PIXEL LINE IP 500

User Manual

Please read the instruction carefully before use

CONTENTS

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℃. Maximum ambient temperature TA: 40℃. 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℃. 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 file 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.

Power Voltage	100-240V~ 50/60Hz	
Power Consumption	875W	
Light Source	336x0.5W RGB LED	
	112x6W CW LED	
Beam Angle	102° (RGB)	
	108° (CW)	
Field Angle	149° (RGB)	
	152° (CW)	
Dimmer/Strobe	0-100% smooth dimming; High output strobe effect	
Control	DMX Channel	8/16/22/26/56/10/18/34/37/62/39 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

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).

Features	16 RGB LED zones with individual control
	8 CW LED zones with individual control
	Outstanding color mixing effect
	Patented Smart Glass Technology for frost effects
	Equipped with an inventive quick-release mechanism that allows

	you to quickly connect and align multiple fixtures	
Dimensions	500x113.3x124.3mm	19.7"x4.5"x4.9"in
Weight	5.7kgs	12.6lbs
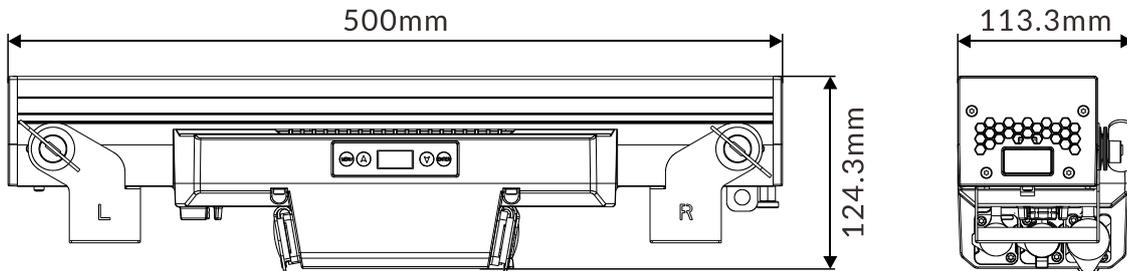
Photometric Diagram (Beam Angle):
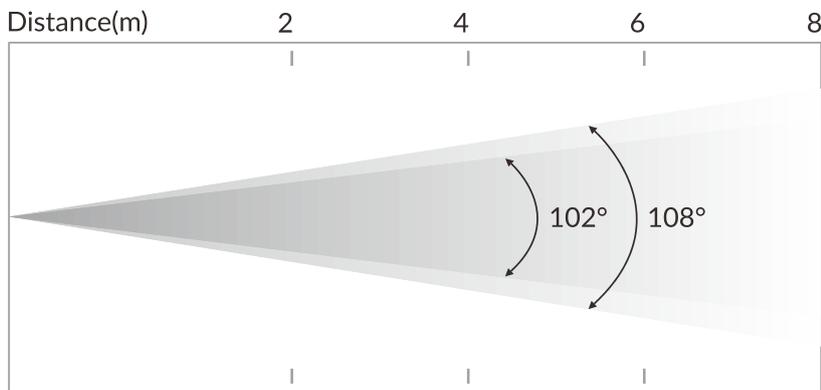
Distance(m)	2	4	6	8
102° RGB Lux	329	95	52	36
Diameter(m)	0.5	1.0	1.5	2.0
108° CW Lux	6,000	1,710	890	540
Diameter(m)	0.6	1.1	1.7	2.2

Photometric Diagram (Field Angle):
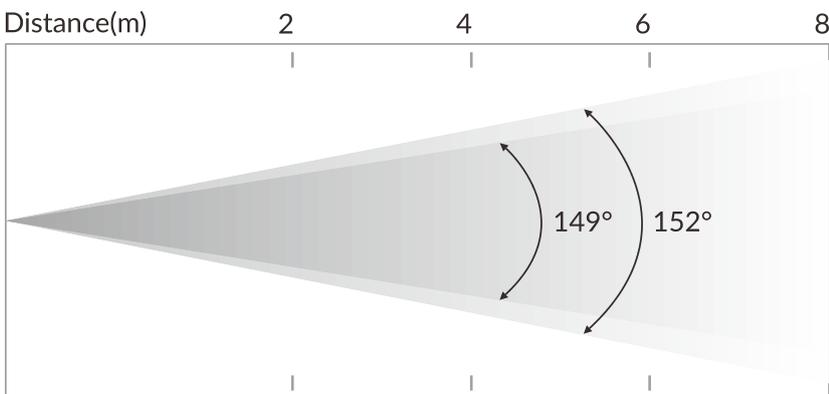
Distance(m)	2	4	6	8
149° RGB Lux	329	95	52	36
Diameter(m)	1.4	2.9	4.3	5.8
152° CW Lux	6,000	1,710	890	540
Diameter(m)	1.6	3.2	4.8	6.4
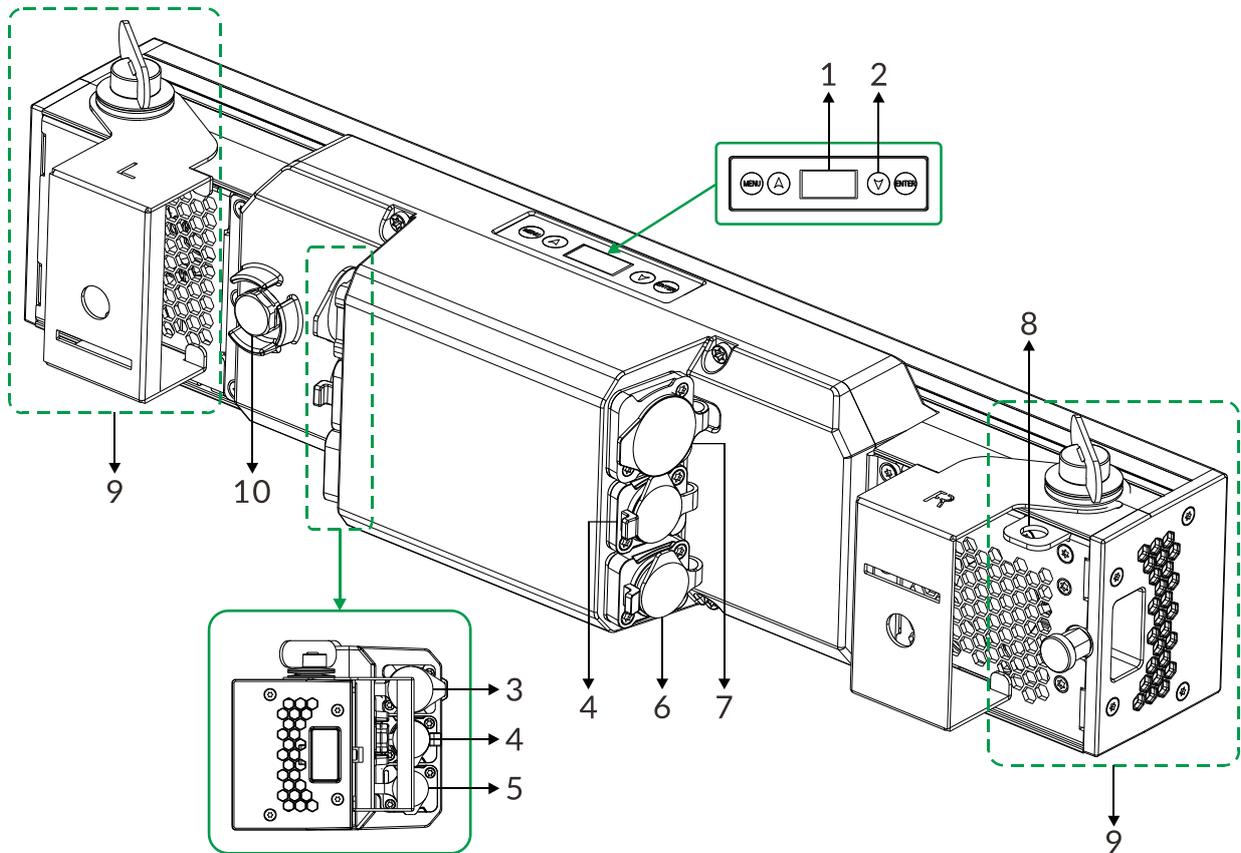
2. Display	To show the various menus and the selected function	
1. Buttons	MENU	To enter into move backward or leave the menu
	⋀ UP	To go backward to move up in the menu
	⋁ DOWN	To go forward to move down in the menu
	ENTER	To perform the desired functions
3. POWER IN	To connect to supply power	
4. ETHERNET	Transfers fixture's information to a main controller	
5. 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)	
6. 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)	
7. POWER OUT	To connect to the next fixture	
8. SAFETY CABLE ATTACHMENT POINT		
9. COUPLER MECHANISM	The coupler mechanism makes it possible to quickly connect and align two or a long line of fixtures together	
10. RELEASE VALVE		

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 were 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 the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.
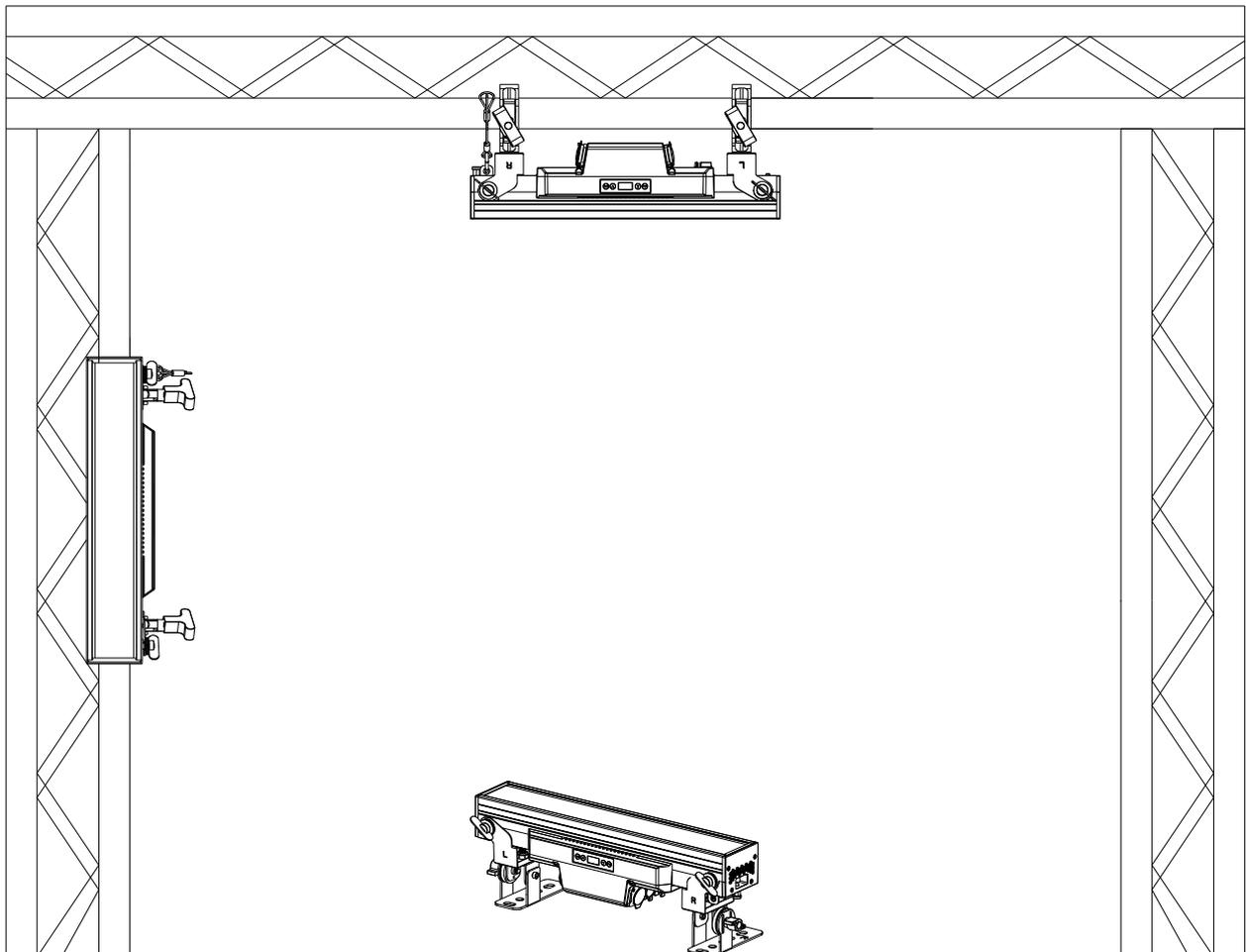
4.1 Stand the Fixture on the Floor

Two floor brackets:

A. Loosen the quick-lock bolts in a counterclockwise direction to unlock the quick-lock assemblies.

B. Tilt the quick-lock assemblies 45° and separate them from the fixture.

C. Attach the floor brackets to the quick-lock assemblies.

D. Insert the quick-lock assemblies by tilting them 45° to align with the holes.

E. Tighten the quick-lock bolts clockwise to secure the quick-lock assemblies.
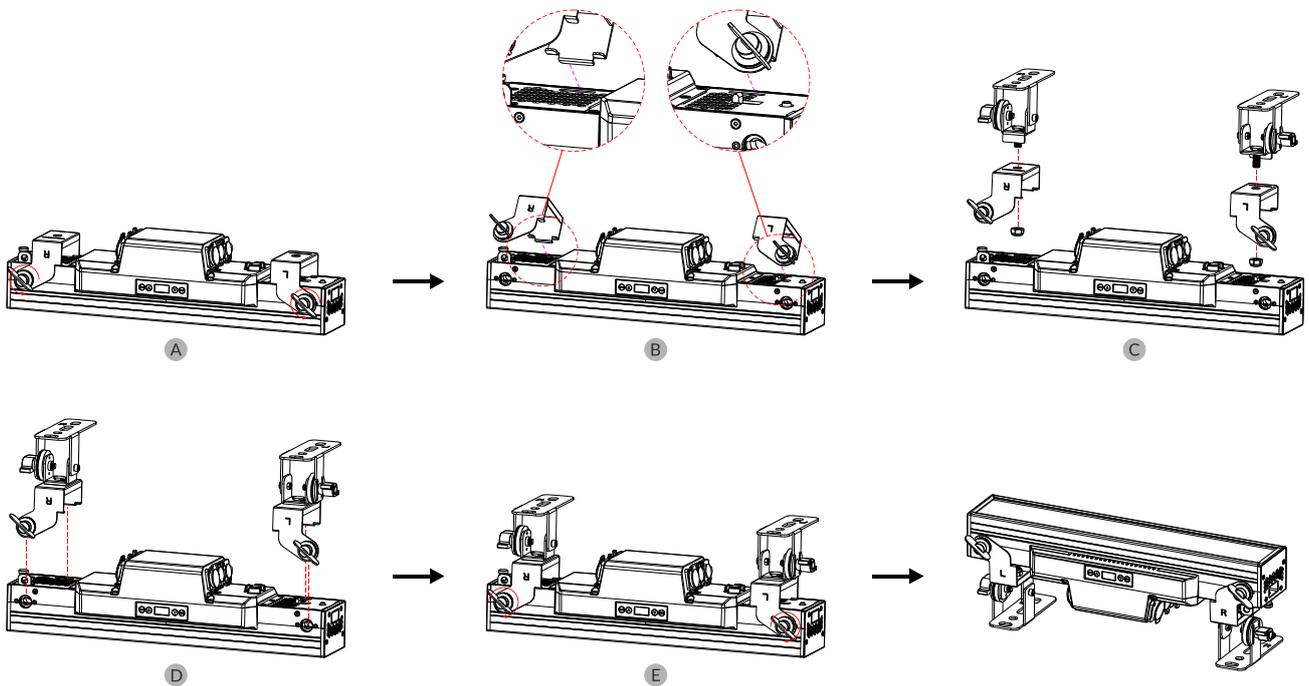
4.2 Fix the Fixture on a Wall

A. Drill four expansion screw holes (for M12 expansion screws) on a flat surface (such as the ground or a wall) according to the size shown in Figure ①.

B. 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.

C. 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.

D. After tightening the nuts, check whether the fixture is installed firmly, then adjust the fixture to the required angle through the bracket knob.
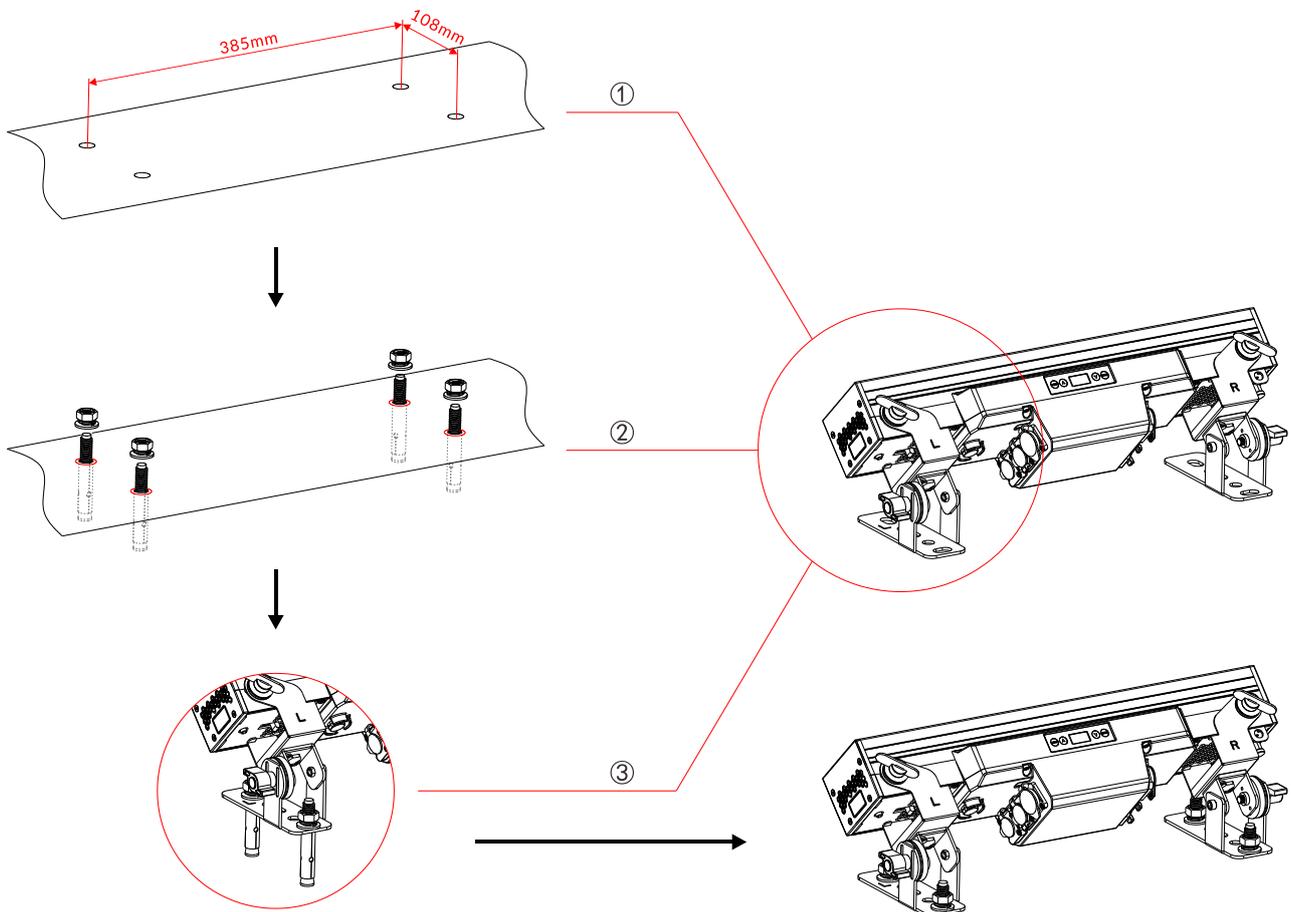
4.3 Steps for Installing the Clamp to the Fixture

Two clamps:

A. Loosen the quick-lock bolts in a counterclockwise direction to unlock the quick-lock assemblies.

B. Tilt the quick-lock assemblies 45° and separate them from the fixture.

C. Attach the clamps to the quick-lock assemblies.

D. Insert the quick-lock assemblies by tilting them 45° to align with the holes.

E. Tighten the quick-lock bolts clockwise to secure the quick-lock assemblies.

F. Hang the fixture by attaching and securing hanging clamps to truss. Pull the safety cable through the attachment point and around the truss.
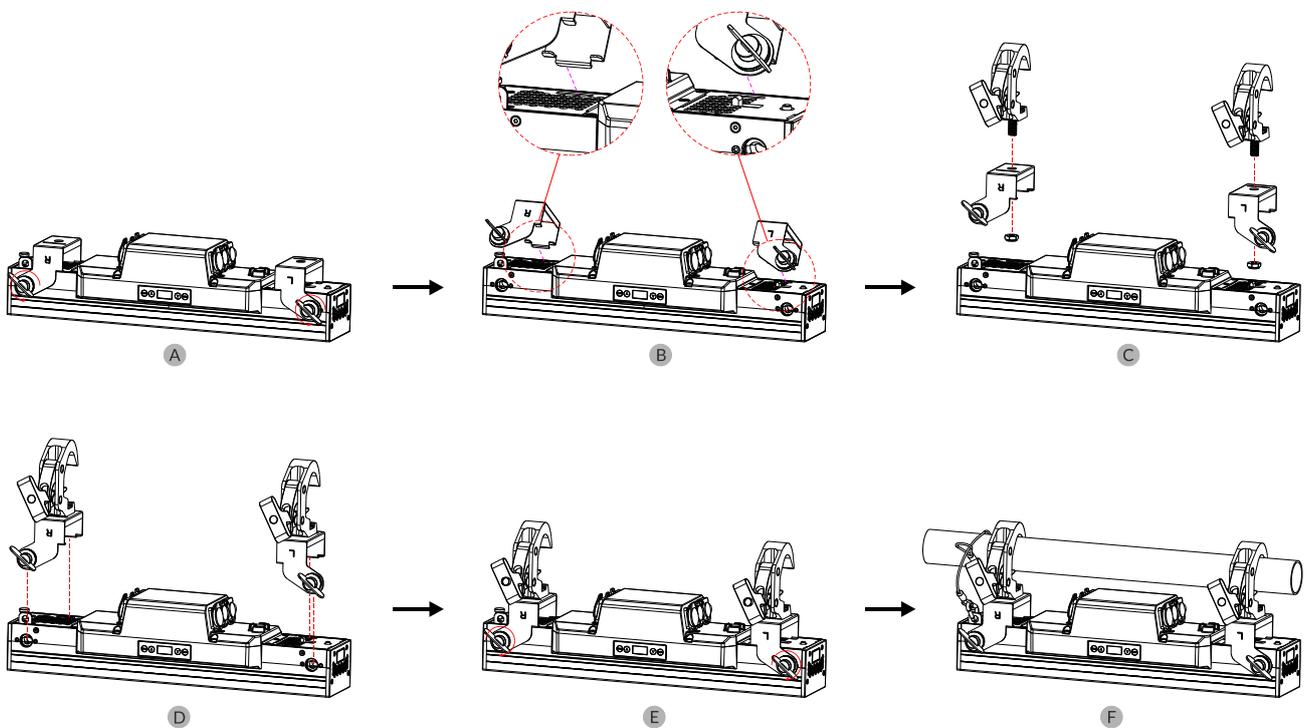
4.4 Splicing Multiple Fixtures

A. Pull the locking pin and turn it over 90° so it stays unlocked.

B. Push the button: automatically the slide comes out completely.

C. Place both fixtures nicely against each other in line so that the slide fits nicely into the other fixture.

D. When this is done, pull the locking pin and turn it again over 90°, until the pin fits in the hole of the slide and locks both fixtures together.
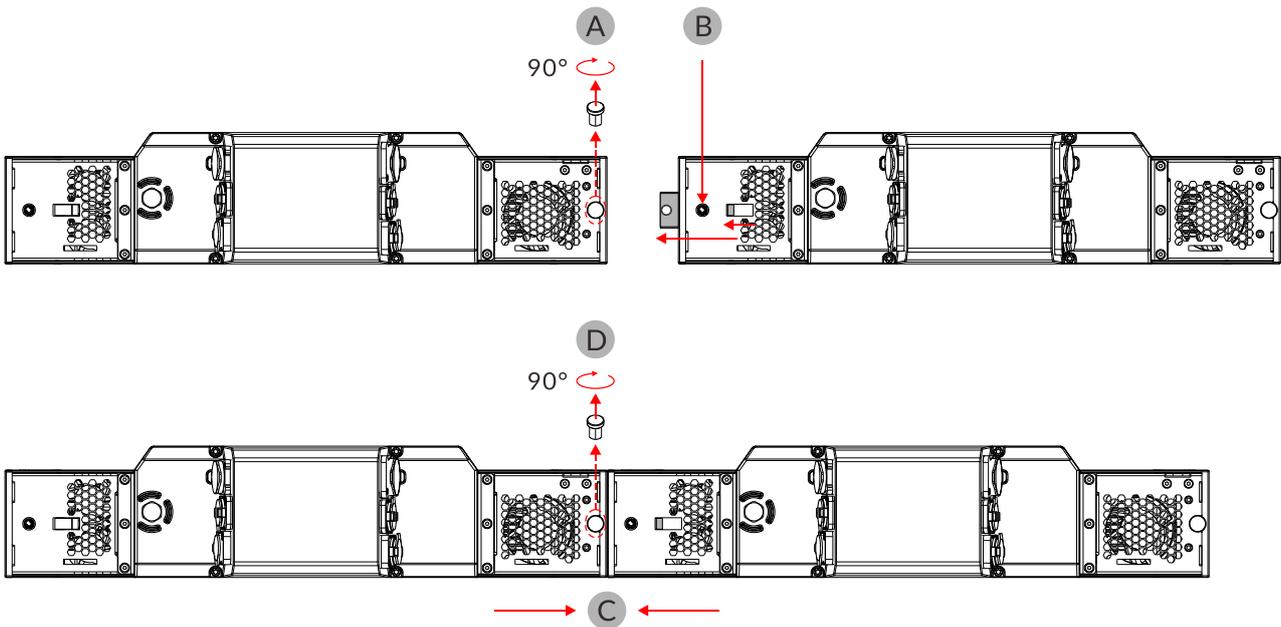
If you need to splice more fixtures, repeat the steps above.

To detach the fixtures, simply reverse the steps mentioned above.

Note: Hold down the button and pull the slide back simultaneously to retract it to its original position.

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	1-505 (8 CH)	(Default=1)
		1-497 (16 CH)	
		1-491 (22 CH)	
		1-487 (26 CH)	
		1-457 (56 CH)	
		1-503 (10 CH)	
		1-495 (18 CH)	
		1-479 (34 CH)	
		1-476 (37 CH)	
		1-451 (62 CH)	
		1-474 (39 CH)	
	Channel Mode	8 CH (PL7 CH)	
		16 CH (PL15 CH)	
		22 CH (PL21 CH)	
		26 CH (PL39 CH)	
		56 CH (PL112 CH)	
		10 CH (PL17 CH)	
		18 CH (PL33 CH)	
		34 CH (PL65 CH)	
		37 CH (PL68 CH)	
		62 CH (PL117 CH)	
		39 CH (PL70 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	125-255	
		Green	125-255	
		Blue	125-255	
	Invert Pixel Order	Disable		
		Enable		
	Power Select	Pixel Line Mode	Left	
			Right	
		Boost Mode		
Display Settings	Display Invert	No		
		Yes		
	Temperature Unit	°C		
		°F		
	Language	English		
		Chinese		

MENU	SUBMENU	OPTIONS			
Fixture Test	Auto Test				
	Manual Mode	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	......	......
		Dimmer	0-255	Red 16	0-255
		Dimmer Fine	0-255	Green 16	0-255
		Duration	0-255	Blue 16	0-255
		Rate	0-255	White 1	0-255
		Frost	0-255	......	......
				White 8	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			
	Fan State	Fan_1			
		Fan_2			
		Fan_3			
	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
8 CH	1-505
16 CH	1-497
22 CH	1-491
26 CH	1-487
56 CH	1-457
10 CH	1-503
18 CH	1-495
34 CH	1-479
37 CH	1-476
62 CH	1-451
39 CH	1-474

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

Channel Mode

Select **Channel Mode,** press ENTER.

Use UP/DOWN button to select between **8 CH, 16 CH, 22 CH, 26 CH, 56 CH, 10 CH, 18 CH, 34 CH, 37 CH, 62 CH** and **39 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, Invert Pixel Order** or **Power Select.**

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
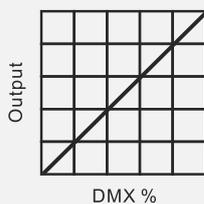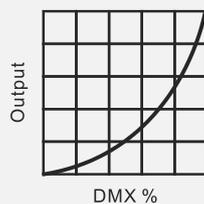
Optically Linear   Square Law   Inverse Square Law   S-curve
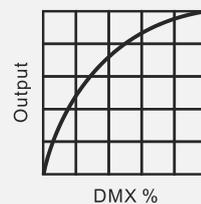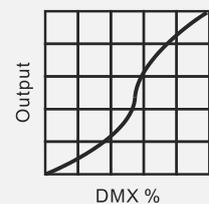
To exit the menu, press MENU, or wait 30 seconds.

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.

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.

Power Select

Select **Power Select,** press ENTER.

Use UP/DOWN button to select **Pixel Line Mode** or **Boost Mode**, confirm your selection with ENTER.

Select **Pixel Line Mode,** press ENTER.

Use UP/DOWN button to select **Left**(The built-in macro effect changes with the PIXEL LINE IP spliced on the left) or **Right**(The built-in macro effect changes with the PIXEL LINE IP spliced on the right), confirm your selection with ENTER.

Note: When "Left" or "Right" is selected, PIXEL LINE IP 500 can only be spliced at the end of PIXEL LINE IP.

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.

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.
>
> (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 '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		√	√
FACTORY_DEFAULTS		√	√
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
Red 1	0-255
Green 1	0-255
Blue 1	0-255
......	......
Red 16	0-255
Green 16	0-255
Blue 16	0-255
White 1	0-255
......	......
White 8	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.

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 16

Select **Red 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.

Green 16

Select **Green 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.

Blue 16

Select **Blue 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.

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 8

Select **White 8,** 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

DMX IN

DMX OUT

DMX INPUT / DMX OUTPUT pin diagram

COMMON
DMX -
DMX +
Not Used
Not Used
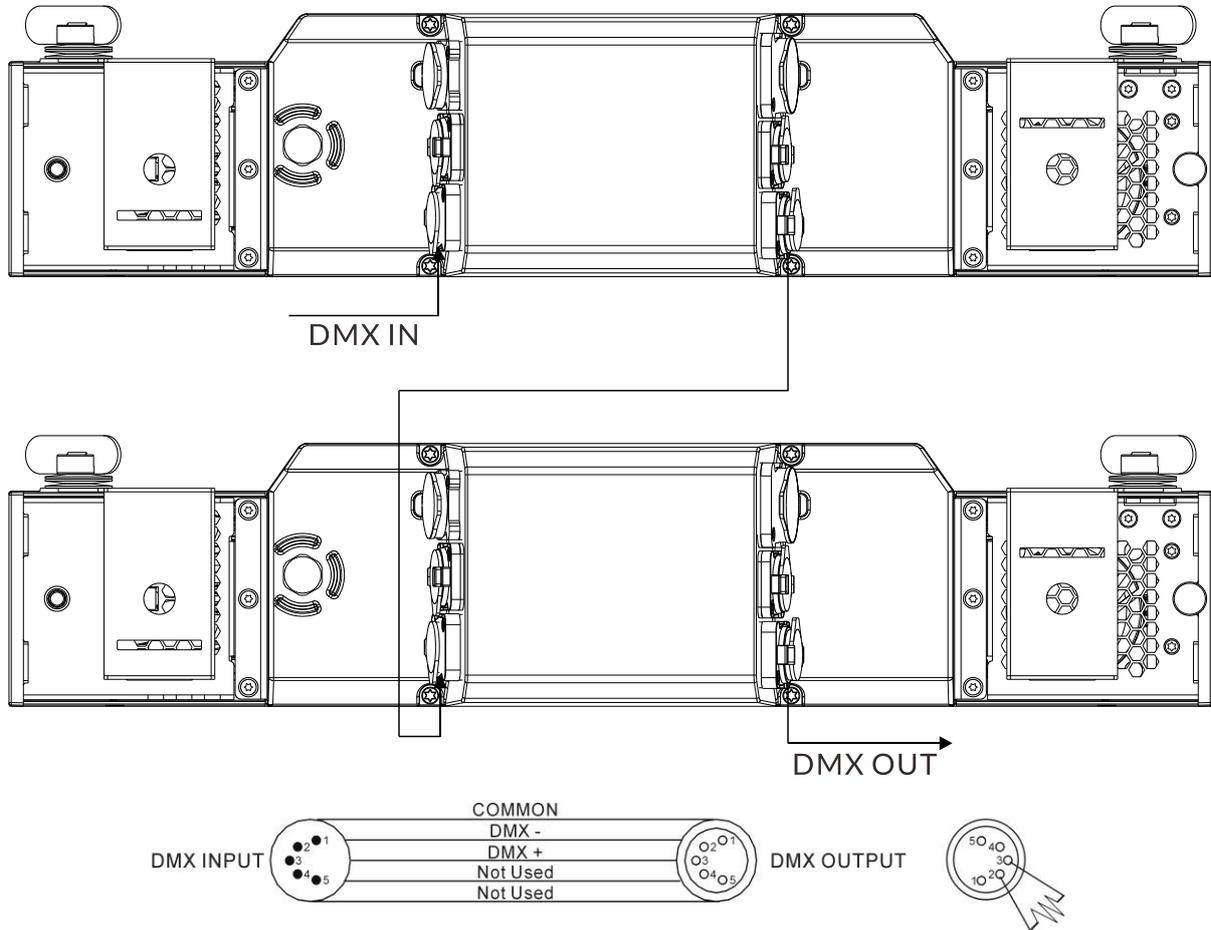
1.   At last unit, the DMX cable has to be terminated with a terminator. Solder a 120-ohm 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) into a 3-pin XLR-plug and plug it in the DMX-output of the last unit.

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. 3 pin XLR connectors are more popular than 5 pins XLR.

   3 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)

   5 pin XLR: 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
8 channels	1	9	17	25
16 channels	1	17	33	49
22 channels	1	23	45	67
26 channels	1	27	53	79
56 channels	1	57	113	169
10 channels	1	11	21	31
18 channels	1	19	37	55
34 channels	1	35	69	103
37 channels	1	38	75	112
62 channels	1	63	125	187
39 channels	1	40	79	118

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.

8 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	000-005 006-255	**DIMMER** Null 0%→100%
6	000-255	**DIMMER FINE**
7	000-255	**FROST** 0%→100%
8	000-029 030-039 040-049 050-059 060-069 070-074 075-079 080-089 090-209 210-219 220-229 230-255	**SPECIAL FUNCTION** Null Dimmer Curve: Linear Dimmer Curve: Square Law Dimmer Curve: Inv SQ Law Dimmer Curve: S Curve Power Select: Pixel Line Mode_Left Power Select: Pixel Line Mode_Right Power Select: Boost Mode Null Dimmer Speed: Fast Dimmer Speed: Smooth Null

16 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

6	000-005 006-255	**DIMMER** Null 0%→100%
7	000-255	**DIMMER FINE**
8	000-255	**STROBE DURATION**
9	000-006 007-255	**STROBE RATE** Blackout Strobe from Slow to Fast
10	000-005 006-050 051-100 101-150 151-200 201-255	**STROBE** Null Ramp up Ramp down Ramp up-down Lightning Random
11	000-023 024-031 032-039 040-047 048-055 056-063 064-071 072-079 080-087 088-095 096-103 104-111 112-119 120-127 128-135 136-143 144-151 152-159 160-167 168-175 176-183 184-191 192-199 200-207 208-215 216-223 224-231 232-239 240-247 248-255	**MACRO (RGB)** 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 Macro 27 Macro 28 Macro 29

		MACRO (W)
	000-090	Null
	091-105	Macro 1
	106-120	Macro 2
	121-135	Macro 3
	136-150	Macro 4
12	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
		MACRO SPEED
13	000-127	Normal, Slow to Fast
	128-255	Inversion, Slow to Fast
14		FADE
	000-255	0%→100%
15		FROST
	000-255	0%→100%
		SPECIAL FUNCTION
	000-029	Null
	030-039	Dimmer Curve: Linear
	040-049	Dimmer Curve: Square Law
	050-059	Dimmer Curve: Inv SQ Law
	060-069	Dimmer Curve: S Curve
16	070-074	Power Select: Pixel Line Mode_Left
	075-079	Power Select: Pixel Line Mode_Right
	080-089	Power Select: Boost Mode
	090-209	Null
	210-219	Dimmer Speed: Fast
	220-229	Dimmer Speed: Smooth
	230-255	Null

22 Channels (Mode 3):

CHANNEL	VALUE	FUNCTION
1		RED
	000-255	0%→100%
2		GREEN
	000-255	0%→100%
3		BLUE
	000-255	0%→100%
4		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
5		**DIMMER (RGB)**
	000-005	Null
	006-255	0%→100%
6	000-255	**DIMMER FINE (RGB)**
7	000-255	**STROBE DURATION (RGB)**
8		**STROBE RATE (RGB)**
	000-006	Blackout
	007-255	Strobe from Slow to Fast
9		**STROBE (RGB)**
	000-005	Null
	006-050	Ramp up
	051-100	Ramp down
	101-150	Ramp up-down
	151-200	Lightning

	201-255	Random
10		**MACRO (RGB)**
	000-023	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
11		**MACRO SPEED (RGB)**
	000-127	Normal, Slow to Fast
	128-255	Inversion, Slow to Fast
12		**FADE (RGB)**
	000-255	0%→100%
13		**DIMMER (W)**
	000-005	Null
	006-255	0%→100%
14	000-255	**DIMMER FINE (W)**
15	000-255	**STROBE DURATION (W)**
16		**STROBE RATE (W)**
	000-006	Blackout
	007-255	Strobe from Slow to Fast

17		**STROBE (W)**
	000-005	Null
	006-050	Ramp up
	051-100	Ramp down
	101-150	Ramp up-down
	151-200	Lightning
	201-255	Random
18		**MACRO (W)**
	000-090	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
19		**MACRO SPEED (W)**
	000-127	Normal, Slow to Fast
	128-255	Inversion, Slow to Fast
20		**FADE (W)**
	000-255	0%→100%
21		**FROST**
	000-255	0%→100%
22		**SPECIAL FUNCTION**
	000-029	Null
	030-039	Dimmer Curve: Linear
	040-049	Dimmer Curve: Square Law
	050-059	Dimmer Curve: Inv SQ Law
	060-069	Dimmer Curve: S Curve
	070-074	Power Select: Pixel Line Mode_Left
	075-079	Power Select: Pixel Line Mode_Right
	080-089	Power Select: Boost Mode
	090-209	Null
	210-219	Dimmer Speed: Fast
	220-229	Dimmer Speed: Smooth
	230-255	Null

26 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	**RED 2** 0%→100%
5	000-255	**GREEN 2** 0%→100%
6	000-255	**BLUE 2** 0%→100%
7	000-255	**RED 3** 0%→100%
8	000-255	**GREEN 3** 0%→100%
9	000-255	**BLUE 3** 0%→100%
10	000-255	**RED 4** 0%→100%
11	000-255	**GREEN 4** 0%→100%
12	000-255	**BLUE 4** 0%→100%
13	000-005 006-255	**DIMMER (RGB)** Null 0%→100%
14	000-255	**DIMMER FINE (RGB)**
15	000-255	**STROBE DURATION (RGB)**
16	000-006 007-255	**STROBE RATE (RGB)** Blackout Strobe from Slow to Fast
17	000-005 006-050 051-100 101-150 151-200 201-255	**STROBE (RGB)** Null Ramp up Ramp down Ramp up-down Lightning Random
18	000-255	**WHITE 1** 0%→100%

19		**WHITE 2**
	000-255	0%→100%
20		**DIMMER (W)**
	000-005	Null
	006-255	0%→100%
21	000-255	**DIMMER FINE (W)**
22	000-255	**STROBE DURATION (W)**
23		**STROBE RATE (W)**
	000-006	Blackout
	007-255	Strobe from Slow to Fast
24		**STROBE (W)**
	000-005	Null
	006-050	Ramp up
	051-100	Ramp down
	101-150	Ramp up-down
	151-200	Lightning
	201-255	Random
25		**FROST**
	000-255	0%→100%
26		**SPECIAL FUNCTION**
	000-029	Null
	030-039	Dimmer Curve: Linear
	040-049	Dimmer Curve: Square Law
	050-059	Dimmer Curve: Inv SQ Law
	060-069	Dimmer Curve: S Curve
	070-074	Power Select: Pixel Line Mode_Left
	075-079	Power Select: Pixel Line Mode_Right
	080-089	Power Select: Boost Mode
	090-209	Null
	210-219	Dimmer Speed: Fast
	220-229	Dimmer Speed: Smooth
	230-255	Null

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

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

- 42 -

43	000-255	RED 15 0%→100%
44	000-255	GREEN 15 0%→100%
45	000-255	BLUE 15 0%→100%
46	000-255	RED 16 0%→100%
47	000-255	GREEN 16 0%→100%
48	000-255	BLUE 16 0%→100%
49	000-255	WHITE 1 0%→100%
50	000-255	WHITE 2 0%→100%
51	000-255	WHITE 3 0%→100%
52	000-255	WHITE 4 0%→100%
53	000-255	WHITE 5 0%→100%
54	000-255	WHITE 6 0%→100%
55	000-255	WHITE 7 0%→100%
56	000-255	WHITE 8 0%→100%

- 43 -

10 Channels (Mode 6) / 18 Channels (Mode 7) / 34 Channels (Mode 8):

CHANNEL			VALUE	FUNCTION
10ch	18ch	34ch		
1	1	1	000-255	RED 1 0%→100%
2	2	2	000-255	GREEN 1 0%→100%
3	3	3	000-255	BLUE 1 0%→100%
4	4	4	000-255	RED 2 0%→100%
5	5	5	000-255	GREEN 2 0%→100%
6	6	6	000-255	BLUE 2 0%→100%
	7	7	000-255	RED 3 0%→100%
	8	8	000-255	GREEN 3 0%→100%
	9	9	000-255	BLUE 3 0%→100%
	10	10	000-255	RED 4 0%→100%
	11	11	000-255	GREEN 4 0%→100%
	12	12	000-255	BLUE 4 0%→100%
		13	000-255	RED 5 0%→100%
		14	000-255	GREEN 5 0%→100%
		15	000-255	BLUE 5 0%→100%
		16	000-255	RED 6 0%→100%
		17	000-255	GREEN 6 0%→100%
		18	000-255	BLUE 6 0%→100%
		19	000-255	RED 7 0%→100%
		20	000-255	GREEN 7 0%→100%

		21	000-255	**BLUE 7** 0%→100%
		22	000-255	**RED 8** 0%→100%
		23	000-255	**GREEN 8** 0%→100%
		24	000-255	**BLUE 8** 0%→100%
7	13	25	000-255	**WHITE 1** 0%→100%
8	14	26	000-255	**WHITE 2** 0%→100%
	15	27	000-255	**WHITE 3** 0%→100%
	16	28	000-255	**WHITE 4** 0%→100%
		29	000-255	**WHITE 5** 0%→100%
		30	000-255	**WHITE 6** 0%→100%
		31	000-255	**WHITE 7** 0%→100%
		32	000-255	**WHITE 8** 0%→100%
9	17	33	000-255	**FROST** 0%→100%
10	18	34	000-029 030-039 040-049 050-059 060-069 070-074 075-079 080-089 090-209 210-219 220-229 230-255	**SPECIAL FUNCTION** Null Dimmer Curve: Linear Dimmer Curve: Square Law Dimmer Curve: Inv SQ Law Dimmer Curve: S Curve Power Select: Left Power Select: Right Power Select: Boost Mode Null Dimmer Speed: Fast Dimmer Speed: Smooth Null

37 Channels (Mode 9) / 39 Channels (Mode 11):

CHANNEL		VALUE	FUNCTION
37ch	39ch		
1	1	000-005 006-255	**DIMMER** Null 0%→100%
2	2	000-007 008-127 128-130 131-250 251-255	**STROBE (RGB)** Null Strobe from Slow to Fast Null Random Null
3	3	000-007 008-127 128-130 131-250 251-255	**STROBE (W)** Null Strobe from Slow to Fast Null Random Null
4	4	000-255	**FROST** 0%→100%
5	5	000-255	**RED 1** 0%→100%
6	6	000-255	**GREEN 1** 0%→100%
7	7	000-255	**BLUE 1** 0%→100%
8	8	000-255	**RED 2** 0%→100%
9	9	000-255	**GREEN 2** 0%→100%
10	10	000-255	**BLUE 2** 0%→100%
11	11	000-255	**RED 3** 0%→100%
12	12	000-255	**GREEN 3** 0%→100%
13	13	000-255	**BLUE 3** 0%→100%
14	14	000-255	**RED 4** 0%→100%
15	15	000-255	**GREEN 4** 0%→100%
16	16		**BLUE 4**

		000-255		0%→100%
17	17	000-255		RED 5 0%→100%
18	18	000-255		GREEN 5 0%→100%
19	19	000-255		BLUE 5 0%→100%
20	20	000-255		RED 6 0%→100%
21	21	000-255		GREEN 6 0%→100%
22	22	000-255		BLUE 6 0%→100%
23	23	000-255		RED 7 0%→100%
24	24	000-255		GREEN 7 0%→100%
25	25	000-255		BLUE 7 0%→100%
26	26	000-255		RED 8 0%→100%
27	27	000-255		GREEN 8 0%→100%
28	28	000-255		BLUE 8 0%→100%
29	29	000-255		WHITE 1 0%→100%
30	30	000-255		WHITE 2 0%→100%
31	31	000-255		WHITE 3 0%→100%
32	32	000-255		WHITE 4 0%→100%
33	33	000-255		WHITE 5 0%→100%
34	34	000-255		WHITE 6 0%→100%
35	35	000-255		WHITE 7 0%→100%
36	36	000-255		WHITE 8 0%→100%
	37	000-255		FADE (RGB) 0%→100%

			FADE (W)
	38	000-255	0%→100%
			SPECIAL FUNCTION
		000-029	Null
		030-039	Dimmer Curve: Linear
		040-049	Dimmer Curve: Square Law
		050-059	Dimmer Curve: Inv SQ Law
		060-069	Dimmer Curve: S Curve
37	**39**	070-074	Power Select: Left
		075-079	Power Select: Right
		080-089	Power Select: Boost Mode
		090-209	Null
		210-219	Dimmer Speed: Fast
		220-229	Dimmer Speed: Smooth
		230-255	Null

62 Channels (Mode 10):

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

11	000-255	BLUE 2 0%→100%
12	000-255	RED 3 0%→100%
13	000-255	GREEN 3 0%→100%
14	000-255	BLUE 3 0%→100%
15	000-255	RED 4 0%→100%
16	000-255	GREEN 4 0%→100%
17	000-255	BLUE 4 0%→100%
18	000-255	RED 5 0%→100%
19	000-255	GREEN 5 0%→100%
20	000-255	BLUE 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	RED 7 0%→100%
25	000-255	GREEN 7 0%→100%
26	000-255	BLUE 7 0%→100%
27	000-255	RED 8 0%→100%
28	000-255	GREEN 8 0%→100%
29	000-255	BLUE 8 0%→100%
30	000-255	RED 9 0%→100%
31	000-255	GREEN 9 0%→100%
32	000-255	BLUE 9 0%→100%

33	000-255	RED 10 0%→100%
34	000-255	GREEN 10 0%→100%
35	000-255	BLUE 10 0%→100%
36	000-255	RED 11 0%→100%
37	000-255	GREEN 11 0%→100%
38	000-255	BLUE 11 0%→100%
39	000-255	RED 12 0%→100%
40	000-255	GREEN 12 0%→100%
41	000-255	BLUE 12 0%→100%
42	000-255	RED 13 0%→100%
43	000-255	GREEN 13 0%→100%
44	000-255	BLUE 13 0%→100%
45	000-255	RED 14 0%→100%
46	000-255	GREEN 14 0%→100%
47	000-255	BLUE 14 0%→100%
48	000-255	RED 15 0%→100%
49	000-255	GREEN 15 0%→100%
50	000-255	BLUE 15 0%→100%
51	000-255	RED 16 0%→100%
52	000-255	GREEN 16 0%→100%
53	000-255	BLUE 16 0%→100%
54	000-255	WHITE 1 0%→100%

|		
55	000-255	**WHITE 2** 0%→100%
56	000-255	- 51 - **WHITE 3** 0%→100%
57	000-255	**WHITE 4** 0%→100%
58	000-255	**WHITE 5** 0%→100%
59	000-255	**WHITE 6** 0%→100%
60	000-255	**WHITE 7** 0%→100%
61	000-255	**WHITE 8** 0%→100%
62	000-029 030-039 040-049 050-059 060-069 070-074 075-079 080-089 090-209 210-219 220-229 230-255	**SPECIAL FUNCTION** Null Dimmer Curve: Linear Dimmer Curve: Square Law Dimmer Curve: Inv SQ Law Dimmer Curve: S Curve Power Select: Left Power Select: Right Power Select: Boost Mode Null Dimmer Speed: Fast Dimmer Speed: Smooth Null

LED PIXEL ZONES:

26-channel (RGB)
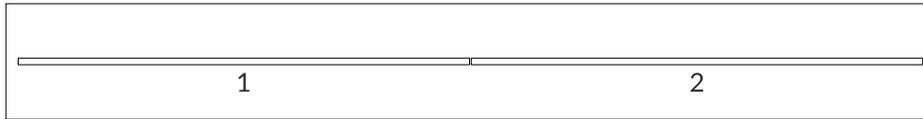
1	2
3	4

26-channel (W)

1	2

56/62-channel (RGB)

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

56/62-channel (W)

1	2	3	4	5	6	7	8

10-channel (RGB)

1	2

10-channel (W)

1	2

18-channel (RGB)

1	2	3	4

18-channel (W)

1	2	3	4
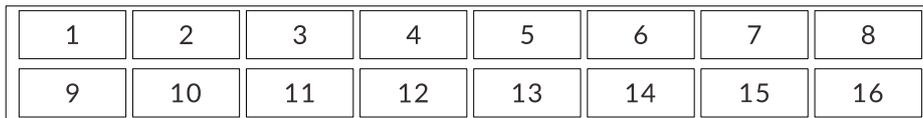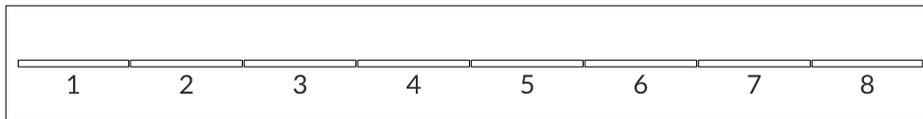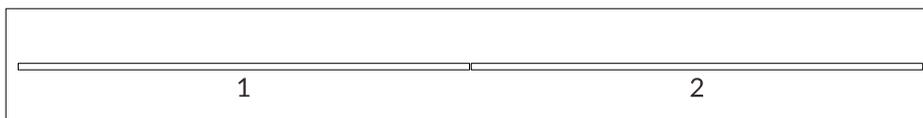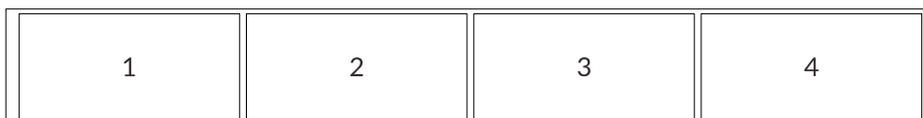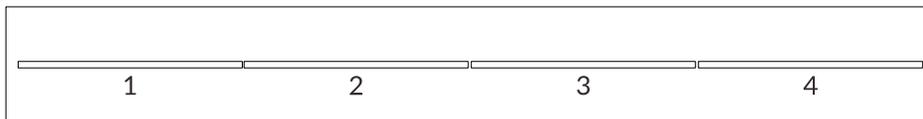
34/37/39-channel (RGB)

1	2	3	4	5	6	7	8

34/37/39-channel (W)

1	2	3	4	5	6	7	8
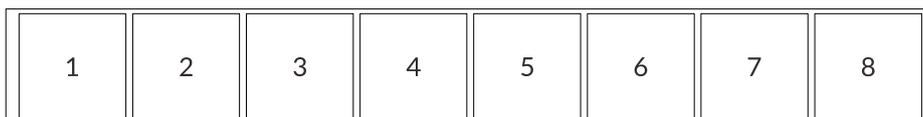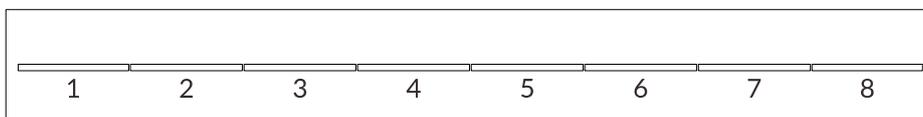
Error codes are shown continuously in the display when the fixture fails and they will not disappear until the fixture is repaired.

CPU-B 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.

Fan 1/2/3 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.

Temperature 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.

Time Out Error

Too Hot Off

When the fixture temperature reaches 75℃, 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+A1: 2020; EN 55035: 2017+A11: 2020;
EN IEC 61000-3-2: 2019+A1: 2021;
EN 61000-3-3: 2013+A1: 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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