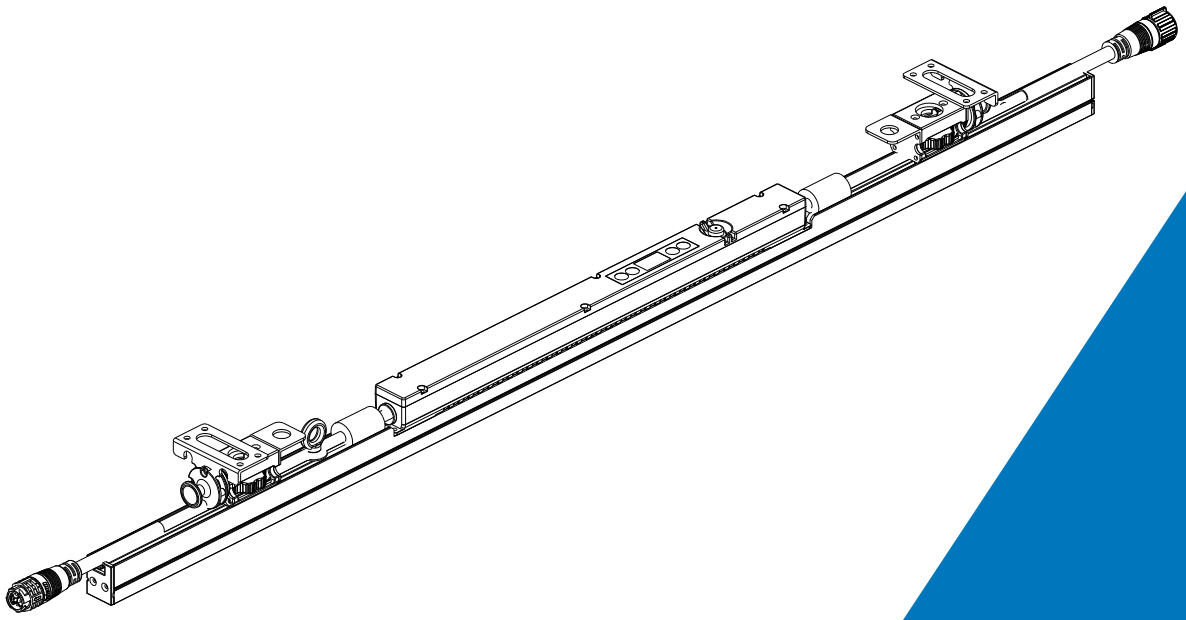
PIXEL LINE SLIM



User Manual

Please read the instruction carefully before use

CONTENTS

01/ Safety Information 2
02/ Technical Specifications 4
03/ Overview 7
04/ Connecting Power and Data 8
4.1 Connecting Power 8
4.2 Connecting Instruction 9
05/ Fixture Installation 11
06/ Operation 12
6.1 Control Menu 12
6.2 Home Position Adjustment 24
07/ Configuring the Device for DMX Control 30
7.1 Address Setting 30
7.2 DMX Protocol 31
08/ Error Information 47
09/ Troubleshooting 48
10/ Fixture Cleaning 49
11/ Cleaning and Maintenance 50
12/ Approvals and Certifications 51

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.

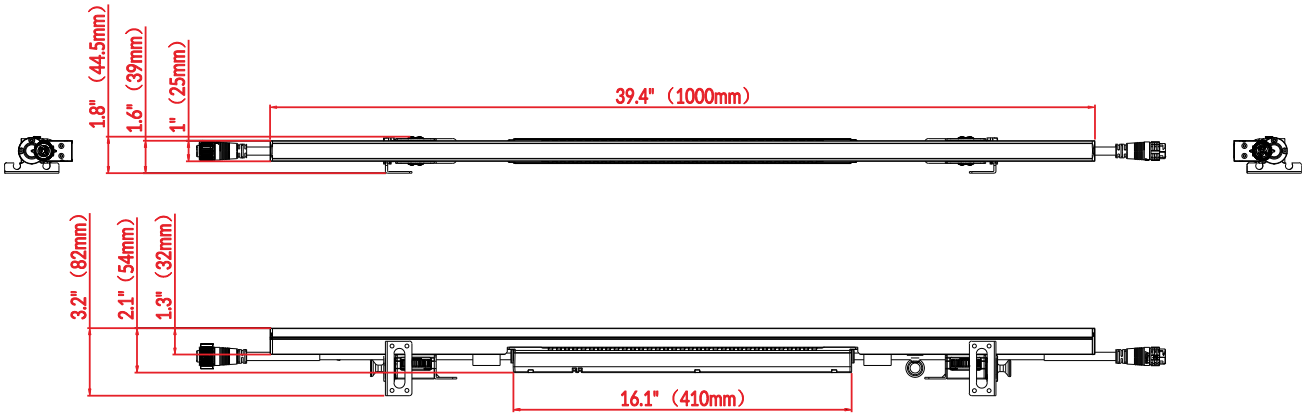
- Unpack and check carefully to ensure that there is no transportation damage before using the unit.
- This product is suitable for wet locations. Do not immerse in water.
- DO install and operate by qualified operator.
- DO NOT allow children to operate the fixture.
- Use safety chain when fixing the 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: -20℃. Maximum ambient temperature TA: 45℃. 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

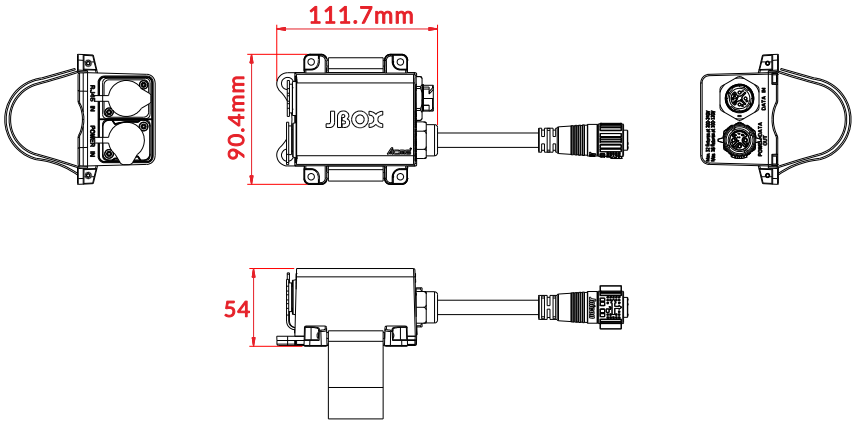
off the mains power immediately.

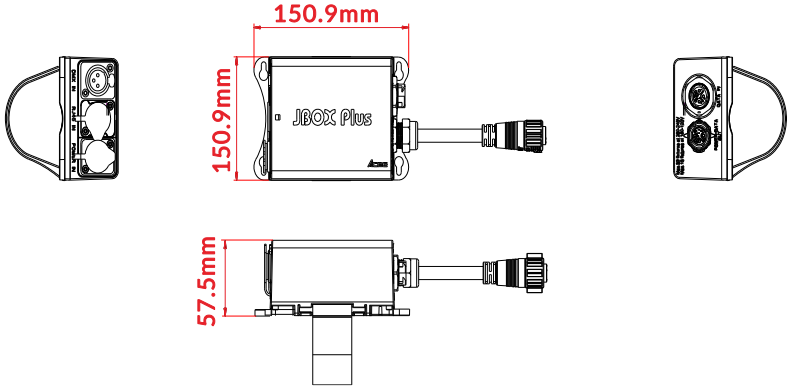
- DO NOT operate in a dirty or dusty environment. DO clean the fixture regularly.
- DO NOT touch any wire during operation as there might be a hazard of electric shock.
- Avoid entanglement of the power cord with other wires.
- The minimum distance to objects/surface must be more than 0.2 meters.
- In the event of serious operating problem, stop using the unit immediately.
- Never turn on and off the unit time after time.
- 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.

02/ Technical Specifications

AC Power	100-240Vac; 50/60Hz	
Max. Power Consumption	50W	
Light Source	48x1.2W RGB LEDs 48x1.2W WW LEDs 48x1.2W CW LEDs	
Beam Angle	74°	
Field Angle	114°	
Control and Programming	DMX Channels	14/19/24/29/39/49/69/89/129/244/249
	Protocols	DMX512 (via JBOX Plus)
		Art-Net
		sACN
		RDM
	Firmware Update	Upgrade via Ethernet（The IU-02 firmware must be upgraded to V1.8 before using JBOX Plus to upgrade the PIXEL LINE SLIM.）
Construction	Display	LCD play
	Power In/Out	Hybrid Power Data Cable in/out
	Protection Rating	IP66（Warning: Do not immerse the vent valve in water.）
Dynamic Effects	Individual pixel control and built-in color macro effects	
	0-100% continuous dimming and strobe effects	
	Choice of four dimming curves	
	Variable color temperature control	
	Outstanding color mixing	
	Individual pixel control and built-in color macro effects	
	High standard CRI: Ra≥98(WW); Ra≥96(CW）	
Included Items	2 floor stands	
	Digital user manual	
Dimensions	45x82x1000mm	1.8''×3.2''×39.4''
Weight	2.2 kg	4.8lbs

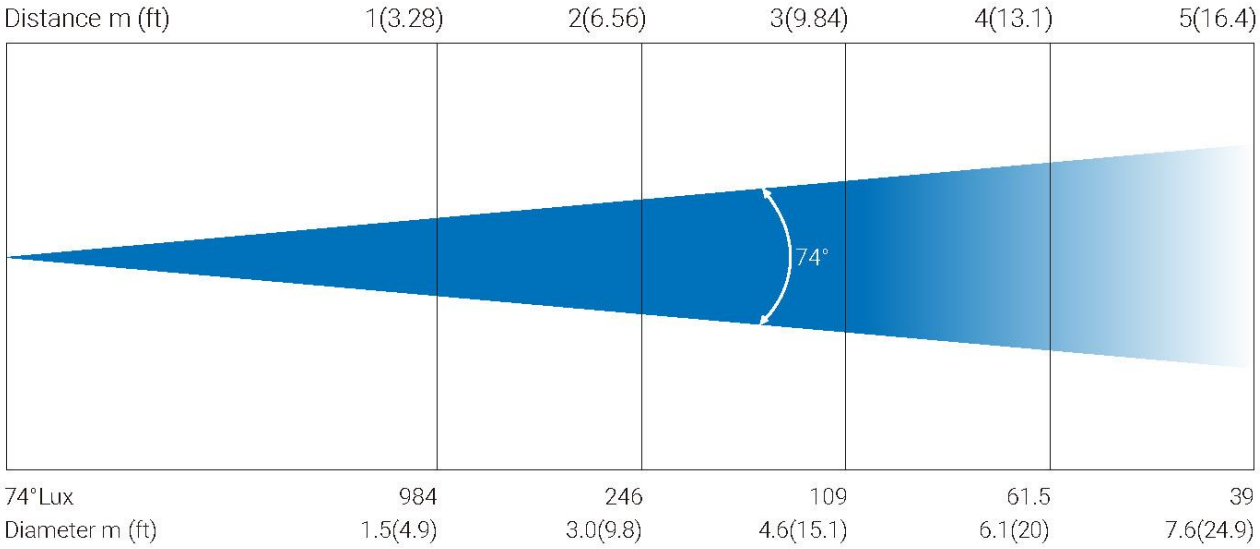

1.8" (44.5mm)
1.6" (39mm)
1" (25mm)
39.4" (1000mm)
3.2" (82mm)
2.1" (54mm)
1.3" (32mm)
16.1" (410mm)


111.7mm
90.4mm
JBOX
54

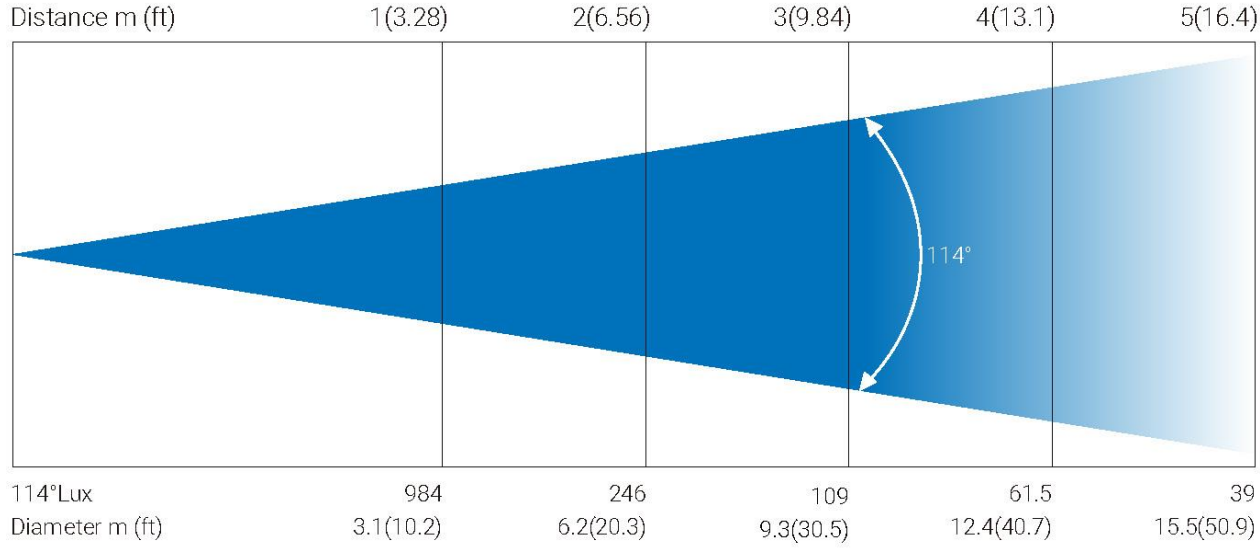

150.9mm
150.9mm
JBOX Plus
57.5mm

Photometric Diagram:

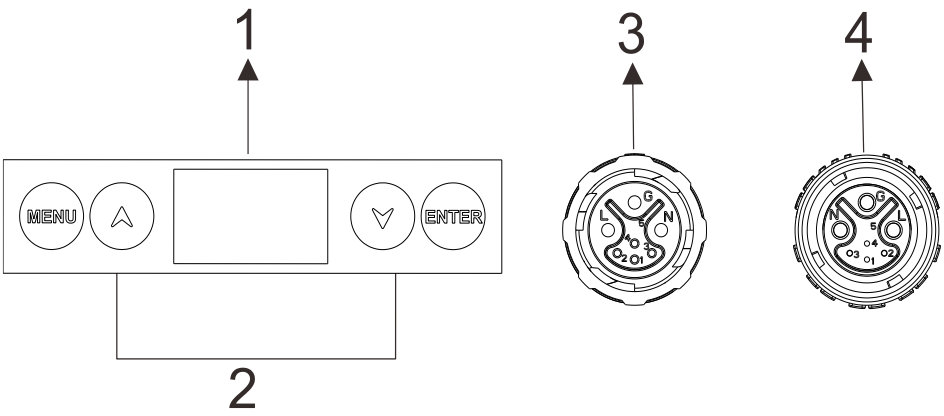
Beam Angle:



Field Angle:



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. Hybrid In	Connect to the JBOX or the output of the previous fixture	
4. Hybrid Out	Connect to the input of the next fixture.	

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 50W.

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.

CAUTION!

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

4.2 Connecting Instruction

Power and Data Connection (JBOX)

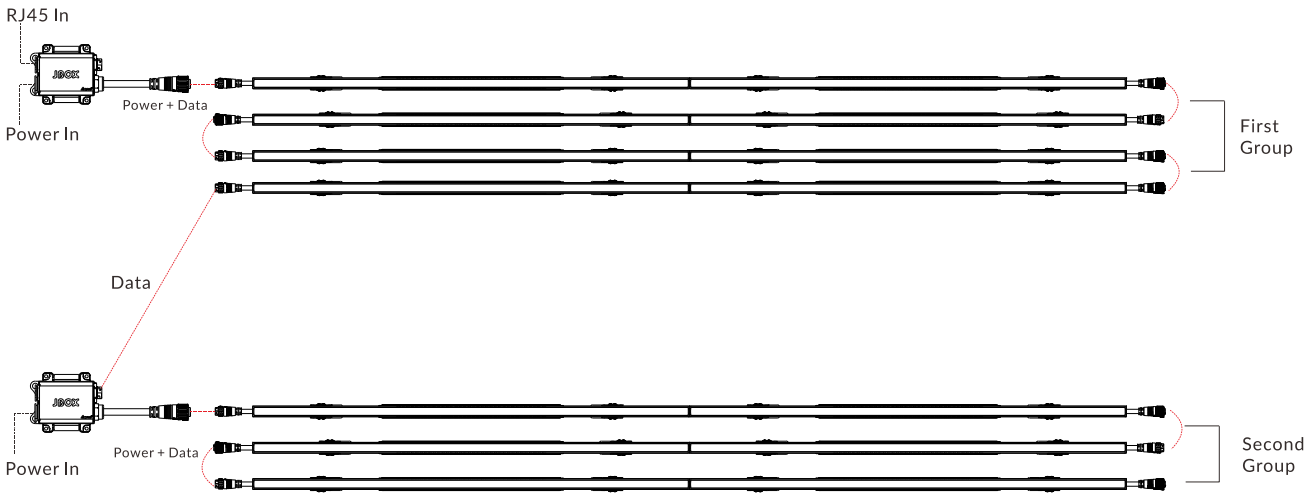
Power and control signals are transmitted to the fixture via a hybrid cable with a hybrid connector. This cable carries both power and network data, allowing multiple fixtures to be easily connected in a daisy chain without the need for additional signal cables between them.

Connection Steps:

1. Connect the mains power cable to the POWER IN port on the JBOX.
2. Connect the lighting console (or network switch) to the RJ45 port on the JBOX .
3. Connect the Hybrid Power/Data Cable Output of the JBOX to the Hybrid Power/Data Cable Input of the first fixture.
4. Connect the Hybrid Power/Data Cable Output of each fixture to the Hybrid Power/Data Cable Input of the next fixture in the chain. Continue this daisy-chain connection until all fixtures are connected.

Connection Limits:

JBOX can support 32 units at 240V or 16 units at 100V.



Power and Data Connection (JBOX Plus)

Power and control signals are transmitted to the fixture via a hybrid cable with a hybrid connector. This cable carries both power and network data, allowing multiple fixtures to be easily connected in a daisy chain without the need for additional signal cables between them.

Connection Steps:

1. Connect the mains power cable to the POWER IN port on the JBOX Plus.
2. Connect the lighting console (or network switch) to the RJ45 or DMX port on the JBOX Plus.
3. Connect the Hybrid Power/Data Cable Output of the JBOX Plus to the Hybrid Power/Data Cable Input of the first fixture.
4. Connect the Hybrid Power/Data Cable Output of each fixture to the Hybrid Power/Data Cable Input of the next fixture in the chain. Continue this daisy-chain connection until all fixtures are connected.

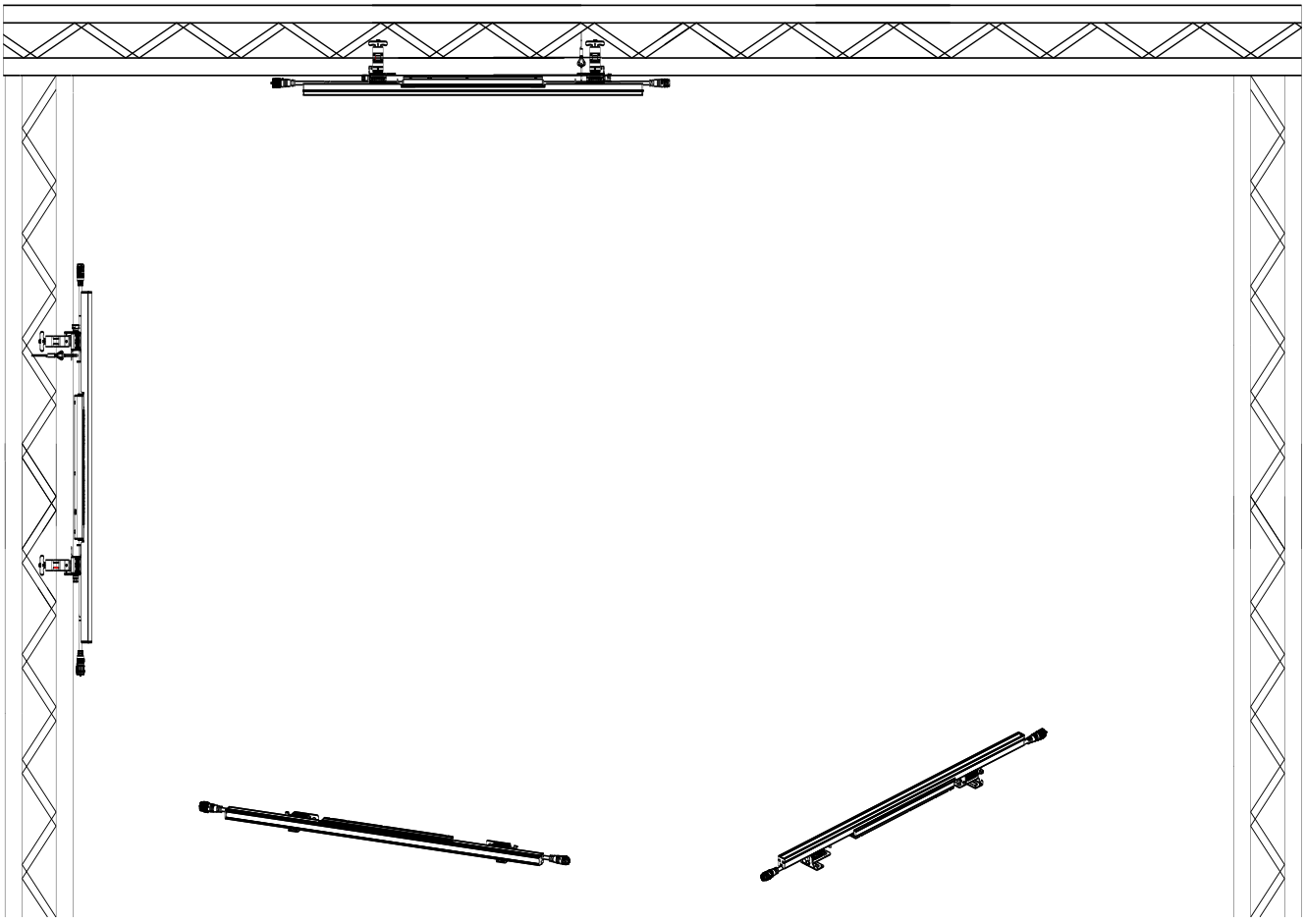
Connection Limits:

JBOX Plus can support 32 units at 240V or 16 units at 100V.



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



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 main functions are shown below:

MAIN MENU	SUBMENU	CHOICES/VALUES	
DMX Settings	Device ID	1-99999	
	DMX Address	1-512	(Default=1)
	DMX Channel Mode	Mode 1（249）	
		Mode 2（129）	
		Mode 3（89）	
		Mode 4（69）	
		Mode 5（49）	
		Mode 6（39）	
		Mode 7（29）	
		Mode 8（24）	
		Mode 9（19）	
		Mode 10（14）	
		Mode 11（244）	
	No DMX Status	Hold	
		Blackout	
		Manual	
	View DMX Value		
	Connect Option	Auto	
		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

MAIN MENU	SUBMENU		CHOICES/VALUES	
	Art-Net Settings		Net	
			Sub-Net	
			Universe	
	sACN Settings		Universe	
			Priority	
Fixture Settings	Dimmer Curve		Linear	
			Square Law	
			Inv SQ Law	
			S Curve	
	Dimmer Speed		Fast	
			Smooth	
	White Balance		Red All	125-255
			Green All	125-255
			Blue All	125-255
			Red 1	125-255
			Green 1	125-255
			Blue 1	125-255
			Red 2	125-255
			Green 2	125-255
			Blue 2	125-255
			.....	125-255
			Red 48	125-255
			Green 48	125-255
			Blue 48	125-255
	Invert Pixel Order		No	
			Yes	
Display Settings	Display Invert		No	
			Yes	
	Temperature Unit		°C	
			°F	
Fixture Test	Auto Test		Single	
			Cycle	
	Manual Test		Mode 1	
		Clear	No/Yes	
		Dimmer	0-255	
		Strobe	0-255	
		Crossfade	0-255	
		CTO	0-255	

MAIN MENU	SUBMENU		CHOICES/VALUES		
		Color Macro	0-255		
		Effect Macro	0-255		
		Effect Macro Speed	0-255		
		Red	0-255		
		Green	0-255		
		Blue	0-255		
		WW	0-255		
		CW	0-255		
Fixture Information	Use Hour		Fixture		
			Light Source	Total	
				Light On	
				Reset	Password=050
	Temperature			Current	Max temp
			Light Source		
	Firmware Version				
	RDM UID				
	Error Logs		Fixture Errors		
			Reset Error Log	No	
				Yes	Password=050
Special Function	Network Dev Config	Duplicate	No		
			Yes		
		Increase	No		
			Yes		
	Send Upgrade		No		
			Yes		
	Factory Settings		No		
			Yes		

DMX Settings

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

Device ID

The **Device ID** is an unique identifier for the fixture. It is used for recognition by lighting control systems and RDM devices, enabling differentiation, addressing, group management and remote configuration of multiple fixtures.

Select **Device ID,** press ENTER.

Use UP/DOWN button to select **1-99999**, confirm your selection with ENTER.

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

DMX Address

Select **DMX Address,** press ENTER.

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

CHANNEL MODE	DMX ADDRESS
Mode 1（249）	1-264
Mode 2（129）	1-384
Mode 3（89）	1-424
Mode 4（69）	1-444
Mode 5（49）	1-464
Mode 6（39）	1-474
Mode 7（29）	1-484
Mode 8（24）	1-489
Mode 9（19）	1-494
Mode 10（14）	1-499
Mode 11（244）	1-269

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

DMX Channel Mode

Select **DMX Channel Mode,** press ENTER.
Use UP/DOWN button to select between **Mode1(249),Mode2(129),Mode3(89),Mode4(69),Mode5(49),Mode6(39),Mode7(29),Mode8(24),Mode9(19),Mode10(14)**and**Mode11(244)**
confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

No DMX Status

Select **No DMX Status,** press ENTER.
Use UP/DOWN button to select one of the following status:
Blackout (Fixture blacks out if DMX signal stops)
Hold (The device continues to operate in the current mode with the last active DMX values until the signal returns)
Manual (The device accepts the DMX value stored in the 'Manual Test' menu)
Confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

View DMX Value

Select **View DMX Value,** press ENTER.
Use UP/DOWN button to select the desired DMX channel, for which the value is to be displayed.
To exit the menu, press MENU, or wait 30 seconds.

Connect Option

Select **Connect Option,** press ENTER.
Use UP/DOWN button to select **Auto, DMX, Art-Net** or **sACN**, confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.

Network

Select **Network,** press ENTER.

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

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

Art-Net Settings

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

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

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

sACN Settings

Select **sACN Settings,** press ENTER.

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

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

Fixture Settings

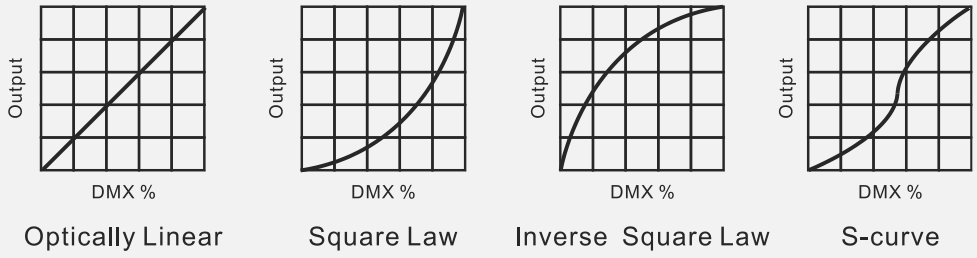
Enter the control menu and select **Fixture Settings**, press ENTER. Use the UP/DOWN button to select **Dimmer Curve, Dimmer Speed, White Balance** or **Invert Pixel Order.**

Dimmer Curve

Select **Dimmer Curve,** press ENTER.

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

Dimmer Modes



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 All, Green All, Blue All** , 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.

Display Settings

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

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.

Fixture Test

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

Auto Test

Select **Auto Test,** press ENTER.
The device immediately performs an automatic self-test.
To end the automatic self-test and exit the menu, press MENU, or wait 30 seconds.

Manual Test

Select **Manual Test,** press ENTER.
Use UP/DOWN button to select the channel for which the manual test is to be performed, confirm your selection with ENTER.
Use UP/DOWN button to select a value, confirm your selection with ENTER.
To exit the menu, press MENU, or wait 30 seconds.
(The device returns to its original DMX state after the manual test. The test values are saved automatically when the device is switched off.)

Fixture Information

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

Use Hour

Select Use Hour, use UP/DOWN button to select **Fixture** or **Light Source**, press ENTER.

Select **Light Source**, use UP/DOWN button to select **Total (total time)** or **Light On (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 **Reset**, confirm your selection with ENTER.If you wish to reset the Light Source operating hours, 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 Light Source 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.

Firmware Version

Select **Firmware Version**, press ENTER.

The firmware version is displayed.

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

RDM UID

Select **RDM UID,** press ENTER.

The RDM UID is displayed.

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

Error Logs

Select **Error Logs,** press ENTER.

Use UP/DOWN button to select **Fixture Errors**, confirm your selection with ENTER.

The error list is displayed.

Use UP/DOWN button to select **Reset Error Log**, confirm your selection with ENTER.

If you wish to reset the relevant error logs, select **Yes**. If you do not wish to reset anything, select **No**. Confirm your selection with ENTER.

If you select **Yes**, use UP/DOWN button to set the password 050, confirm your selection with ENTER. The relevant error logs are reset.

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

Special Function

Enter the control menu and select **Special Function**, press ENTER. Use the UP/DOWN button to select **Network Dev Config,Send Upgrade or Factory Settings.**

Network Dev Config

Select **Network Device Config** , press the ENTER button to confirm, you can view Duplicate and Increase, press the ENTER button to save.

Select: Duplicate, press the ENTER button to confirm.

Use the UP/DOWN buttons to select **Yes** or **No**, selecting **Yes** will copy the unit's own setting parameters to the fixtures behind via network, press the ENTER button to save.

Select: **Increase**, press the ENTER button to confirm.

Use the UP/DOWN buttons to select **Yes** or **No**, selecting **Yes** will synchronize the unit's own "Channel Mode" and "Connection Options" to the fixtures behind via network, "Address Code" "Art-Net Universe" "sACN Universe" will increment according to the algorithm formula based on the Channel Mode length, press the ENTER button to save.

Send Upgrade

Select Send Upgrade, press ENTER.

If you wish to send upgrade files from this fixture to other fixtures to upgrade their firmware, select Yes, confirm your selection with ENTER. Once selected, the display of this fixture will show “Sending Packet, Please Wait...” while the display of other fixtures will show “Upgrading, Please Wait...”. A percentage bar will also be displayed. 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.

Factory Settings

Select **Factory Settings,** 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:

Standard RDM Parameter ID

PID	Parameter ID	Discovery command	SET command	GET command
0x0001	DISC_UNIQUE_BRANCH	√		
0x0002	DISC_MUTE	√		
0x0003	DISC_UN_MUTE	√		
0x0050	SUPPORTED_PARAMETERS			√
0x0051	PARAMETER_DESCRIPTION			√
0x0060	DEVICE_INFO			√
0x0080	DEVICE_MODEL_DESCRIPTION			√
0x0081	MANUFACTURER_LABEL			√
0x0082	DEVICE_LABEL		√	√
0x0090	FACTORY_DEFAULTS		√	√
0x00C0	SOFTWARE_VERSION_LABEL			√
0x00C1	BOOT_SOFTWARE_VERSION_ID			√
0x00C2	BOOT_SOFTWARE_VERSION_LABEL			√
0x00E0	DMX_PERSONALITY		√	√
0x00E1	DMX_PERSONALITY_DESCRIPTION			√
0x00F0	DMX_START_ADDRESS		√	√
0x0120	SLOT_INFO			√
0x0121	SLOT_DESCRIPTION			√
0x0200	SENSOR_DEFINITION			√

0x0201	SENSOR_VALUE			√
0x0343	CURVE		√	√
0x0344	CURVE_DESCRIPTION			√
0x0400	DEVICE_HOURS			√
0x0401	LAMP_HOURS			√
0x1000	IDENTIFY_DEVICE		√	√
0x1001	RESET_DEVICE		√	√

√ -Command implemented for the respective parameter ID

Manufacturer-specific RDM Parameter ID

PID	Parameter ID	Discovery command	SET command	GET command	Note
0xA004	DMX_STATUS		√	√	0:Blackout 1:Hold 2:Manual
0xA007	INVERT_PIXEL_ORDER		√	√	0:No 1:Yes
0xA008	DIMMER_SPEED		√	√	0:Fast 1:Smooth
0xA00F	WHITE_BALANCE		√	√	
0xA018	ERROR_LOG			√	
0xA033	RDM_DEVICE_ID		√	√	1-99999
0xA034	RDM_ARTNET_UNIVERSE		√	√	0-32767
0xA035	RDM_SACN_UNIVERSE		√	√	1-32000
0xA036	RDM_SACN_PRIORITY		√	√	0-200
0x0705	IPV4_CURRENT_ADDRESS		√	√	
0x0706	IPV4_STATIC_ADDRESS		√	√	

√ -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 [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(Hz)	1072~1327
Red	125~255
Green	125~255
Blue	125~255
WW	125~255
CW	125~255
Red 1	125~255
Green 1	125~255
Blue 1	125~255
WW 1	125~255
CW 1	125~255
Red 2	125~255
Green 2	125~255
Blue 2	125~255
WW 2	125~255
CW 2	125~255
…..	125~255
Red 48	125~255
Green 48	125~255
Blue 48	125~255
WW 48	125~255
CW 48	125~255

Frequency(Hz)

Select **Frequency(Hz),** press ENTER.

Use UP/DOWN button to select a value between 1072 and 1327, confirm your selection with ENTER.

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

Red

Select **Red ,** press ENTER.

Use UP/DOWN button to select a value between 125 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 125 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 125 and 255, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

WW

Select **WW,** press ENTER.
Use UP/DOWN button to select a value between 125 and 255, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

CW

Select **CW,** press ENTER.
Use UP/DOWN button to select a value between 125 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 125 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 125 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 125 and 255, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

WW 1

Select **WW 1,** press ENTER.
Use UP/DOWN button to select a value between 125 and 255, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

CW 1

Select **CW 1,** press ENTER.
Use UP/DOWN button to select a value between 125 and 255, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

RED 2

Select **RED 2,** press ENTER.
Use UP/DOWN button to select a value between 125 and 255, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

GREEN 2

Select **GREEN 2,** press ENTER.
Use UP/DOWN button to select a value between 125 and 255, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

BLUE 2

Select **BLUE 2,** press ENTER.
Use UP/DOWN button to select a value between 125 and 255, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

WW 2

Select **WW 2,** press ENTER.
Use UP/DOWN button to select a value between 125 and 255, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

CW 2

Select **CW 2,** press ENTER.
Use UP/DOWN button to select a value between 125 and 255, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

.....

RED 48

Select **RED 48,** press ENTER.
Use UP/DOWN button to select a value between 125 and 255, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

GREEN 48

Select **GREEN 48,** press ENTER.
Use UP/DOWN button to select a value between 125 and 255, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

BLUE 48

Select **BLUE 48,** press ENTER.
Use UP/DOWN button to select a value between 125 and 255, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

WW 48

Select **WW 48,** press ENTER.
Use UP/DOWN button to select a value between 125 and 255, confirm your selection with ENTER.
To exit the offset menu, press MENU, or wait 30 seconds.

CW 48

Select **CW 48,** press ENTER.
Use UP/DOWN button to select a value between 125 and 255, 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 249 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 250. As the first fixture uses all the first 249 DMX channels, the next available channel is 250 (249+1=250 >> 250).

See the chart below for more details:

Channel Mode	Unit 1 Address	Unit 2 Address	Unit 3 Address	Unit 4 Address	Unit xxx Address
249Channel	1	250	499		
129Channel	1	130	259	388	
89Channel	1	90	179	268	.....
69Channel	1	70	139	208	.....
49Channel	1	50	99	148	.....
39Channel	1	40	79	118	.....
29Channel	1	30	59	88	.....

24Channel	1	25	49	73	……
19Channel	1	20	39	58	
14Channel	1	15	29	43	
244Channel	1	245	489		

7.2 DMX Protocol

Valid from firmware version: V1.3

249ch/129ch/89ch/69ch/49ch/39ch:

CHANNEL						VALUE	FUNCTION
249ch	129ch	89ch	69ch	49ch	39ch		
1	1	1	1	1	1	000-255	**DIMMER** 0%→100%
2	2	2	2	2	2	000-255	**DIMMER FINE** 0%→100%
3	3	3	3	3	3	000-007 008-015 016-131 132-139 140-181 182-189 190-231 232-239 240-247 248-255	**STROBE** Close Open Strobe Slow->Fast Open Fast Open Slow Close Open Fast Close Slow Open Open Random Strobe Slow >Fast Open
4	4	4	4	4	4	000-255	**CROSS FADE** 0%→100%
5	5	5	5	5	5	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	**CTO** NULL 8000K 7900K 7800K 7700K 7600K 7500K 7400K 7300K 7200K 7100K 7000K 6900K 6800K

CHANNEL						VALUE	FUNCTION
						059– 063	6700K
						064– 067	6600K
						068– 072	6500K
						073– 076	6400K
						077– 081	6300K
						082– 085	6200K
						086– 090	6100K
						091– 094	6000K
						095– 099	5900K
						100– 103	5800K
						104– 108	5700K
						109– 112	5600K
						113– 117	5500K
						118– 121	5400K
						122– 126	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
6	**6**	**6**	**6**	**6**	**6**		**COLOR MACRO**
						000-007	Open
						008-009	010 Medium Yellow
						010-011	019 Fire
						012-013	021 Gold Amber
						014-015	025 Sunset Red
						016-017	036 Medium Pink
						018-019	052 Light Lavender
						020-021	058 Lavender
						022-023	068 Sky Blue

CHANNEL						VALUE	FUNCTION
						024-025	079 Just Blue
						026-027	088 Lime Green
						028-029	089 Moss Green
						030-031	090 Dark Yellow Green
						032-033	100 Spring Yellow
						034-035	101 Yellow
						036-037	102 Light Amber
						038-039	103 Straw
						040-041	104 Deep Amber
						042-043	105 Orange
						044-045	111 Dark Pink
						046-047	115 Peacock Blue
						048-049	116 Medium Blue-Green
						050-051	117 Steel Blue
						052-053	118 Light Blue
						054-055	120 Deep Blue
						056-057	121 LEE Green
						058-059	122 Fern Green
						060-061	124 Dark Green
						062-063	126 Mauve
						064-065	128 Bright Pink
						066-067	132 Medium Blue
						068-069	135 Deep Golden Amber
						070-071	136 Pale Lavender
						072-073	137 Special Lavender
						074-075	138 Pale Green
						076-077	139 Primary Green
						078-079	141 Bright Blue
						080-081	147 Apricot
						082-083	152 Pale Gold
						084-085	157 Pink
						086-087	162 Bastard Amber
						088-089	164 Flame Red
						090-091	165 Daylight Blue
						092-093	170 Deep Lavender
						094-095	181 Congo Blue
						096-097	194 Surprise Pink
						098-099	197 Alice Blue
						100-101	201 Full C.T. Blue
						102-103	202 Half C.T. Blue
						104-105	353 Lighter Blue
						106-107	778 Millennium Gold
						108-109	Amber
						110-255	NULL
							EFFECT MACRO
						000-007	NULL
						008-015	EFFECT 1
						016-023	EFFECT 2
7	**7**	**7**	**7**	**7**	**7**	024-031	EFFECT 3
						032-039	EFFECT 4
						040-047	EFFECT 5
						048-055	EFFECT 6
						056-063	EFFECT 7

CHANNEL						VALUE	FUNCTION
						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	EFFECT 8 EFFECT 9 EFFECT 10 EFFECT 11 EFFECT 12 EFFECT 13 EFFECT 14 EFFECT 15 EFFECT 16 EFFECT 17 EFFECT 18 EFFECT 19 EFFECT 20 EFFECT 21 EFFECT 22 EFFECT 23 EFFECT 24 EFFECT 25 EFFECT 26 EFFECT 27 EFFECT 28 EFFECT 29 EFFECT 30 EFFECT 31
8	**8**	**8**	**8**	**8**	**8**	000 001-127 128-255	**EFFECT MACRO SPEED** Stop Slow to fast without fade Slow to fast With fade
9	**9**	**9**	**9**	**9**	**9**	000-029 030-039 040-049 050-059 060-069 070-079 080-089 090-099 100-109 110-119 120-159 160-161 162-163 164-209 210-219 220-229 230-255	**FUNCTION** No Function Dimmer Curve Linear Dimmer Curve Square Law Dimmer Curve Inv Square Law Dimmer Curve S No Function No Function No Function No Function No Function No Function Invert Pixel Order : Yes Invert Pixel Order : No No Function Dimmer Speed Fast Dimmer Speed Smooth No Function
10	**10**	**10**	**10**	**10**	**10**	000-255	**Red 1** 0%→100%
11	**11**	**11**	**11**	**11**	**11**	000-255	**Green 1** 0%→100%
12	**12**	**12**	**12**	**12**	**12**	000-255	**Blue 1** 0%→100%

CHANNEL						VALUE	FUNCTION
13	13	13	13	13	13	000-255	**WW 1** 0%→100%
14	14	14	14	14	14	000-255	**CW 1** 0%→100%
15	15	15	15	15	15	000-255	**Red 2** 0%→100%
16	16	16	16	16	16	000-255	**Green 2** 0%→100%
17	17	17	17	17	17	000-255	**Blue 2** 0%→100%
18	18	18	18	18	18	000-255	**WW 2** 0%→100%
19	19	19	19	19	19	000-255	**CW 2** 0%→100%
20	20	20	20	20	20	000-255	**Red 3** 0%→100%
21	21	21	21	21	21	000-255	**Green 3** 0%→100%
22	22	22	22	22	22	000-255	**Blue 3** 0%→100%
23	23	23	23	23	23	000-255	**WW 3** 0%→100%
24	24	24	24	24	24	000-255	**CW 3** 0%→100%
25	25	25	25	25	25	000-255	**Red 4** 0%→100%
26	26	26	26	26	26	000-255	**Green 4** 0%→100%
27	27	27	27	27	27	000-255	**Blue 4** 0%→100%
28	28	28	28	28	28	000-255	**WW 4** 0%→100%
29	29	29	29	29	29	000-255	**CW 4** 0%→100%
30	30	30	30	30	30	000-255	**Red 5** 0%→100%
31	31	31	31	31	31	000-255	**Green 5** 0%→100%
32	32	32	32	32	32	000-255	**Blue 5** 0%→100%
33	33	33	33	33	33	000-255	**WW 5** 0%→100%
34	34	34	34	34	34	000-255	**CW 5** 0%→100%
35	35	35	35	35	35	000-255	**Red 6** 0%→100%
36	36	36	36	36	36	000-255	**Green 6** 0%→100%

CHANNEL						VALUE	FUNCTION
37	37	37	37	37	37	000-255	**Blue 6** 0%→100%
38	38	38	38	38	38	000-255	**WW 6** 0%→100%
39	39	39	39	39	39	000-255	**CW 6** 0%→100%
40	40	40	40	40		000-255	**Red 7** 0%→100%
41	41	41	41	41		000-255	**Green 7** 0%→100%
42	42	42	42	42		000-255	**Blue 7** 0%→100%
43	43	43	43	43		000-255	**WW 7** 0%→100%
44	44	44	44	44		000-255	**CW 7** 0%→100%
45	45	45	45	45		000-255	**Red 8** 0%→100%
46	46	46	46	46		000-255	**Green 8** 0%→100%
47	47	47	47	47		000-255	**Blue 8** 0%→100%
48	48	48	48	48		000-255	**WW 8** 0%→100%
49	49	49	49	49		000-255	**CW 8** 0%→100%
50	50	50	50			000-255	**Red 9** 0%→100%
51	51	51	51			000-255	**Green 9** 0%→100%
52	52	52	52			000-255	**Blue 9** 0%→100%
53	53	53	53			000-255	**WW 9** 0%→100%
54	54	54	54			000-255	**CW 9** 0%→100%
55	55	55	55			000-255	**Red 10** 0%→100%
56	56	56	56			000-255	**Green 10** 0%→100%
57	57	57	57			000-255	**Blue 10** 0%→100%
58	58	58	58			000-255	**WW 10** 0%→100%
59	59	59	59			000-255	**CW 10** 0%→100%
60	60	60	60			000-255	**Red 11** 0%→100%

CHANNEL						VALUE	FUNCTION
61	61	61	61			000-255	**Green 11** 0%→100%
62	62	62	62			000-255	**Blue 11** 0%→100%
63	63	63	63			000-255	**WW 11** 0%→100%
64	64	64	64			000-255	**CW 11** 0%→100%
65	65	65	65			000-255	**Red 12** 0%→100%
66	66	66	66			000-255	**Green 12** 0%→100%
67	67	67	67			000-255	**Blue 12** 0%→100%
68	68	68	68			000-255	**WW 12** 0%→100%
69	69	69	69			000-255	**CW 12** 0%→100%
70	70	70				000-255	**Red 13** 0%→100%
71	71	71				000-255	**Green 13** 0%→100%
72	72	72				000-255	**Blue 13** 0%→100%
73	73	73				000-255	**WW 13** 0%→100%
74	74	74				000-255	**CW 13** 0%→100%
75	75	75				000-255	**Red 14** 0%→100%
76	76	76				000-255	**Green 14** 0%→100%
77	77	77				000-255	**Blue 14** 0%→100%
78	78	78				000-255	**WW 14** 0%→100%
79	79	79				000-255	**CW 14** 0%→100%
80	80	80				000-255	**Red 15** 0%→100%
81	81	81				000-255	**Green 15** 0%→100%
82	82	82				000-255	**Blue 15** 0%→100%
83	83	83				000-255	**WW 15** 0%→100%
84	84	84				000-255	**CW 15** 0%→100%

CHANNEL						VALUE	FUNCTION
85	85	85				000-255	**Red 16** 0%→100%
86	86	86				000-255	**Green 16** 0%→100%
87	87	87				000-255	**Blue 16** 0%→100%
88	88	88				000-255	**WW 16** 0%→100%
89	89	89				000-255	**CW 16** 0%→100%
90	90					000-255	**Red 17** 0%→100%
91	91					000-255	**Green 17** 0%→100%
92	92					000-255	**Blue 17** 0%→100%
93	93					000-255	**WW 17** 0%→100%
94	94					000-255	**CW 17** 0%→100%
95	95					000-255	**Red 18** 0%→100%
96	96					000-255	**Green 18** 0%→100%
97	97					000-255	**Blue 18** 0%→100%
98	98					000-255	**WW 18** 0%→100%
99	99					000-255	**CW 18** 0%→100%
100	100					000-255	**Red 19** 0%→100%
101	101					000-255	**Green 19** 0%→100%
102	102					000-255	**Blue 19** 0%→100%
103	103					000-255	**WW 19** 0%→100%
104	104					000-255	**CW 19** 0%→100%
105	105					000-255	**Red 20** 0%→100%
106	106					000-255	**Green 20** 0%→100%
107	107					000-255	**Blue 20** 0%→100%
108	108					000-255	**WW 20** 0%→100%

CHANNEL						VALUE	FUNCTION
109	109					000-255	**CW 20** 0%→100%
110	110					000-255	**Red 21** 0%→100%
111	111					000-255	**Green 21** 0%→100%
112	112					000-255	**Blue 21** 0%→100%
113	113					000-255	**WW 21** 0%→100%
114	114					000-255	**CW 21** 0%→100%
115	115					000-255	**Red 22** 0%→100%
116	116					000-255	**Green 22** 0%→100%
117	117					000-255	**Blue 22** 0%→100%
118	118					000-255	**WW 22** 0%→100%
119	119					000-255	**CW 22** 0%→100%
120	120					000-255	**Red 23** 0%→100%
121	121					000-255	**Green 23** 0%→100%
122	122					000-255	**Blue 23** 0%→100%
123	123					000-255	**WW 23** 0%→100%
124	124					000-255	**CW 23** 0%→100%
125	125					000-255	**Red 24** 0%→100%
126	126					000-255	**Green 24** 0%→100%
127	127					000-255	**Blue 24** 0%→100%
128	128					000-255	**WW 24** 0%→100%
129	129					000-255	**CW 24** 0%→100%
239						000-255	**……**
240						000-255	**Red 47** 0%→100%
241						000-255	**Green 47** 0%→100%

CHANNEL						VALUE	FUNCTION
242						000-255	**Blue 47** 0%→100%
243						000-255	**WW 47** 0%→100%
244						000-255	**CW 47** 0%→100%
245						000-255	**Red 48** 0%→100%
246						000-255	**Green 48** 0%→100%
247						000-255	**Blue 48** 0%→100%
248						000-255	**WW 48** 0%→100%
249						000-255	**CW 48** 0%→100%

14ch/19ch/24ch/29ch/244ch:

CHANNEL					VALUE	FUNCTION
14ch	19ch	24ch	29ch	244ch		
1	1	1	1	1	000-255	**DIMMER** 0%→100%
2	2	2	2	2	000-255	**DIMMER FINE** 0%→100%
3	3	3	3	3	000-007 008-015 016-131 132-139 140-181 182-189 190-231 232-239 240-247 248-255	**STROBE** Close Open Strobe Slow->Fast Open Fast Open Slow Close Open Fast Close Slow Open Open Random Strobe Slow >Fast Open
4	4	4	4		000-255	**CROSS FADE** 0%→100%
5	5	5	5		000 001– 004 005– 009 010– 013 014– 018 019– 022 023– 027 028– 031 032– 036	**CTO** NULL 8000K 7900K 7800K 7700K 7600K 7500K 7400K 7300K

CHANNEL					VALUE	FUNCTION
					037– 040	7200K
					041– 045	7100K
					046– 049	7000K
					050– 054	6900K
					055– 058	6800K
					059– 063	6700K
					064– 067	6600K
					068– 072	6500K
					073– 076	6400K
					077– 081	6300K
					082– 085	6200K
					086– 090	6100K
					091– 094	6000K
					095– 099	5900K
					100– 103	5800K
					104– 108	5700K
					109– 112	5600K
					113– 117	5500K
					118– 121	5400K
					122– 126	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
6	**6**	**6**	**6**		000-007	Open
					008-009	010 Medium Yellow
					010-011	019 Fire
					012-013	021 Gold Amber

CHANNEL					VALUE	FUNCTION
					014-015	025 Sunset Red
					016-017	036 Medium Pink
					018-019	052 Light Lavender
					020-021	058 Lavender
					022-023	068 Sky Blue
					024-025	079 Just Blue
					026-027	088 Lime Green
					028-029	089 Moss Green
					030-031	090 Dark Yellow Green
					032-033	100 Spring Yellow
					034-035	101 Yellow
					036-037	102 Light Amber
					038-039	103 Straw
					040-041	104 Deep Amber
					042-043	105 Orange
					044-045	111 Dark Pink
					046-047	115 Peacock Blue
					048-049	116 Medium Blue-Green
					050-051	117 Steel Blue
					052-053	118 Light Blue
					054-055	120 Deep Blue
					056-057	121 LEE Green
					058-059	122 Fern Green
					060-061	124 Dark Green
					062-063	126 Mauve
					064-065	128 Bright Pink
					066-067	132 Medium Blue
					068-069	135 Deep Golden Amber
					070-071	136 Pale Lavender
					072-073	137 Special Lavender
					074-075	138 Pale Green
					076-077	139 Primary Green
					078-079	141 Bright Blue
					080-081	147 Apricot
					082-083	152 Pale Gold
					084-085	157 Pink
					086-087	162 Bastard Amber
					088-089	164 Flame Red
					090-091	165 Daylight Blue
					092-093	170 Deep Lavender
					094-095	181 Congo Blue
					096-097	194 Surprise Pink
					098-099	197 Alice Blue
					100-101	201 Full C.T. Blue
					102-103	202 Half C.T. Blue
					104-105	353 Lighter Blue
					106-107	778 Millennium Gold
					108-109	Amber
					110-255	NULL
						EFFECT MACRO
7	**7**	**7**	**7**		000-007	NULL
					008-015	EFFECT 1
					016-023	EFFECT 2

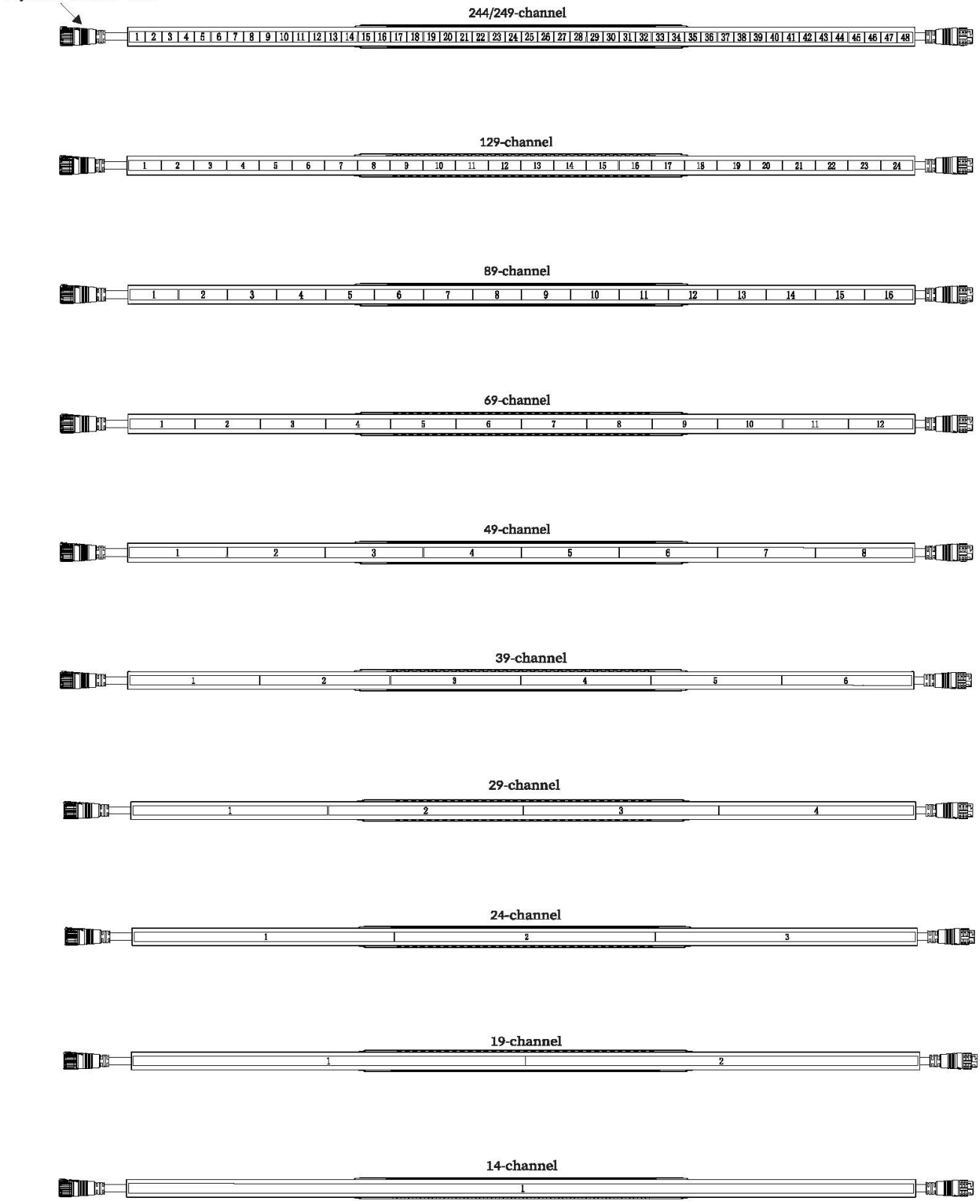
CHANNEL					VALUE	FUNCTION
					024-031	EFFECT 3
					032-039	EFFECT 4
					040-047	EFFECT 5
					048-055	EFFECT 6
					056-063	EFFECT 7
					064-071	EFFECT 8
					072-079	EFFECT 9
					080-087	EFFECT 10
					088-095	EFFECT 11
					096-103	EFFECT 12
					104-111	EFFECT 13
					112-119	EFFECT 14
					120-127	EFFECT 15
					128-135	EFFECT 16
					136-143	EFFECT 17
					144-151	EFFECT 18
					152-159	EFFECT 19
					160-167	EFFECT 20
					168-175	EFFECT 21
					176-183	EFFECT 22
					184-191	EFFECT 23
					192-199	EFFECT 24
					200-207	EFFECT 25
					208-215	EFFECT 26
					216-223	EFFECT 27
					224-231	EFFECT 28
					232-239	EFFECT 29
					240-247	EFFECT 30
					248-255	EFFECT 31
8	**8**	**8**	**8**			**EFFECT MACRO SPEED**
					000	stop
					001-127	Slow to fast without fade
					128-255	Slow to fast With fade
9	**9**	**9**	**9**	**4**		**FUNCTION**
					000-029	No Function
					030-039	Dimmer Curve Linear
					040-049	Dimmer Curve Square Law
					050-059	Dimmer Curve Inv Square Law
					060-069	Dimmer Curve S
					070-079	No Function
					080-089	No Function
					090-099	No Function
					100-109	No Function
					110-119	No Function
					120-159	No Function
					160-161	Invert Pixel Order : Yes
					162-163	Invert Pixel Order : No
					164-209	No Function
					210-219	Dimmer Speed Fast
					220-229	Dimmer Speed Smooth
					230-255	No Function

CHANNEL					VALUE	FUNCTION
10					000-255	**Red** 0%→100%
11					000-255	**Green** 0%→100%
12					000-255	**Blue** 0%→100%
13					000-255	**WW** 0%→100%
14					000-255	**CW** 0%→100%
	10	**10**	**10**	**5**	000-255	**Red 1** 0%→100%
	11	**11**	**11**	**6**	000-255	**Green 1** 0%→100%
	12	**12**	**12**	**7**	000-255	**Blue 1** 0%→100%
	13	**13**	**13**		000-255	**WW 1** 0%→100%
	14	**14**	**14**		000-255	**CW 1** 0%→100%
	15	**15**	**15**	**8**	000-255	**Red 2** 0%→100%
	16	**16**	**16**	**9**	000-255	**Green 2** 0%→100%
	17	**17**	**17**	**10**	000-255	**Blue 2** 0%→100%
	18	**18**	**18**		000-255	**WW 2** 0%→100%
	19	**19**	**19**		000-255	**CW 2** **0**%→100%
		20	**20**	**11**	000-255	**Red 3** 0%→100%
		21	**21**	**12**	000-255	**Green 3** 0%→100%
		22	**22**	**13**	000-255	**Blue 3** 0%→100%
		23	**23**		000-255	**WW 3** 0%→100%
		24	**24**		000-255	**CW 3** **0**%→100%
			25	**14**	000-255	**Red 4** 0%→100%
			26	**15**	000-255	**Green 4** 0%→100%
			27	**16**	000-255	**Blue 4** 0%→100%
			28		000-255	**WW 4** 0%→100%

CHANNEL					VALUE	FUNCTION
			29		000-255	**CW 4** 0%→100%
				17	000-255	**Red 5** 0%→100%
				18	000-255	**Green 5** 0%→100%
				19	000-255	**Blue 5** 0%→100%
				…	…	…
				146	000-255	**Red 48** 0%→100%
				147	000-255	**Green 48** 0%→100%
				148	000-255	**Blue 48** 0%→100%
				149	000-255	**WW 1** 0%→100%
				150	000-255	**WW 2** 0%→100%
				…	…	…
				195	000-255	**WW47** 0%→100%
				196	000-255	**WW 48** 0%→100%
				197	000-255	**CW 1** 0%→100%
				198	000-255	**CW 2** 0%→100%
				…	…	…
				243	000-255	**CW47** 0%→100%
				244	000-255	**CW 48** 0%→100%

LED PIXEL ZONES:

Hybrid cable Out



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.

Led Temp. Error

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

LED Too Hot Off

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

Network Error

Check whether the network cable is correctly inserted and undamaged.
Verify that the fixture's IP address and network settings match the control system configuration.
Check whether the switch or network router is functioning properly and has sufficient available ports.
Verify that the control software's network protocol settings (e.g., Art-Net, sACN) are compatible with the fixture.
If using wireless DMX, check signal stability and receiver status. and has sufficient available ports.
Verify that the control software's network protocol settings (e.g., Art-Net, sACN) are compatible with the fixture.

LED Timeout Use

When the fixture exceed the light source rated lifetime. Please Replace the Light Source.

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.	cables were disconnected.	Inspect hybrid cable.
Fixture operates irregularly / abnormal.	Incorrect DMX address or DMX mode.	Inspect and enter the correct DMX address or mode.
	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/ Cleaning and Maintenance

- To ensure the normal and stable operation of the luminaire, the fixture should be kept clean. Acetone may be used to clean the lens. It is recommended to clean the body, fan, and air intake vents every 15 days. The lens and dichroic filters should also be cleaned regularly to maintain optimal lighting effects. When cleaning the dichroic filters, do not use any solvent-based cleaners to avoid damage to the luminaire.
- When the luminaire is used continuously, it is recommended not to exceed 4 hours per session, otherwise the service life of the luminaire will be significantly shortened. This issue can be addressed by using a rotation/rest method.
- Before performing maintenance or disassembly on the luminaire, always disconnect the power supply and never operate with live electricity. After disconnecting the power, all components of the luminaire must cool down for approximately 10 minutes before disassembly or assembly. If the bulb needs to be replaced, wait an additional 20 minutes or more for the bulb to cool completely to avoid burns.
- The lenses, optics, and other rotating parts of the luminaire must be inspected regularly to ensure they remain clean and stable. If any obvious damage or looseness is found, they must be replaced or reinforced promptly to prevent accidents.
- This luminaire product employs forced-air cooling and tends to accumulate dust. It must be cleaned at least once every two weeks, especially at the air intake and exhaust vents for heat dissipation.
- After performances using color gels, check whether any paper debris is stuck in or has been drawn into the air intake and exhaust vents. Such debris must be removed completely; otherwise, it may damage the fan and cause a fire hazard.

12/ 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.