <b>WHITE 13</b><br>0%→100% |
| 66 | 000-255 | <b>WHITE 14</b><br>0%→100% |
| 67 | 000-255 | <b>WHITE 15</b><br>0%→100% |
| 68 | 000-255 | <b>WHITE 16</b><br>0%→100% |

#### 117 Channels (Mode 10):

| CHANNEL | VALUE                                                          | FUNCTION                                                                             |
|---------|----------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 1       | 000-005<br>006-255                                             | <b>DIMMER</b><br>Null<br>0%→100%                                                     |
| 2       | 000-255                                                        | <b>STROBE DURATION</b>                                                               |
| 3       | 000-006<br>007-255                                             | <b>STROBE RATE</b><br>Blackout<br>Strobe from Slow to Fast                           |
| 4       | 000-005<br>006-050<br>051-100<br>101-150<br>151-200<br>201-255 | <b>STROBE</b><br>Null<br>Ramp up<br>Ramp down<br>Ramp up-down<br>Lightning<br>Random |
| 5       | 000-255                                                        | <b>FROST</b><br>0%→100%                                                              |
| 6       | 000-255                                                        | <b>RED 1</b><br>0%→100%                                                              |
| 7       | 000-255                                                        | <b>GREEN 1</b><br>0%→100%                                                            |

|    |         |                           |
|----|---------|---------------------------|
| 8  | 000-255 | <b>BLUE 1</b><br>0%→100%  |
| 9  | 000-255 | <b>RED 2</b><br>0%→100%   |
| 10 | 000-255 | <b>GREEN 2</b><br>0%→100% |
| 11 | 000-255 | <b>BLUE 2</b><br>0%→100%  |
| 12 | 000-255 | <b>RED 3</b><br>0%→100%   |
| 13 | 000-255 | <b>GREEN 3</b><br>0%→100% |
| 14 | 000-255 | <b>BLUE 3</b><br>0%→100%  |
| 15 | 000-255 | <b>RED 4</b><br>0%→100%   |
| 16 | 000-255 | <b>GREEN 4</b><br>0%→100% |
| 17 | 000-255 | <b>BLUE 4</b><br>0%→100%  |
| 18 | 000-255 | <b>RED 5</b><br>0%→100%   |
| 19 | 000-255 | <b>GREEN 5</b><br>0%→100% |
| 20 | 000-255 | <b>BLUE 5</b><br>0%→100%  |
| 21 | 000-255 | <b>RED 6</b><br>0%→100%   |
| 22 | 000-255 | <b>GREEN 6</b><br>0%→100% |
| 23 | 000-255 | <b>BLUE 6</b><br>0%→100%  |
| 24 | 000-255 | <b>RED 7</b><br>0%→100%   |
| 25 | 000-255 | <b>GREEN 7</b><br>0%→100% |
| 26 | 000-255 | <b>BLUE 7</b><br>0%→100%  |
| 27 | 000-255 | <b>RED 8</b><br>0%→100%   |
| 28 | 000-255 | <b>GREEN 8</b><br>0%→100% |
| 29 | 000-255 | <b>BLUE 8</b><br>0%→100%  |

|    |         |                            |
|----|---------|----------------------------|
| 30 | 000-255 | <b>RED 9</b><br>0%→100%    |
| 31 | 000-255 | <b>GREEN 9</b><br>0%→100%  |
| 32 | 000-255 | <b>BLUE 9</b><br>0%→100%   |
| 33 | 000-255 | <b>RED 10</b><br>0%→100%   |
| 34 | 000-255 | <b>GREEN 10</b><br>0%→100% |
| 35 | 000-255 | <b>BLUE 10</b><br>0%→100%  |
| 36 | 000-255 | <b>RED 11</b><br>0%→100%   |
| 37 | 000-255 | <b>GREEN 11</b><br>0%→100% |
| 38 | 000-255 | <b>BLUE 11</b><br>0%→100%  |
| 39 | 000-255 | <b>RED 12</b><br>0%→100%   |
| 40 | 000-255 | <b>GREEN 12</b><br>0%→100% |
| 41 | 000-255 | <b>BLUE 12</b><br>0%→100%  |
| 42 | 000-255 | <b>RED 13</b><br>0%→100%   |
| 43 | 000-255 | <b>GREEN 13</b><br>0%→100% |
| 44 | 000-255 | <b>BLUE 13</b><br>0%→100%  |
| 45 | 000-255 | <b>RED 14</b><br>0%→100%   |
| 46 | 000-255 | <b>GREEN 14</b><br>0%→100% |
| 47 | 000-255 | <b>BLUE 14</b><br>0%→100%  |
| 48 | 000-255 | <b>RED 15</b><br>0%→100%   |
| 49 | 000-255 | <b>GREEN 15</b><br>0%→100% |
| 50 | 000-255 | <b>BLUE 15</b><br>0%→100%  |
| 51 | 000-255 | <b>RED 16</b><br>0%→100%   |

|    |         |                            |
|----|---------|----------------------------|
| 52 | 000-255 | <b>GREEN 16</b><br>0%→100% |
| 53 | 000-255 | <b>BLUE 16</b><br>0%→100%  |
| 54 | 000-255 | <b>RED 17</b><br>0%→100%   |
| 55 | 000-255 | <b>GREEN 17</b><br>0%→100% |
| 56 | 000-255 | <b>BLUE 17</b><br>0%→100%  |
| 57 | 000-255 | <b>RED 18</b><br>0%→100%   |
| 58 | 000-255 | <b>GREEN 18</b><br>0%→100% |
| 59 | 000-255 | <b>BLUE 18</b><br>0%→100%  |
| 60 | 000-255 | <b>RED 19</b><br>0%→100%   |
| 61 | 000-255 | <b>GREEN 19</b><br>0%→100% |
| 62 | 000-255 | <b>BLUE 19</b><br>0%→100%  |
| 63 | 000-255 | <b>RED 20</b><br>0%→100%   |
| 64 | 000-255 | <b>GREEN 20</b><br>0%→100% |
| 65 | 000-255 | <b>BLUE 20</b><br>0%→100%  |
| 66 | 000-255 | <b>RED 21</b><br>0%→100%   |
| 67 | 000-255 | <b>GREEN 21</b><br>0%→100% |
| 68 | 000-255 | <b>BLUE 21</b><br>0%→100%  |
| 69 | 000-255 | <b>RED 22</b><br>0%→100%   |
| 70 | 000-255 | <b>GREEN 22</b><br>0%→100% |
| 71 | 000-255 | <b>BLUE 22</b><br>0%→100%  |
| 72 | 000-255 | <b>RED 23</b><br>0%→100%   |
| 73 | 000-255 | <b>GREEN 23</b><br>0%→100% |

|    |         |                            |
|----|---------|----------------------------|
| 74 | 000-255 | <b>BLUE 23</b><br>0%→100%  |
| 75 | 000-255 | <b>RED 24</b><br>0%→100%   |
| 76 | 000-255 | <b>GREEN 24</b><br>0%→100% |
| 77 | 000-255 | <b>BLUE 24</b><br>0%→100%  |
| 78 | 000-255 | <b>RED 25</b><br>0%→100%   |
| 79 | 000-255 | <b>GREEN 25</b><br>0%→100% |
| 80 | 000-255 | <b>BLUE 25</b><br>0%→100%  |
| 81 | 000-255 | <b>RED 26</b><br>0%→100%   |
| 82 | 000-255 | <b>GREEN 26</b><br>0%→100% |
| 83 | 000-255 | <b>BLUE 26</b><br>0%→100%  |
| 84 | 000-255 | <b>RED 27</b><br>0%→100%   |
| 85 | 000-255 | <b>GREEN 27</b><br>0%→100% |
| 86 | 000-255 | <b>BLUE 27</b><br>0%→100%  |
| 87 | 000-255 | <b>RED 28</b><br>0%→100%   |
| 88 | 000-255 | <b>GREEN 28</b><br>0%→100% |
| 89 | 000-255 | <b>BLUE 28</b><br>0%→100%  |
| 90 | 000-255 | <b>RED 29</b><br>0%→100%   |
| 91 | 000-255 | <b>GREEN 29</b><br>0%→100% |
| 92 | 000-255 | <b>BLUE 29</b><br>0%→100%  |
| 93 | 000-255 | <b>RED 30</b><br>0%→100%   |
| 94 | 000-255 | <b>GREEN 30</b><br>0%→100% |
| 95 | 000-255 | <b>BLUE 30</b><br>0%→100%  |

|     |         |                            |
|-----|---------|----------------------------|
| 96  | 000-255 | <b>RED 31</b><br>0%→100%   |
| 97  | 000-255 | <b>GREEN 31</b><br>0%→100% |
| 98  | 000-255 | <b>BLUE 31</b><br>0%→100%  |
| 99  | 000-255 | <b>RED 32</b><br>0%→100%   |
| 100 | 000-255 | <b>GREEN 32</b><br>0%→100% |
| 101 | 000-255 | <b>BLUE 32</b><br>0%→100%  |
| 102 | 000-255 | <b>WHITE 1</b><br>0%→100%  |
| 103 | 000-255 | <b>WHITE 2</b><br>0%→100%  |
| 104 | 000-255 | <b>WHITE 3</b><br>0%→100%  |
| 105 | 000-255 | <b>WHITE 4</b><br>0%→100%  |
| 106 | 000-255 | <b>WHITE 5</b><br>0%→100%  |
| 107 | 000-255 | <b>WHITE 6</b><br>0%→100%  |
| 108 | 000-255 | <b>WHITE 7</b><br>0%→100%  |
| 109 | 000-255 | <b>WHITE 8</b><br>0%→100%  |
| 110 | 000-255 | <b>WHITE 9</b><br>0%→100%  |
| 111 | 000-255 | <b>WHITE 10</b><br>0%→100% |
| 112 | 000-255 | <b>WHITE 11</b><br>0%→100% |
| 113 | 000-255 | <b>WHITE 12</b><br>0%→100% |
| 114 | 000-255 | <b>WHITE 13</b><br>0%→100% |
| 115 | 000-255 | <b>WHITE 14</b><br>0%→100% |
| 116 | 000-255 | <b>WHITE 15</b><br>0%→100% |
| 117 | 000-255 | <b>WHITE 16</b><br>0%→100% |

## 70 Channels (Mode 11):

| CHANNEL | VALUE                                               | FUNCTION                                                                          |
|---------|-----------------------------------------------------|-----------------------------------------------------------------------------------|
| 1       | 000-005<br>006-255                                  | <b>DIMMER</b><br>Null<br>0%→100%                                                  |
| 2       | 000-007<br>008-127<br>128-130<br>131-250<br>251-255 | <b>STROBE (RGB)</b><br>Null<br>Strobe from Slow to Fast<br>Null<br>Random<br>Null |
| 3       | 000-007<br>008-127<br>128-130<br>131-250<br>251-255 | <b>STROBE (W)</b><br>Null<br>Strobe from Slow to Fast<br>Null<br>Random<br>Null   |
| 4       | 000-255                                             | <b>FROST</b><br>0%→100%                                                           |
| 5       | 000-255                                             | <b>RED 1</b><br>0%→100%                                                           |
| 6       | 000-255                                             | <b>GREEN 1</b><br>0%→100%                                                         |
| 7       | 000-255                                             | <b>BLUE 1</b><br>0%→100%                                                          |
| 8       | 000-255                                             | <b>RED 2</b><br>0%→100%                                                           |
| 9       | 000-255                                             | <b>GREEN 2</b><br>0%→100%                                                         |
| 10      | 000-255                                             | <b>BLUE 2</b><br>0%→100%                                                          |
| 11      | 000-255                                             | <b>RED 3</b><br>0%→100%                                                           |
| 12      | 000-255                                             | <b>GREEN 3</b><br>0%→100%                                                         |
| 13      | 000-255                                             | <b>BLUE 3</b><br>0%→100%                                                          |
| 14      | 000-255                                             | <b>RED 4</b><br>0%→100%                                                           |
| 15      | 000-255                                             | <b>GREEN 4</b><br>0%→100%                                                         |
| 16      | 000-255                                             | <b>BLUE 4</b><br>0%→100%                                                          |

|    |         |                            |
|----|---------|----------------------------|
| 17 | 000-255 | <b>RED 5</b><br>0%→100%    |
| 18 | 000-255 | <b>GREEN 5</b><br>0%→100%  |
| 19 | 000-255 | <b>BLUE 5</b><br>0%→100%   |
| 20 | 000-255 | <b>RED 6</b><br>0%→100%    |
| 21 | 000-255 | <b>GREEN 6</b><br>0%→100%  |
| 22 | 000-255 | <b>BLUE 6</b><br>0%→100%   |
| 23 | 000-255 | <b>RED 7</b><br>0%→100%    |
| 24 | 000-255 | <b>GREEN 7</b><br>0%→100%  |
| 25 | 000-255 | <b>BLUE 7</b><br>0%→100%   |
| 26 | 000-255 | <b>RED 8</b><br>0%→100%    |
| 27 | 000-255 | <b>GREEN 8</b><br>0%→100%  |
| 28 | 000-255 | <b>BLUE 8</b><br>0%→100%   |
| 29 | 000-255 | <b>RED 9</b><br>0%→100%    |
| 30 | 000-255 | <b>GREEN 9</b><br>0%→100%  |
| 31 | 000-255 | <b>BLUE 9</b><br>0%→100%   |
| 32 | 000-255 | <b>RED 10</b><br>0%→100%   |
| 33 | 000-255 | <b>GREEN 10</b><br>0%→100% |
| 34 | 000-255 | <b>BLUE 10</b><br>0%→100%  |
| 35 | 000-255 | <b>RED 11</b><br>0%→100%   |
| 36 | 000-255 | <b>GREEN 11</b><br>0%→100% |
| 37 | 000-255 | <b>BLUE 11</b><br>0%→100%  |
| 38 | 000-255 | <b>RED 12</b><br>0%→100%   |

|    |         |                            |
|----|---------|----------------------------|
| 39 | 000-255 | <b>GREEN 12</b><br>0%→100% |
| 40 | 000-255 | <b>BLUE 12</b><br>0%→100%  |
| 41 | 000-255 | <b>RED 13</b><br>0%→100%   |
| 42 | 000-255 | <b>GREEN 13</b><br>0%→100% |
| 43 | 000-255 | <b>BLUE 13</b><br>0%→100%  |
| 44 | 000-255 | <b>RED 14</b><br>0%→100%   |
| 45 | 000-255 | <b>GREEN 14</b><br>0%→100% |
| 46 | 000-255 | <b>BLUE 14</b><br>0%→100%  |
| 47 | 000-255 | <b>RED 15</b><br>0%→100%   |
| 48 | 000-255 | <b>GREEN 15</b><br>0%→100% |
| 49 | 000-255 | <b>BLUE 15</b><br>0%→100%  |
| 50 | 000-255 | <b>RED 16</b><br>0%→100%   |
| 51 | 000-255 | <b>GREEN 16</b><br>0%→100% |
| 52 | 000-255 | <b>BLUE 16</b><br>0%→100%  |
| 53 | 000-255 | <b>WHITE 1</b><br>0%→100%  |
| 54 | 000-255 | <b>WHITE 2</b><br>0%→100%  |
| 55 | 000-255 | <b>WHITE 3</b><br>0%→100%  |
| 56 | 000-255 | <b>WHITE 4</b><br>0%→100%  |
| 57 | 000-255 | <b>WHITE 5</b><br>0%→100%  |
| 58 | 000-255 | <b>WHITE 6</b><br>0%→100%  |
| 59 | 000-255 | <b>WHITE 7</b><br>0%→100%  |
| 60 | 000-255 | <b>WHITE 8</b><br>0%→100%  |

|           |         |                              |
|-----------|---------|------------------------------|
| <b>61</b> | 000-255 | <b>WHITE 9</b><br>0%→100%    |
| <b>62</b> | 000-255 | <b>WHITE 10</b><br>0%→100%   |
| <b>63</b> | 000-255 | <b>WHITE 11</b><br>0%→100%   |
| <b>64</b> | 000-255 | <b>WHITE 12</b><br>0%→100%   |
| <b>65</b> | 000-255 | <b>WHITE 13</b><br>0%→100%   |
| <b>66</b> | 000-255 | <b>WHITE 14</b><br>0%→100%   |
| <b>67</b> | 000-255 | <b>WHITE 15</b><br>0%→100%   |
| <b>68</b> | 000-255 | <b>WHITE 16</b><br>0%→100%   |
| <b>69</b> | 000-255 | <b>FADE (RGB)</b><br>0%→100% |
| <b>70</b> | 000-255 | <b>FADE (W)</b><br>0%→100%   |

LED PIXEL ZONES:

39-channel (RGB)

|   |   |   |   |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 |

39-channel (W)

|   |   |   |   |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
|---|---|---|---|

112/117-channel (RGB)

|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |

112/117-channel (W)

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|

17-channel (RGB)

|   |   |   |   |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
|---|---|---|---|

17-channel (W)

|   |   |   |   |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
|---|---|---|---|

33-channel (RGB)

|   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|

33-channel (W)

|   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|

65/68/70-channel (RGB)

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|

65/68/70-channel (W)

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|

## 07/ Error Information

Error codes are shown continuously in the display when the fixture fails and they will not disappear until the fixture is repaired.

### LED Fan Error

Check whether the fan is not running.  
Check whether the fan leads are installed in place or disconnected.  
Check whether the fan is damaged.  
Check whether there are obstacles in the fan operating range.  
Check whether the fan circuit on the motherboard breaks down.  
Check whether the component is damaged.  
Check whether the fan is out of order.

### Led Temp. Error

Check whether the temperature detecting board is normal.  
Check whether the components of the temperature detecting board are damaged.  
Check whether the lead on the temperature detecting board is installed in place or disconnected.

### LED Timeout Error

#### LED Too Hot Off

When the fixture temperature reaches 72°C, it will automatically turn off to protect the fixture.

## 08/ Troubleshooting

Following are a few common problems that may occur during operation. Here are some suggestions for troubleshooting:

### A. The unit does not work, no light and the fan does not work

- ▶ Check the connected power.
- ▶ Measure the voltage.
- ▶ Check the power indicator to see whether it can be lit up or not.

### B. Not responding to the DMX controller

- ▶ Check whether the DMX connectors and the DMX cables are connected correctly.
- ▶ Check whether the DMX address is correctly set.
- ▶ If the intermittent DMX signal problem occurs, check whether the XLR socket and the signal cable are well connected.
- ▶ Try it with another DMX controller.
- ▶ Check whether the DMX cables run near or alongside to the high-voltage cables, which may damage or interfere with the signal circuit.

## 09/ Fixture Cleaning

It is absolutely essential that the fixture is kept clean to ensure the maximum light-output and allow the fixture to function reliably throughout its life. The fixture must be cleaned regularly to avoid dust, dirt and smoke-fluid residues building up on or within the fixture. The cleaning frequency depends on the application environment. Clean the fixture immediately if the dust enters it to avoid damage to the optical lens due to excessive dust.

- ▶ A soft lint-free cloth moistened with any good glass cleaning fluid is recommended, under no circumstances should solvents be used.
- ▶ Always dry the parts carefully.
- ▶ Clean the external optical lens at least every 20 days.

### **Declaration of Conformity**

We declare that our products (lighting equipments) comply with the following specification and bears CE mark in accordance with the provision of the Electromagnetic Compatibility (EMC) Directive 2014/30/EU.

EN 55032: 2015+A11: 2020; EN 55035: 2017+A11: 2020;  
EN IEC 61000-3-2: 2019; EN 61000-3-3: 2013+A1: 2019.

**&**

### **Harmonized Standard**

EN 60598-2-17: 2018;  
EN 60598-1: 2015+A1: 2018.  
Safety of household and similar electrical appliances  
Part 1: General requirements and tests

### **Certifications**

cETLus Approved (Control #5000057)

