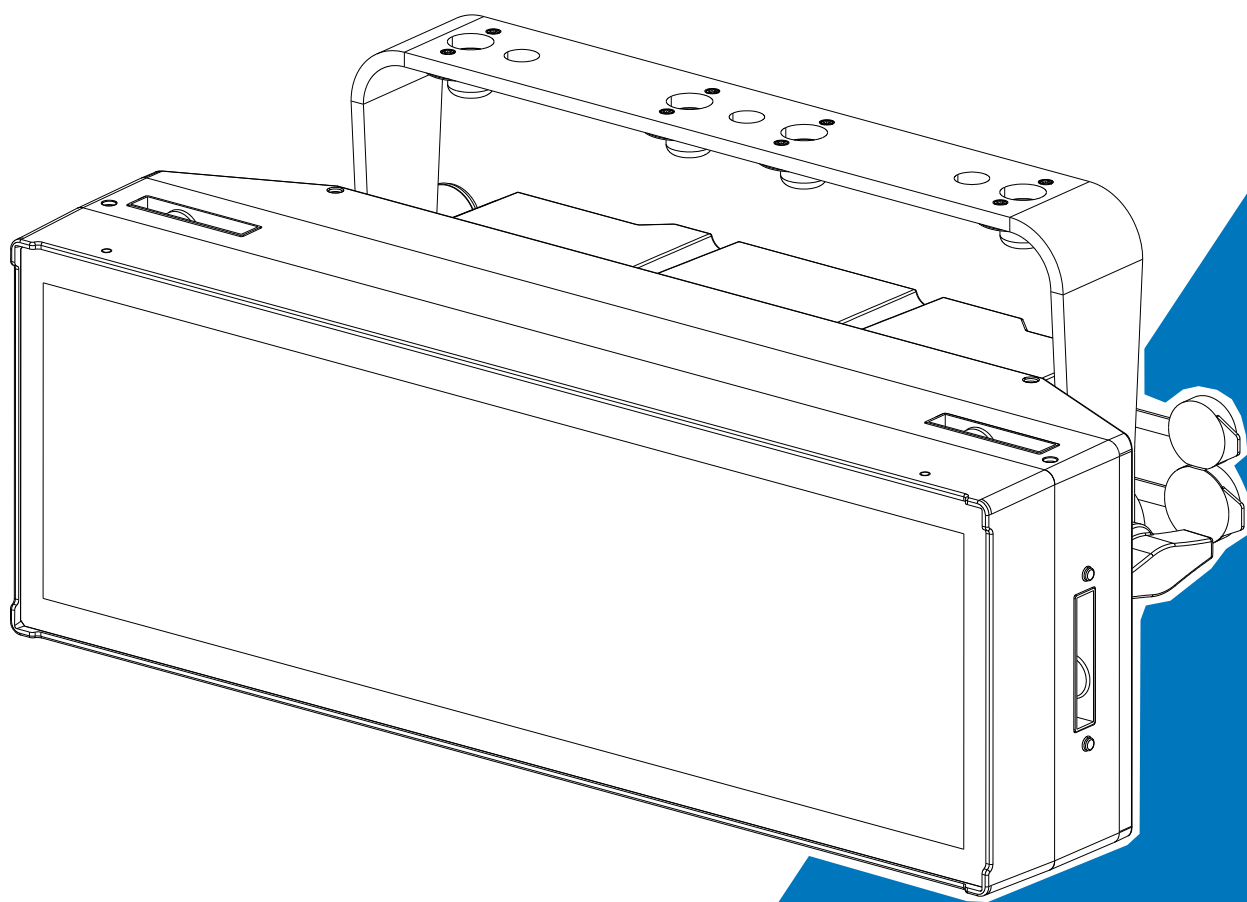




LIGHTNING



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:

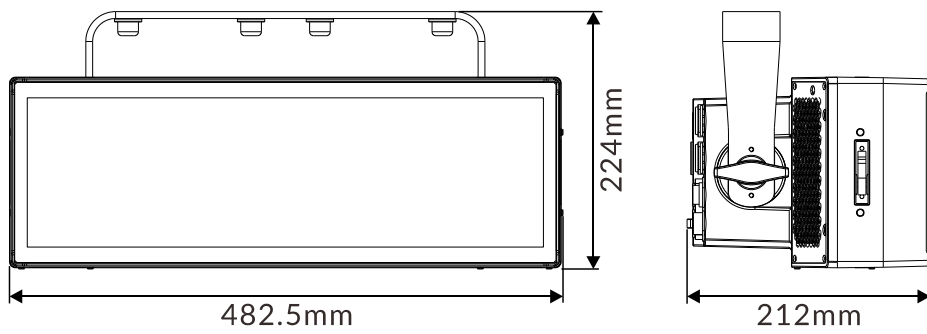
Les dommages causés par le non-respect de ce manuel d'utilisation ne sont pas couverts par la garantie. Le revendeur n'acceptera aucune responsabilité pour les défauts ou problèmes qui en résultent.

- 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.

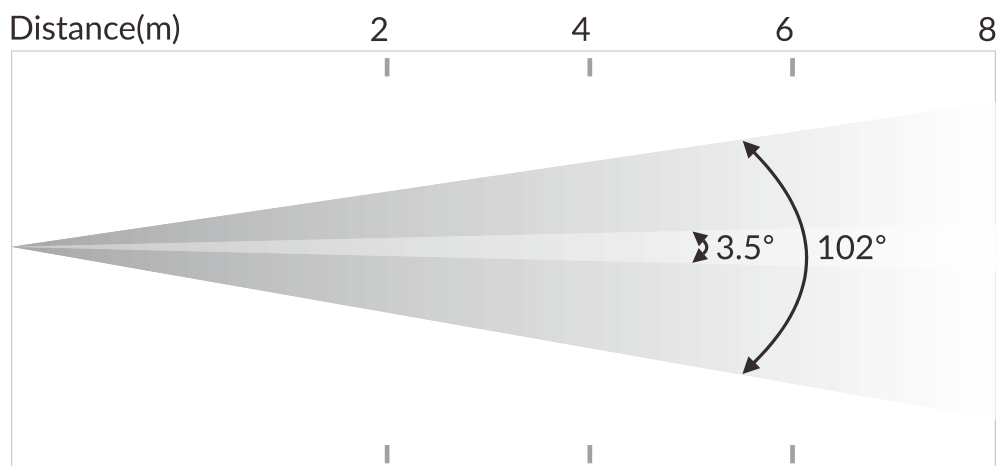
- Assurez-vous que le cordon d'alimentation n'est pas pincé ou endommagé; remplacez-le immédiatement s'il est endommagé.
- La température de surface de l'unité peut atteindre 65°C. NE PAS toucher les capots à mains nues pendant son fonctionnement.
- Évitez que des liquides inflammables, de l'eau ou du 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	1610W	
Light Source	240x12W RGBW LED	
	30x10W CW LED	
Beam Angle	102° (RGBW)	
	3.5° (CW)	
Dimmer/Strobe	0-100% smooth dimming; High output strobe effect	
Control	DMX Channel	10/17/24/21/26/36/41/61/150/158 Channels
	Control Mode	DMX512
		RDM
		Art-Net
		sACN
	Firmware Upgrade	Firmware Upgrade via DMX link
Construction	Display	LCD 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	30 RGBW LED zones with individual control	
	30 CW LEDs with individual control	
	Outstanding color mixing effect	
	Smart Glass technology for DMX controllable frost effects	
	Equipped with an inventive quick-release mechanism that allows you to quickly connect and align multiple fixtures.	
Dimensions	482.5x212x224 mm	19"x8.3"x8.8"
Weight	13.3 kg	29.3 lbs

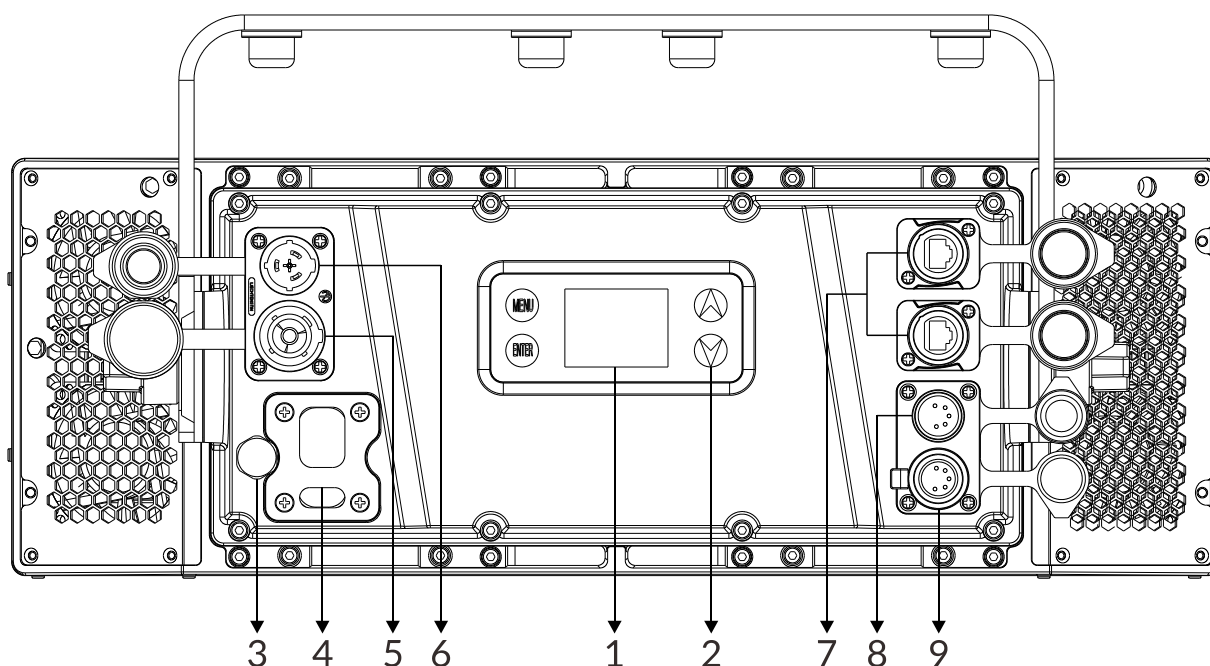


Photometric Diagram:



102° Lux (RGBW)	7,292	1,805	856	519
Diameter(m)	4.9	9.9	14.8	19.7
3.5° Lux (CW)	46,800	31,000	19,900	14,200
Diameter(m)	0.2	0.4	0.7	0.9

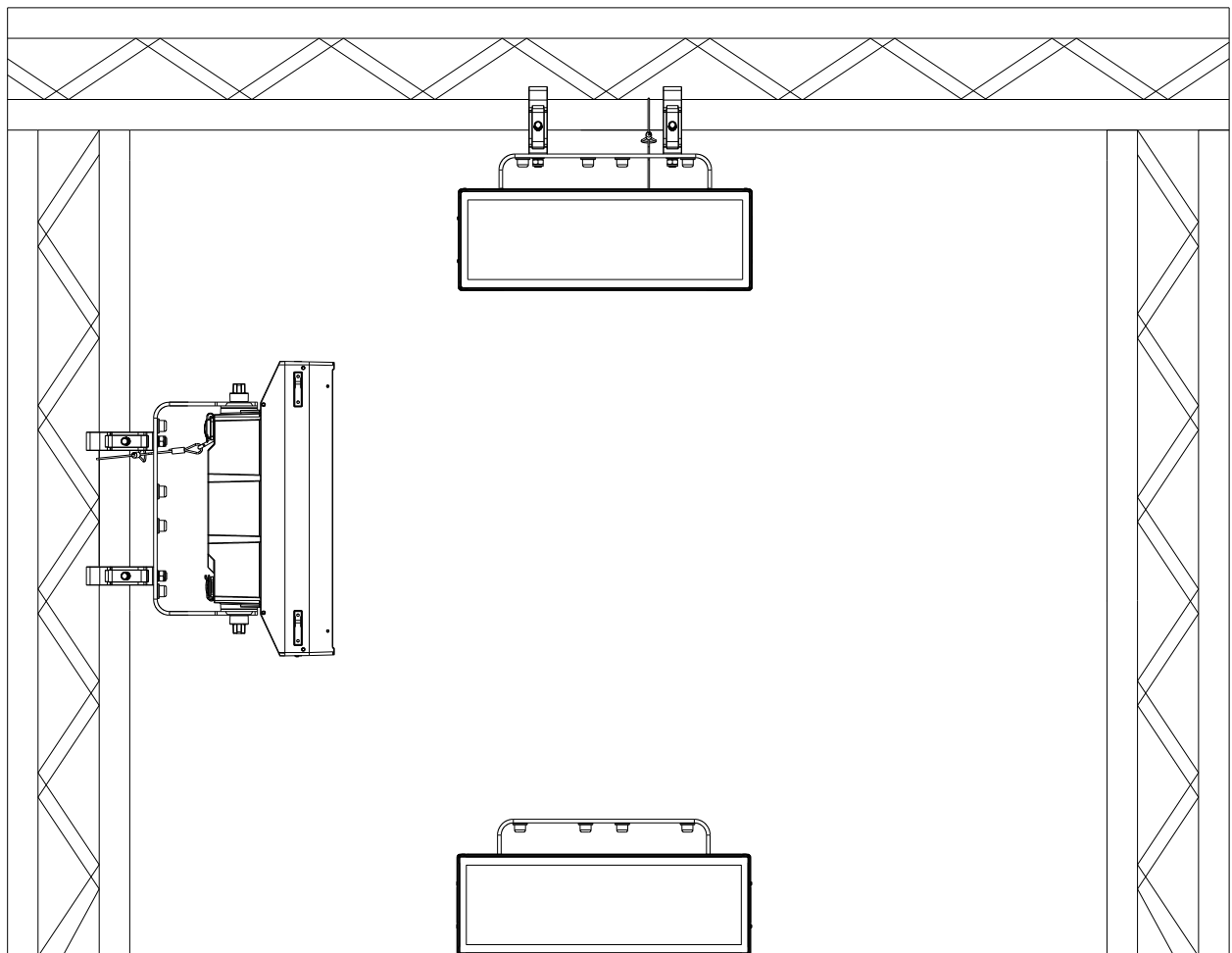
03/ Control Panel



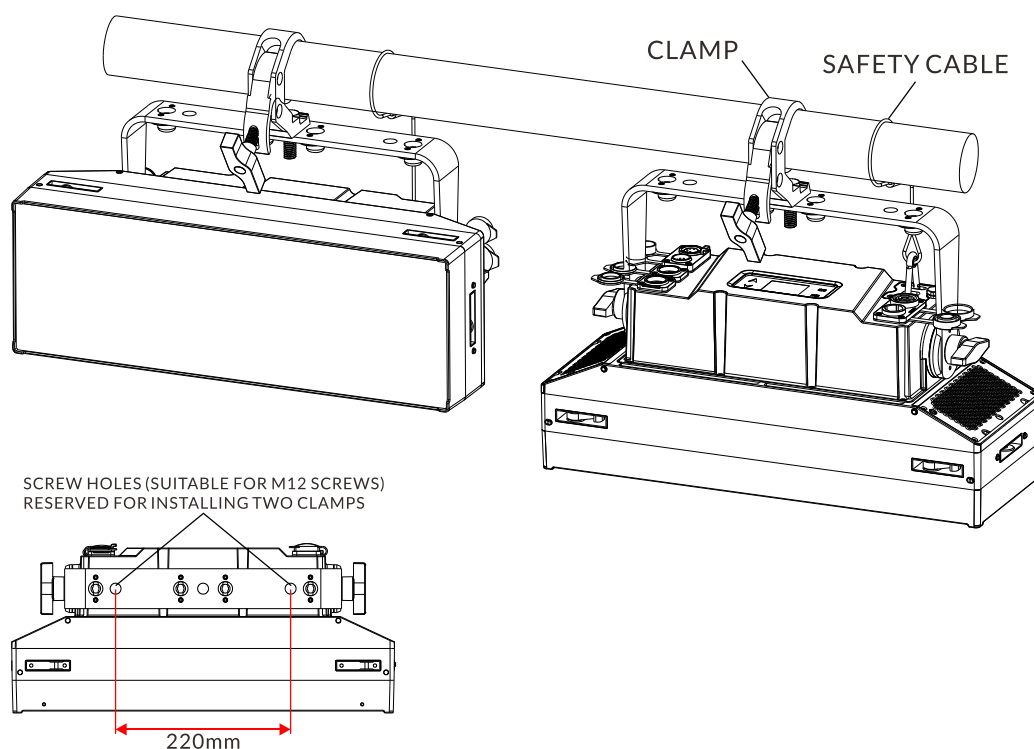
1. Display	To show the various menus and the selected function	
2. Buttons	MENU	To enter into move backward or leave the menu
	▲ UP	To go backward to move up in the menu
	▼ DOWN	To go forward to move down in the menu
	ENTER	To perform the desired functions
3. RELEASE VALVE		
4. SAFETY CABLE ATTACHMENT POINT		
5. POWER OUT	To connect to the next fixture	
6. POWER IN	To connect to supply power	
7. ETHERNET	Transfers fixture's information to a main controller	
8. 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)	
9. 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

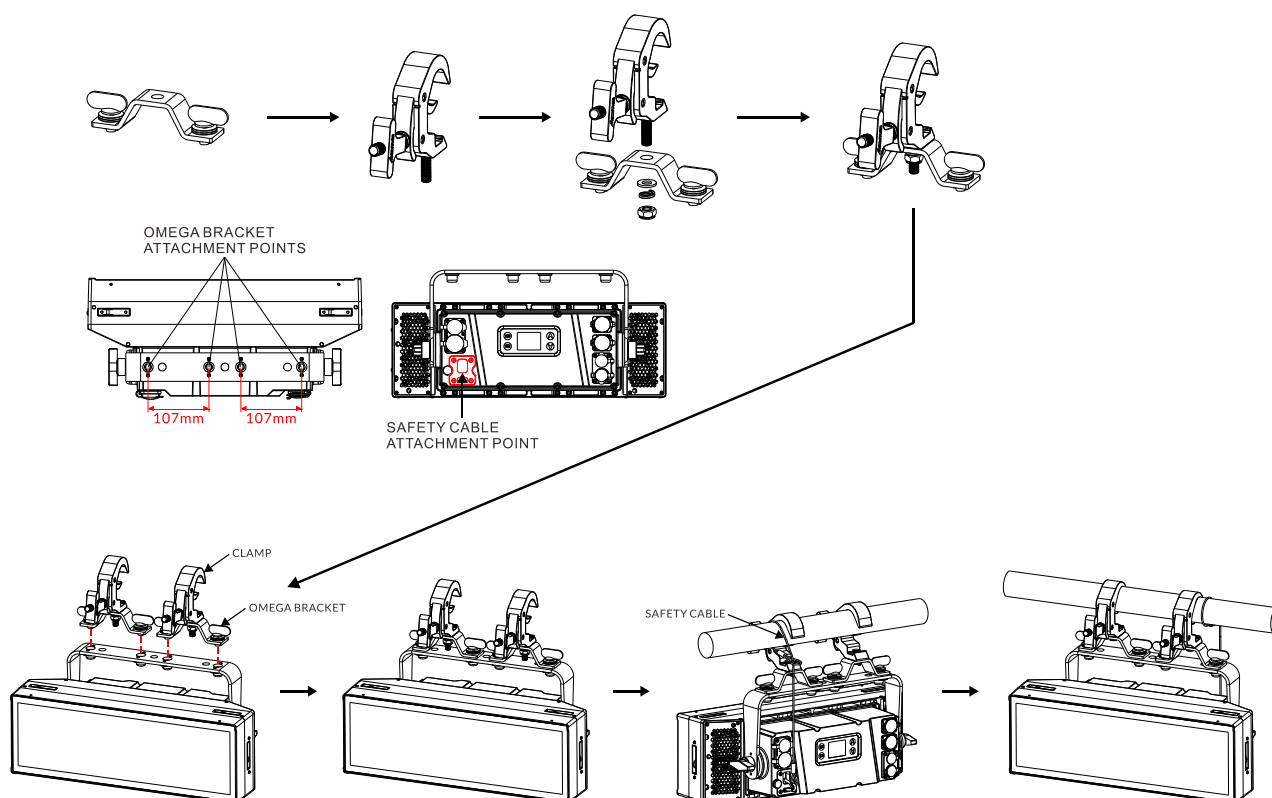
- ▶ DO install and operate by qualified operator. Fixture(s) should be installed in areas outside walking paths, seating areas, or away from areas where unauthorized personnel might reach the fixture by hand. NEVER stand directly below the fixture(s) when rigging, removing or servicing.
- ▶ Always ensure 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.



4.1 Hanging the Fixture

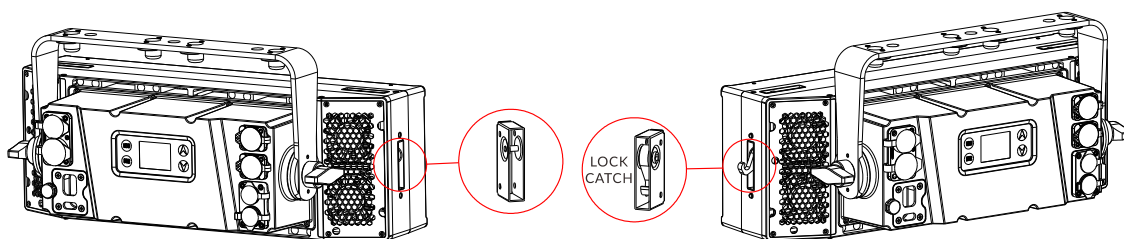


4.2 Steps for Installing Omega Brackets to the Fixture

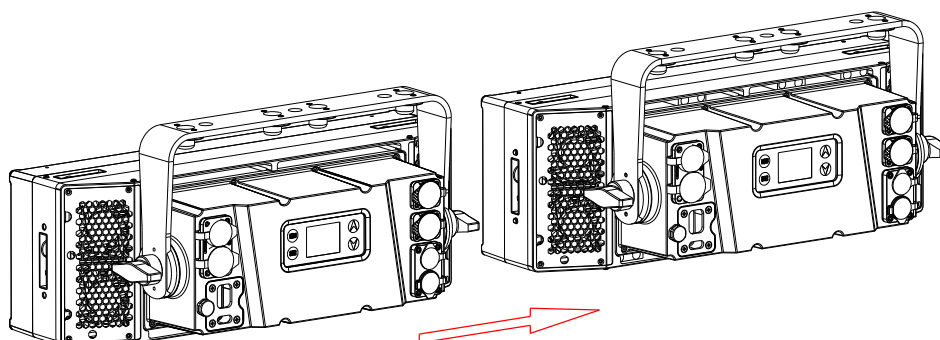


4.3 Splicing Multiple Fixtures

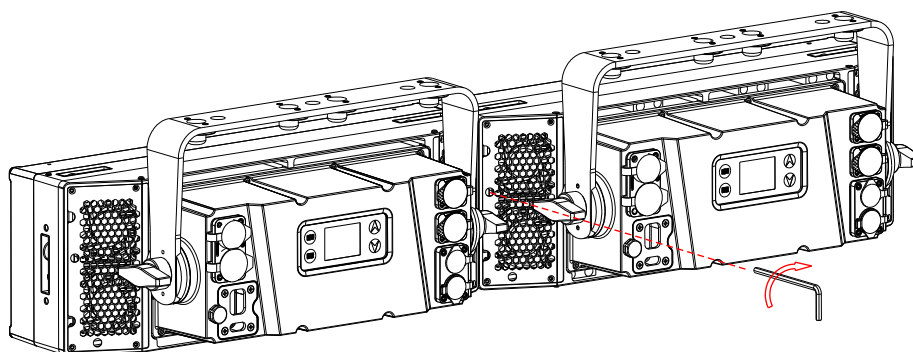
Splicing fixtures horizontally:



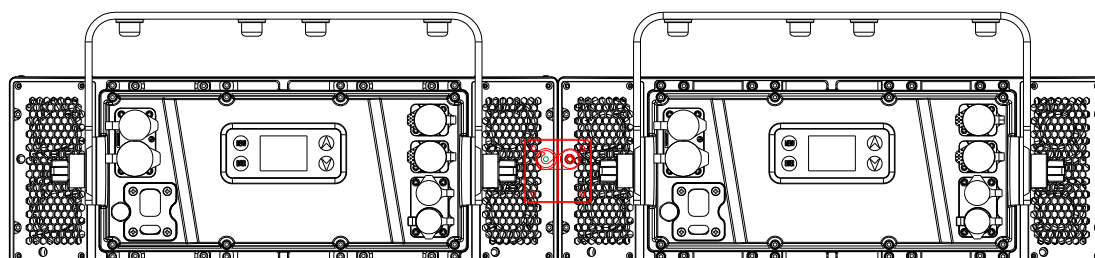
1. Place both fixtures nicely against each other in line.



2. Insert the hex wrench into the hexagonal slot and tighten it clockwise to release and secure the locking mechanism inside the fixture with the other fixture.



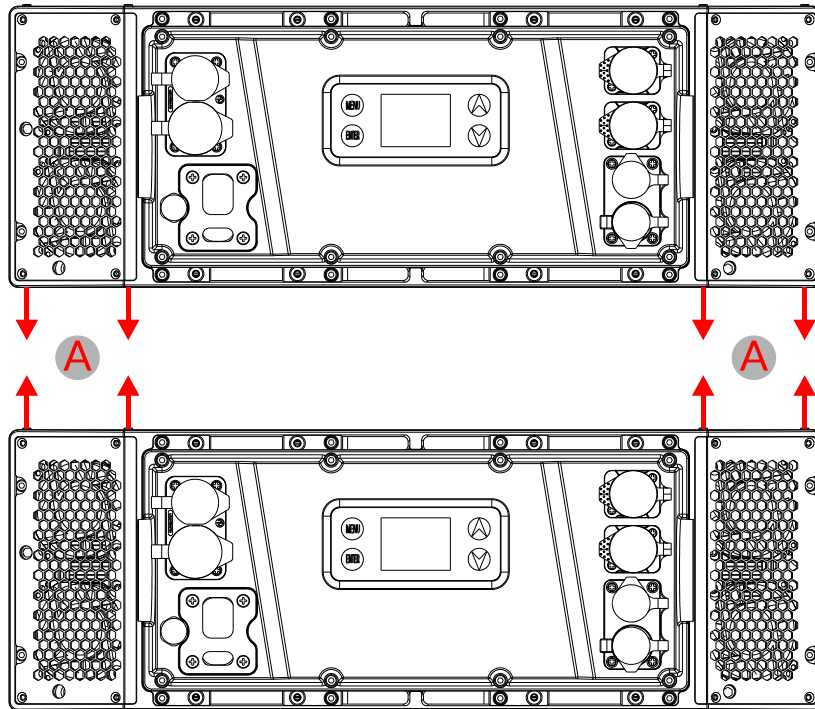
3. After splicing, check whether the locking mechanism is locked in place.



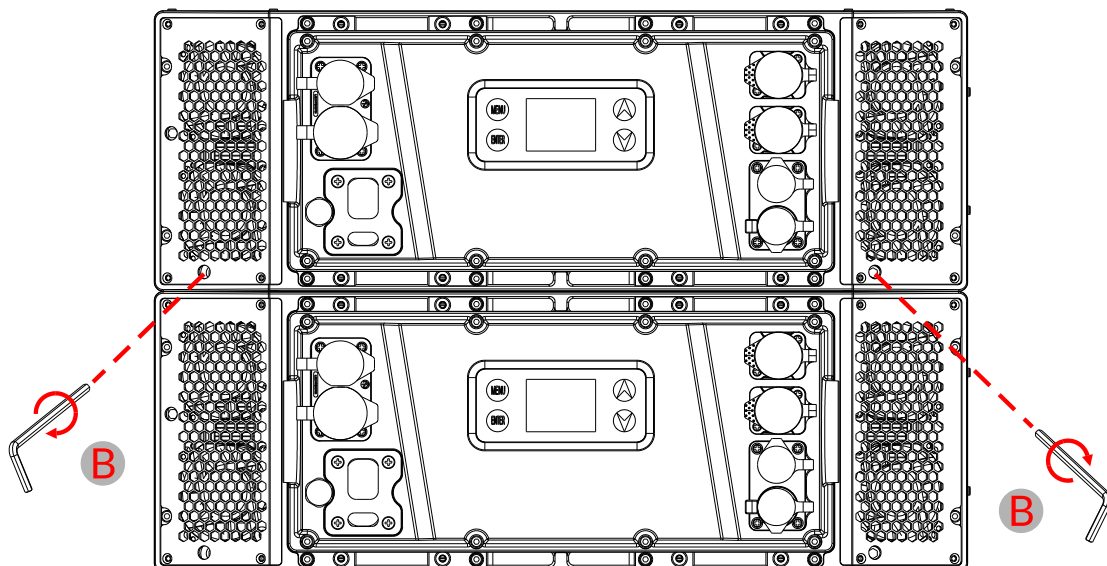
If you need to splice more fixtures, repeat the steps above.
To detach the fixtures, simply reverse the steps mentioned above.

Splicing fixtures vertically:

A. Place both fixtures nicely against each other in line.

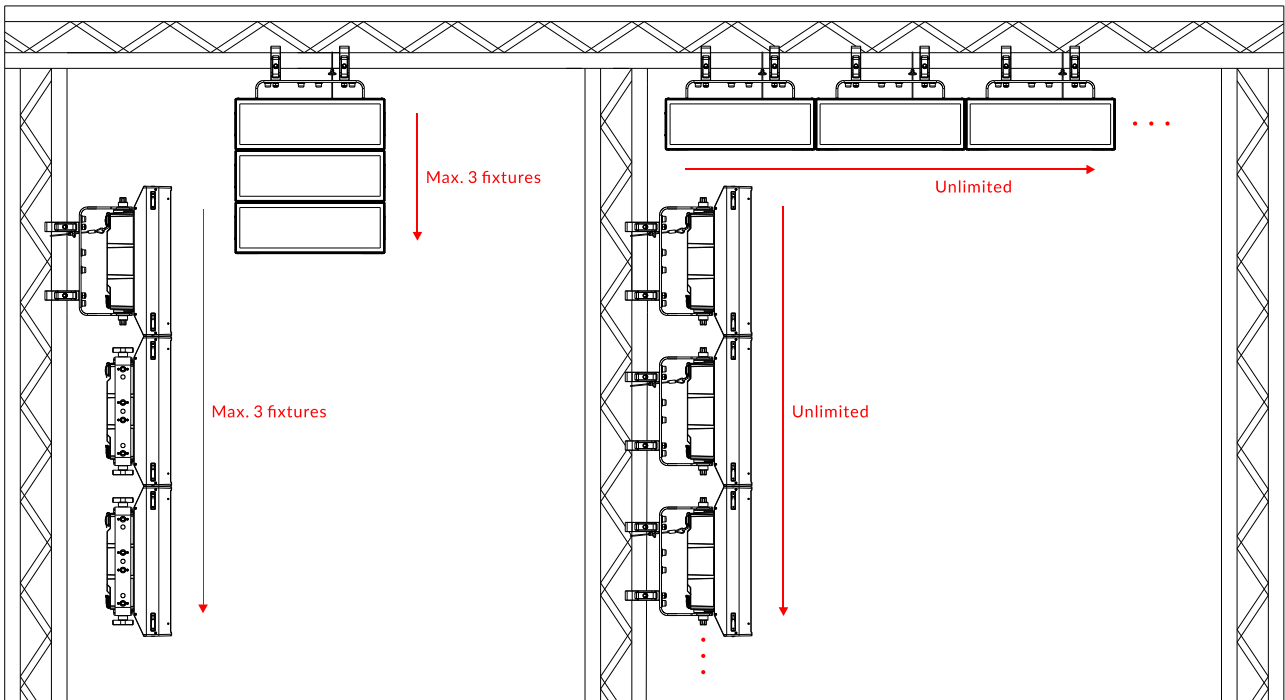


B. Insert the hex wrench into the hexagonal slots and tighten them clockwise to release and secure the locking mechanisms inside the fixture with the other fixture.



If you need to splice more fixtures, repeat the steps above.
To detach the fixtures, simply reverse the steps mentioned above.

Limitations on the number of splicing fixtures



Note: The number of the splicing fixtures depends on whether or not each fixture is secured with its clamps and safety cable.

The connecting quantity should be unlimited if each fixture is secured with its clamps and safety cable, either horizontally or vertically.

If only one fixture is secured with its clamps and safety cable, a maximum of 3 fixtures is allowed to be spliced.

For safety reasons, we strongly recommend that you use clamps and safety cables to secure all fixtures when splicing them together to prevent them from falling and causing injury or death.

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	1-503 (10 CH)	(Default=1)
		1-496 (17 CH)	
		1-489 (24 CH)	
		1-492 (21 CH)	
		1-487 (26 CH)	
		1-477 (36 CH)	
		1-472 (41 CH)	
		1-452 (61 CH)	
		1-363 (150 CH)	
		1-355 (158 CH)	
	DMX Channel Mode	10 CH	
		17 CH	
		24 CH	
		21 CH	
		26 CH	
		36 CH	
		41 CH	
		61 CH	
		150 CH	
		158 CH	
	No DMX Status	Blackout	
		Hold	
		Manual	

MENU	SUBMENU	OPTIONS	
	View DMX Value		
	Connect Option	Auto	
		DMX	
		Art-Net	
		sACN	
	Network	IP Address	Default1:xxx.xxx.xxx.xxx
			Default2:xxx.xxx.xxx.xxx
			Manual:xxx.xxx.xxx.xxx
		Subnet Mask	xxx.xxx.xxx.xxx
		Net	0-127
		Sub-Net	0-15
		Universe	0-15
Fixture Settings	Dimmer Curve	Linear	
		Square Law	
		Inv SQ Law	
		S Curve	
	Dimmer Speed	Fast	
		Smooth	
	White Balance	Red	125-255
		Green	125-255
		Blue	125-255
	Led Refresh Rate	900Hz	
		1000Hz	
		1100Hz	
		1200Hz	
		1300Hz	
		1400Hz	
		1500Hz	
		2500Hz	
		4000Hz	
		5000Hz	
		10000Hz	
		15000Hz	
		20000Hz	
		25000Hz	

MENU	SUBMENU	OPTIONS				
Display Settings	Display Invert	No				
		Yes				
	Backlight Intensity	1-10	(Default=10)			
	Temperature Unit	°C				
		°F				
	Language	English				
		Chinese				
Fixture Test	Auto Test					
	Manual Test	Mode 1		Mode 2		
		Clear	No/Yes	Clear	No/Yes	
		Red	0-255	Red 1	0-255	
		Green	0-255	Green 1	0-255	
		Blue	0-255	Blue 1	0-255	
		White	0-255	White 1	0-255	
		White(CW)	0-255	Red 2	0-255	
		Intensity	0-255	Green 2	0-255	
		Intensity Fine	0-255	Blue 2	0-255	
		Duration	0-255	White 2	0-255	
		Rate	0-255			
		Frost	0-255	Red 30	0-255	
				Green 30	0-255	
				Blue 30	0-255	
				White 30	0-255	
				White 1 (CW)	0-255	
						
				White 30 (CW)	0-255	

MENU	SUBMENU	OPTIONS				
Fixture Information	Fixture Use Hour					
	LED Use Hour	Total LED Hour				
		LED On Hour				
		LED Hours Reset	Password=050			
	Temperature	LED's		Cur	Max	
			LED 1			
			LED 2			
			LED 3			
			CPU B-H			
	Fan State	Fan 1				
		Fan 2				
		Fan 3				
		Fan 4				
		Power Fan				
	Firmware Version					
	RDM UID					
	Error Logs	Fixture Errors				
Reset Error Log		No				
		Yes	Password=050			
Special Function	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**, **DMX 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
10 CH	1-503
17 CH	1-496
24 CH	1-489
21 CH	1-492
26 CH	1-487
36 CH	1-477
41 CH	1-472
61 CH	1-452
150 CH	1-363
158 CH	1-355

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

DMX Channel Mode

Select **DMX Channel Mode**, press ENTER.

Use UP/DOWN button to select between **10 CH**, **17 CH**, **24 CH**, **21 CH**, **26 CH**, **36 CH**, **41 CH**, **61 CH**, **150 CH** and **158 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:

Blackout (Fixture blacks out if DMX signal stops)

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

Manual (The device accepts the DMX value stored in the 'Manual Test' 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

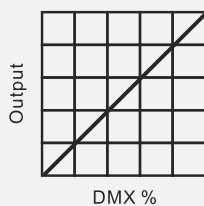
Enter the control menu and select **Fixture Settings**, press ENTER. Use the UP/DOWN button to select **Dimmer Curve**, **Dimmer Speed**, **White Balance** or **Led Refresh Rate**.

Dimmer Curve

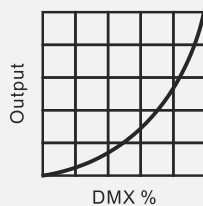
Select **Dimmer Curve**, press ENTER.

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

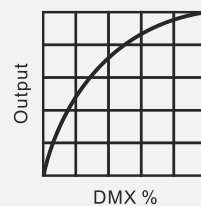
Dimmer Modes



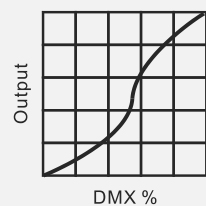
Optically Linear



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**, **Green** or **Blue**, 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.

Led Refresh Rate

Select **Led Refresh Rate**, press ENTER.

Use UP/DOWN button to select **900Hz**, **1000Hz**, **1100Hz**, **1200Hz**, **1300Hz**, **1400Hz**, **1500Hz**, **2500Hz**, **4000Hz**, **5000Hz**, **10000Hz**, **15000Hz**, **20000Hz** or **25000Hz**, 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**, **Backlight Intensity**, **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.

Backlight Intensity

Select **Backlight Intensity**, press ENTER.

Use UP/DOWN button to select a value between **1** (dark) and **10** (bright), 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 Test**.

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 Test

Select **Manual Test**, 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.)

Fixture Information

Enter the control menu and select **Fixture 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 Function

Enter the control menu and select **Special Function**, 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 'Discovery'	Command 'Set'	Command '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		✓	✓
BOOT_SOFTWARE_VERSION_ID			✓
BOOT_SOFTWARE_VERSION_LABEL			✓
DMX_PERSONALITY		✓	✓
DMX_PERSONALITY_DESCRIPTION			✓
SENSOR_DEFINITION			✓
SENSOR_VALUE			✓
DEVICE_HOURS			✓
RESET_DEVICE		✓	
CURVE		✓	
DMX_STATE		✓	✓
DIMMER_SPEED		✓	✓
WHITE_BALANCE		✓	✓

✓ -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	0-255
Green	0-255
Blue	0-255
White	0-255
White(CW)	0-255
Red 1	0-255
Green 1	0-255
Blue 1	0-255
White 1	0-255
.....	
Red 30	0-255
Green 30	0-255
Blue 30	0-255
White 30	0-255
White 1(CW)	0-255
.....	
White 30(CW)	0-255

Red

Select **Red**, 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

Select **Green**, 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

Select **Blue**, 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

Select **White**, 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(CW)

Select **White(CW)**, 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.

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.

.....

Red 30

Select **Red 30**, 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 30

Select **Green 30**, 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 30

Select **Blue 30**, 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 30

Select **White 30**, 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(CW)

Select **White 1(CW)**, 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.

.....

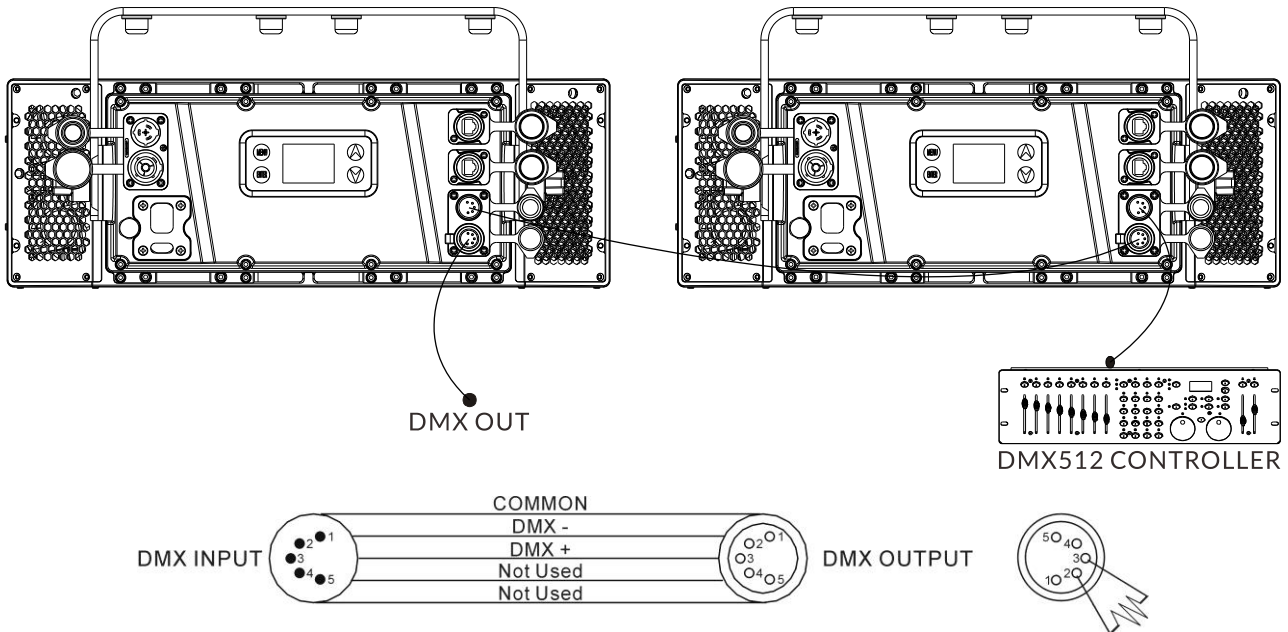
White 30(CW)

Select **White 30(CW)**, 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
10 channels	1	11	21	31
17 channels	1	18	35	52
24 channels	1	25	49	73
21 channels	1	22	43	64
26 channels	1	27	53	79
36 channels	1	37	73	109
41 channels	1	42	83	124
61 channels	1	62	123	184
150 channels	1	151	301	451
158 channels	1	159	317	475

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.

10 Channels (Mode 1):

CHANNEL	VALUE	FUNCTION
1	000-255	RED 0%→100%
2	000-255	GREEN 0%→100%
3	000-255	BLUE 0%→100%
4	000-255	WHITE 0%→100%
5	000-255	WHITE (CW) 0%→100%
6	000-005 006-255	DIMMER Null 0%→100%
7	000-255	DIMMER FINE
8	000-255	STROBE DURATION
9	000-005 006-255	STROBE RATE Blackout Strobe from Slow to Fast
10	000-255	FROST 0%→100%

17 Channels (Mode 2):

CHANNEL	VALUE	FUNCTION
1	000-255	RED 0%→100%
2	000-255	GREEN 0%→100%
3	000-255	BLUE 0%→100%
4	000-255	WHITE 0%→100%
5		COLOR MACRO
	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	Color 31
	241-247	Color 32
	248-255	Color 33

000
001-004
005-009
010-013
014-018
019-022
023-027
028-031
032-036
037-040
041-045
046-049
050-054
055-058
059-063
064-067
068-072
073-076
077-081
082-085
086-090
091-094
095-099
100-103
104-108
109-112
113-117
118-121
122-126
127-130
131-135
136-139
140-144
145-148
149-153
154-157
158-162
163-166
167-171
172-175
176-180
181-184
185-189
190-193
194-198
199-202
203-207

CTO
Null
8000K
7900K
7800K
7700K
7600K
7500K
7400K
7300K
7200K
7100K
7000K
6900K
6800K
6700K
6600K
6500K
6400K
6300K
6200K
6100K
6000K
5900K
5800K
5700K
5600K
5500K
5400K
5300K
5200K
5100K
5000K
4900K
4800K
4700K
4600K
4500K
4400K
4300K
4200K
4100K
4000K
3900K
3800K
3700K
3600K
3500K

	208-211 212-216 217-220 221-225 226-229 230-234 235-238 239-243 244-247 248-255	3400K 3300K 3200K 3100K 3000K 2900K 2800K 2700K 2600K 2500K
7	000-255	WHITE (CW) 0%→100%
8	000-005 006-255	DIMMER Null 0%→100%
9	000-255	DIMMER FINE
10	000-255	STROBE DURATION
11	000-005 006-255	STROBE RATE Blackout Strobe from Slow to Fast
12	000-005 006-050 051-100 101-150 151-200 201-255	STROBE Null Ramp up Ramp down Ramp up-down Lightning Random
13	000-022 023-030 031-039 040-048 049-057 058-066 067-075 076-084 085-093 094-102 103-111 112-120 121-129 130-138 139-147 148-156 157-165 166-174	MACRO (RGBW) Null Macro 1 Macro 2 Macro 3 Macro 4 Macro 5 Macro 6 Macro 7 Macro 8 Macro 9 Macro 10 Macro 11 Macro 12 Macro 13 Macro 14 Macro 15 Macro 16 Macro 17

	175-183 184-192 193-201 202-210 211-219 220-228 229-237 238-246 247-255	Macro 18 Macro 19 Macro 20 Macro 21 Macro 22 Macro 23 Macro 24 Macro 25 Macro 26
14	000-022 023-030 031-039 040-048 049-057 058-066 067-075 076-084 085-093 094-102 103-111 112-120 121-129 130-138 139-147 148-156 157-165 166-174 175-183 184-192 193-201 202-210 211-219 220-228 229-237 238-246 247-255	MACRO (CW) Null Macro 1 Macro 2 Macro 3 Macro 4 Macro 5 Macro 6 Macro 7 Macro 8 Macro 9 Macro 10 Macro 11 Macro 12 Macro 13 Macro 14 Macro 15 Macro 16 Macro 17 Macro 18 Macro 19 Macro 20 Macro 21 Macro 22 Macro 23 Macro 24 Macro 25 Macro 26
15	000-127 128-255	MACRO SPEED Normal, Slow to Fast Inversion, Slow to Fast
16	000-255	FADE 0%→100%
17	000-255	FROST 0%→100%

24 Channels (Mode 3):

CHANNEL	VALUE	FUNCTION
1	000-255	RED 0%→100%
2	000-255	GREEN 0%→100%
3	000-255	BLUE 0%→100%
4	000-255	WHITE 0%→100%
5		COLOR MACRO
	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	Color 31
	241-247	Color 32
	248-255	Color 33

000
001-004
005-009
010-013
014-018
019-022
023-027
028-031
032-036
037-040
041-045
046-049
050-054
055-058
059-063
064-067
068-072
073-076
077-081
082-085
086-090
091-094
095-099
100-103
104-108
109-112
113-117
118-121
122-126
127-130
131-135
136-139
140-144
145-148
149-153
154-157
158-162
163-166
167-171
172-175
176-180
181-184
185-189
190-193
194-198
199-202
203-207

CTO
Null
8000K
7900K
7800K
7700K
7600K
7500K
7400K
7300K
7200K
7100K
7000K
6900K
6800K
6700K
6600K
6500K
6400K
6300K
6200K
6100K
6000K
5900K
5800K
5700K
5600K
5500K
5400K
5300K
5200K
5100K
5000K
4900K
4800K
4700K
4600K
4500K
4400K
4300K
4200K
4100K
4000K
3900K
3800K
3700K
3600K
3500K

	208-211 212-216 217-220 221-225 226-229 230-234 235-238 239-243 244-247 248-255	3400K 3300K 3200K 3100K 3000K 2900K 2800K 2700K 2600K 2500K
7	000-005 006-255	DIMMER (RGBW) Null 0%→100%
8	000-255	DIMMER FINE (RGBW)
9	000-255	STROBE DURATION (RGBW)
10	000-005 006-255	STROBE RATE (RGBW) Blackout Strobe from Slow to Fast
11	000-005 006-050 051-100 101-150 151-200 201-255	STROBE (RGBW) Null Ramp up Ramp down Ramp up-down Lightning Random
12	000-022 023-030 031-039 040-048 049-057 058-066 067-075 076-084 085-093 094-102 103-111 112-120 121-129 130-138 139-147 148-156 157-165 166-174 175-183 184-192	MACRO (RGBW) Null Macro 1 Macro 2 Macro 3 Macro 4 Macro 5 Macro 6 Macro 7 Macro 8 Macro 9 Macro 10 Macro 11 Macro 12 Macro 13 Macro 14 Macro 15 Macro 16 Macro 17 Macro 18 Macro 19

	193-201 202-210 211-219 220-228 229-237 238-246 247-255	Macro 20 Macro 21 Macro 22 Macro 23 Macro 24 Macro 25 Macro 26
13	000-127 128-255	MACRO SPEED (RGBW) Normal, Slow to Fast Inversion, Slow to Fast
14	000-255	FADE (RGBW) 0%→100%
15	000-255	WHITE (CW) 0%→100%
16	000-005 006-255	DIMMER (CW) Null 0%→100%
17	000-255	DIMMER FINE (CW)
18	000-255	STROBE DURATION (CW)
19	000-005 006-255	STROBE RATE (CW) Blackout Strobe from Slow to Fast
20	000-005 006-050 051-100 101-150 151-200 201-255	STROBE (CW) Null Ramp up Ramp down Ramp up-down Lightning Random
21	000-022 023-030 031-039 040-048 049-057 058-066 067-075 076-084 085-093 094-102 103-111 112-120 121-129 130-138 139-147	MACRO (CW) Null Macro 1 Macro 2 Macro 3 Macro 4 Macro 5 Macro 6 Macro 7 Macro 8 Macro 9 Macro 10 Macro 11 Macro 12 Macro 13 Macro 14

	148-156 157-165 166-174 175-183 184-192 193-201 202-210 211-219 220-228 229-237 238-246 247-255	Macro 15 Macro 16 Macro 17 Macro 18 Macro 19 Macro 20 Macro 21 Macro 22 Macro 23 Macro 24 Macro 25 Macro 26
22	000-127 128-255	MACRO SPEED (CW) Normal, Slow to Fast Inversion, Slow to Fast
23	000-255	FADE (CW) 0%→100%
24	000-255	FROST 0%→100%

21 Channels (Mode 4):

CHANNEL	VALUE	FUNCTION
1	000-255	RED 1 0%→100%
2	000-255	GREEN 1 0%→100%
3	000-255	BLUE 1 0%→100%
4	000-255	WHITE 1 0%→100%
5	000-255	RED 2 0%→100%
6	000-255	GREEN 2 0%→100%
7	000-255	BLUE 2 0%→100%
8	000-255	WHITE 2 0%→100%
9	000-005 006-255	DIMMER (RGBW) Null 0%→100%
10	000-255	DIMMER FINE (RGBW)
11	000-255	STROBE DURATION (RGBW)

12	000-005 006-255	STROBE RATE (RGBW) Blackout Strobe from Slow to Fast
13	000-005 006-050 051-100 101-150 151-200 201-255	STROBE (RGBW) Null Ramp up Ramp down Ramp up-down Lightning Random
14	000-255	WHITE 1 (CW) 0%→100%
15	000-255	WHITE 2 (CW) 0%→100%
16	000-005 006-255	DIMMER (CW) Null 0%→100%
17	000-255	DIMMER FINE (CW)
18	000-255	STROBE DURATION (CW)
19	000-005 006-255	STROBE RATE (CW) Blackout Strobe from Slow to Fast
20	000-005 006-050 051-100 101-150 151-200 201-255	STROBE (CW) Null Ramp up Ramp down Ramp up-down Lightning Random
21	000-255	FROST 0%→100%

26 Channels (Mode 5):

CHANNEL	VALUE	FUNCTION
1	000-255	RED 1 0%→100%
2	000-255	GREEN 1 0%→100%
3	000-255	BLUE 1 0%→100%
4	000-255	WHITE 1 0%→100%
5	000-255	RED 2 0%→100%
6	000-255	GREEN 2 0%→100%
7	000-255	BLUE 2 0%→100%
8	000-255	WHITE 2 0%→100%
9	000-255	RED 3 0%→100%
10	000-255	GREEN 3 0%→100%
11	000-255	BLUE 3 0%→100%
12	000-255	WHITE 3 0%→100%
13	000-005 006-255	DIMMER (RGBW) Null 0%→100%
14	000-255	DIMMER FINE (RGBW)
15	000-255	STROBE DURATION (RGBW)
16	000-005 006-255	STROBE RATE (RGBW) Blackout Strobe from Slow to Fast
17	000-005 006-050 051-100 101-150 151-200 201-255	STROBE (RGBW) Null Ramp up Ramp down Ramp up-down Lightning Random
18	000-255	WHITE 1 (CW) 0%→100%

19	000-255	WHITE 2 (CW) 0%→100%
20	000-255	WHITE 3 (CW) 0%→100%
21	000-005 006-255	DIMMER (CW) Null 0%→100%
22	000-255	DIMMER FINE (CW)
23	000-255	STROBE DURATION (CW)
24	000-005 006-255	STROBE RATE (CW) Blackout Strobe from Slow to Fast
25	000-005 006-050 051-100 101-150 151-200 201-255	STROBE (CW) Null Ramp up Ramp down Ramp up-down Lightning Random
26	000-255	FROST 0%→100%

36 Channels (Mode 6):

CHANNEL	VALUE	FUNCTION
1	000-255	RED 1 0%→100%
2	000-255	GREEN 1 0%→100%
3	000-255	BLUE 1 0%→100%
4	000-255	WHITE 1 0%→100%
5	000-255	RED 2 0%→100%
6	000-255	GREEN 2 0%→100%
7	000-255	BLUE 2 0%→100%
8	000-255	WHITE 2 0%→100%
9	000-255	RED 3 0%→100%

10	000-255	GREEN 3 0%→100%
11	000-255	BLUE 3 0%→100%
12	000-255	WHITE 3 0%→100%
13	000-255	RED 4 0%→100%
14	000-255	GREEN 4 0%→100%
15	000-255	BLUE 4 0%→100%
16	000-255	WHITE 4 0%→100%
17	000-255	RED 5 0%→100%
18	000-255	GREEN 5 0%→100%
19	000-255	BLUE 5 0%→100%
20	000-255	WHITE 5 0%→100%
21	000-005 006-255	DIMMER (RGBW) Null 0%→100%
22	000-255	DIMMER FINE (RGBW)
23	000-255	STROBE DURATION (RGBW)
24	000-005 006-255	STROBE RATE (RGBW) Blackout Strobe from Slow to Fast
25	000-005 006-050 051-100 101-150 151-200 201-255	STROBE (RGBW) Null Ramp up Ramp down Ramp up-down Lightning Random
26	000-255	WHITE 1 (CW) 0%→100%
27	000-255	WHITE 2 (CW) 0%→100%
28	000-255	WHITE 3 (CW) 0%→100%

29	000-255	WHITE 4 (CW) 0%→100%
30	000-255	WHITE 5 (CW) 0%→100%
31	000-005 006-255	DIMMER (CW) Null 0%→100%
32	000-255	DIMMER FINE (CW)
33	000-255	STROBE DURATION (CW)
34	000-005 006-255	STROBE RATE (CW) Blackout Strobe from Slow to Fast
35	000-005 006-050 051-100 101-150 151-200 201-255	STROBE (CW) Null Ramp up Ramp down Ramp up-down Lightning Random
36	000-255	FROST 0%→100%

41 Channels (Mode 7):

CHANNEL	VALUE	FUNCTION
1	000-255	RED 1 0%→100%
2	000-255	GREEN 1 0%→100%
3	000-255	BLUE 1 0%→100%
4	000-255	WHITE 1 0%→100%
5	000-255	RED 2 0%→100%
6	000-255	GREEN 2 0%→100%
7	000-255	BLUE 2 0%→100%
8	000-255	WHITE 2 0%→100%
9	000-255	RED 3 0%→100%

10	000-255	GREEN 3 0%→100%
11	000-255	BLUE 3 0%→100%
12	000-255	WHITE 3 0%→100%
13	000-255	RED 4 0%→100%
14	000-255	GREEN 4 0%→100%
15	000-255	BLUE 4 0%→100%
16	000-255	WHITE 4 0%→100%
17	000-255	RED 5 0%→100%
18	000-255	GREEN 5 0%→100%
19	000-255	BLUE 5 0%→100%
20	000-255	WHITE 5 0%→100%
21	000-255	RED 6 0%→100%
22	000-255	GREEN 6 0%→100%
23	000-255	BLUE 6 0%→100%
24	000-255	WHITE 6 0%→100%
25	000-005 006-255	DIMMER (RGBW) Null 0%→100%
26	000-255	DIMMER FINE (RGBW)
27	000-255	STROBE DURATION (RGBW)
28	000-005 006-255	STROBE RATE (RGBW) Blackout Strobe from Slow to Fast
29	000-005 006-050 051-100 101-150 151-200	STROBE (RGBW) Null Ramp up Ramp down Ramp up-down Lightning

	201-255	Random
30	000-255	WHITE 1 (CW) 0%→100%
31	000-255	WHITE 2 (CW) 0%→100%
32	000-255	WHITE 3 (CW) 0%→100%
33	000-255	WHITE 4 (CW) 0%→100%
34	000-255	WHITE 5 (CW) 0%→100%
35	000-255	WHITE 6 (CW) 0%→100%
36	000-005 006-255	DIMMER (CW) Null 0%→100%
37	000-255	DIMMER FINE (CW)
38	000-255	STROBE DURATION (CW)
39	000-005 006-255	STROBE RATE (CW) Blackout Strobe from Slow to Fast
40	000-005 006-050 051-100 101-150 151-200 201-255	STROBE (CW) Null Ramp up Ramp down Ramp up-down Lightning Random
41	000-255	FROST 0%→100%

61 Channels (Mode 8):

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

	000-255	0%→100%
22	000-255	GREEN 6 0%→100%
23	000-255	BLUE 6 0%→100%
24	000-255	WHITE 6 0%→100%
25	000-255	RED 7 0%→100%
26	000-255	GREEN 7 0%→100%
27	000-255	BLUE 7 0%→100%
28	000-255	WHITE 7 0%→100%
29	000-255	RED 8 0%→100%
30	000-255	GREEN 8 0%→100%
31	000-255	BLUE 8 0%→100%
32	000-255	WHITE 8 0%→100%
33	000-255	RED 9 0%→100%
34	000-255	GREEN 9 0%→100%
35	000-255	BLUE 9 0%→100%
36	000-255	WHITE 9 0%→100%
37	000-255	RED 10 0%→100%
38	000-255	GREEN 10 0%→100%
39	000-255	BLUE 10 0%→100%
40	000-255	WHITE 10 0%→100%
41	000-005 006-255	DIMMER (RGBW) Null 0%→100%
42	000-255	DIMMER FINE (RGBW)

43	000-255	STROBE DURATION (RGBW)
44	000-005 006-255	STROBE RATE (RGBW) Blackout Strobe from Slow to Fast
45	000-005 006-050 051-100 101-150 151-200 201-255	STROBE (RGBW) Null Ramp up Ramp down Ramp up-down Lightning Random
46	000-255	WHITE 1 (CW) 0%→100%
47	000-255	WHITE 2 (CW) 0%→100%
48	000-255	WHITE 3 (CW) 0%→100%
49	000-255	WHITE 4 (CW) 0%→100%
50	000-255	WHITE 5 (CW) 0%→100%
51	000-255	WHITE 6 (CW) 0%→100%
52	000-255	WHITE 7 (CW) 0%→100%
53	000-255	WHITE 8 (CW) 0%→100%
54	000-255	WHITE 9 (CW) 0%→100%
55	000-255	WHITE 10 (CW) 0%→100%
56	000-005 006-255	DIMMER (CW) Null 0%→100%
57	000-255	DIMMER FINE (CW)
58	000-255	STROBE DURATION (CW)
59	000-005 006-255	STROBE RATE (CW) Blackout Strobe from Slow to Fast
60	000-005 006-050 051-100 101-150	STROBE (CW) Null Ramp up Ramp down Ramp up-down

	151-200 201-255	Lightning Random
61	000-255	FROST 0%→100%

150 Channels (Mode 9):

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

19	000-255	BLUE 5 0%→100%
20	000-255	WHITE 5 0%→100%
21	000-255	RED 6 0%→100%
22	000-255	GREEN 6 0%→100%
23	000-255	BLUE 6 0%→100%
24	000-255	WHITE 6 0%→100%
25	000-255	RED 7 0%→100%
26	000-255	GREEN 7 0%→100%
27	000-255	BLUE 7 0%→100%
28	000-255	WHITE 7 0%→100%
29	000-255	RED 8 0%→100%
30	000-255	GREEN 8 0%→100%
31	000-255	BLUE 8 0%→100%
32	000-255	WHITE 8 0%→100%
33	000-255	RED 9 0%→100%
34	000-255	GREEN 9 0%→100%
35	000-255	BLUE 9 0%→100%
36	000-255	WHITE 9 0%→100%
37	000-255	RED 10 0%→100%
38	000-255	GREEN 10 0%→100%
39	000-255	BLUE 10 0%→100%
40	000-255	WHITE 10 0%→100%

41	000-255	RED 11 0%→100%
42	000-255	GREEN 11 0%→100%
43	000-255	BLUE 11 0%→100%
44	000-255	WHITE 11 0%→100%
45	000-255	RED 12 0%→100%
46	000-255	GREEN 12 0%→100%
47	000-255	BLUE 12 0%→100%
48	000-255	WHITE 12 0%→100%
49	000-255	RED 13 0%→100%
50	000-255	GREEN 13 0%→100%
51	000-255	BLUE 13 0%→100%
52	000-255	WHITE 13 0%→100%
53	000-255	RED 14 0%→100%
54	000-255	GREEN 14 0%→100%
55	000-255	BLUE 14 0%→100%
56	000-255	WHITE 14 0%→100%
57	000-255	RED 15 0%→100%
58	000-255	GREEN 15 0%→100%
59	000-255	BLUE 15 0%→100%
60	000-255	WHITE 15 0%→100%
61	000-255	RED 16 0%→100%
62	000-255	GREEN 16 0%→100%

63	000-255	BLUE 16 0%→100%
64	000-255	WHITE 16 0%→100%
65	000-255	RED 17 0%→100%
66	000-255	GREEN 17 0%→100%
67	000-255	BLUE 17 0%→100%
68	000-255	WHITE 17 0%→100%
69	000-255	RED 18 0%→100%
70	000-255	GREEN 18 0%→100%
71	000-255	BLUE 18 0%→100%
72	000-255	WHITE 18 0%→100%
73	000-255	RED 19 0%→100%
74	000-255	GREEN 19 0%→100%
75	000-255	BLUE 19 0%→100%
76	000-255	WHITE 19 0%→100%
77	000-255	RED 20 0%→100%
78	000-255	GREEN 20 0%→100%
79	000-255	BLUE 20 0%→100%
80	000-255	WHITE 20 0%→100%
81	000-255	RED 21 0%→100%
82	000-255	GREEN 21 0%→100%
83	000-255	BLUE 21 0%→100%
84	000-255	WHITE 21 0%→100%

85	000-255	RED 22 0%→100%
86	000-255	GREEN 22 0%→100%
87	000-255	BLUE 22 0%→100%
88	000-255	WHITE 22 0%→100%
89	000-255	RED 23 0%→100%
90	000-255	GREEN 23 0%→100%
91	000-255	BLUE 23 0%→100%
92	000-255	WHITE 23 0%→100%
93	000-255	RED 24 0%→100%
94	000-255	GREEN 24 0%→100%
95	000-255	BLUE 24 0%→100%
96	000-255	WHITE 24 0%→100%
97	000-255	RED 25 0%→100%
98	000-255	GREEN 25 0%→100%
99	000-255	BLUE 25 0%→100%
100	000-255	WHITE 25 0%→100%
101	000-255	RED 26 0%→100%
102	000-255	GREEN 26 0%→100%
103	000-255	BLUE 26 0%→100%
104	000-255	WHITE 26 0%→100%
105	000-255	RED 27 0%→100%
106	000-255	GREEN 27 0%→100%

107	000-255	BLUE 27 0%→100%
108	000-255	WHITE 27 0%→100%
109	000-255	RED 28 0%→100%
110	000-255	GREEN 28 0%→100%
111	000-255	BLUE 28 0%→100%
112	000-255	WHITE 28 0%→100%
113	000-255	RED 29 0%→100%
114	000-255	GREEN 29 0%→100%
115	000-255	BLUE 29 0%→100%
116	000-255	WHITE 29 0%→100%
117	000-255	RED 30 0%→100%
118	000-255	GREEN 30 0%→100%
119	000-255	BLUE 30 0%→100%
120	000-255	WHITE 30 0%→100%
121	000-255	WHITE 1 (CW) 0%→100%
122	000-255	WHITE 2 (CW) 0%→100%
123	000-255	WHITE 3 (CW) 0%→100%
124	000-255	WHITE 4 (CW) 0%→100%
125	000-255	WHITE 5 (CW) 0%→100%
126	000-255	WHITE 6 (CW) 0%→100%
127	000-255	WHITE 7 (CW) 0%→100%
128	000-255	WHITE 8 (CW) 0%→100%

129	000-255	WHITE 9 (CW) 0%→100%
130	000-255	WHITE 10 (CW) 0%→100%
131	000-255	WHITE 11 (CW) 0%→100%
132	000-255	WHITE 12 (CW) 0%→100%
133	000-255	WHITE 13 (CW) 0%→100%
134	000-255	WHITE 14 (CW) 0%→100%
135	000-255	WHITE 15 (CW) 0%→100%
136	000-255	WHITE 16 (CW) 0%→100%
137	000-255	WHITE 17 (CW) 0%→100%
138	000-255	WHITE 18 (CW) 0%→100%
139	000-255	WHITE 19 (CW) 0%→100%
140	000-255	WHITE 20 (CW) 0%→100%
141	000-255	WHITE 21 (CW) 0%→100%
142	000-255	WHITE 22 (CW) 0%→100%
143	000-255	WHITE 23 (CW) 0%→100%
144	000-255	WHITE 24 (CW) 0%→100%
145	000-255	WHITE 25 (CW) 0%→100%
146	000-255	WHITE 26 (CW) 0%→100%
147	000-255	WHITE 27 (CW) 0%→100%
148	000-255	WHITE 28 (CW) 0%→100%
149	000-255	WHITE 29 (CW) 0%→100%
150	000-255	WHITE 30 (CW) 0%→100%

158 Channels (Mode 10):

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

	000-255	0%→100%
22	000-255	GREEN 6 0%→100%
23	000-255	BLUE 6 0%→100%
24	000-255	WHITE 6 0%→100%
25	000-255	RED 7 0%→100%
26	000-255	GREEN 7 0%→100%
27	000-255	BLUE 7 0%→100%
28	000-255	WHITE 7 0%→100%
29	000-255	RED 8 0%→100%
30	000-255	GREEN 8 0%→100%
31	000-255	BLUE 8 0%→100%
32	000-255	WHITE 8 0%→100%
33	000-255	RED 9 0%→100%
34	000-255	GREEN 9 0%→100%
35	000-255	BLUE 9 0%→100%
36	000-255	WHITE 9 0%→100%
37	000-255	RED 10 0%→100%
38	000-255	GREEN 10 0%→100%
39	000-255	BLUE 10 0%→100%
40	000-255	WHITE 10 0%→100%
41	000-255	RED 11 0%→100%
42	000-255	GREEN 11 0%→100%

43	000-255	BLUE 11 0%→100%
44	000-255	WHITE 11 0%→100%
45	000-255	RED 12 0%→100%
46	000-255	GREEN 12 0%→100%
47	000-255	BLUE 12 0%→100%
48	000-255	WHITE 12 0%→100%
49	000-255	RED 13 0%→100%
50	000-255	GREEN 13 0%→100%
51	000-255	BLUE 13 0%→100%
52	000-255	WHITE 13 0%→100%
53	000-255	RED 14 0%→100%
54	000-255	GREEN 14 0%→100%
55	000-255	BLUE 14 0%→100%
56	000-255	WHITE 14 0%→100%
57	000-255	RED 15 0%→100%
58	000-255	GREEN 15 0%→100%
59	000-255	BLUE 15 0%→100%
60	000-255	WHITE 15 0%→100%
61	000-255	RED 16 0%→100%
62	000-255	GREEN 16 0%→100%
63	000-255	BLUE 16 0%→100%
64	000-255	WHITE 16 0%→100%

65	000-255	RED 17 0%→100%
66	000-255	GREEN 17 0%→100%
67	000-255	BLUE 17 0%→100%
68	000-255	WHITE 17 0%→100%
69	000-255	RED 18 0%→100%
70	000-255	GREEN 18 0%→100%
71	000-255	BLUE 18 0%→100%
72	000-255	WHITE 18 0%→100%
73	000-255	RED 19 0%→100%
74	000-255	GREEN 19 0%→100%
75	000-255	BLUE 19 0%→100%
76	000-255	WHITE 19 0%→100%
77	000-255	RED 20 0%→100%
78	000-255	GREEN 20 0%→100%
79	000-255	BLUE 20 0%→100%
80	000-255	WHITE 20 0%→100%
81	000-255	RED 21 0%→100%
82	000-255	GREEN 21 0%→100%
83	000-255	BLUE 21 0%→100%
84	000-255	WHITE 21 0%→100%
85	000-255	RED 22 0%→100%
86	000-255	GREEN 22 0%→100%

87	000-255	BLUE 22 0%→100%
88	000-255	WHITE 22 0%→100%
89	000-255	RED 23 0%→100%
90	000-255	GREEN 23 0%→100%
91	000-255	BLUE 23 0%→100%
92	000-255	WHITE 23 0%→100%
93	000-255	RED 24 0%→100%
94	000-255	GREEN 24 0%→100%
95	000-255	BLUE 24 0%→100%
96	000-255	WHITE 24 0%→100%
97	000-255	RED 25 0%→100%
98	000-255	GREEN 25 0%→100%
99	000-255	BLUE 25 0%→100%
100	000-255	WHITE 25 0%→100%
101	000-255	RED 26 0%→100%
102	000-255	GREEN 26 0%→100%
103	000-255	BLUE 26 0%→100%
104	000-255	WHITE 26 0%→100%
105	000-255	RED 27 0%→100%
106	000-255	GREEN 27 0%→100%
107	000-255	BLUE 27 0%→100%
108	000-255	WHITE 27 0%→100%

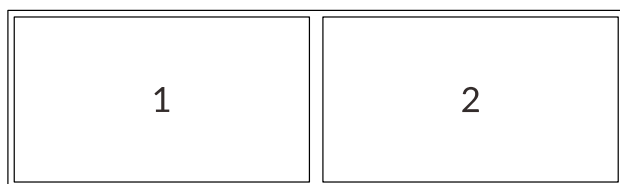
109	000-255	RED 28 0%→100%
110	000-255	GREEN 28 0%→100%
111	000-255	BLUE 28 0%→100%
112	000-255	WHITE 28 0%→100%
113	000-255	RED 29 0%→100%
114	000-255	GREEN 29 0%→100%
115	000-255	BLUE 29 0%→100%
116	000-255	WHITE 29 0%→100%
117	000-255	RED 30 0%→100%
118	000-255	GREEN 30 0%→100%
119	000-255	BLUE 30 0%→100%
120	000-255	WHITE 30 0%→100%
121	000-255	WHITE 1 (CW) 0%→100%
122	000-255	WHITE 2 (CW) 0%→100%
123	000-255	WHITE 3 (CW) 0%→100%
124	000-255	WHITE 4 (CW) 0%→100%
125	000-255	WHITE 5 (CW) 0%→100%
126	000-255	WHITE 6 (CW) 0%→100%
127	000-255	WHITE 7 (CW) 0%→100%
128	000-255	WHITE 8 (CW) 0%→100%
129	000-255	WHITE 9 (CW) 0%→100%
130	000-255	WHITE 10 (CW) 0%→100%

131	000-255	WHITE 11 (CW) 0%→100%
132	000-255	WHITE 12 (CW) 0%→100%
133	000-255	WHITE 13 (CW) 0%→100%
134	000-255	WHITE 14 (CW) 0%→100%
135	000-255	WHITE 15 (CW) 0%→100%
136	000-255	WHITE 16 (CW) 0%→100%
137	000-255	WHITE 17 (CW) 0%→100%
138	000-255	WHITE 18 (CW) 0%→100%
139	000-255	WHITE 19 (CW) 0%→100%
140	000-255	WHITE 20 (CW) 0%→100%
141	000-255	WHITE 21 (CW) 0%→100%
142	000-255	WHITE 22 (CW) 0%→100%
143	000-255	WHITE 23 (CW) 0%→100%
144	000-255	WHITE 24 (CW) 0%→100%
145	000-255	WHITE 25 (CW) 0%→100%
146	000-255	WHITE 26 (CW) 0%→100%
147	000-255	WHITE 27 (CW) 0%→100%
148	000-255	WHITE 28 (CW) 0%→100%
149	000-255	WHITE 29 (CW) 0%→100%
150	000-255	WHITE 30 (CW) 0%→100%
151	000-005 006-255	DIMMER Null 0%→100%
152	000-255	DIMMER FINE

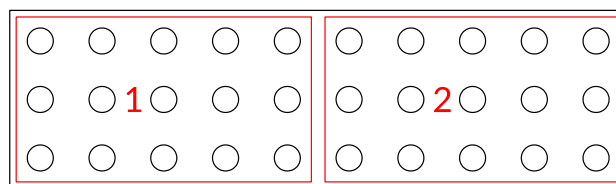
153	000-255	STROBE DURATION (RGBW)
154	000-005 006-255	STROBE RATE (RGBW) Blackout Strobe from Slow to Fast
155	000-255	STROBE DURATION (CW)
156	000-005 006-255	STROBE RATE (CW) Blackout Strobe from Slow to Fast
157	000-255	FROST 0%→100%
158	000-015 016-032 033-049 050-066 067-083 084-100 101-117 118-134 135-151 152-168 169-185 186-202 203-219 220-236 237-255	LED REFRESH RATE Default to Unit Setting 900Hz 1000Hz 1100Hz 1200Hz 1300Hz 1400Hz 1500Hz 2500Hz 4000Hz 5000Hz 10000Hz 15000Hz 20000Hz 25000Hz

LED PIXEL ZONES:

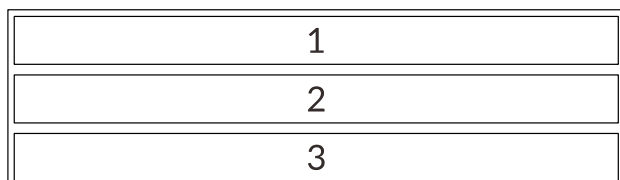
21-channel (RGBW)



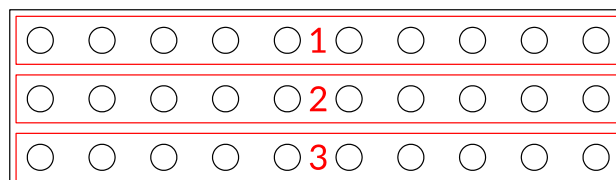
21-channel (CW)



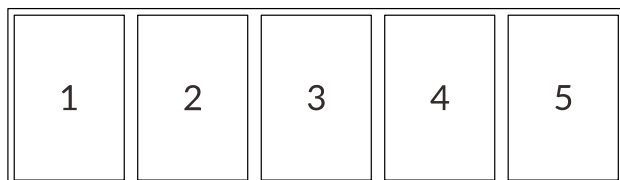
26-channel (RGBW)



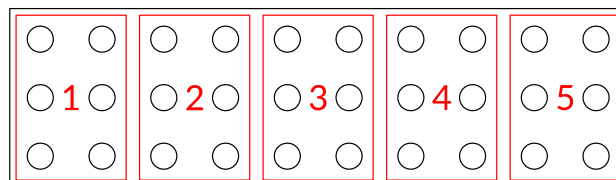
26-channel (CW)



36-channel (RGBW)



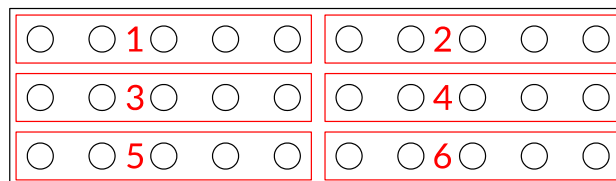
36-channel (CW)



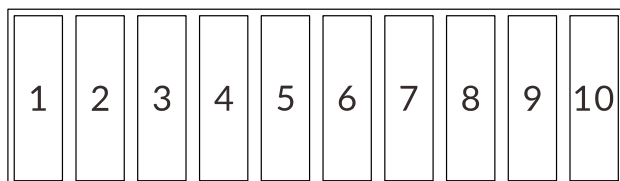
41-channel (RGBW)



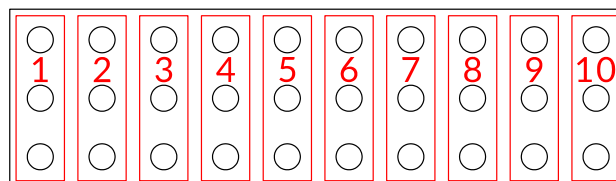
41-channel (CW)



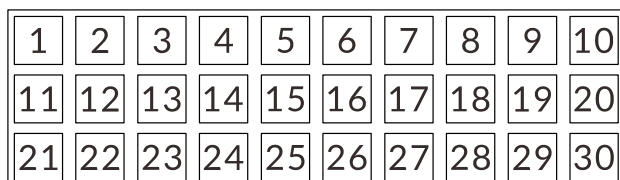
61-channel (RGBW)



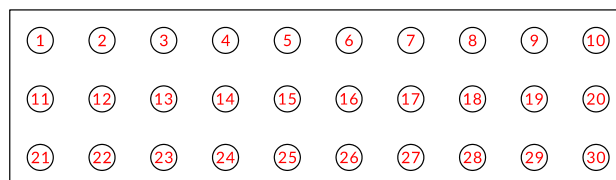
61-channel (CW)



150/158-channel (RGBW)



150/158-channel (CW)



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.

CPU-B/C/D/E/F/G/H Error

Check whether the 485 (DATA) leads on the PCB board are installed in place or disconnected.

Check whether the related 485 (DATA) signal circuit on the PCB board is damaged.

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.

Fan 1/2/3/4 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.

PSU 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.

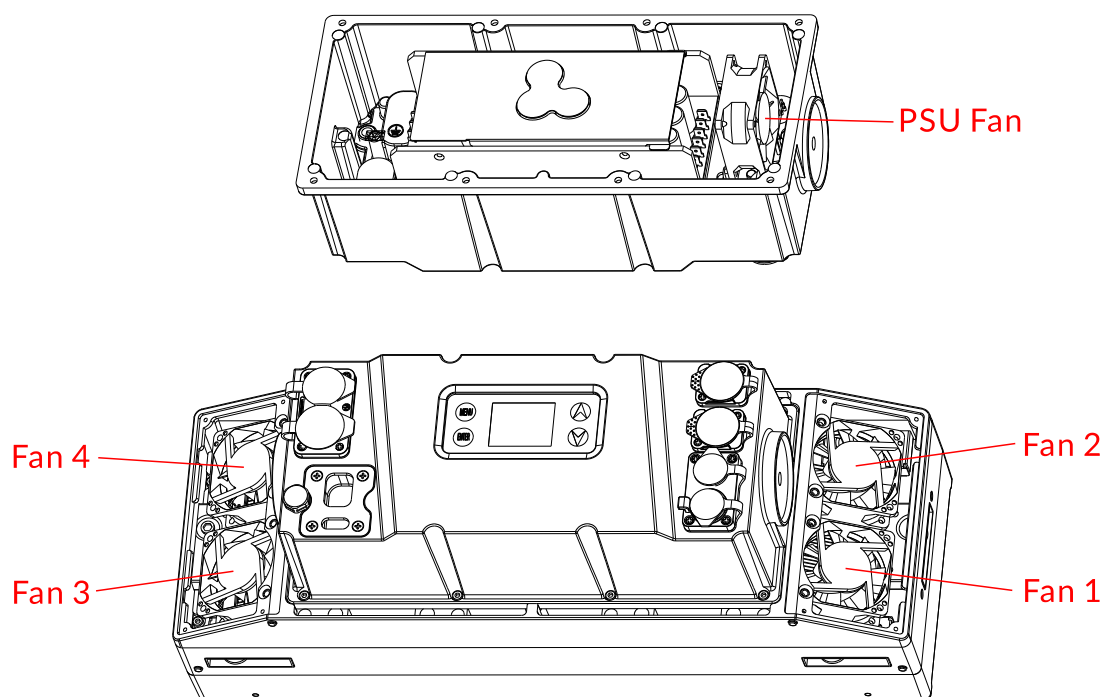
Check whether there are obstacles in the fan operating range.

Check whether the fan circuit on the motherboard breaks down.

Check whether the component is damaged.

Check whether the fan is out of order.

Position of cooling fans:



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+A1: 2021;
EN 61000-3-3: 2013+A1: 2019+A2: 2021.

&

Harmonized Standard

EN IEC 60598-2-17: 2018;
EN IEC 60598-1: 2021/A11: 2022.
Safety of household and similar electrical appliances
Part 1: General requirements and tests

Certifications

cETLus Approved (Control #5000057)



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