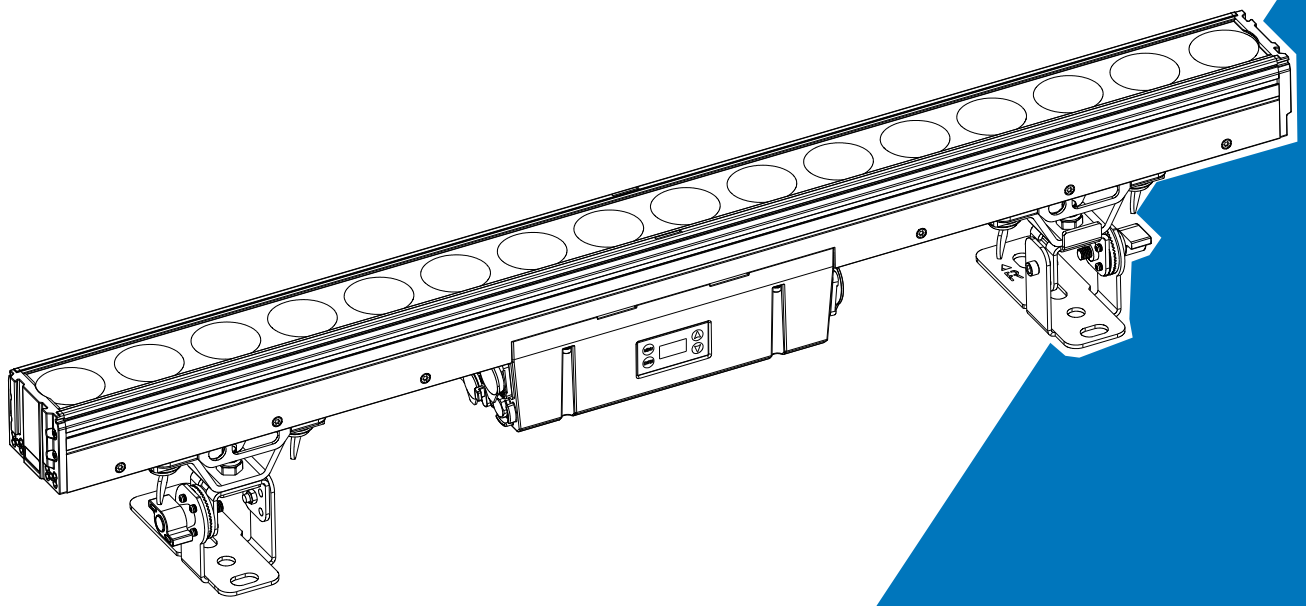
HUELINE 16 IP



User Manual

Please read the instruction carefully before use

CONTENTS

01/ Safety Information

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

WARNING

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

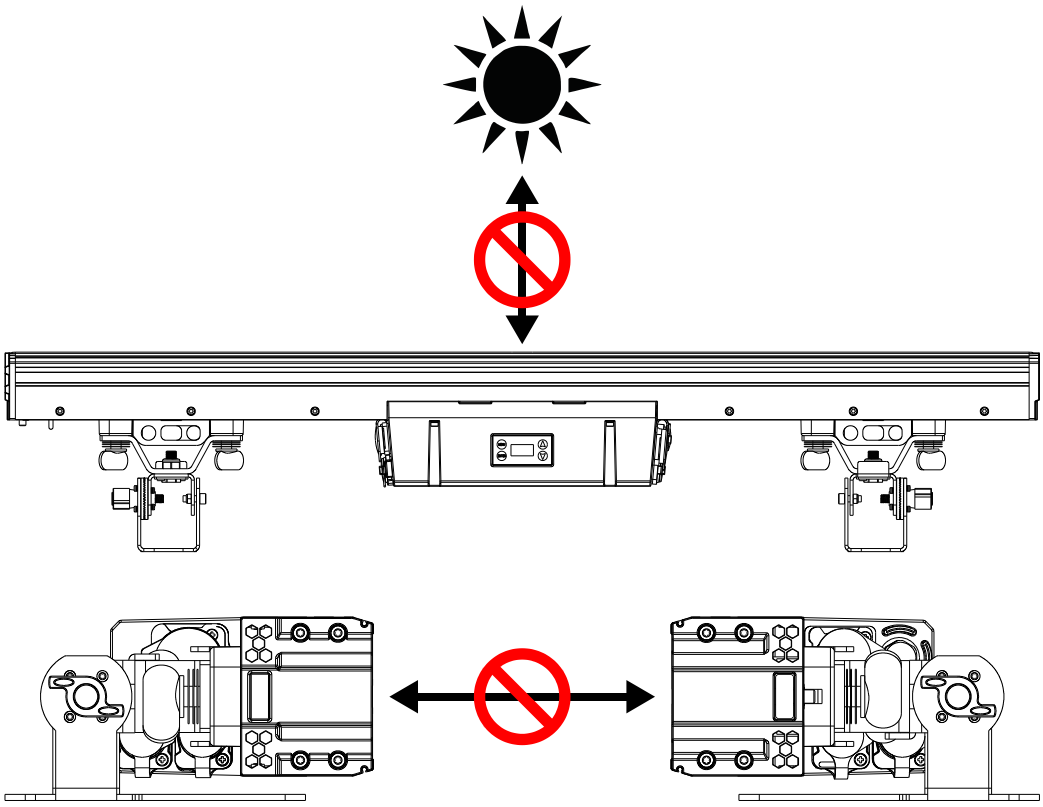
Important:

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: -10˚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.
- The device MUST NOT be switched on immediately if it has been exposed to strong temperature fluctuations (e.g. after transport) as condensation may occur inside. Please leave the device switched off until it has reached to room temperature.

- External sources of light beams from direct sunlight or any other strong light source, which penetrate the front lens of lighting fixtures, can cause severe internal damage. DO NOT expose the fixture front lens to light beams from direct sunlight or any other strong light source from any angle while unpacking, installation, use, and extended idle times outdoors. DO NOT focus a light beam from one lighting fixture directly towards another.



01/ Informations de sécurité

AVERTISSEMENT

Veuillez lire attentivement les instructions, car elles contiennent des informations importantes concernant l'installation, l'utilisation et la maintenance.

Veuillez conserver ce manuel d'utilisation pour 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 résulteraient.

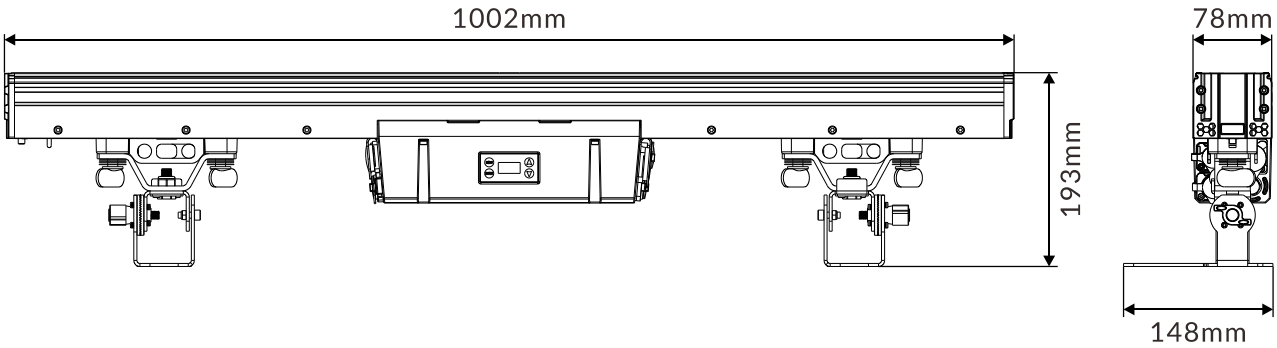
- Déballer et vérifier soigneusement qu'il n'y a pas de dommages dus au transport avant d'utiliser l'appareil.
- Ce produit est adapté aux endroits humides. Ne pas immerger dans l'eau.
- FAIRE installer et utiliser par un opérateur qualifié.
- NE PAS laisser les enfants manipuler l'appareil.
- Utiliser une chaîne de sécurité lors de la fixation de l'appareil. Manipuler l'appareil en portant sa base et non uniquement par la tête.
- L'appareil doit être installé dans un endroit bien ventilé, à au moins 50 cm des surfaces adjacentes.
- Assurez-vous qu'aucune fente de ventilation n'est obstruée, sinon l'appareil surchauffera.
- Avant utilisation, assurez-vous de connecter ce produit à la tension appropriée conformément aux spécifications de ce manuel ou à l'étiquette des spécifications du produit.
- Il est important de mettre le conducteur jaune/vert à la terre pour éviter tout risque de choc électrique.
- Temp é rature ambiante minimale (TA): -10˚C. Temp é rature ambiante maximale (TA): 40˚C. Ne pas utiliser ce produit à une temp é rature inf é rieure ou sup é rieure.
- NE PAS connecter l'appareil à un gradateur (dimmer pack).
- Éloigner les matériaux inflammables de l'appareil pendant son fonctionnement pour éviter tout risque d'incendie.

- Vérifier que le cordon d'alimentation n'est ni écrasé ni endommagé; le remplacer immédiatement s'il est endommagé.
- La température de surface de l'appareil peut atteindre jusqu'à 65℃. NE PAS toucher le boîtier à mains nues pendant son fonctionnement.
- Évitez que des liquides inflammables, de l'eau ou des objets métalliques ne pénètrent dans l'appareil. Si cela se produit, coupez immédiatement l'alimentation électrique.
- NE PAS utiliser l'appareil dans un environnement sale ou poussiéreux. Nettoyez régulièrement l'appareil.
- NE PAS toucher de fils pendant le fonctionnement, car cela pourrait présenter un risque de choc électrique.
- Évitez que le cordon d'alimentation ne s'emmêle avec d'autres fils.
- La distance minimale par rapport aux objets/surfaces doit être de plus de 0.5 mètres.
- En cas de problème de fonctionnement grave, cessez immédiatement d'utiliser l'appareil.
- Ne jamais allumer et éteindre l'appareil à plusieurs 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 pouvant être réparée par l'utilisateur.
- NE PAS tenter d'utiliser cet appareil s'il est endommagé. NE PAS tenter de réparations vous-même. Les réparations effectuées par des personnes non qualifiées peuvent entraîner des dommages ou un dysfonctionnement. Veuillez contacter le centre d'assistance technique agréé le plus proche si nécessaire.
- Débranchez l'appareil de sa source d'alimentation avant toute maintenance.
- UTILISEZ l'emballage d'origine si l'appareil doit être transporté.
- Évitez une exposition directe des yeux à la source lumineuse lorsque l'appareil est allumé.
- NE PAS utiliser ce produit si vous constatez des dommages sur le boîtier, les protections ou les câbles. Faites remplacer les pièces endommagées par un technicien agréé immédiatement.

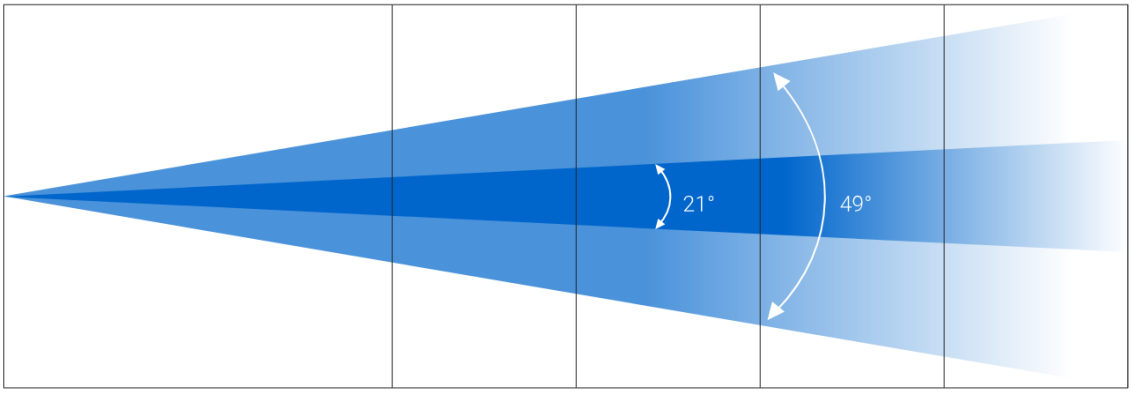
- L'appareil NE DOIT PAS être allumé immédiatement s'il a été exposé à de fortes variations de température (par exemple après un transport), car de la condensation pourrait se former à l'intérieur. Veuillez laisser l'appareil éteint jusqu'à ce qu'il ait atteint la température ambiante.
- Les sources externes de rayons lumineux, comme la lumière directe du soleil ou toute autre source lumineuse intense, qui pénètrent à travers la lentille frontale des appareils d'éclairage, peuvent causer des dommages internes graves. NE PAS exposer la lentille frontale de l'appareil à des rayons lumineux provenant de la lumière directe du soleil ou de toute autre source lumineuse intense, sous quelque angle que ce soit, lors du déballage, de l'installation, de l'utilisation ou de périodes d'inactivité prolongées à l'extérieur. NE PAS diriger un faisceau lumineux d'un appareil d'éclairage directement vers un autre.

02/ Technical Specifications

AC Power	100-240Vac; 50/60Hz	
Max. Power Consumption	190W	
Light Source	16x25W RGBWAC+UV LED	
Beam Angle	21°-49°	
Field Angle	45°-109°	
Control and Programming	DMX Channels	16/133
	Protocols	DMX512
		RDM
		Art-Net
		sACN
	Firmware Update	via DMX
Construction	Display	OLED display
	DMX and RDM Data In/Out	5-pin IP XLR (optional with 3-pin IP XLR)
		RJ45 Connectors
	Power In/Out	Waterproof Power Connector in/out
	Protection Rating	IP66
Dynamic Effects	16 x LEDs with individual control	
	0-100% continuous dimming and strobe effects	
	Choice of four dimming curves	
	Tungsten emulation during dimming	
	Variable color temperature control	
	Outstanding color mixing	
	Patented Smart Glass Technology for frost effects	
	Equipped with an inventive quick-release mechanism that allows you to quickly connect and align multiple fixtures	
Included Items	Power Cable	
	Two omega brackets	
	Two floor brackets	
	User Manual (this document)	
Dimensions	1002x148x193mm	39.4"x5.8"x7.6"
Weight	9.6 kg	21.2 lbs

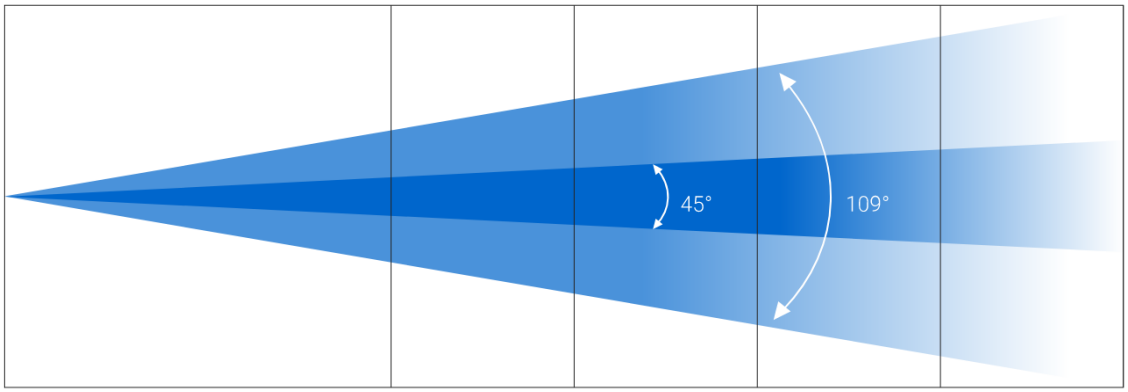


Photometric Diagram (Beam Angle):



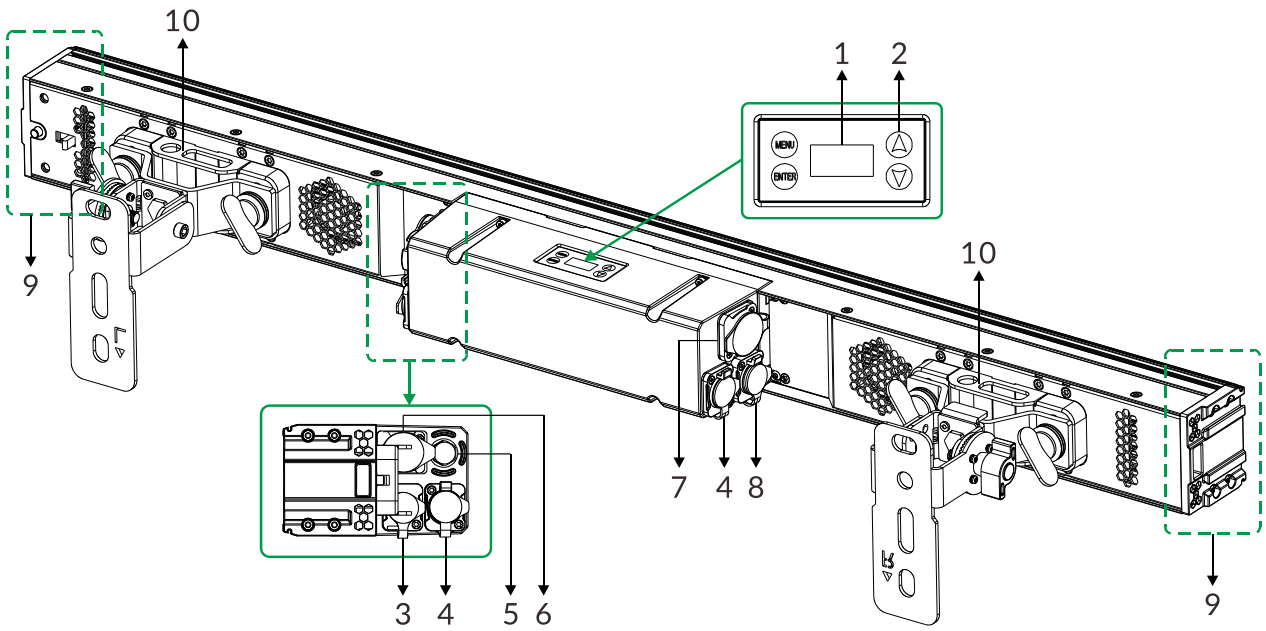
Distance m (ft)	1 (3.2)	2 (6.5)	3 (9.8)	4 (13.1)	5 (16.4)
21° Lux	18,080	4,520	2,008	1,130	723
Diameter m (ft)	0.4 (1.3)	0.7 (2.3)	1.1 (3.6)	1.5 (4.9)	1.8 (5.9)
49° Lux	3,032	758	337	189	121
Diameter m (ft)	0.9 (2.9)	1.8 (5.9)	2.7 (8.8)	3.6 (11.8)	4.6 (15.1)

Photometric Diagram (Field Angle):



Distance m (ft)	1 (3.2)	2 (6.5)	3 (9.8)	4 (13.1)	5 (16.4)
45° Lux	18,080	4,520	2,008	1,130	723
Diameter m (ft)	0.8 (2.6)	1.7 (5.6)	2.5 (8.2)	3.3 (10.8)	4.1 (13.4)
109° Lux	3,032	758	337	189	121
Diameter m (ft)	2.8 (9.2)	5.6 (18.3)	8.4 (27.5)	11.2 (36.7)	14 (45.9)

03/ Overview



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. DMX IN	For DMX512 link, use 5-pin XLR cable to link the unit and DMX controller to input DMX signal (optional with 3-pin IP XLR)	
4. ETHERNET	Transfers fixture's information to a main controller	
5. RELEASE VALVE		
6. POWER IN	To connect to supply power	
7. POWER OUT	To connect to the next fixture	
8. DMX OUT	For DMX512 link, use 5-pin XLR cable to link the next units to output DMX signal (optional with 3-pin IP XLR)	
9. COUPLER MECHANISM	The coupler mechanism makes it possible to quickly connect and align two or a long line of fixtures together	
10. SAFETY CABLE ATTACHMENT POINTS		

04/ Connecting Power and Data

4.1 Connecting Power

This fixture can operate on any 100-240Vac; 50/60Hz AC mains power supply.

The maximum power consumption is 190W.

The fixture must be grounded/earthed and able to be isolated from AC power. The AC power supply must incorporate a fuse or circuit breaker for fault protection.

Wiring and connection work must be carried out by a qualified electrician.

The power cable color coding is given in the figure below:

Wire	Color (US)	Wire	Color (EU)	Symbol	Conductor
	black		brown	L	live
	white		blue	N	neutral
	green		yellow/green	⏚ or ⏚	ground (earth)

Power cord set should be used: Listed SJOW flexible cord with rating: 300V, 105˚C, VW-1, 14AWG x 3C, molded with 5-20P attachment plug and terminated with cord connector model RCAC3F-X-000-01 with rating 250V, 16A by Neutrik Technology (Ningbo) Co., Ltd. The power cord shall be at least 914mm (It is to be measured from the face of attachment plug to the face of connector).

CAUTION!

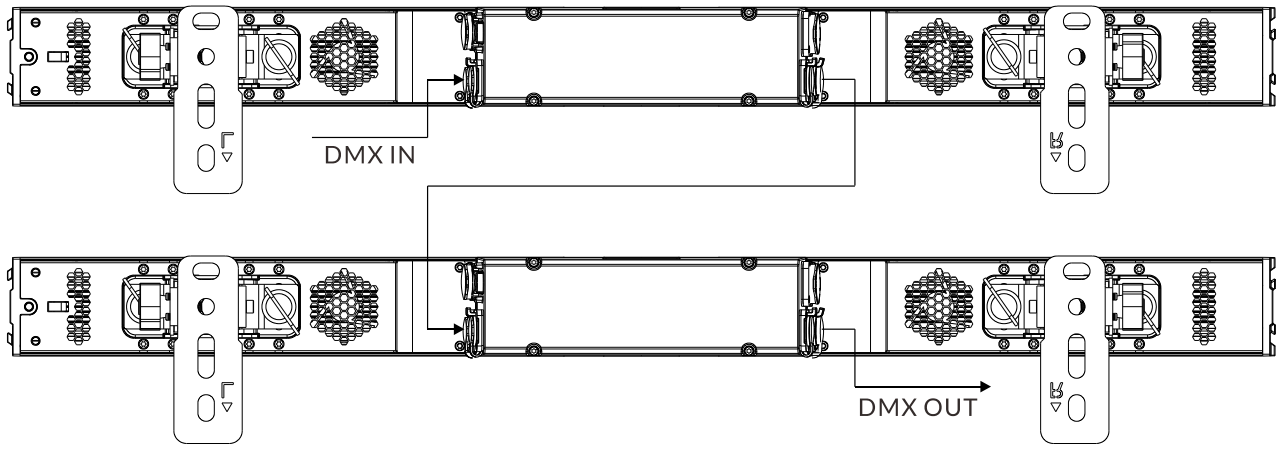
DO NOT CONNECT THE FIXTURE TO AN ELECTRICAL DIMMER SYSTEM AS DOING SO MAY CAUSE DAMAGE.

4.2 Connecting Data

The fixture is equipped with 5-pin (or 3-pin) XLR sockets for DMX input and output. Use a high-quality DMX cable designed for RS-485 and 5-pin (or 3-pin) XLR-plugs and connectors in order to connect the controller with the fixture or one fixture with another. For outdoor installations, use only IP-rated XLR connectors suitable for outdoor use.

Building a serial DMX chain:

Connect the DMX data output from the controller to the fixture's data input socket. Connect the DMX output of the first fixture in the DMX chain with the DMX input of the next fixture. Always connect one output with the input of the next fixture until all fixtures are connected. Up to 32 fixtures can be connected to the same DMX link. Terminate the DMX out cable of the last fixture in the data link with a 120 ohm DMX terminator.



05/ Fixture Installation

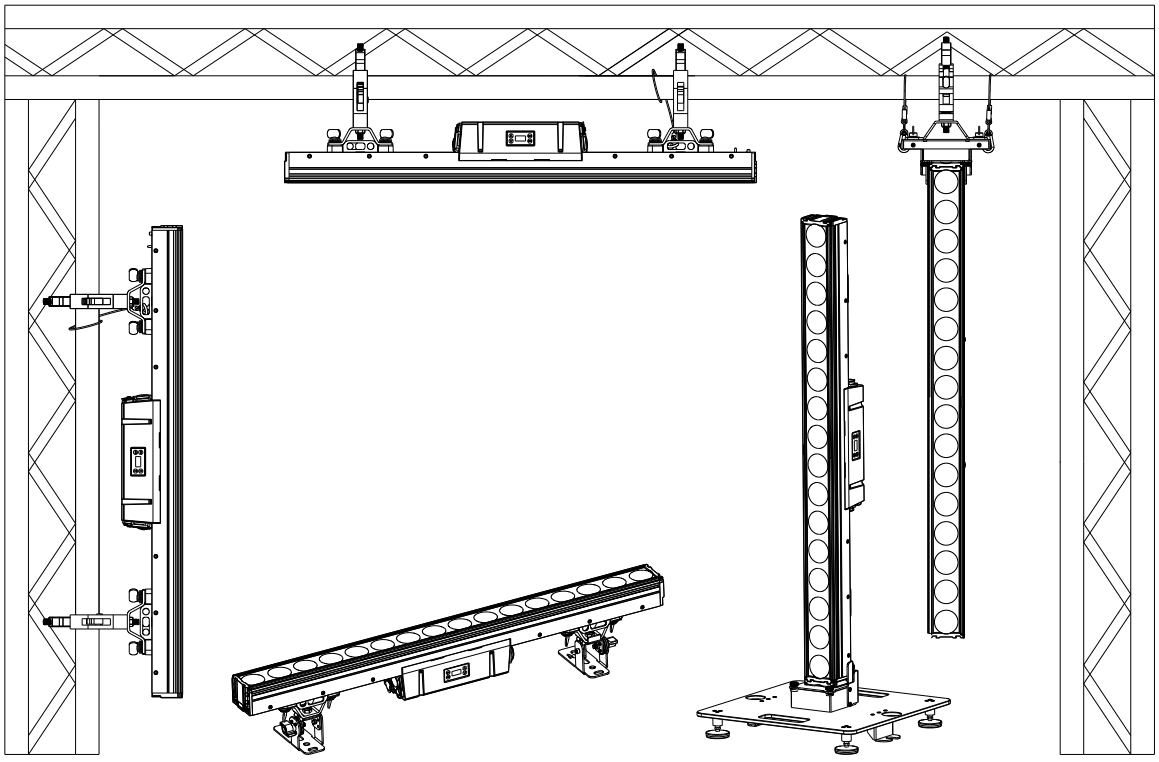
The fixture is IP66-rated and designed for both indoor and outdoor events. This means that it is protected from:

- Dust, to the degree that dust cannot enter the device in sufficient quantities as to interfere with its operation.
- Water jets from any direction.

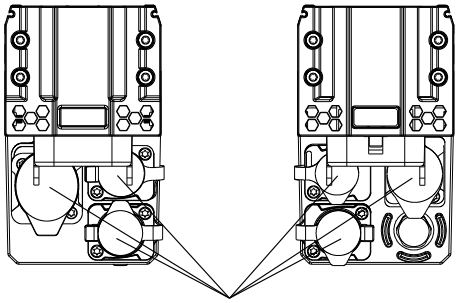
DO install and operate by qualified operator. Fixture(s) should be installed in areas outside walking paths, seating areas, or away from areas were unauthorized personnel might reach the fixture by hand. NEVER stand directly below the fixture(s) when rigging, removing or servicing.

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 a safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.



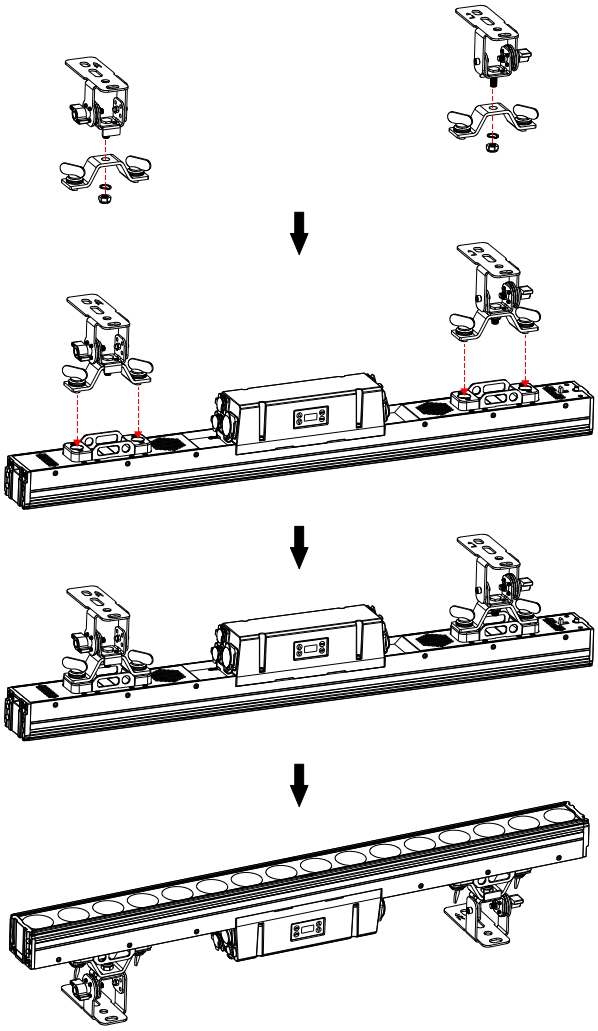
- Use only IP-rated power cords and connectors suitable for outdoor use.
- Visually check panel connectors on accidental water leaks and dust before connecting related cable connectors.
  If some water appears in panel connectors, do not connect cable connectors, especially power!
- Fixtures require regular maintenance.
  Carefully check panel connectors for corrosion and scorching, and replace them promptly if damaged.



All unused panel connectors have to be sealed by the rubber caps to avoid contact with water, especially seawater.

5.1 Stand the Fixture on the Floor

Floor Stand: Utilizing two omega brackets (supplied) and two floor brackets (supplied):



Vertical Stand: Mounted to floor stand (sold separately):

Note: stand single unit vertically, no other fixtures may be connected.

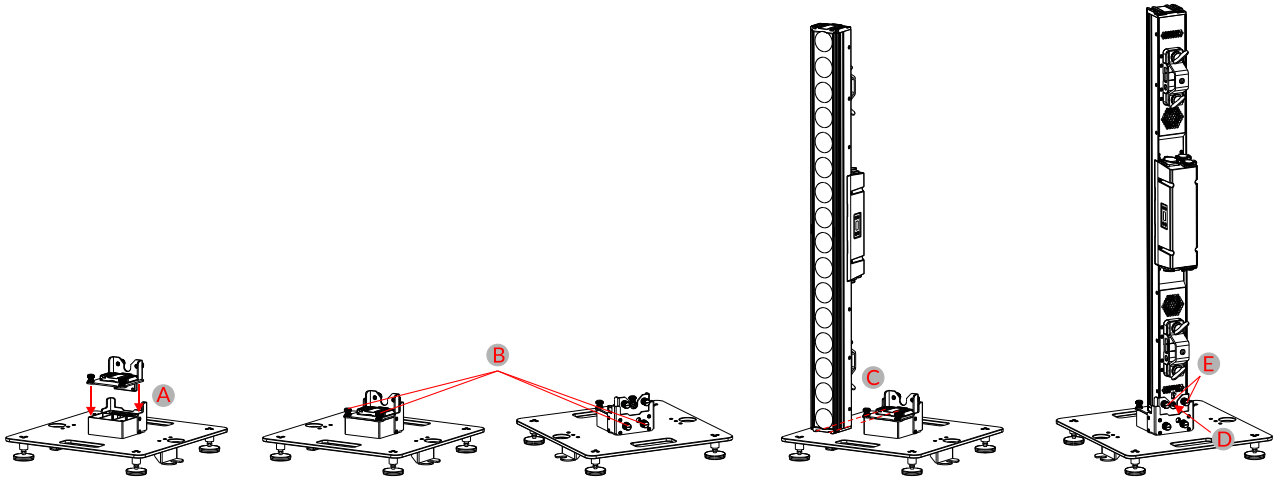
A. Insert the connecting bracket into the floor stand.

B. Tighten the four rivet screws to secure the connecting bracket.

C. Place the fixture against the assembled floor stand in line and insert the floor stand into the fixture recess.

D. Press the button: automatically the slide comes out completely.

E. Finally, tighten the two rivet screws to secure the floor stand.

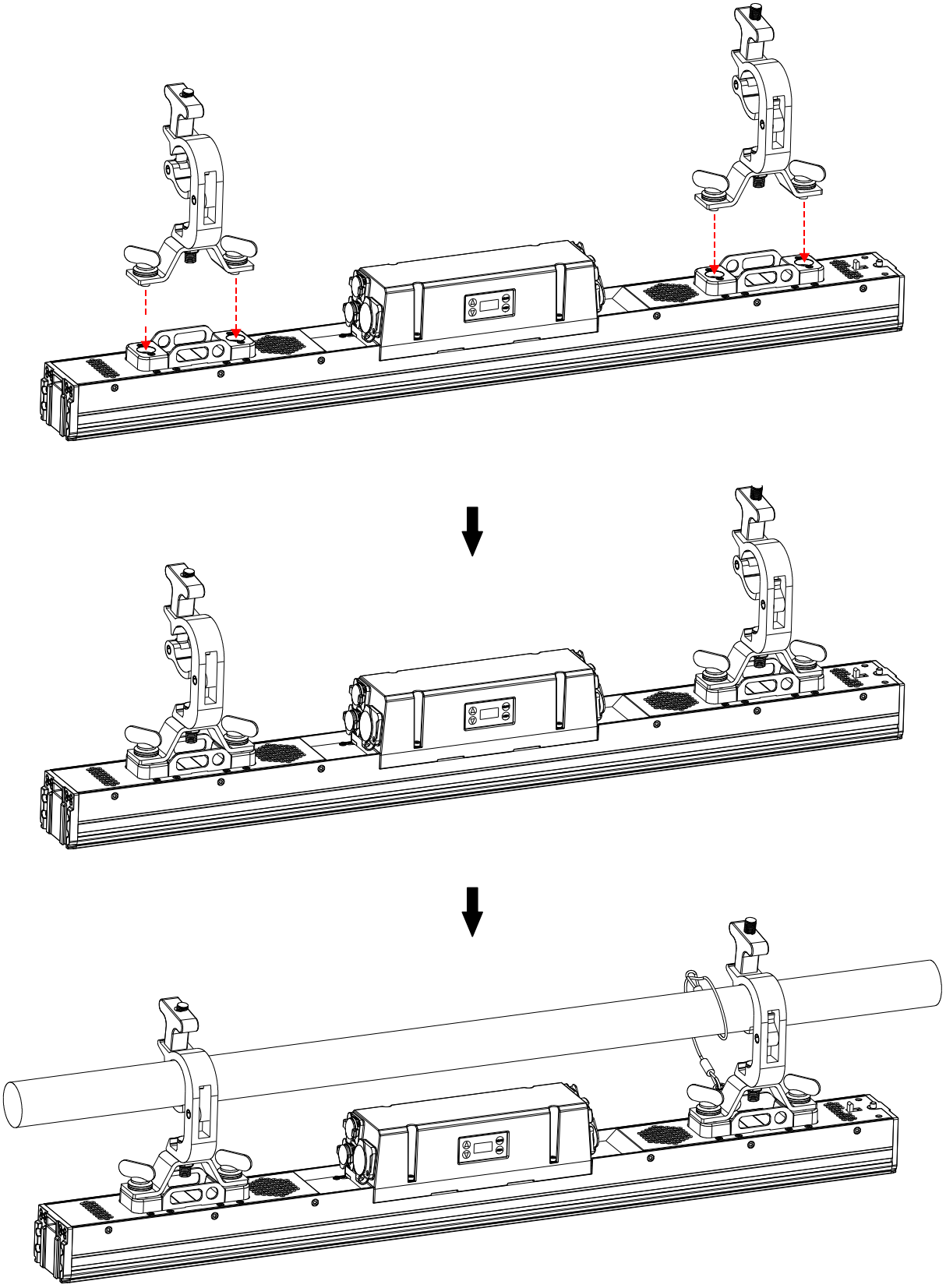


To separate the fixture from the floor stand, follow the above steps in reverse order.

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

5.2 Hanging the Fixture

Horizontal: Utilizing two omega brackets (supplied) and clamps (by others):



Vertical: Using one hanging bracket (sold separately) with clamp (by others):

Note: a maximum of 3 fixtures may be connected.

A. Insert the connecting bracket into the hanging bracket with clamp.

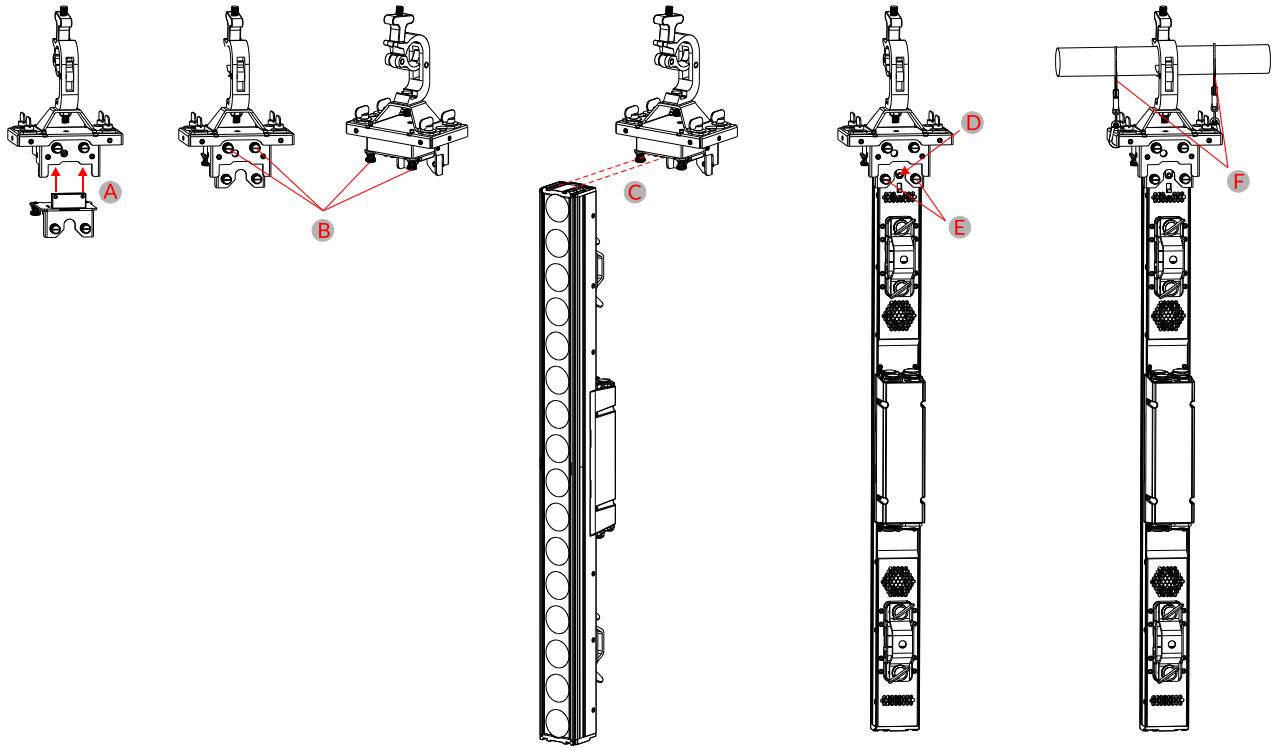
B. Tighten the four rivet screws to secure the connecting bracket.

C. Place the fixture against the assembled hanging bracket with clamp in line and insert the hanging bracket into the fixture recess.

D. Press the button: automatically the slide comes out completely.

E. Tighten the two rivet screws to secure the hanging bracket with clamp.

F. Finally, hang fixture by attaching and securing hanging clamp to truss and wrap safety cables around truss and secure.



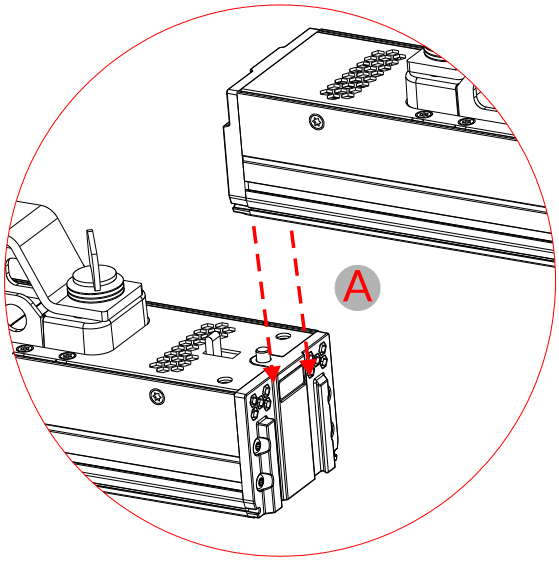
To separate the fixture from the omega bracket, follow the above steps in reverse order.

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

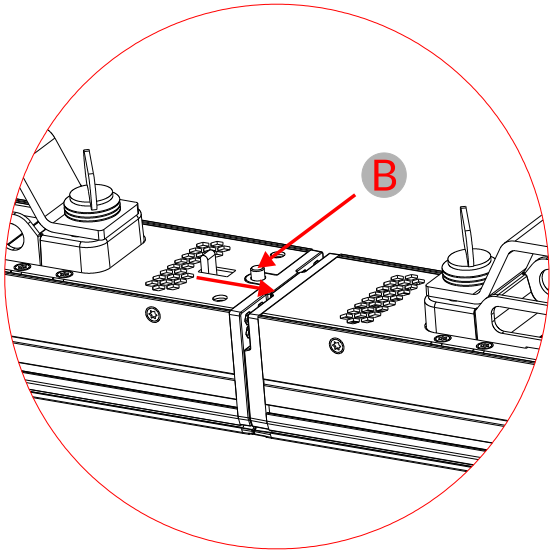
5.3 Connecting and Aligning Multiple Fixtures

Note: When hanging horizontally, there is no limit to the number of fixtures that can be connected. When hanging vertically, a maximum of 3 fixtures may be connected.

A. Align the grooves of both fixtures vertically and snap them together securely.



B. Press the button: automatically the slide comes out completely, enabling both fixtures to be tightly connected.



If you need to connect and align 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.

06/ Operation

6.1 Control Menu

- 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:

MAIN MENU	SUBMENU	CHOICES/VALUES		
DMX Settings	DMX Address	1-497 (16 CH)		(Default=1)
		1-380 (133 CH)		
	DMX CH Mode	16 CH		
		133 CH		
	No DMX Status	Hold		
		Blackout		
		Manual		
	View DMX Value			
	Connect Option	Auto		
		DMX		
		Art-Net		
		sACN		
	Network	IP Address	Default 1:002.xxx.xxx.xxx	
			Default 2:010.xxx.xxx.xxx	
			Manual: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	Universe	1-32000	(Default=1)
		Priority	0-200	(Default=100)

MAIN MENU	SUBMENU	CHOICES/VALUES	
Fixture Settings	Dimmer Curve	Linear	
		Square Law	
		Inv SQ Law	
		S Curve	
	Dimmer Speed	Fast	
		Smooth	
		UND	
	White Balance	Red	125-255
		Green	125-255
		Blue	125-255
		White	125-255
		Amber	125-255
		Cyan	125-255
		Purple	125-255
		Red 1	125-255
		Green 1	125-255
		Blue 1	125-255
		White 1	125-255
		Amber 1	125-255
		Cyan 1	125-255
		Purple 1	125-255
		.....	.....
		Red 16	125-255
		Green 16	125-255
		Blue 16	125-255
		White 16	125-255
		Amber 16	125-255
		Cyan 16	125-255
		Purple 16	125-255
	LED Refresh Rate	900Hz	
		1000Hz	
		1100Hz	
		1200Hz	
		1300Hz	
		1400Hz	
		1500Hz	
		2500Hz	
		4000Hz	

MAIN MENU	SUBMENU	CHOICES/VALUES			
		5000Hz			
		6000Hz			
		10000Hz			
		15000Hz			
		20000Hz			
		25000Hz			
	Power Mode	Standard			
		Quiet			
		Theater			
	Invert Pixel Order	No			
		Yes			
	Color Cal	Off			
		On			
	Cal Mode	Hi CRI			
		Hi Output			
	Dim. Start Mode	High			
		Low			
Display Settings	Display Invert	No			
		Yes			
	Temperature Unit	°C			
		°F			
	Language	English			
		Chinese			
Fixture Test	Auto Test	Single			
		Cycle			
	Manual Mode	Mode 1		Mode 2	
		Clear	No/Yes	Clear	No/Yes
		Frost 1	0-255	Strobe	0-255
		Red 1	0-255	Dimmer	0-255
		Green 1	0-255	CTO	0-255
		Blue 1	0-255	Color	0-255
		White 1	0-255	Macro	0-255
		Amber 1	0-255	Speed	0-255
		Cyan 1	0-255	Frost	0-255
		Purple 1	0-255	Red	0-255
		.....	.....	Green	0-255
		Frost 16	0-255	Blue	0-255
		Red 16	0-255	White	0-255

MAIN MENU	SUBMENU	CHOICES/VALUES			
		Green 16	0-255	Amber	0-255
		Blue 16	0-255	Cyan	0-255
		White 16	0-255	Purple	0-255
		Amber 16	0-255		
		Cyan 16	0-255		
		Purple 16	0-255		
Fixture Information	Fixture Use Hour				
	LED Use Hour	Total LED Hour			
		LED On Hour			
		LED Hours Reset	Password=50		
	Temperature	LED 1-8	Current		
			Max temp		
	Fan State	Fan 1			
		Fan 2			
	Firmware Version				
	RDM UID				
	Error Logs	Fixture Errors			
		Reset Error Log	No		
			Yes	Password=50	
Special Functions	Send Upgrade	No			
		Yes			
	Firmware Restore	No			
		Yes			
	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 CH 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	ADDRESS
16 CH	1-497
133 CH	1-380

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

DMX CH Mode

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

Use UP/DOWN button to select between **16 CH** and **133 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 **Universe** or **Priority**, confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

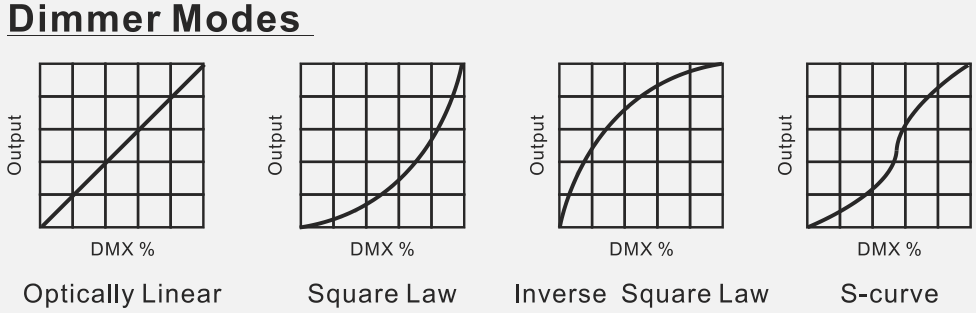
Fixture Settings

Enter the control menu and select **Fixture Settings**, press ENTER. Use the UP/DOWN button to select **Dimmer Curve, Dimmer Speed, White Balance, LED Refresh Rate, Power Mode, Invert Pixel Order, Color Cal, Cal Mode** or **Dim. Start Mode.**

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.



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

Dimmer Speed

Select **Dimmer Speed,** press ENTER.

Use UP/DOWN button to select **Fast, Smooth** or **UND**, 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, Blue, White, Amber, Cyan, Purple, Red 1, Green 1, Blue 1, White 1, Amber 1, Cyan 1, Purple 1.....** or **Red 16, Green 16, Blue 16, White 16, Amber 16, Cyan 16, Purple 16**, 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, 6000Hz, 10000Hz, 15000Hz, 20000Hz** or **25000Hz**, confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

Power Mode

Select **Power Mode,** press ENTER.
Use UP/DOWN button to select **Standard, Quiet** or **Theater**, 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 **No** or **Yes**, confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

Color Cal

Select **Color Cal,** press ENTER.
Use UP/DOWN button to select **Off** or **On**, confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

Cal Mode

Select **Cal Mode,** press ENTER.
Use UP/DOWN button to select **Hi CRI** or **Hi Output**, confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

Dim. Start Mode

Select **Dim. Start Mode,** press ENTER.
Use UP/DOWN button to select **High** (high dimming start) or **Low** (low dimming start), confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

Display Settings

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

Display Invert

Select **Display Invert,** press ENTER.
Use UP/DOWN button to select **No** (display normal) or **Yes** (display inverted), confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

Temperature Unit

Select **Temperature Unit,** press ENTER.
Use UP/DOWN button to select **°C** or **°F**, confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

Language

Select **Language,** press ENTER.
Use UP/DOWN button to select **English** or **Chinese**, confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

Fixture Test

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

Auto Test

Select **Auto Test,** press ENTER.
Use UP/DOWN button to select **Single** (the device immediately performs a single automatic self-test) or **Cycle** (the device immediately performs a cyclic automatic self-test), confirm your selection with ENTER.
To 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.)

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 Functions

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

Send Upgrade

Select **Send Upgrade,** press ENTER.
If you wish to send upgrade files from this fixture to next fixtures to upgrade their firmware, select **Yes**. Once Yes is selected, the display of this fixture will show "**Send Packet, CPU-xx, xx%**" while the display of next fixtures will show "**CPU-xx**". After the update is complete, fixtures will perform a reset (this can take some time).
If you do not wish to send anything, select **No**. Confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

Firmware Restore (After replacing fixture's vice board(s), this function allows you to synchronize the main board's software to all vice board(s), as the software version of the replaced vice board(s) may not consistent with that of the main board.)

Select **Firmware Restore,** press ENTER.
If you wish to restore fixture's firmware, select **Yes**. Once Yes is selected, the display will show "**CPU-xx**". After the update is complete, the fixture will perform a reset (this can take some time).
If you do not wish to restore anything, select **No**. Confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

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			√
SLOT_INFO			√
SLOT_DESCRIPTION			√
SENSOR_DEFINITION			√
SENSOR_VALUE			√
DEVICE_HOURS			√
LAMP_HOURS			√
RESET_DEVICE		√	
CURVE		√	√
DMX_STATE		√	√
DIMMER_SPEED		√	√
WHITE_BALANCE		√	√
COOLING_MODE		√	√
INVERT_PIXEL_ORDER		√	√

√ -Command implemented for the respective parameter ID

6.2 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
Frequency	1072~1327
Red	0~2000
Green	0~2000
Blue	0~2000
White	0~2000
Amber	0~2000
Cyan	0~2000
Purple	0~2000
Red 1	0~2000
Green 1	0~2000
Blue 1	0~2000
White 1	0~2000
Amber 1	0~2000
Cyan 1	0~2000
Purple 1	0~2000
.....	.....
Red 16	0~2000
Green 16	0~2000
Blue 16	0~2000
White 16	0~2000
Amber 16	0~2000
Cyan 16	0~2000
Purple 16	0~2000

Frequency

Select **Frequency,** press ENTER.

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

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

Frequency	VALUES
900Hz	772~1027
1000Hz	872~1127
1100Hz	972~1227
1200Hz	1072~1327
1300Hz	1172~1427
1400Hz	1272~1527
1500Hz	1372~1627
2500Hz	2372~2627
4000Hz	3872~4127
5000Hz	4872~5127
6000Hz	5872~6127
10KHz	9872~10127
15KHz	14872~15127
20KHz	19872~20127
25KHz	24872~25127

Red

Select **Red,** press ENTER.

Use UP/DOWN button to select a value between 0 and 2000, 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 2000, 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 2000, 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 2000, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

Amber

Select **Amber,** press ENTER.
Use UP/DOWN button to select a value between 0 and 2000, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

Cyan

Select **Cyan,** press ENTER.
Use UP/DOWN button to select a value between 0 and 2000, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

Purple

Select **Purple,** press ENTER.
Use UP/DOWN button to select a value between 0 and 2000, 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 2000, 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 2000, 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 2000, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

White 16

Select **White 16,** press ENTER.
Use UP/DOWN button to select a value between 0 and 2000, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

Amber 16

Select **Amber 16,** press ENTER.
Use UP/DOWN button to select a value between 0 and 2000, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

Cyan 16

Select **Cyan 16,** press ENTER.
Use UP/DOWN button to select a value between 0 and 2000, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

Purple 16

Select **Purple 16,** press ENTER.
Use UP/DOWN button to select a value between 0 and 2000, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

07/ Configuring the Device for DMX Control

7.1 Address Setting

All fixtures should be given a DMX starting address when operating with a DMX controller, in order to ensure that the correct fixture responds to the correct control signal. Incorrect settings will result in unpredictable responses from the lighting controller.
You can set the same starting address for all fixtures or a group of fixtures, or set different addresses for each individual fixture.
Setting all fixtures to the same DMX address will cause all fixtures to react in the same way. In this case, please note that changing the settings of one channel will affect all the fixtures simultaneously.
If you set each fixture to a different DMX address, each unit will “listen” starting at the channel number you have set, based on the quantity of DMX channels of each fixture. That means changing the settings of one channel will only affect the selected fixture.
For example, if the first fixture is set to 16 ch DMX mode with a start DMX address of 1, the following fixture in the DMX chain should then be set to a DMX address of 17. As the first fixture uses all the first 16 DMX channels, the next available channel is 17 (16+1=17 >> 17).
See the chart below for more details:

Channel Mode	Unit 1 Address	Unit 2 Address	Unit 3 Address	Unit 4 Address	Unit xxx Address
16 channels	1	17	33	49	.....
133 channels	1	134	267	400	/

7.2 DMX Protocol

CHANNEL		VALUE	FUNCTION
16ch	133ch		
1	1		**SPECIAL FUNCTION** (To activate following functions, stop in DMX value for at least 3 seconds.)
		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
		070-079	Power Mode: Standard
		080-089	Power Mode: Quiet
		090-099	Power Mode: Theatre
		100-109	Led Frequency Setting Enable
		110-119	Led Frequency Setting Disable
		120-122	Null
		123	900Hz
		124	1000Hz
		125	1100Hz
		126	1200Hz
		127	1300Hz
		128	1400Hz
		129	1500Hz
		130	2500Hz
		131	4000Hz
		132	5000Hz
		133	6000Hz
		134	10KHz
		135	15KHz
		136	20KHz
		137	25KHz
		138-139	Null
		140-159	Null
		160-169	Color Calibration: On
		170-179	Color Calibration: Off
		180-189	Calibration Mode: High CRI
		190-199	Calibration Mode: High Output
		200-209	Dimmer Speed: Fast
		210-219	Dimmer Speed: Smooth
		220-229	Dimmer Speed: UND
		230-231	Null
		232-233	Null
		234-235	Invert Pixel Order: Yes
		236-237	Invert Pixel Order: No

		238-239 240-241 242-255	Dimming Start Mode: High Dimming Start Mode: Low Null
2	2		**STROBE**
		000-007 008-015 016-131 132-139 140-181 182-189 190-231 232-239 240-247 248-255	Close Open Strobe from Slow to Fast Open Fast Open Slow Close from Slow to Fast Open Slow Open Fast Close from Slow to Fast Open Random Strobe from Slow to Fast Open
3	3		**DIMMER**
		000-255	0%→100%
4	4	000-255	**DIMMER FINE**
5	5		**CTO**
		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	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

		127-130	5200K
		131-135	5100K
		136-139	5000K
		140-144	4900K
		145-148	4800K
		149-153	4700K
		154-157	4600K
		158-162	4500K
		163-166	4400K
		167-171	4300K
		172-175	4200K
		176-180	4100K
		181-184	4000K
		185-189	3900K
		190-193	3800K
		194-198	3700K
		199-202	3600K
		203-207	3500K
		208-211	3400K
		212-216	3300K
		217-220	3200K
		221-225	3100K
		226-229	3000K
		230-234	2900K
		235-238	2800K
		239-243	2700K
		244-247	2600K
		248-255	2500K
			COLOR MACRO
		000-009	Null
		010-014	Color 1
		015-019	Color 2
		020-024	Color 3
		025-029	Color 4
		030-034	Color 5
		035-039	Color 6
		040-044	Color 7
6		045-049	Color 8
		050-054	Color 9
		055-059	Color 10
		060-064	Color 11
		065-069	Color 12
		070-073	Color 13
		074-078	Color 14
		079-083	Color 15
		084-088	Color 16
		089-093	Color 17

		094-098	Color 18
		099-103	Color 19
		104-108	Color 20
		109-113	Color 21
		114-118	Color 22
		119-123	Color 23
		124-128	Color 24
		129-132	Color 25
		133-137	Color 26
		138-142	Color 27
		143-147	Color 28
		148-152	Color 29
		153-157	Color 30
		158-162	Color 31
		163-167	Color 32
		168-172	Color 33
		173-177	Color 34
		178-182	Color 35
		183-187	Color 36
		188-192	Color 37
		193-196	Color 38
		197-201	Color 39
		202-206	Color 40
		207-211	Color 41
		212-216	Color 42
		217-221	Color 43
		222-226	Color 44
		227-231	Color 45
		232-236	Color 46
		237-241	Color 47
		242-246	Color 48
		247-251	Color 49
		252-255	Color 50
7			**MACRO EFFECT SELECT**
		000-007	Null
		008-024	Built-in Effect 1
		025-041	Built-in Effect 2
		042-058	Built-in Effect 3
		059-075	Built-in Effect 4
		076-092	Built-in Effect 5
		093-109	Built-in Effect 6
		110-126	Built-in Effect 7
		127-143	Built-in Effect 8
		144-160	Built-in Effect 9
		161-177	Built-in Effect 10
		178-194	Built-in Effect 11
		195-211	Built-in Effect 12

		212-228 229-245 246-255	Built-in Effect 13 Built-in Effect 14 Rainbow Effect
8		000 001-127 128-255	**MACRO EFFECT SPEED** Null Normal, Slow to Fast Inverse, Slow to Fast
9		000-255	**FROST** 0%→100%
10		000-255	**RED** 0%→100%
11		000-255	**GREEN** 0%→100%
12		000-255	**BLUE** 0%→100%
13		000-255	**WHITE** 0%→100%
14		000-255	**AMBER** 0%→100%
15		000-255	**CYAN** 0%→100%
16		000-255	**PURPLE** 0%→100%
	6	000-255	**FROST 1** 0%→100%
	7	000-255	**RED 1** 0%→100%
	8	000-255	**GREEN 1** 0%→100%
	9	000-255	**BLUE 1** 0%→100%
	10	000-255	**WHITE 1** 0%→100%
	11	000-255	**AMBER 1** 0%→100%
	12	000-255	**CYAN 1** 0%→100%
	13	000-255	**PURPLE 1** 0%→100%
	14	000-255	**FROST 2** 0%→100%
	15	000-255	**RED 2** 0%→100%
	16		**GREEN 2**

		000-255	0%→100%
	17	000-255	BLUE 2 0%→100%
	18	000-255	WHITE 2 0%→100%
	19	000-255	AMBER 2 0%→100%
	20	000-255	CYAN 2 0%→100%
	21	000-255	PURPLE 2 0%→100%
	22	000-255	FROST 3 0%→100%
	23	000-255	RED 3 0%→100%
	24	000-255	GREEN 3 0%→100%
	25	000-255	BLUE 3 0%→100%
	26	000-255	WHITE 3 0%→100%
	27	000-255	AMBER 3 0%→100%
	28	000-255	CYAN 3 0%→100%
	29	000-255	PURPLE 3 0%→100%
	30	000-255	FROST 4 0%→100%
	31	000-255	RED 4 0%→100%
	32	000-255	GREEN 4 0%→100%
	33	000-255	BLUE 4 0%→100%
	34	000-255	WHITE 4 0%→100%
	35	000-255	AMBER 4 0%→100%
	36	000-255	CYAN 4 0%→100%
	37	000-255	PURPLE 4 0%→100%

	38	000-255	FROST 5 0%→100%
	39	000-255	RED 5 0%→100%
	40	000-255	GREEN 5 0%→100%
	41	000-255	BLUE 5 0%→100%
	42	000-255	WHITE 5 0%→100%
	43	000-255	AMBER 5 0%→100%
	44	000-255	CYAN 5 0%→100%
	45	000-255	PURPLE 5 0%→100%
	46	000-255	FROST 6 0%→100%
	47	000-255	RED 6 0%→100%
	48	000-255	GREEN 6 0%→100%
	49	000-255	BLUE 6 0%→100%
	50	000-255	WHITE 6 0%→100%
	51	000-255	AMBER 6 0%→100%
	52	000-255	CYAN 6 0%→100%
	53	000-255	PURPLE 6 0%→100%
	54	000-255	FROST 7 0%→100%
	55	000-255	RED 7 0%→100%
	56	000-255	GREEN 7 0%→100%
	57	000-255	BLUE 7 0%→100%
	58	000-255	WHITE 7 0%→100%
	59	000-255	AMBER 7 0%→100%

	60	000-255	CYAN 7 0%→100%
	61	000-255	PURPLE 7 0%→100%
	62	000-255	FROST 8 0%→100%
	63	000-255	RED 8 0%→100%
	64	000-255	GREEN 8 0%→100%
	65	000-255	BLUE 8 0%→100%
	66	000-255	WHITE 8 0%→100%
	67	000-255	AMBER 8 0%→100%
	68	000-255	CYAN 8 0%→100%
	69	000-255	PURPLE 8 0%→100%
	70	000-255	FROST 9 0%→100%
	71	000-255	RED 9 0%→100%
	72	000-255	GREEN 9 0%→100%
	73	000-255	BLUE 9 0%→100%
	74	000-255	WHITE 9 0%→100%
	75	000-255	AMBER 9 0%→100%
	76	000-255	CYAN 9 0%→100%
	77	000-255	PURPLE 9 0%→100%
	78	000-255	FROST 10 0%→100%
	79	000-255	RED 10 0%→100%
	80	000-255	GREEN 10 0%→100%
	81	000-255	BLUE 10 0%→100%

	82	000-255	WHITE 10 0%→100%
	83	000-255	AMBER 10 0%→100%
	84	000-255	CYAN 10 0%→100%
	85	000-255	PURPLE 10 0%→100%
	86	000-255	FROST 11 0%→100%
	87	000-255	RED 11 0%→100%
	88	000-255	GREEN 11 0%→100%
	89	000-255	BLUE 11 0%→100%
	90	000-255	WHITE 11 0%→100%
	91	000-255	AMBER 11 0%→100%
	92	000-255	CYAN 11 0%→100%
	93	000-255	PURPLE 11 0%→100%
	94	000-255	FROST 12 0%→100%
	95	000-255	RED 12 0%→100%
	96	000-255	GREEN 12 0%→100%
	97	000-255	BLUE 12 0%→100%
	98	000-255	WHITE 12 0%→100%
	99	000-255	AMBER 12 0%→100%
	100	000-255	CYAN 12 0%→100%
	101	000-255	PURPLE 12 0%→100%
	102	000-255	FROST 13 0%→100%
	103	000-255	RED 13 0%→100%

	104	000-255	GREEN 13 0%→100%
	105	000-255	BLUE 13 0%→100%
	106	000-255	WHITE 13 0%→100%
	107	000-255	AMBER 13 0%→100%
	108	000-255	CYAN 13 0%→100%
	109	000-255	PURPLE 13 0%→100%
	110	000-255	FROST 14 0%→100%
	111	000-255	RED 14 0%→100%
	112	000-255	GREEN 14 0%→100%
	113	000-255	BLUE 14 0%→100%
	114	000-255	WHITE 14 0%→100%
	115	000-255	AMBER 14 0%→100%
	116	000-255	CYAN 14 0%→100%
	117	000-255	PURPLE 14 0%→100%
	118	000-255	FROST 15 0%→100%
	119	000-255	RED 15 0%→100%
	120	000-255	GREEN 15 0%→100%
	121	000-255	BLUE 15 0%→100%
	122	000-255	WHITE 15 0%→100%
	123	000-255	AMBER 15 0%→100%
	124	000-255	CYAN 15 0%→100%
	125	000-255	PURPLE 15 0%→100%

	126	000-255	FROST 16 0%→100%
	127	000-255	RED 16 0%→100%
	128	000-255	GREEN 16 0%→100%
	129	000-255	BLUE 16 0%→100%
	130	000-255	WHITE 16 0%→100%
	131	000-255	AMBER 16 0%→100%
	132	000-255	CYAN 16 0%→100%
	133	000-255	PURPLE 16 0%→100%

08/ 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 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 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 1/2/3/4/5/6/7/8 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.

Timeout Error

Too Hot Off

When the fixture temperature reaches 75℃, it will automatically turn off to protect the fixture.

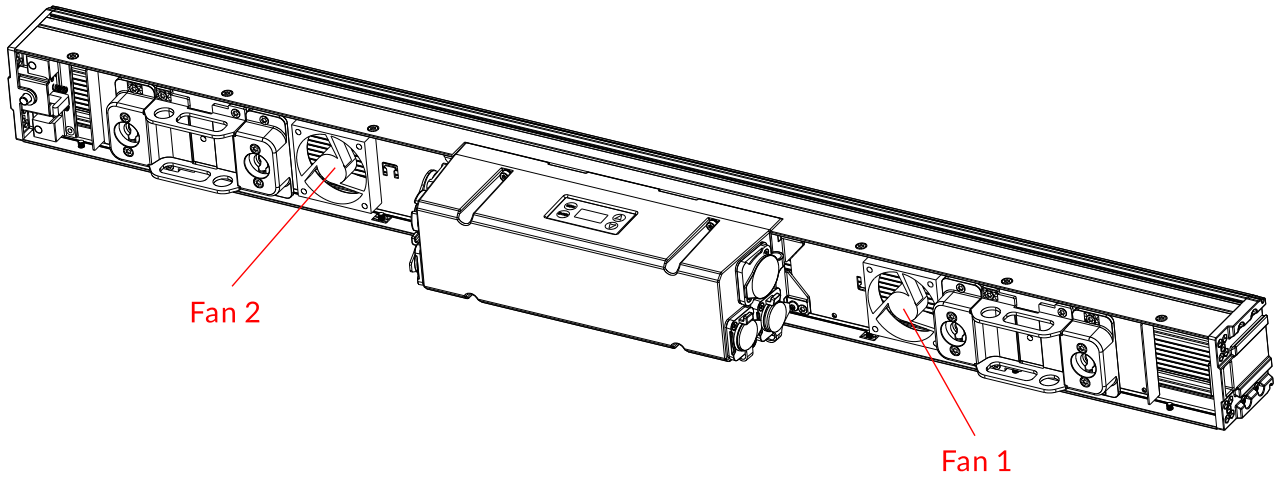
Network Error

Check whether the network module is installed.
Check whether the network module is damaged.

Color Cal Error

Check if the color calibration IC is damaged.
Check whether the color calibration IC board is inserted well and whether the electronic components are well soldered.
Check if the motherboard is malfunctioning.
Check whether the R76 bit resistors and other components on the motherboard are well soldered.

Position of cooling fans:



Cooling Fans	Part Number	V	W	Position
Fan 1	3014003023	DC 24V	2.2W	Main Board
Fan 2				

09/ Troubleshooting

Problem	Potential cause(s)	Remedies
Fixture does not respond or appears to be off.	No power to the fixture.	Confirm that the power is switched on and cables are plugged in.
	No output from PSU.	Replace the PSU.
Fixture suddenly turned off.	Power was turned off.	Check the power supply, switches and breakers.
Light output cuts out intermittently.	Fixture is too hot.	Check fixture's stored error messages for more information. Allow fixture to cool. Clean fixture. Reduce ambient temperature.
Fixture suddenly stopped responding.	DMX cables were disconnected.	Inspect DMX cables.
Fixture operates irregularly / abnormal.	Incorrect DMX address or DMX mode.	Inspect and enter the correct DMX address or mode.
	DMX link is not terminated.	Install a XLR 120ohm DMX termination at the end of the DMX link.
	Bad data link.	Replace or repair defective cables and/or connections.
	One of the fixtures is defective and is disturbing data transmission on the link.	Track and isolate the corrupted fixture. Have the fixture serviced by a qualified technician.

10/ Fixture Cleaning

Regular cleaning is very important for fixture life and performance. Buildup of dust, dirt, smoke particles, fog fluid residues, etc. degrades the fixture's light output and cooling ability. Cleaning schedules for lighting fixtures vary greatly depending on the operating environment. It is therefore impossible to specify precise cleaning intervals for the fixture. Environmental factors that may result in a need for frequent cleaning include:

- Use of smoke or fog machines.
- High airflow rates (near air conditioning vents, for example).
- Airborne dust (from stage effects, building structures and fittings or the natural environment at outdoor events, for example).

If one or more of these factors is present, inspect fixtures within their first few hours of operation to see whether cleaning is necessary. Check again at frequent intervals. This procedure will allow you to assess cleaning requirements in your particular situation.

Follow these precautions when cleaning the fixture:

- Work in a clean, dry, well-lit area.
- Use gentle pressure only. A soft lint-free cloth dampened with a solution of water and a mild detergent is recommended, under no circumstances should alcohol, solvents or abrasives be used! Use care when cleaning optical components: surfaces are fragile and easily scratched.

11/ Approvals and Certifications

This product has been tested and found to comply with the following standards:

- 2014/30/EU - Electromagnetic Compatibility (EMC)
- 2014/35/EU - Low Voltage Directive (LVD)
- cETLus Approved (Control #5000057)
- UK SI 2016 No. 1091: Electromagnetic Compatibility Regulations 2016
- UK SI 2016 No. 1101: The Electric Equipment (Safety) Regulations 2016

The information in this document is subject to change without notice.

For the latest information, visit www.acmelighting.com.