



CUEPIX 16IP DTW™

user manual

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DOCUMENT VERSION



Due to additional product features and/or enhancements, an updated version of this document may be available online. Please scan the QR Code with your mobile device or visit www.elationlighting.com for the latest revision/update of this manual, before installation and/or programming.

Date	Document Version	Software Version ≥	DMX Channel Modes	Notes
06/18/19	1.0	1.01	7 (64 total channels)	Initial release.
10/03/19	1.2	1.02	9 (64 total channels)	Added additional DTW DMX modes.
09/15/20	1.4	1.03	No Change	Updated primary/secondary

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GENERAL INFORMATION

INTRODUCTION

Please read and understand the instructions in this manual carefully and thoroughly before attempting to operate this device. These instructions contain important safety and use information.

UNPACKING

Every device has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton is damaged, carefully inspect the device for damage, and be sure all accessories necessary to install and operate the device have arrived intact. In the event damage has been found or parts are missing, please contact our customer support team for further instructions. Please do not return this device to your dealer without first contacting customer support. Please do not discard the shipping carton in the trash. Please recycle whenever possible.

BOX CONTENTS

Power Cable

CUSTOMER SUPPORT

Contact **ELATION Service** for any product related service and support needs. Also visit forums.elationlighting.com with questions, comments or suggestions.

ELATION SERVICE USA - Monday - Friday 8:00am to 4:30pm PST
323-582-3322 | Fax 323-832-9142 | support@elationlighting.com

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REPLACEMENT PARTS please visit parts.elationlighting.com

WARRANTY RETURNS (USA ONLY)

To obtain warranty service, a Return Materials Authorization (RMA) number must first be obtained from ELATION. It is the Customer's responsibility to provide product proof of purchase and serial number by acceptable evidence such as an invoice copy and any relevant maintenance records at the time warranty service is sought. Failure to provide acceptable evidence of product proof of purchase or any relevant maintenance records may be cause for denial of warranty service.

Products returned for warranty service must be sent without any accessories (i.e., power, data, and safety cables, brackets, clamps, rigging hardware, frost filters, gel frames, barn doors, lens, hoses, nozzles, rack mounting hardware, etc.), must be boxed using the original and/or suitable packaging materials (double-box and foam) that provides ample product protection for ground and/or air freight transit, and must be shipped freight pre-paid and insured to ELATION in Los Angeles, CA or an ELATION Authorized Service Center. The RMA number must be clearly written on the outside of the return box, and a brief description of the problem and the RMA number must be documented and included in the box.

Products returned for warranty service without an RMA number clearly marked on the outside of the package will be refused and returned to the shipper at the Customer's expense. Products returned for warranty service, which are received damaged due to inadequate and/or improper packaging and/or due to damage caused by shipping carrier, may incur additional repair charges before warranty service begins and/or may void this warranty. If any product accessories (included and/or optional) are shipped with the product, ELATION and/or the ELATION Authorized Service Center shall have no liability what so ever for the loss and/or damage to any such accessories, nor the safe return thereof. If the requested warranty repairs or service (including parts replacement) are within the terms of this warranty, ELATION will pay return ground transportation shipping charges to a single designated point within the United States.

SAFETY GUIDELINES

This device is a sophisticated piece of electronic equipment. To guarantee a smooth operation, it is important to follow all instructions and guidelines in this manual. The manufacturer of this device is not responsible for injury and/or damages resulting from the misuse of this device due to the disregard of the information printed in this manual. Only qualified and/or certified personnel should use this device. Any modifications to the device will void the original manufactures warranty and increase the risk of damage and/or personal injury.



PROTECTION CLASS 1 – FIXTURE MUST BE PROPERLY GROUNDED.



THERE ARE NO USER SERVICEABLE PARTS INSIDE THIS UNIT.

DO NOT ATTEMPT ANY REPAIRS YOURSELF; DOING SO WILL VOID YOUR MANUFACTURERS WARRANTY. DAMAGES RESULTING FROM MODIFICATIONS TO THIS FIXTURE AND/OR THE DISRETGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURER’S WARRANTY AND ARE NOT SUBJECT TO ANY WARRANTY CLAIMS AND/OR REPAIRS.



DO NOT PLUG DEVICE INTO A DIMMER PACK!

NEVER OPEN THIS FIXTURE WHILE IN USE!

UNPLUG POWER BEFORE SERVICING FIXTURE!

NEVER TOUCH FIXTURE DURING OPERATION, AS IT MAY BE HOT!

KEEP FLAMMABLE MATERIALS AWAY FROM THE FIXTURE!



ENSURE ALL CONNECTIONS AND ENDCAPS ARE PROPERLY SEALED WITH DIALECTRIC GREASE (AVAILABLE AT MOST ELECTRICAL SUPPLIERS) TO PREVENT WATER CORROSION AND/OR ELECTRICAL SHORT CIRCUIT.



NEVER LOOK DIRECTLY INTO THE LIGHT SOURCE!

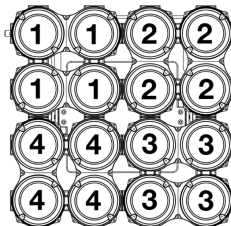
RETINA INJURY RISK – MAY INDUCE BLINDNESS!

SENSITIVE PERSONS MAY SUFFER AN EPILEPTIC SHOCK!

H I G H T E M P E R A T U R E W A R N I N G ! !



IF THE INTERNAL TEMPERATURE REACHES 212° F (100°C) AND/OR A SIGNAL WIRE/SENSOR IN ONE OF THE 4-CELL LED SEQMENTS BECOMES DAMAGED OR DISCONNECTED, THE FIXTURE OLED DISPLAY WILL FLASH “TEMP ERROR” AND THE POWER CONSUMPTION TO ANY OF THE AFFECTED LED SEQMENTS (1-4) WILL DROP TO 100W OR BE TURNED OFF.



S A F E T Y G U I D E L I N E S

DO NOT TOUCH the fixture housing during operation. Turn OFF the power and allow approximately 15 minutes for the fixture to cool down before serving.

DO NOT shake fixture, avoid brute force when installing and/or operating fixture.

DO NOT operate fixture if the power cord is frayed, crimped, damaged and/or if any of the power cord connectors are damaged and do not insert into the fixture securely with ease.

NEVER force a power cord connector into the fixture. If the power cord or any of its connectors are damaged, replace it immediately with a new one of similar power rating.

DO NOT block any air ventilation slots.

All fan and air inlets must remain clean and never blocked.

Allow approx. 6" (15cm) between fixture and other devices or a wall for proper cooling.

Always disconnect fixture from main power source before performing any type of service and/or cleaning procedure. Only handle the power cord by the plug end, never pull out the plug by tugging the wire portion of the cord.

During the initial operation of this fixture, a light smoke or smell may emit from the interior of the fixture. This is a normal process and is caused by excess paint in the interior of the casing burning off from the heat associated with the lamp and will decrease gradually over time.

Consistent operational breaks will ensure fixture will function properly for many years.

ONLY use the original packaging and materials to transport the fixture in for service.

MAINTENANCE GUIDELINES



DISCONNECT POWER BEFORE PERFORMING ANY MAINTENANCE!

CLEANING

Frequent cleaning is recommended to insure proper function, optimized light output, and an extended life. The frequency of cleaning depends on the environment in which the fixture operates: damp, smoky or particularly dirty environments can cause greater accumulation of dirt on the fixture's optics. Clean the external lens surface at least every 20 days with a soft cloth to avoid dirt/debris accumulation.

NEVER use alcohol, solvents, or ammonia-based cleaners.

MAINTENANCE

Regular inspections are recommended to insure proper function and extended life. There are no user serviceable parts inside this fixture, please refer all other service issues to an authorized Elation service technician. Should you need any spare parts, please order genuine parts from an authorized Elation dealer.

Please refer to the following points during routine inspections:

A detailed electric check by an approved electrical engineer every three months, to make sure the circuit contacts are in good condition and prevent overheating.

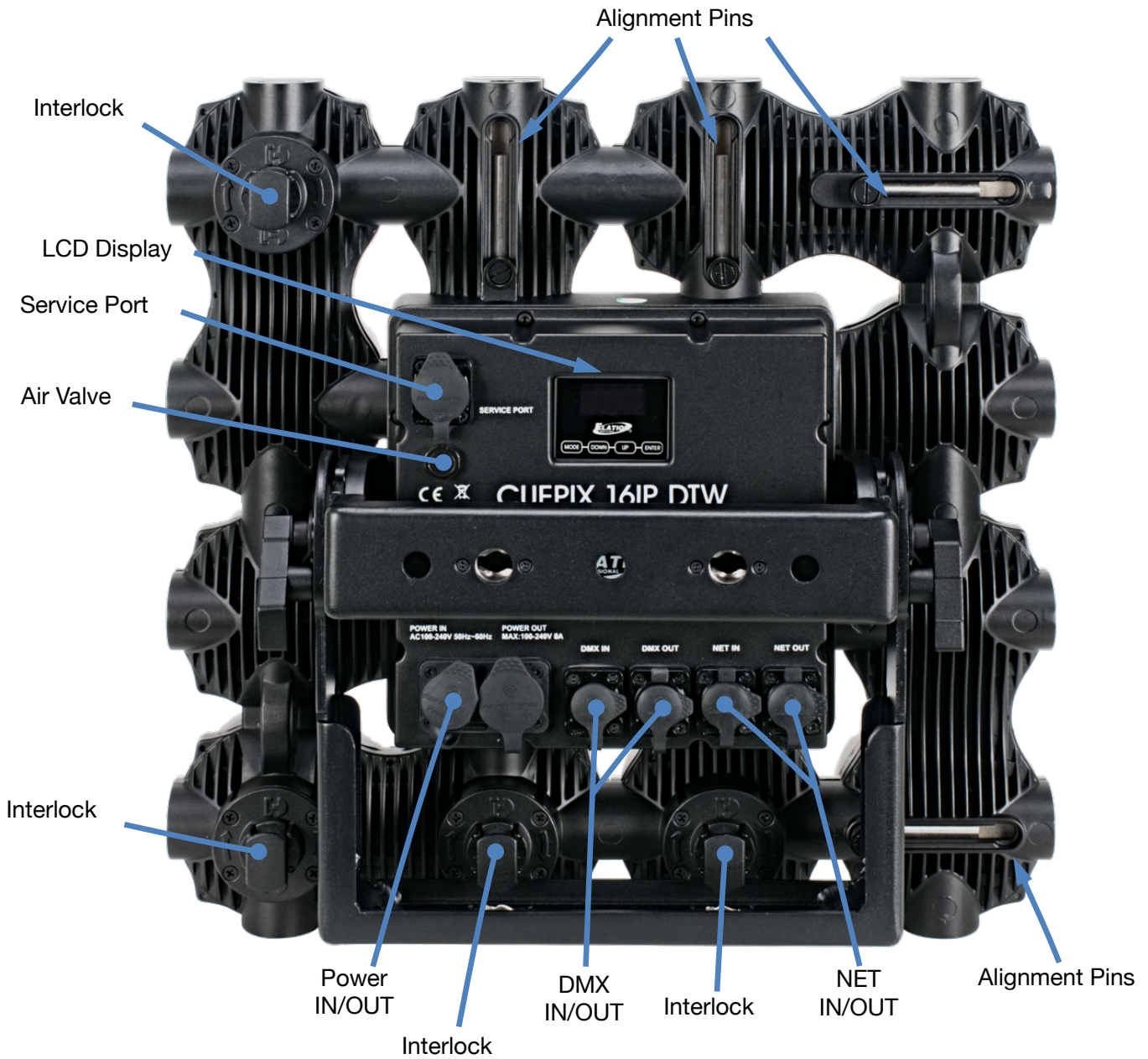
Be sure all screws and fasteners are securely tightened at all times. Loose screws may fall out during normal operation resulting in damage or injury as larger parts could fall.

Check for any deformations on the housing, color lenses, rigging hardware and rigging points (ceiling, suspension, trussing). Deformations in the housing could allow for dust to enter into the fixture. Damaged rigging points or unsecured rigging could cause the fixture to fall and seriously injure a person(s).

Electric power supply cables must not show any damage, material fatigue or sediments.

NEVER remove the ground prong from the power cable.

FIXTURE OVERVIEW



INSTALLATION INSTRUCTIONS

IP65 RATED

An IP rated lighting fixture is one, which is commonly installed in outdoor environments and has been designed with an enclosure that effectively protects the ingress (entry) of external foreign objects such as dust and water. The **International Protections (IP)** rating system is commonly expressed as “**IP**” (Ingress Protection) followed by two numbers (i.e. IP65), where the numbers define the degree of protection. The first digit (Foreign Bodies Protection) indicates the extent of protection against particles entering the fixture, and the second digit (Water Protection) indicates the extent of protection against water entering the fixture. An IP65 rated lighting fixture has been designed and tested to protect against the ingress of dust (6) and low-pressure water jets from any direction (5).

MARINE/COASTAL ENVIRONMENT INSTALLATIONS

Please note that although this fixture is IP rated, the fixture is **NOT** suitable for marine and/or coastal installations. Installing this fixture in a marine and/or coastal environment may cause corrosion and/or excessive wear to the interior and/or exterior components of the fixture. Damages and/or performance issues resulting from installation in a marine and/or coastal environment will void the manufacturer’s warranty and will **NOT** be subject to any warranty claims and/or repairs.

OPTIONAL CORROSION-RESISTANT COATING

Optional Corrosion-Resistant Coatings may be available for this fixture.

Please contact **Elation Professional** for more details.



DISCONNECT POWER BEFORE PERFORMING ANY MAINTENANCE!

Keep fixture a minimum of 5.0 feet (1.5m) from flammable materials and/or pyrotechnics.



ELECTRICAL CONNECTIONS

A qualified electrician should be used for all electrical connections and/or installations.



ENSURE ALL CONNECTIONS AND END CAPS ARE PROPERLY SEALED WITH A NON-CONDUCTIVE DIELECTRIC GREASE (AVAILABLE AT MOST ELECTRICAL SUPPLIERS) TO PREVENT WATER INGRESS/CONDENSATION AND/OR CORROSION.



USE CAUTION WHEN POWER LINKING OTHER MODEL FIXTURES AS THE POWER CONSUMPTION OF OTHER MODEL FIXTURES MAY EXCEED THE MAXIMUM POWER OUTPUT OF THIS FIXTURE. CHECK SILK SCREEN FOR MAXIMUM AMPS.

INSTALLATION INSTRUCTIONS



DO NOT INSTALL THE FIXTURE IF YOU ARE NOT QUALIFIED TO DO SO!

Fixture **MUST** be installed following all local, national, and country commercial electrical and construction codes and regulations.

Before rigging/mounting a single fixture or multiple interconnected fixtures for custom matrix designs to any metal truss/structure or placing the fixture(s) on any surface, a professional equipment installer **MUST** be consulted to determine if the metal truss/structure or surface is properly certified to safely hold the combined weight of the fixture(s), clamps, cables, and accessories.

Fixture ambient operating temperature range is **14° to 113°F (-10° to 45°C)**.

Do not use the fixture under or above this temperature.

Fixture(s) should be installed in areas outside walking paths, seating areas, or away from areas where unauthorized personnel might reach the fixture by hand.

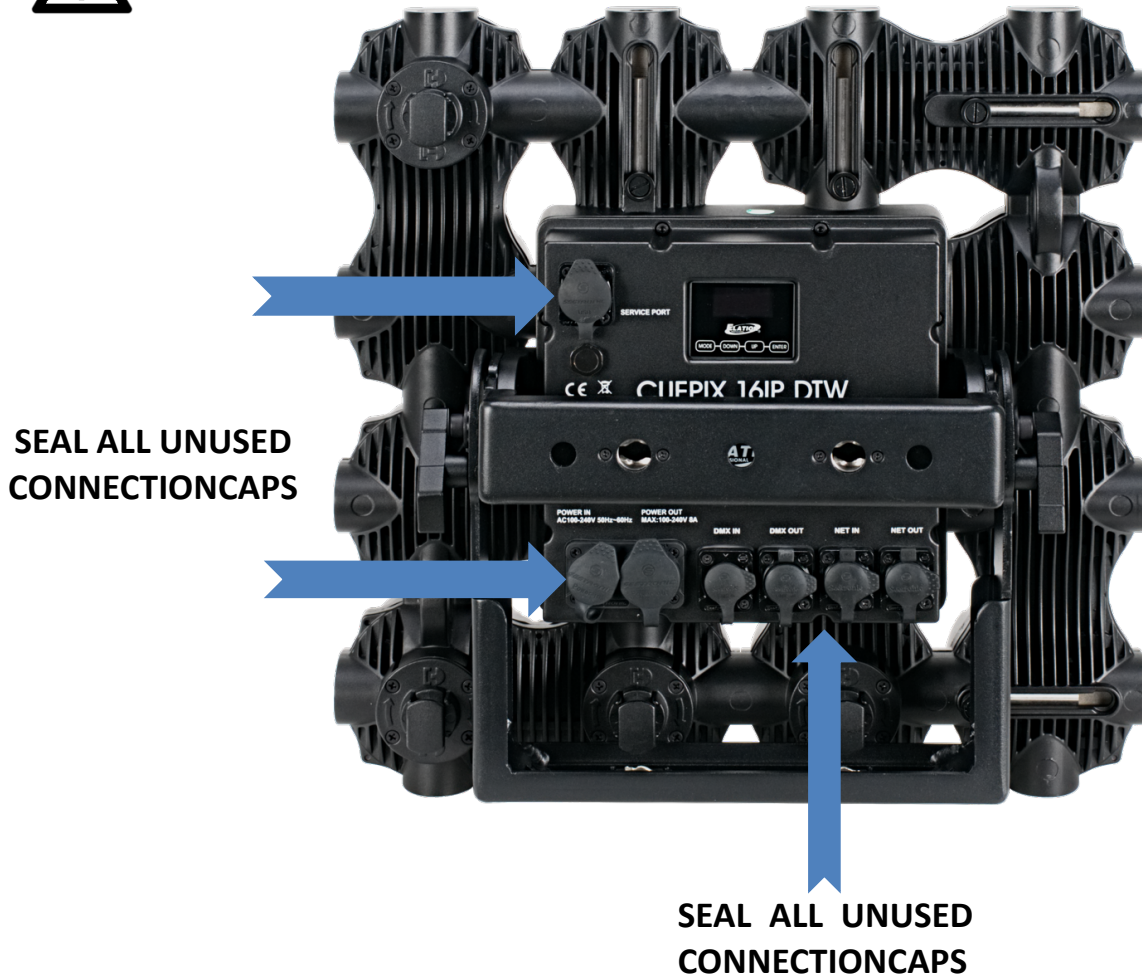
NEVER stand directly below the fixture(s) when rigging, removing, or servicing.

Overhead fixture installation must always be secured with a secondary safety attachment, such as an appropriately rated safety cable that can hold 10 times the weight of the fixture.

Allow approximately 15 minutes for the fixture to cool before servicing.



TO MAINTAIN IP65 RATING INTEGRITY, AND PREVENT WATER FROM ENTERING FIXTURE, ALL UNUSED CONNECTION RUPPER CAPS MUST BE SEALED.



INSTALLATION INSTRUCTIONS

CLAMP MOUNTING

A 90-degree adjustable yoke bracket are attached to the fixture, both include 3-position holes for versatile fixture positioning. Optional Omega Brackets are available, which can be attached to yoke brackets for easy clamp-rigging. See the Optional Accessories at the end of this manual for the order code. When mounting this fixture to truss or a metal structure, be sure to secure an appropriately rated clamp (not included) to one of the yoke brackets using an M10 screw. Depending on rigging position of the fixture, it may be best to use more than one clamp attached to the yoke.



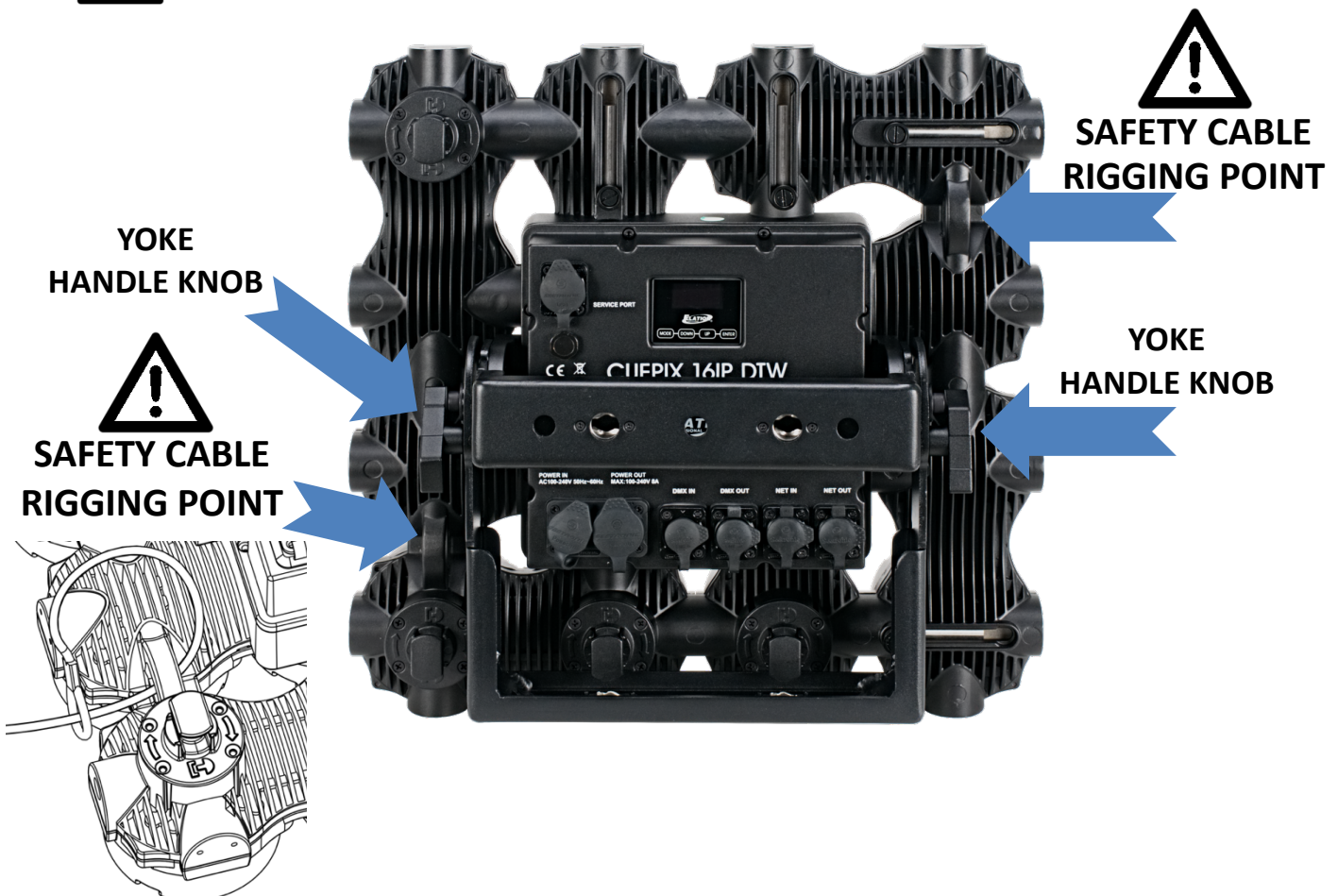
WHEN USING THE 90-DEGREE ADJUSTABLE YOKE TO MOUNT THE FIXTURE, MAKE SURE BOTH YOKE HANDLE KNOBS ARE SECURELY TIGHTENED CLOCKWISE.

SAFETY CABLE

The fixture includes 2 integrated safety cable rigging points. (See image below.)



ALWAYS ATTACH A SAFETY CABLE WHENEVER INSTALLING THIS FIXTURE IN A SUSPENDED ENVIRONMENT TO ENSURE THE FIXTURE WILL NOT DROP IF THE CLAMP FAILS.



INSTALLATION INSTRUCTIONS

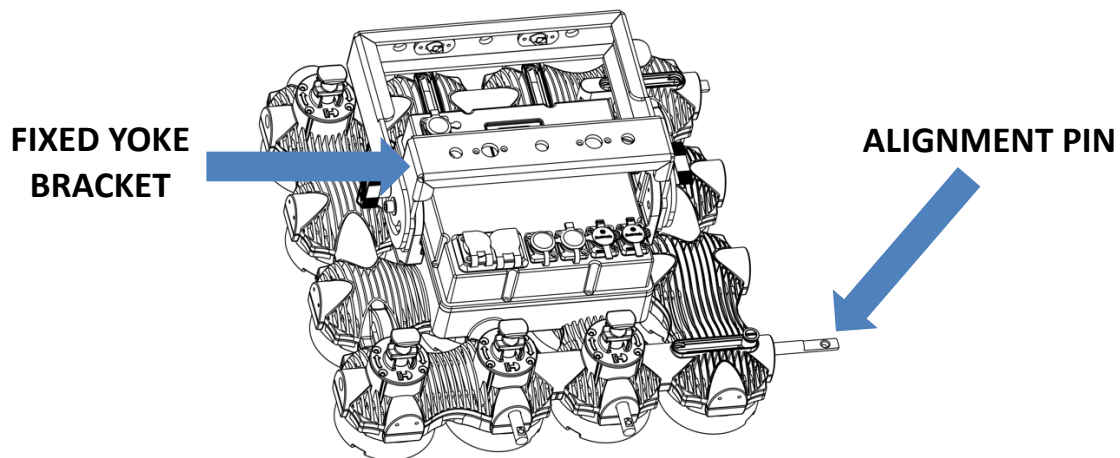
INTERLOCKING PANELS

The fixture includes integrated alignment pins and interlocks, which are used to connect multiple panels horizontally and vertically to create seamless custom matrix designs. See images below for interlocking steps.

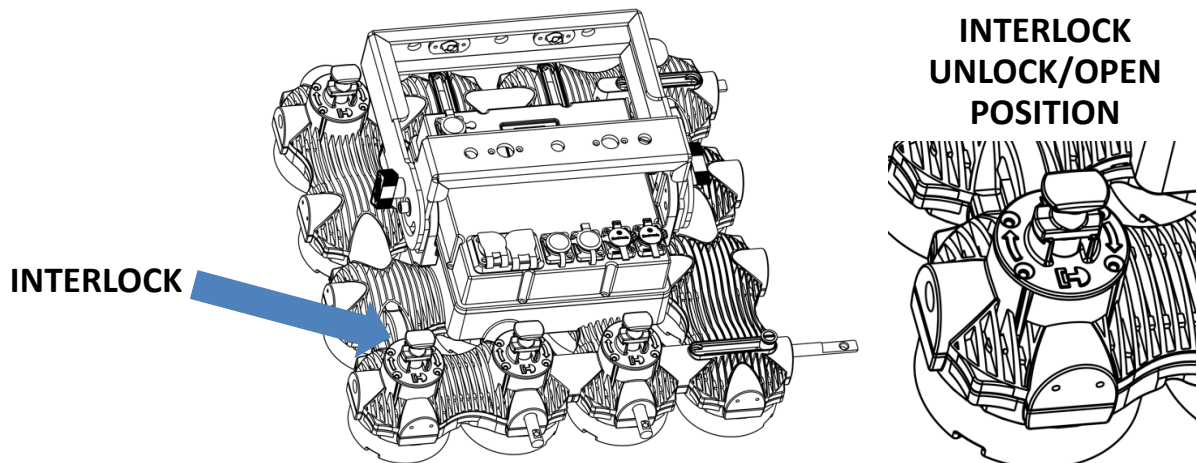


**THE PINS AND INTERLOCKS ARE FOR ALIGNMENT PURPOSES ONLY!
EACH PANEL MUST BE SECURED WITH ITS OWN CLAMP(S) AND SAFETY CABLE!
FOR MULTIPLE PANEL RIGGING, USE ONLY THE FIXED YOKE BRACKET!**

1. Push out alignment pins on panel by pulling up and holding round knob while sliding out. Release round knob to lock alignment pin into fully extended position. **MAKE SURE EACH ALIGNMENT PIN IS FULLY EXTENDED, AND THE ROUND TAB IS IN THE LOCKED POSITION!**



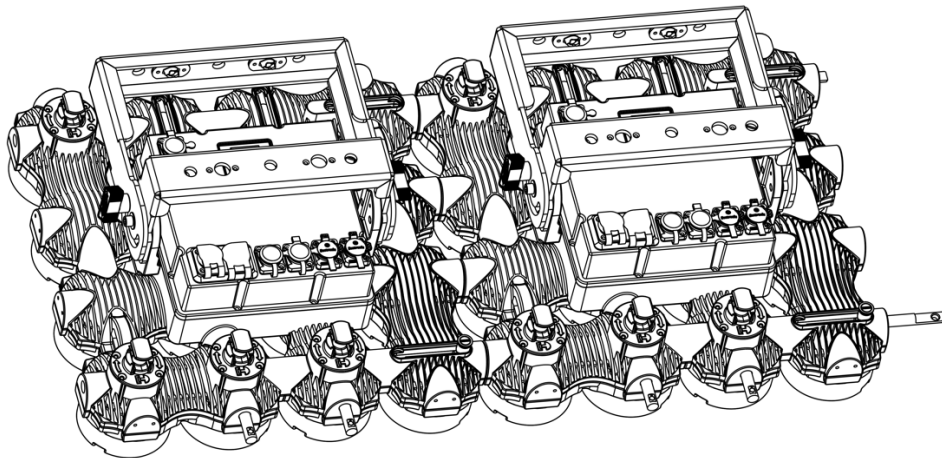
2. UNLOCK/OPEN interlocks on panel by pulling up and holding lock while turning 45 degrees to 9/3 o'clock position. Release lock so it sits completely into position. **MAKE SURE EACH INTERLOCK IS COMPLETELY IN THE 9/3 O'CLOCK UNLOCK/OPEN POSITION!**



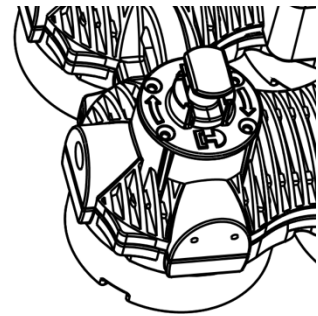
INSTALLATION INSTRUCTIONS

INTERLOCKING PANELS

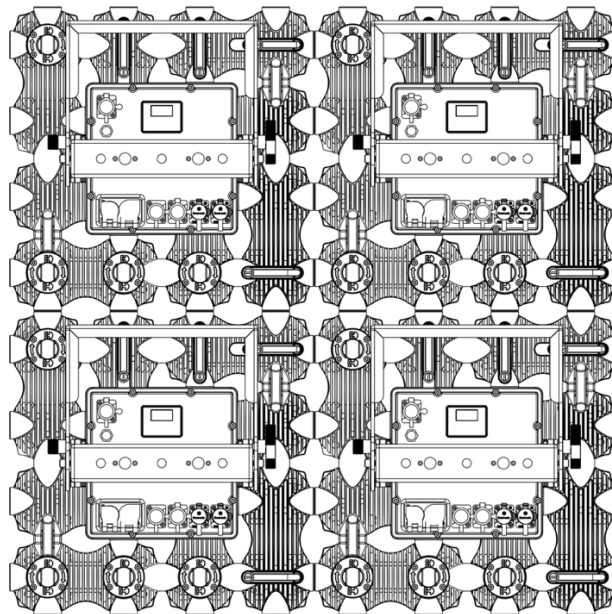
3. Push panels together (horizontally and/or vertically) by inserting alignment pins of one panel into the marrying interlocks of another panel. Once alignment pins are fully inserted, LOCK/CLOSE interlocks on panels by pulling up and holding lock while turning 45 degrees to 12/6 o'clock position. **MAKE SURE EACH INTERLOCK IS COMPLETELY IN THE 12/6 O'CLOCK LOCK/CLOSE POSITION AND EACH ALIGNMENT PIN AROUND TAB IS IN THE LOCKED POSITION!**



**INTERLOCK
LOCK/CLOSE
POSITION**



4. Repeat steps 1-3 for as needed for each horizontally/vertically connected panel.



OVERHEAD RIGGING

Overhead rigging requires extensive experience, including amongst others calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the fixture. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury and property damage.

INSTALLATION INSTRUCTIONS

POWER LINKING



USE CAUTION WHEN POWER LINKING OTHER MODEL FIXTURES AS THE POWER CONSUMPTION OF OTHER MODEL FIXTURES MAY EXCEED THE MAXIMUM POWER OUTPUT ON THIS FIXTURE. CHECK SILK SCREEN FOR MAXIMUM AMPS.

ART-NET CONNECTION

When connecting fixture to a network switch to control multiple devices, a Gigabit Ethernet Switch that supports IGMP (Internet Group Management Protocol) is required. Using a Gigabit Ethernet Switch that does not support IGMP can cause erratic behavior of all connected devices to the switch. Click link below for more information about IGMP.

https://en.wikipedia.org/wiki/Internet_Group_Management_Protocol

SYSTEM MENU

The fixture includes an easy to navigate system menu where fixture settings can be adjusted via the LCD control panel located on the back of the fixture. (See image below.) During normal operation, pressing the **MODE** button once will access the main menu. Navigate through the various sub-menus by pressing the **UP** and **DOWN** buttons, press the **ENTER** button to select a specific sub-menu, press the **UP** and **DOWN** buttons to adjust the selected sub-menu settings, and press the **ENTER** button again to confirm the sub-menu setting selection. Exit the main system menu at any time with making any adjustments by pressing the **MODE** button.

To access the system menu, press and hold the **MODE** button for 10 seconds. The LCD Menu Control Display will shut **OFF** automatically about 1 minute from the last button press.



ELATION CUEPIX 16IP DTW - SYSTEM MENU

Supports Software Versions: ≥ 1.01

Features are subject to change without any prior written notice.

MENU	SUB MENU	OPTIONS / VALUES (Default Settings in BOLD)		DESCRIPTION	
Address	Address	001 ~ 512		DMX Address Setting	
UserMode		01CH (Dim), 02CH (G+W All), 07CH (Basic), 32CH (Cells8b), 64CH (Cells16b), 13CH (Ext4Cell), 37CH (ExtAll)		Set DMX Channel (User Mode)	
Function	Status	No Dmx	Black / Hold	Function If NO DMX Detected	
	LCD.Set	Display	ON / OFF		LCD Backlight Shut Off Time
		Key Lock	ON / OFF		Control Front Panel Buttons Key Lock
		Flash	ON / OFF		Display flashes when NO DMX
		Invert	ON / OFF		Flips Display 180 Degrees
	Temp. C/F	F / C		Temperature Switch Between F° / C°	
	DimMode	0.0, 0.1 , 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0, 1.5 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10.0, Standard, Stage, TV, Architec, Theatre, Stage2		Set Dim Mode	
	DTW	ON / OFF		Enable Dim to White	
	Disp. Set	ADDR , Disp.CH, Secondary		Select Default Display	
	Flip	Standard , Inverted, Rotated, Snake, Snake In, Snake R		Set Pixel Flip Mode (See page 19 for more info)	
	DimCurve	Linear , Square, InSquare, S-Curve		Set Dimmer Curve Mode	
	Frequenc	900Hz, 1000Hz, 1100Hz, 1200Hz , 1300Hz, 1400Hz, 1500Hz, 2500Hz, 4000Hz, 5000Hz, 10kHz, 15kHz, 20kHz, 25kHz		Set LED Refresh Frequency	
	PROTOCOL	ArtNet , sACN		Select Network Protocol	
	NET_SWIT	ON / OFF		Enable Network Protocol Auto-Detection	
	FIX_ID	Password	050		Enter Password to Access Fixture ID Menu
		Universe	000 -255		Enter Device Universe
		DevicelP	XXX.XXX.XXX.XXX		Enter Device IP Address
MaskAddr		XXX.XXX.XXX.XXX		Enter Submask Address	
DFSE	ON / OFF		Restore Factory Settings		
USB	ON / OFF		Enable Service Port for Software Updates		
Info	TimeInfo	Current	XXXX (Hours)	Fixture Run Time From Power ON	
		Total	XXXX (Hours)	Fixture Total Run Time	
		Last	XXXX (Hours)	Clear Fixture Last Run Time	
		Password	050	Clear Fixture Last Run Time	
		Clear	ON / OFF	Enter Password to Access Clear Last. Menu	
	TemplInfo	LED Temp	XXX F° / C°	Temperature in Fixture Head	
		SPS Temp	XXX F° / C°	Temperature in Fixture Head	
	Err.Info	Error Record 1 ~ Error Record 10		Display 10 Recent Error Messages	
	Modellnf	Cuepix 16 IP		Display Model Name	
	SoftWare	V101		Software Versions	

ELATION CUEPIX 16IP DTW - S Y S T E M M E N U

Supports Software Versions: ≥ 1.01

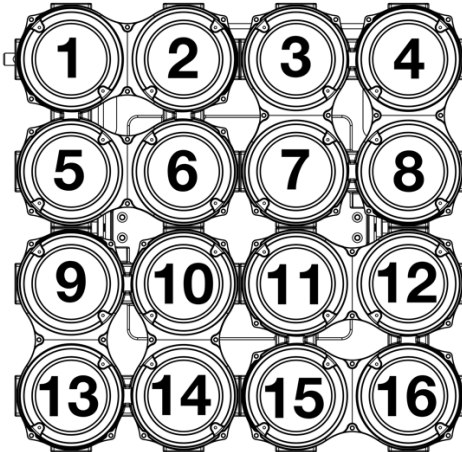
Features are subject to change without any prior written notice.

MENU	SUB MENU	OPTIONS / VALUES (Default Settings in BOLD)	DESCRIPTION	
Test	Manual	Strobe	000 - 255	Set Strobe DMX Value
		Dimmer	000 - 255	Set Master Dimmer DMX Value
		DimFine	000 - 255	Set Dimmer Fine DMX Value
		DimMode	000 - 255	Select Dimmer Curve Mode
		WW1	000 - 255	Set Dimmer Values of each LED of each Pixel
		A1	000 - 255	
		WW2	000 - 255	
		A2	000 - 255	
		WW3	000 - 255	
		A3	000 - 255	
		WW4	000 - 255	
		A4	000 - 255	
		WW5	000 - 255	
		A5	000 - 255	
		WW6	000 - 255	
		A6	000 - 255	
		WW7	000 - 255	
		A7	000 - 255	
		WW8	000 - 255	
		A8	000 - 255	
		WW9	000 - 255	
		A9	000 - 255	
		WW10	000 - 255	
		A10	000 - 255	
		WW11	000 - 255	
		A11	000 - 255	
		WW12	000 - 255	
		A12	000 - 255	
		WW13	000 - 255	
		A13	000 - 255	
		WW14	000 - 255	
		A14	000 - 255	
	WW15	000 - 255		
A15	000 - 255			
WW16	000 - 255			
A16	000 - 255			
	Calibrat	Password WW1, A1, WW2, A2... WW16, A16	050	Enter Password to Access Calibration Menu NOTE: ONLY QUALIFIED TECHNICIANS SHOULD PERFORM THIS FUNCTION!

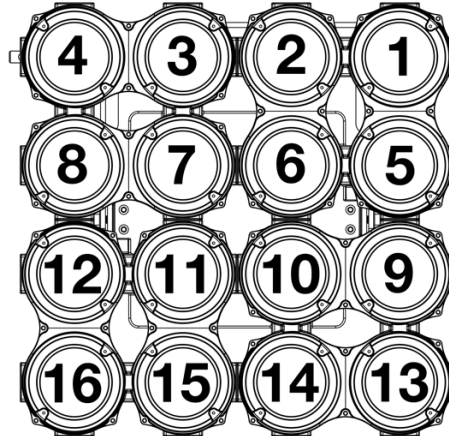
PIXEL CONTROL - Basic DMX Mode

There are 6-pixel control modes which can be selected from the **FLIP** sub-menu in the **FUNCTION** main system menu or selected from **DMX Channel 5** in **Basic DMX Mode**. Each **FLIP** mode has a unique starting pixel location and sequence path (1 to 16). Use this feature to make unique eye candy designs and/or configure pixels of all panels to be the same regardless of the installation orientation. See diagrams below for each **FLIP** mode.

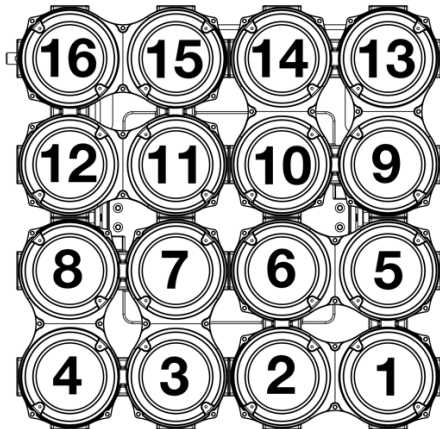
STANDARD



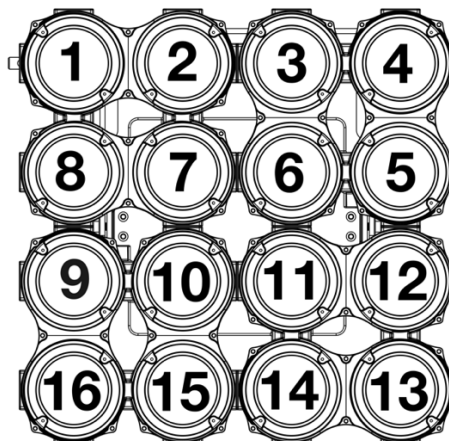
INVERTED



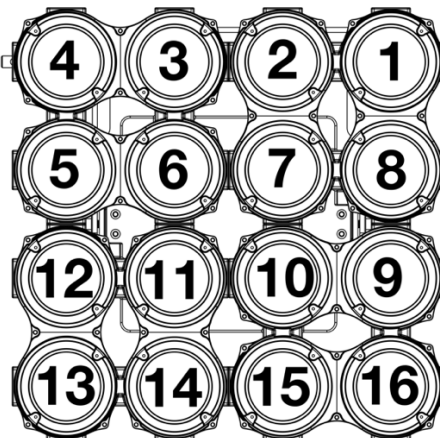
ROTATED



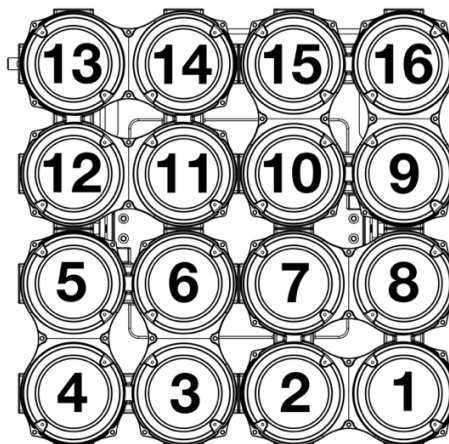
SNAKE



SNAKE INVERTED



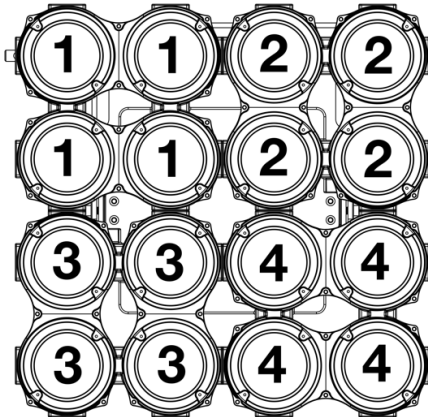
SNAKE ROTATED



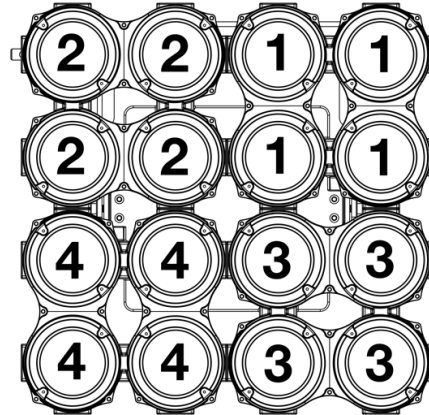
PIXEL CONTROL - Ext4Cell DMX Mode

There are 6 4-Cell pixel control modes which can be selected from the **FLIP** sub-menu in the **FUNCTION main system menu** or selected from **DMX Channel 5 in Ext4Cell DMX Mode**. Each **FLIP** mode has unique 4-cell pixel group starting location and sequence (1 to 4). Use this feature to make unique eye candy designs and/or configure pixels of all panels to be the same regardless of the installation orientation. See diagrams below for each **FLIP** mode.

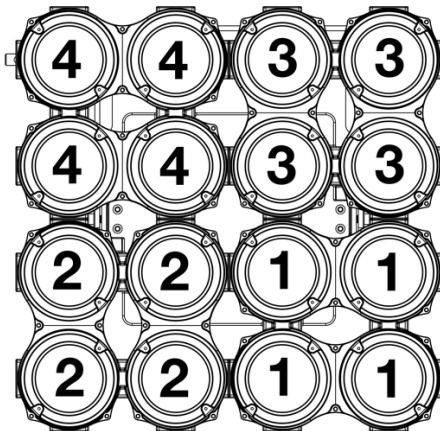
STANDARD 4 CELL



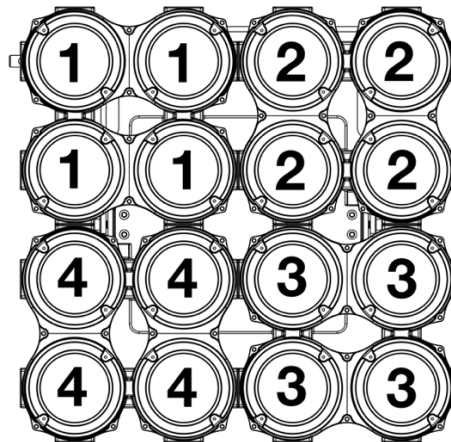
INVERTED 4 CELL



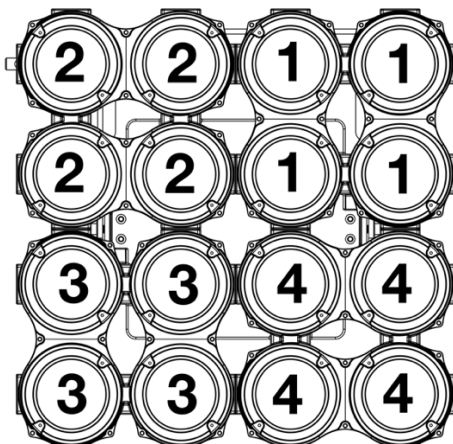
ROTATED 4 CELL



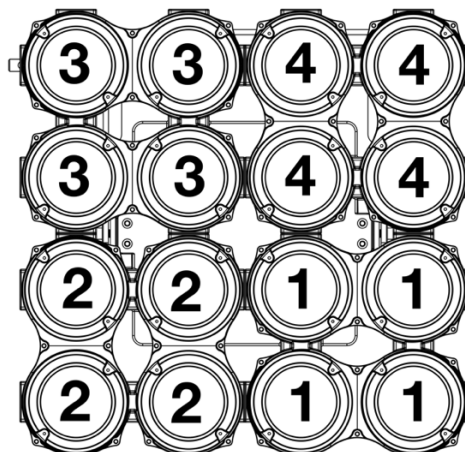
SNAKE 4 CELL



SNAKE INVERTED 4 CELL



SNAKE ROTATED 4 CELL



DMX CHANNEL FUNCTIONS AND VALUES

DMX Channel Values / Functions (64 DMX Channels)

Supports Software Versions: ≥ 1.01

Features subject to change without any prior written notice.

*Pixel control of effects depends on Flip system menu settings and/or Cell Order DMX values.

NOTE: For all modes without Dim Mode and Control channels, use these system menu values: Dimmer Delay Time = 0.1s | Dimmer Curve = Linear

MODE / CHANNEL							Cell#	Default	VALUE	FUNCTION
1Ch	2Ch	Basic	Cells 8bit	Cells 16bit	Extended 4 Cell	Extended All				
		1			1	1		50		STROBE
									0-31	Closed
									32-63	Open
									64-95	Strobe (Slow → Fast)
									96-127	Open
									128-159	Pulse (Slow → Fast)
									160-191	Open
									192-223	Random (Slow → Fast)
									224-255	Open
1		2			2	2		0		MASTER INTENSITY
									0-255	Close → Open
		3			3	3		0		MASTER INTENSITY FINE
									0-255	Close → Open
										DIM MODES
									0-20	Standard
									21-40	Stage
									41-60	TV
									61-80	Architectural
									81-100	Theater
									101-120	Stage 2
										DIMMER DELAY TIME
									121	0s
									122	0.1s (default)
									123	0.2s
									124	0.3s
									125	0.4s
									126	0.5s
									127	0.6s
									128	0.7s
									129	0.8s
									130	0.9s
									131	1.0s
									132	1.5s
									133	2.0s
									134	3.0s
									135	4.0s
									136	5.0s
									137	6.0s
									138	7.0s
									139	8.0s
									140	9.0s
									141	10s
									142-255	Default
		4			4	4		0		

MODE / CHANNEL							Cell#	Default	VALUE	FUNCTION
1Ch	2Ch	Basic	Cells 8bit	Cells 16bit	Extended 4 Cell	Extended All				
										CONTROL
									0-10	Idle
										CHANGE CELL ORDER (hold 3s)
									11-15	Standard
									16-20	Inverted
									21-25	Rotated
									26-30	Snake
									31-35	Snake Inverted
									36-40	Snake Rotated
									41-100	Idle
										CHANGE REFRESH RATE (Hz) (instant)
									101-105	900
									106-110	1000
									111-115	1100
									116-120	1200 (default)
									131-125	1300
									126-130	1400
									131-135	1500
									136-140	2500
									141-145	4000
									146-150	5000
									151-160	10000
									161-165	15000
									166-170	20000
									171-175	25000
									175-200	Idle
										DIMMER CURVES(hold 3s)
									201-210	Linear (default)
									211-220	Square
									221-230	Square
									231-240	S-Curve
										DTW MODE
									241-245	Dim to Warm Enabled (default)
									246-250	Dim to Warm Disabled
									251-255	Idle
										WHITE
							ALL	255	0-255	Close → Open
										AMBER
							ALL	255	0-255	Close → Open
	1	6								
	2	7								

MODE / CHANNEL							Cell#	Default	VALUE	FUNCTION
1Ch	2Ch	Basic	Cells 8bit	Cells 16bit	Extended 4 Cell	Extended All				
			1	1	6	6	1	255	0-255	WHITE 0 → 100%
				2				255	0-255	WHITE FINE 0 → 100%
			2	3	7	7		255	0-255	AMBER 0 → 100%
				4				255	0-255	AMBER FINE 0 → 100%
			3	5	8	8	2	255	0-255	WHITE 0 → 100%
				6				255	0-255	WHITE FINE 0 → 100%
			4	7	9	9		255	0-255	AMBER 0 → 100%
				8				255	0-255	AMBER FINE 0 → 100%
			5	9	10	10	3	255	0-255	WHITE 0 → 100%
				10				255	0-255	WHITE FINE 0 → 100%
			6	11	11	11		255	0-255	AMBER 0 → 100%
				12				255	0-255	AMBER FINE 0 → 100%
			7	13	12	12	4	255	0-255	WHITE 0 → 100%
				14				255	0-255	WHITE FINE 0 → 100%
			8	15	13	13		255	0-255	AMBER 0 → 100%
				16				255	0-255	AMBER FINE 0 → 100%

MODE / CHANNEL							Cell#	Default	VALUE	FUNCTION	
1Ch	2Ch	Basic	Cells 8bit	Cells 16bit	Extended 4 Cell	Extended All					
			9	17		14	5	255		WHITE	
				18					0-255	0 → 100%	
			10	19		15			255		WHITE FINE
				20					0-255	0 → 100%	
			11	21		16	6	255		AMBER	
				22					0-255	0 → 100%	
			12	23		17			255		AMBER FINE
				24					0-255	0 → 100%	
			13	25		18	7	255		WHITE	
				26					0-255	0 → 100%	
			14	27		19			255		WHITE FINE
				28					0-255	0 → 100%	
			15	29		20	8	255		AMBER	
				30					0-255	0 → 100%	
			16	31		21			255		AMBER FINE
				32					0-255	0 → 100%	

MODE / CHANNEL							Cell#	Default	VALUE	FUNCTION	
1Ch	2Ch	Basic	Cells 8bit	Cells 16bit	Extended 4 Cell	Extended All					
			17	33		22	9	255		WHITE	
				34				255	0-255	0 → 100%	WHITE FINE
			18	35		23		255	0-255	0 → 100%	AMBER
				36				255	0-255	0 → 100%	AMBER FINE
			19	37		24	10	255		WHITE	
				38				255	0-255	0 → 100%	WHITE FINE
			20	39		25		255	0-255	0 → 100%	AMBER
				40				255	0-255	0 → 100%	AMBER FINE
			21	41		26	11	255		WHITE	
				42				255	0-255	0 → 100%	WHITE FINE
			22	43		27		255	0-255	0 → 100%	AMBER
				44				255	0-255	0 → 100%	AMBER FINE
			23	45		28	12	255		WHITE	
				46				255	0-255	0 → 100%	WHITE FINE
			24	47		29		255	0-255	0 → 100%	AMBER
				48				255	0-255	0 → 100%	AMBER FINE

MODE / CHANNEL							Cell#	Default	VALUE	FUNCTION	
1Ch	2Ch	Basic	Cells 8bit	Cells 16bit	Extended 4 Cell	Extended All					
			25	49		30	13	255		WHITE	
				50					0-255	0 → 100%	
			26	51		31			255		WHITE FINE
				52					0-255	0 → 100%	
			27	53		32	14	255		AMBER	
				54					0-255	0 → 100%	
			28	55		33			255		AMBER FINE
				56					0-255	0 → 100%	
			29	57		34	15	255		WHITE	
				58					0-255	0 → 100%	
			30	59		35			255		WHITE FINE
				60					0-255	0 → 100%	
			31	61		36	16	255		AMBER	
				62					0-255	0 → 100%	
			32	63		37			255		AMBER FINE
				64					0-255	0 → 100%	

DMX Channel Values / Functions (64 DMX Channels)

***** SOFTWARE UPDATE REQUIRED *****

Supports Software Versions: ≥ 1.xx

Features subject to change without any prior written notice.

*Pixel control of effects depends on Flip system menu settings and/or Cell Order DMX values.

NOTE: For all modes without Dim Mode and Control channels, use these system menu values: Dimmer Delay Time = 0.1s | Dimmer Curve = Linear

MODE / CHANNEL									Cell#	Default	VALUE	FUNCTION
1Ch DTW	2Ch Amber/White	Basic DTW Option	Cells 8bit Amber/White	Cells 8bit DTW	Cells 16bit	Cells 16bit DTW	Ext 4 Cell DTW Option	Ext All DTW Option				
		1					1	1	50		STROBE	
										0-31	Closed	
										32-63	Open	
										64-95	Strobe (Slow → Fast)	
										96-127	Open	
										128-159	Pulse (Slow → Fast)	
										160-191	Open	
										192-223	Random (Slow → Fast)	
										224-255	Open	
1		2					2	2	0		MASTER INTENSITY	
										0-255	Close → Open	
		3					3	3	0		MASTER INTENSITY FINE	
										0-255	Close → Open	
		4					4	4	0		DIM MODES	
										0-20	Standard	
										21-40	Stage	
										41-60	TV	
										61-80	Architectural	
										81-100	Theater	
										101-120	Stage 2	
											DIMMER DELAY TIME	
										121	0s	
										122	0.1s (default)	
										123	0.2s	
										124	0.3s	
										125	0.4s	
										126	0.5s	
										127	0.6s	
										128	0.7s	
										129	0.8s	
										130	0.9s	
										131	1.0s	
										132	1.5s	
										133	2.0s	
										134	3.0s	
										135	4.0s	
										136	5.0s	
										137	6.0s	
										138	7.0s	
										139	8.0s	
										140	9.0s	
										141	10s	
										142-255	Default	

MODE / CHANNEL									Cell#	Default	VALUE	FUNCTION
1Ch DTW	2Ch Amber/White	Basic DTW Option	Cells 8bit Amber/White	Cells 8bit DTW	Cells 16bit	Cells 16bit DTW	Ext 4 Cell DTW Option	Ext All DTW Option				
												CONTROL
											0-10	Idle
												CHANGE CELL ORDER (hold 3s)
											11-15	Standard
											16-20	Inverted
											21-25	Rotated
											26-30	Snake
											31-35	Snake Inverted
											36-40	Snake Rotated
											41-100	Idle
												CHANGE REFRESH RATE (Hz) (instant)
											101-105	900
											106-110	1000
											111-115	1100
											116-120	1200 (default)
											131-125	1300
											126-130	1400
											131-135	1500
											136-140	2500
											141-145	4000
											146-150	5000
											151-160	10000
											161-165	15000
											166-170	20000
											171-175	25000
											175-200	Idle
												DIMMER CURVES (hold 3s)
											201-210	Linear (default)
											211-220	Square
											221-230	Inverse Square
											231-240	S-Curve
												DTW MODE
											241-245	Dim to Warm Enabled (default)
											246-250	Dim to Warm Disabled
											251-255	Idle
												WHITE DTW
	1	6							ALL	255	0-255	Close → Open
												AMBER
	2	7							ALL	255	0-255	Close → Open

MODE / CHANNEL									Cell#	Default	VALUE	FUNCTION
1Ch DTW	2Ch Amber/White	Basic DTW Option	Cells 8bit Amber/White	Cells 8bit DTW	Cells 16bit	Cells 16bit DTW	Ext 4 Cell DTW Option	Ext All DTW Option				
			1	1	1	1	6	6	1	255	0-255	WHITE DTW 0 → 100%
					2	2				255	0-255	WHITE FINE DTW FINE 0 → 100%
			2		3		7	7		255	0-255	AMBER 0 → 100%
					4					255	0-255	AMBER FINE 0 → 100%
			3	2	5	3	8	8	2	255	0-255	WHITE DTW 0 → 100%
					6	4				255	0-255	WHITE FINE DTW FINE 0 → 100%
			4		7		9	9		255	0-255	AMBER 0 → 100%
					8					255	0-255	AMBER FINE 0 → 100%
			5	3	9	5	10	10	3	255	0-255	WHITE DTW 0 → 100%
					10	6				255	0-255	WHITE FINE DTW FINE 0 → 100%
			6		11		11	11		255	0-255	AMBER 0 → 100%
					12					255	0-255	AMBER FINE 0 → 100%
			7	4	13	7	12	12	4	255	0-255	WHITE DTW 0 → 100%
					14	8				255	0-255	WHITE FINE DTW FINE 0 → 100%
			8		15		13	13		255	0-255	AMBER 0 → 100%
					16					255	0-255	AMBER FINE 0 → 100%

MODE / CHANNEL									Cell#	Default	VALUE	FUNCTION
1Ch DTW	2Ch Amber/White	Basic DTW Option	Cells 8bit Amber/White	Cells 8bit DTW	Cells 16bit	Cells 16bit DTW	Ext 4 Cell DTW Option	Ext All DTW Option				
			9	5	17	9		14	5	255	0-255	WHITE DTW 0 → 100%
					18	10				255	0-255	WHITE FINE DTW FINE 0 → 100%
			10		19			15	5	255	0-255	AMBER 0 → 100%
					20					255	0-255	AMBER FINE 0 → 100%
			11	6	21	11		16	6	255	0-255	WHITE DTW 0 → 100%
					22	12				255	0-255	WHITE FINE DTW FINE 0 → 100%
			12		23			17		255	0-255	AMBER 0 → 100%
					24					255	0-255	AMBER FINE 0 → 100%
			13	7	25	13		18	7	255	0-255	WHITE DTW 0 → 100%
					26	14				255	0-255	WHITE FINE DTW FINE 0 → 100%
			14		27			19		255	0-255	AMBER 0 → 100%
					28					255	0-255	AMBER FINE 0 → 100%
			15	8	29	15		20	8	255	0-255	WHITE DTW 0 → 100%
					30	16				255	0-255	WHITE FINE DTW FINE 0 → 100%
			16		31			21		255	0-255	AMBER 0 → 100%
					32					255	0-255	AMBER FINE 0 → 100%

MODE / CHANNEL									Cell#	Default	VALUE	FUNCTION
1Ch DTW	2Ch Amber/White	Basic DTW Option	Cells 8bit Amber/White	Cells 8bit DTW	Cells 16bit	Cells 16bit DTW	Ext 4 Cell DTW Option	Ext All DTW Option				
			17	9	33	17		22	9	255	0-255	WHITE DTW 0 → 100%
					34	18				255	0-255	WHITE FINE DTW FINE 0 → 100%
			18		35			23	9	255	0-255	AMBER 0 → 100%
					36					255	0-255	AMBER FINE 0 → 100%
			19	10	37	19		24	10	255	0-255	WHITE DTW 0 → 100%
					38	20				255	0-255	WHITE FINE DTW FINE 0 → 100%
			20		39			25		255	0-255	AMBER 0 → 100%
					40					255	0-255	AMBER FINE 0 → 100%
			21	11	41	21		26	11	255	0-255	WHITE DTW 0 → 100%
					42	22				255	0-255	WHITE FINE DTW FINE 0 → 100%
			22		43			27		255	0-255	AMBER 0 → 100%
					44					255	0-255	AMBER FINE 0 → 100%
			23	12	45	23		28	12	255	0-255	WHITE DTW 0 → 100%
					46	24				255	0-255	WHITE FINE DTW FINE 0 → 100%
			24		47			29		255	0-255	AMBER 0 → 100%
					48					255	0-255	AMBER FINE 0 → 100%

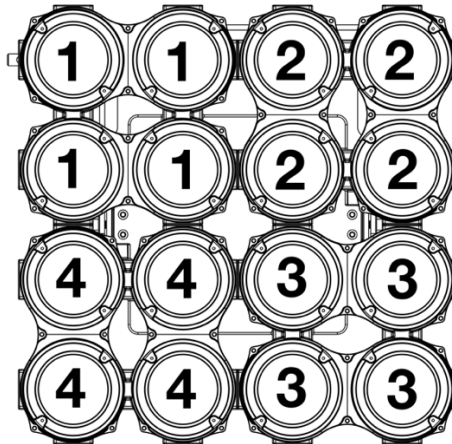
MODE / CHANNEL									Cell#	Default	VALUE	FUNCTION
1Ch DTW	2Ch Amber/White	Basic DTW Option	Cells 8bit Amber/White	Cells 8bit DTW	Cells 16bit	Cells 16bit DTW	Ext 4 Cell DTW Option	Ext All DTW Option				
			25	13	49	25		30	13	255	0-255	WHITE DTW 0 → 100%
					50	26				255	0-255	WHITE FINE DTW FINE 0 → 100%
			26		51			31		255	0-255	AMBER 0 → 100%
					52					255	0-255	AMBER FINE 0 → 100%
			27	14	53	27		32	14	255	0-255	WHITE DTW 0 → 100%
					54	28				255	0-255	WHITE FINE DTW FINE 0 → 100%
			28		55			33		255	0-255	AMBER 0 → 100%
					56					255	0-255	AMBER FINE 0 → 100%
			29	15	57	29		34	15	255	0-255	WHITE DTW 0 → 100%
					58	30				255	0-255	WHITE FINE DTW FINE 0 → 100%
			30		59			35		255	0-255	AMBER 0 → 100%
					60					255	0-255	AMBER FINE 0 → 100%
			31	16	61	31		36	16	255	0-255	WHITE DTW 0 → 100%
					62	32				255	0-255	WHITE FINE DTW FINE 0 → 100%
			32		63			37		255	0-255	AMBER 0 → 100%
					64					255	0-255	AMBER FINE 0 → 100%

ERROR CODES

HIGH TEMPERATURE WARNING!!



IF THE INTERNAL TEMPERATURE REACHES 212° F (100°C) AND/OR A SIGNAL WIRE/SENSOR IN ONE OF THE 4-CELL LED SEQMENTS BECOMES DAMAGED OR DISCONNECTED, THE FIXTURE OLED DISPLAY WILL FLASH “TEMP ERROR” AND THE POWER CONSUMPTION TO ANY OF THE AFFECTED LED SEQMENTS (1-4) WILL DROP TO 100W OR BE TURNED OFF.



SPECIFICATIONS

SOURCE

16 40W DTW COB LEDs

50,000 Hour Average LED Life*

*Test lab conditions. May vary depending on several factors including but not limited to:
Environmental Conditions, Power/Voltage, Usage Patterns (On-Off Cycling), Control, and Dimming.

EFFECTS

Full Pixel Control with Pixel Flip Modes

High Speed Electronic Shutter and Strobe

16Bit Dimming and Variable Dimming Curve Modes

COLOR

DTW

CONTROL / CONNECTIONS

9 DMX Channel Modes (64 total channels)

Adjustable Refresh Rate (900-1500, 25,000 Hz)

4 Button Control Panel / OLED Menu Display

DMX, RDM, sACN, and Art-NET Protocol Support

IP65 Locking 5pin XLR DMX, RJ45 Ethernet, Power In/Out

Fixture-to-Fixture Interlocking Alignment Pins/Locks

SIZE / WEIGHT

Length: 17.32" (440mm)

Width: 8.17" (207mm)

Vertical Height: 17.31" (439.8mm)

Weight: 33.0 lbs. (15.0 kg)

ELECTRICAL / THERMAL

AC 100-240V - 50/60Hz

400W Max Power Consumption

14°F to 113°F (-10°C to 45°C)

APPROVALS / RATINGS

CE | cETLus | IP65

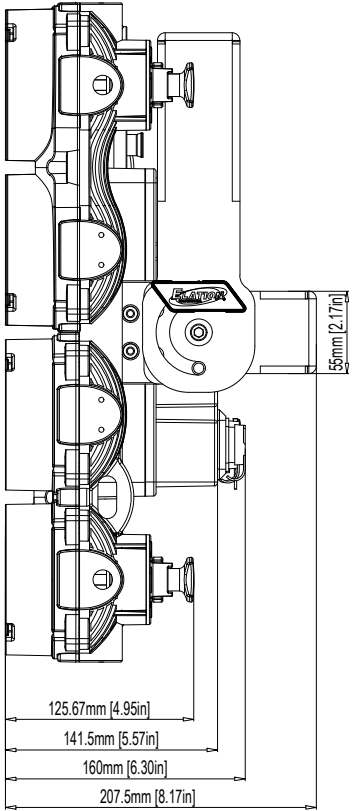
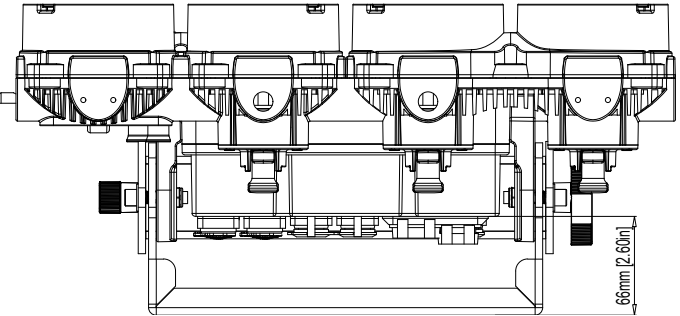
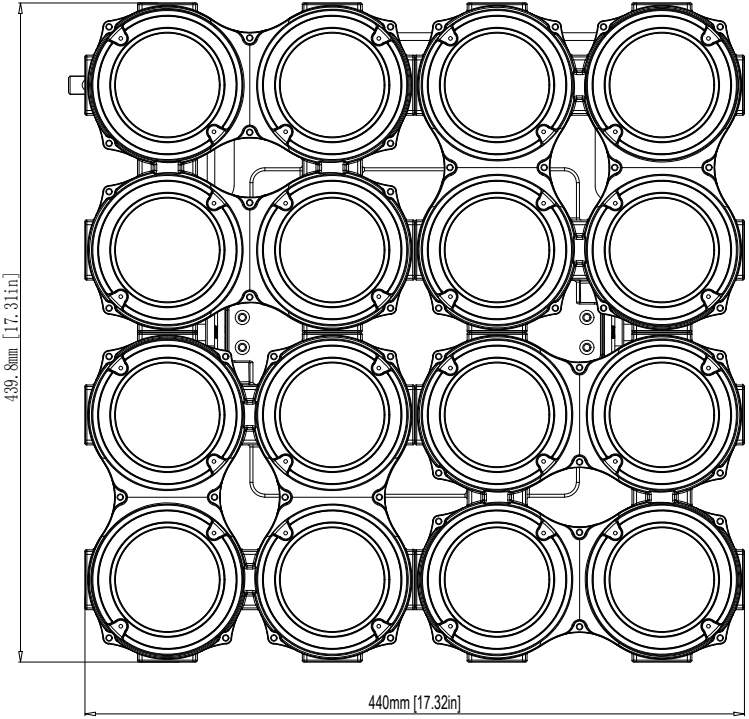
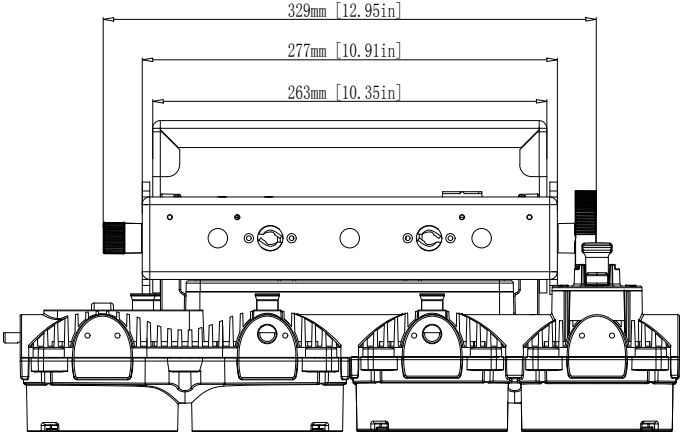


Intertek
4010765

Specifications and improvements in the design of this unit and this manual are subject to change without notice.

DIMENSIONAL DRAWINGS

*drawings not to scale



OPTIONAL ACCESSORIES

ORDER CODE	ITEM
DRCCUEPIX16IP	CUEPIX 16IP 6-Pack Road Case
TRIGGER CLAMP	Heavy Duty Wrap Around Hook Style Clamp
IP TESTER	IP Fixture Vacuum and Pressure Leak Tester
8050000053	Omega Bracket 107mm
STR527	5 ft. (1.5m) IP65 Locking 5pin XLR DMX Cable
NEU088	3 ft. (1m) IP65 Locking Power Link Cable
	Additional Cable Lengths Available

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC RADIO FREQUENCY INTERFERENCE WARNINGS & INSTRUCTIONS

This product has been tested and found to comply with the limits as per Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device uses and can radiate radio frequency energy and, if not installed and used in accordance with the included instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following methods:

- Reorient or relocate the device.
- Increase the separation between the device and the receiver.
- Connect the device to an electrical outlet on a circuit different from which the radio receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

