



32 HEX PANEL IP

User Manual

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Europe Energy Saving Notice

Energy Saving Matters (EuP 2009/125/EC)

Saving electric energy is a key to help protecting the environment. Please turn off all electrical products when they are not in use. To avoid power consumption in idle mode, disconnect all electrical equipment from power when not in use. Thank you!

DOCUMENT VERSION



Due to additional product features and/or enhancements, an updated version of this document may be available online.

Please check www.adj.com for the latest revision/update of this manual before beginning installation and/or programming.

Date	Document Version	Software Version	DMX Channels	Notes
12/17/2018	1.0	1.08	6/10/11/16/48/96	Initial release
03/14/2019	1.2	1.09	6/10/11/16/48/57/96	57 channel mode added
07/09/2019	1.3	1.11	N/C	Strobe mode added
11/25/2020	1.4	1.14	6/8/10/11/16/48/57/96	Updated primary/secondary modes, DMX traits, system menu
02/19/2021	1.5	1.15	N/C	Updated system menu
06/24/2021	1.6	N/C	N/C	Approvals / rating updated
12/13/2022	1.7	N/C	N/C	Added RDM; updated Dimmer Curve Chart, Specifications

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INTRODUCTION

Introduction: The 32 Hex Panel IP/32 Hex Panel IP Pearl is a DMX intelligent, IP rated LED wash fixture that can be used in a stand alone mode or connected in a Primary/Secondary configuration. This fixture has five operating modes: RGBWA + UV dimmer mode, Static Color mode, Auto Run mode, Color Macro mode, and DMX control. **This product is intended to be used by professionally trained personnel only and is not suitable for private use.**

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.

Parts: To purchase parts online visit:

<http://parts.adj.com> (US)

<http://www.adjparts.eu> (EU)

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CAUTION! There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, as doing so will void your manufacturer's warranty. In the unlikely event your unit may require service, please contact ADJ Products, LLC.

LIMITED WARRANTY (USA ONLY)

- A. ADJ Products, LLC hereby warrants, to the original purchaser, ADJ Products, LLC products to be free of manufacturing defects in material and workmanship for a prescribed period from the date of purchase (see specific warranty period on reverse). This warranty shall be valid only if the product is purchased within the United States of America, including possessions and territories. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence, at the time service is sought.
- B. For warranty service, you must obtain a Return Authorization number (RA#) before sending back the product-please contact ADJ Products, LLC Service Department at 800-322-6337. Send the product only to the ADJ Products, LLC factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, ADJ Products, LLC will pay return shipping charges only to a designated point within the United States. If the entire instrument is sent, it must be shipped in its original package. No accessories should be shipped with the product. If any accessories are shipped with the product, ADJ Products, LLC shall have no liability whatsoever for loss of or damage to any such accessories, or for the safe return thereof.
- C. This warranty is void if the serial number has been altered or removed; if the product is modified in any manner which ADJ Products, LLC concludes, after inspection, affects the reliability of the product, if the product has been repaired or service by anyone other than ADJ Products, LLC factory unless prior written authorization was issued to purchaser by ADJ Products, LLC; if the product is damaged because not properly maintained as set forth in the instruction manual.
- D. This is not a service contract, and this warranty does not include maintenance, cleaning or periodic check up. During the period specified above, ADJ Products, LLC will replace defective parts at its expense with new or refurbished parts, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of ADJ Products, LLC under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of ADJ Products, LLC. All products covered by this warranty were manufactured after August 15, 2012, and bear identifying marks to that effect.
- E. ADJ Products, LLC reserves the right to make changes in design and/or improvements upon its products without any obligation to include these changes in any products theretofore manufactured.
- F. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with products described above. Except to the extent prohibited by applicable law, all implied warranties made by ADJ Products, LLC in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said period has expired. The consumer's and/or Dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall ADJ Products, LLC be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product.
- G. This warranty is the only written warranty applicable to ADJ Products, LLC Products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

LIMITED WARRANTY PERIODS

- **Non L.E.D. Lighting Products = 1-year (365 days) Limited Warranty** (Such as: Special Effect Lighting, Intelligent Lighting, UV lighting, Strobes, Fog Machines, Bubble Machines, Mirror Balls, Par Cans, Trussing, Lighting Stands etc. excluding LED and lamps)
- **Laser Products = 1 Year (365 Days) Limited Warranty** (excludes laser diodes which have 6 month limited warranty)
- **L.E.D. Products = 2-year (730 days) Limited Warranty** (excluding batteries which have a 180 day limited warranty)
Note: 2 Year Warranty only applies to purchases within the United States.
- **StarTec Series = 1 Year Limited Warranty** (excluding batteries which have a 180 day limited warranty)
- **ADJ DMX Controllers = 2 Year (730 Days) Limited Warranty**

WARRANTY REGISTRATION

The 32 Hex Panel IP/32 Hex Panel IP Pearl carries a 2 year limited warranty. Please fill out the enclosed warranty card to validate your purchase. All returned service items whether under warranty or not, must be freight pre-paid and accompany a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper included in the shipping carton. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. You may obtain a R.A. number by contacting our customer support team on our customer support number. All packages returned to the service department not displaying a R.A. number on the outside of the package will be returned to the shipper.

FEATURES

- Multiple Colors
- Five Operating Modes
- Electronic Dimming 0-100%
- DMX-512 Protocol
- IP65 Locking 5-pin XLR Connections In/Out
- Multiple DMX Channel Modes
- Multiple Unit Power Linking (see **Multi Unit Power Linking** section of this manual)

INCLUDED ITEMS

- IP65 Locking Power Cable (x1)
- Magnetic Removable Frost Filter (x1)

SAFETY PRECAUTIONS

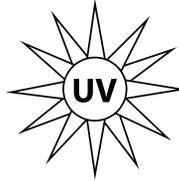
FOR YOUR OWN PERSONAL SAFETY, PLEASE READ AND UNDERSTAND THIS MANUAL COMPLETELY BEFORE ATTEMPTING INSTALLATION OR OPERATION OF THIS UNIT!

- **There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, as doing so will void your manufacturer's warranty. Damages resulting from modifications to this fixture and/or the disregard 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 this fixture into a dimmer pack!**
- **Never open this fixture while in use!**
- **Unplug power before servicing!**
- **Never touch the fixture during operation, as the surface of the fixture may be hot!**
- **Keep flammable materials well away from the fixture!**
- **Ensure all connections and end caps are properly sealed with dielectric grease (available at most electrical supply stores) in order to prevent water corrosion and/or short circuiting.**
- **If the fixture is exposed to environmental temperature changes, such as a relocation from a cold outdoor setting to a warm indoor setting, do NOT power the fixture on immediately! Internal condensation resulting from environmental temperature changes can cause internal fixture damage. Leave the fixture powered off, and allow the fixture to reach room temperature before switching the power on.**
- **Never look directly into the light source! Doing so presents a serious risk of retina injury, and can result in blindness! Sensitive persons may also suffer an epileptic shock!**
- Ensure that the power outlet is rated for the same voltage that your unit requires.
- Do not attempt to operate this unit if the power cord is frayed or broken.
- Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in the event of an internal short.
- Disconnect from power before making any type of connection.
- Do not remove the cover for any reason. There are no user serviceable parts inside.
- Never operate this unit with the cover removed.
- Always mount this unit in an area that will allow for proper ventilation. Allow about 6" (15cm) between this device and any nearby walls.
- Do not attempt to operate this unit if it has been damaged in any way.
- Always mount this unit in a safe and stable manner.
- Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the device.
- Cleaning - The fixture should be cleaned only as recommended by the manufacturer. See the **Cleaning** section of this manual for details.
- Heat - This fixture should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- The fixture should be serviced by qualified service personnel when the appliance does not appear to operate normally or exhibits a marked change in performance.

SAFETY PRECAUTIONS



**HIGH
INTENSITY
ULTRAVIOLET
LIGHT**



**AVOID DIRECT EYE & SKIN EXPOSURE.
WEAR PROPER EYE & SKIN PROTECTION.
SEE MANUAL FOR SAFETY INSTRUCTIONS.**

RISK GROUP 3 - RISK OF EXPOSURE TO ULTRAVIOLET (UV) RADIATION!

FIXTURE EMITS HIGH INTENSITY ULTRAVIOLET (UV) LIGHT FROM THE UV LED.

WEAR PROPER EYE AND SKIN PROTECTION.

AVOID PROLONGED PERIODS OF EXPOSURE TO THE UV LED.

AVOID WEARING WHITE COLOR CLOTHING AND/OR USING (UV) PAINTS ON SKIN.

AVOID DIRECT EYE AND/OR SKIN EXPOSURE AT DISTANCES SHORTER THAN 11 feet (3.3m).

DO NOT OPERATE FIXTURE WITH DAMAGED OR MISSING EXTERNAL COVER.

DO NOT LOOK DIRECTLY INTO THE (UV) LIGHT AND/OR VIEW (UV) LIGHT DIRECTLY WITH OPTICAL INSTRUMENTS THAT MAY CONCENTRATE THE LIGHT/RADIATION OUTPUT.

INDIVIDUALS SUFFERING FROM A RANGE OF EYE CONDITIONS, SUNLIGHT EXPOSURE DISORDERS, OR INDIVIDUALS USING PHOTSENSITIVE MEDICATION, MAY EXPERIENCE DISCOMFORT IF EXPOSED TO THE ULTRAVIOLET (UV) LIGHT EMITTED FROM THIS FIXTURE.

IP NOTICE

An IP rated lighting fixture is designed for installation in outdoor environments, and use a special enclosure that effectively protects against the entry of external foreign objects, such as dust and water. The Ingress Protection (IP) rating system is commonly expressed as “IP” followed by a pair of numbers (i.e. IP65), where the numbers signify the degree of protection. The first digit (foreign bodies protection) indicates the extent of protection against the entry of particles, while the second digit (water protection) indicates the extent of protection against the entry of water. **In IP65 rated fixture, such as this one, has been designed and tested to protect completely against all ingress of dust (6) as well as water sprayed by a nozzle from any direction (5).**

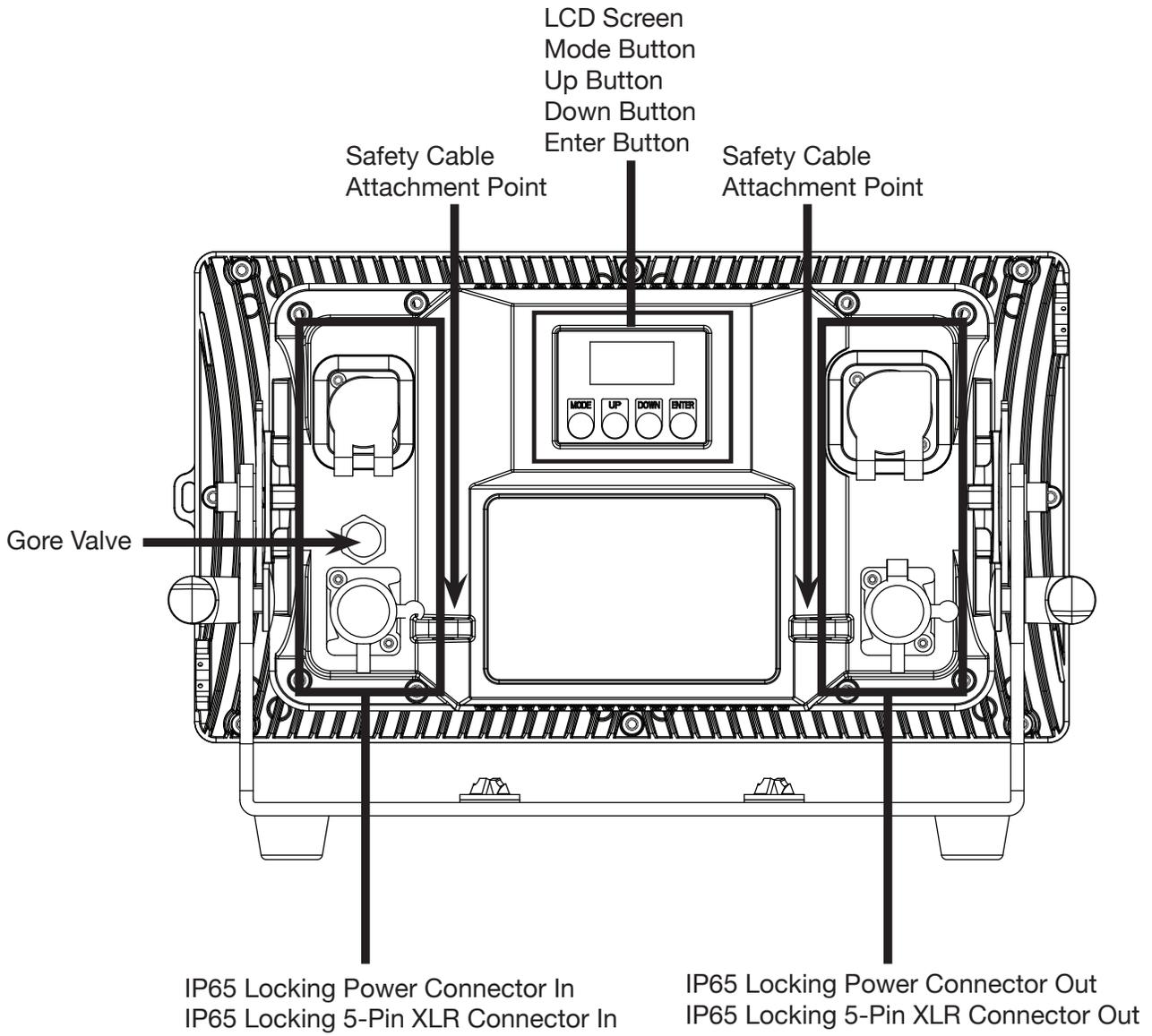
Please note: although the fixture is IP65 rated, it is intended only for temporary outdoor usage!



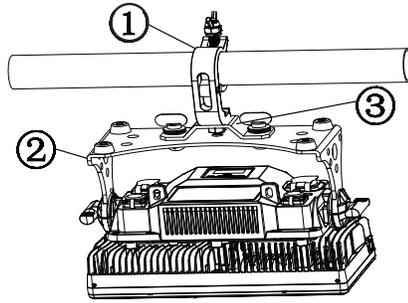
MARINE/COASTAL ENVIRONMENT INSTALLATIONS

This fixture is NOT suitable for marine and/or coastal environment 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 setting will void the manufacturer’s warranty and will NOT be subject to any warranty claims and/or repairs.

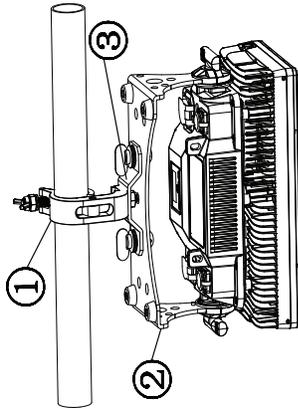
OVERVIEW



INSTALLATION



- ① OPTIONAL CLAMP (Not Included)
- ② ADJUSTABLE MOUNTING BRACKET
- ③ OPTIONAL OMEGA BRACKET (Not Included)



The 32 Hex Panel IP is fully operational in three different mounting positions: hanging upside-down, mounted sideways on trussing, or set on a flat level surface. Be sure this fixture is kept at least 12m (40ft) away from any flammable materials (decoration etc.). ALWAYS use and install and appropriately rated safety cable as a safety measure to prevent accidental damage and/or injury in the event that the clamp fails.

Screw one clamp into the Omega bracket with an M12 screw and nut. Insert the quick-lock fasteners of the Omega bracket into the matching holes of the adjustable mounting bracket. Tighten the quick-lock fasteners fully clockwise. Pull the safety-cable through the openings located on the rear of the unit and over the trussing system or a safe fixation spot. Insert the end in the carabine and tighten the safety screw.

Always ensure that the unit is firmly fixed to avoid vibration and slipping during operation. Always ensure that the structure to which you are attaching the unit is secure and is able to support at least 10 times the unit's weight. ALWAYS use safety cables that can hold 12 times the weight of the unit when installing the fixture.

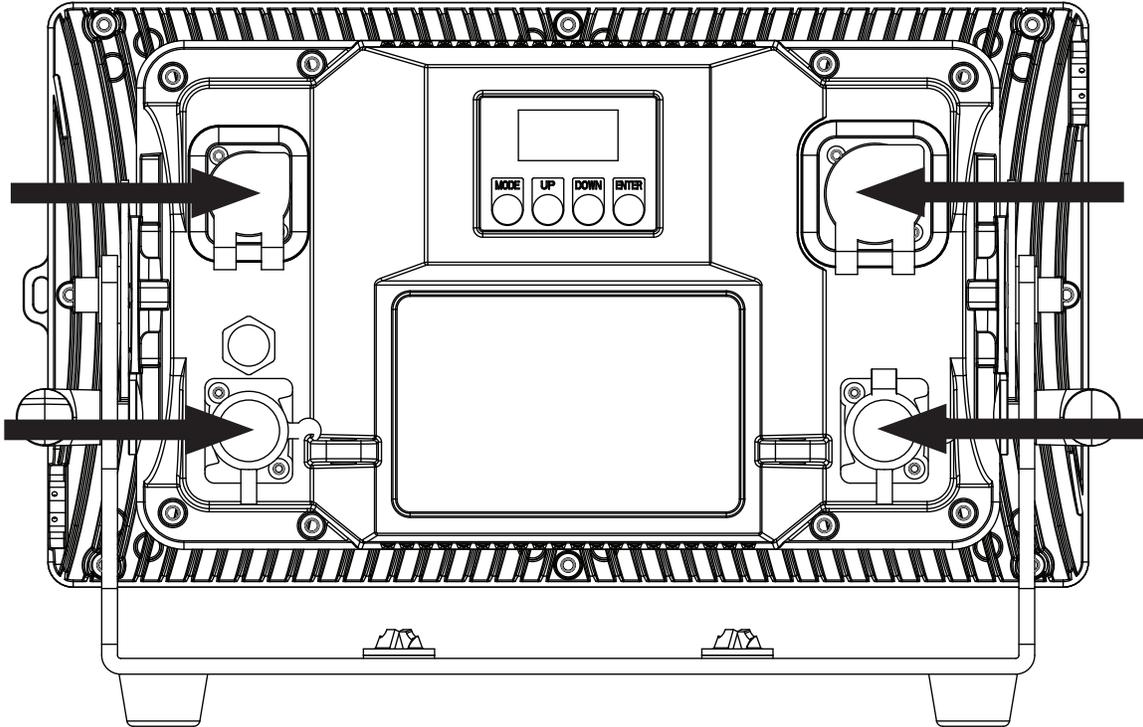
This equipment must be installed by a professional, and it must be installed out of the reach of the general public.

Ensure ALL connections and end caps are properly sealed with a non-conductive dielectric grease (available at most electrical supply stores) to prevent water ingress/condensation and/or corrosion.

CONNECTIONS

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

TO MAINTAIN IP65 RATING INTEGRITY AND PREVENT WATER FROM ENTERING THE FIXTURE, ALL CONNECTION RUBBER CAPS MUST BE SEALED WHEN NOT IN USE.

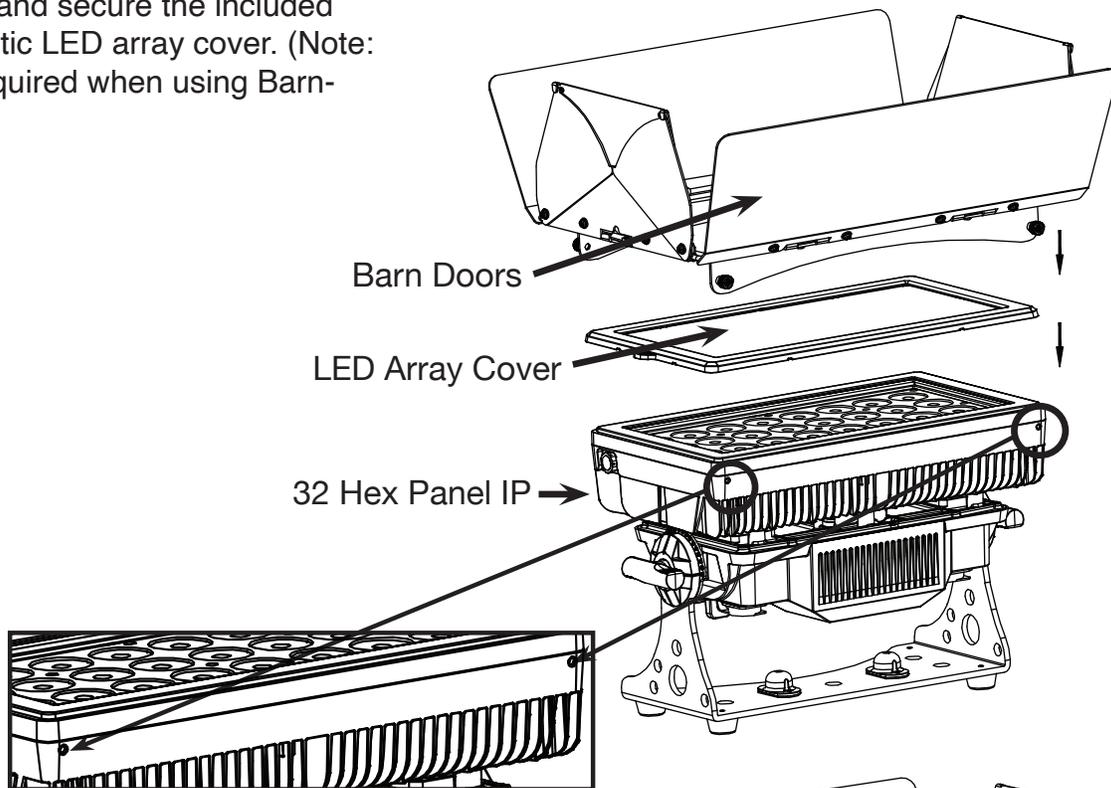


ACCESSORY INSTALLATION

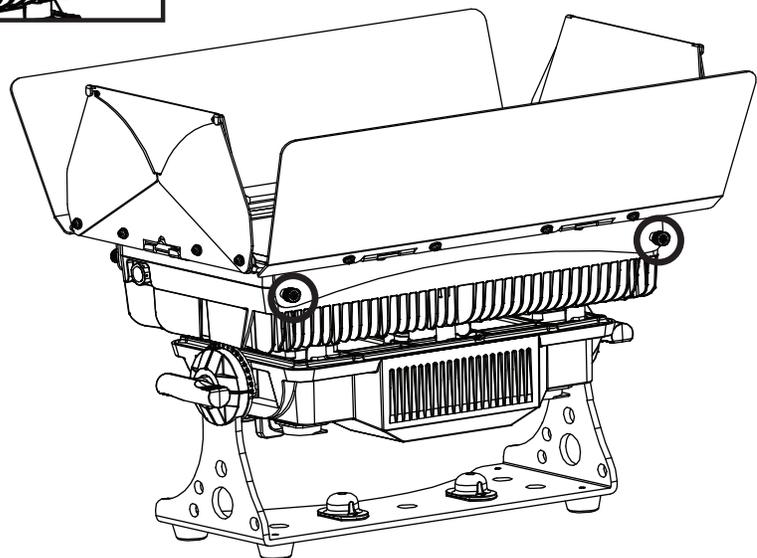
BARNDOORS

Please note: Barndoors are an optional accessory that must be purchased separately.

1. Install and secure the included magnetic LED array cover. (Note: Not required when using Barn-doors)



2. Place the Barndoor attachment over the front of the unit. Align and insert the 4 barndoor thumb-screws into the matching holes located on each side of unit (2 on each side). Tighten the thumb-screws to secure the barndoors in place. **DO NOT** overtighten.



REMOTE DEVICE MANAGEMENT (RDM)

NOTE: In order for RDM to work properly, RDM enabled equipment must be used throughout the entire system, including DMX data splitters and wireless systems.

Remote Device Management (RDM) is a protocol that sits on top of the DMX512 data standard for lighting, allowing the DMX systems of the fixtures to be modified and monitored remotely. This protocol is ideal for instances in which a unit is installed in a location that is not easily accessible.

With RDM, the DMX512 system becomes bi-directional, allowing a compatible RDM enabled controller to send out a signal to devices on the wire, as well as allowing the fixture to respond (known as a GET command). The controller can then use its SET command to modify settings that would typically have to be changed or viewed directly via the unit's display screen, including the DMX Address, DMX Channel Mode, and Temperature Sensors.

FIXTURE RDM INFORMATION:

RDM Code	Device ID	Device Model ID	Personality ID
1900	xxxx xxxx	1	001 - 6Ch 002 - 8Ch 003 - 10Ch 004 - 11Ch 005 - 16Ch 006 - 48Ch 007 - 57Ch 008 - 96 Ch

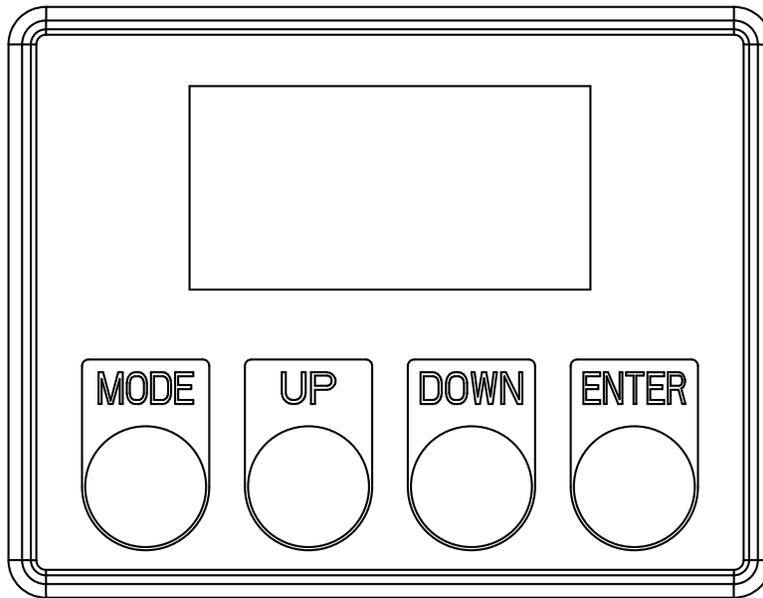
Please be aware that **not all RDM devices support all RDM features**, and therefore it is important to check beforehand to ensure that the equipment that you are considering includes all of the features that you require.

The following parameters are accessible in RDM on this device:

Sensor Definition
Sensor Value
Device Model Description
Manufacturer Label
Device Label
DMX Personality
DMX Personality Description
Device Hours

SYSTEM MENU

The fixture features an easy to navigate system menu control panel display where all necessary settings and adjustments can be made (see illustration below). During normal operation, pressing the MENU button once will access the fixture's main menu. Once in the main menu, you can navigate through the different functions and access the sub-menus with the UP and DOWN buttons. When you reach a field that requires adjusting, press the ENTER button to access that field, then use the UP and DOWN buttons to adjust the field. Pressing the ENTER button once more will confirm your setting. You may exit the main menu at any time without making any adjustments by pressing the MENU button.



LCD CONTROL PANEL LOCKOUT

When the Key Lock function is activated, the control panel will automatically lock after a period of inactivity that can be set under the **LCD Set > Backlight** menu.

- When the Key Lock function is set to ON, the control panel will lock and the display will show "LOCKED*****". Press and hold the MODE button for 3 seconds to unlock.
- When the Key Lock function is set to ON1, the control panel will lock and the display will show "LOCKED*****". To unlock the display, press UP, DOWN, UP, DOWN, ENTER.

If the button sequence was entered correctly, the display and control panel will unlock. If the button sequence was entered incorrectly, the display will return to the DMX address display.

SYSTEM MENU

MENU	SUBMENU	OPTIONS / VALUES	DESCRIPTION	
DISPLAY MENU	Update Wait ADJ Vx.xx			
SET ADDR	001 - 509		DMX addressing	
USER MODE	CH06		DMX channel mode	
	CH08			
	CH10			
	CH11			
	CH16			
	CH48			
	CH57			
	CH96			
FUNCTION	Dim Curve	Standard	Dimmer curve setting	
		Stage		
		TV		
		Architec		
		Theatre		
	No DMX	Hold	Lost DMX setting	
		Blackout		
		Program		
	Auto Run	FQN 01 - FQN 99	Auto run programs	
	1. Statc	R	F000 - F255	Static color mode
		G		
		B		
		RG		
		GB		
		RB		
RGB				
BLAC				
2. Chang	SP01 - SP99	F000 - F255	15 color change mode	
3. Chang	SP01 - SP99	F000 - F255	30 color change mode	
4. Fade	SP01 - SP99	F000 - F255	Color fade mode	
Macros	00 - 64		Color macro mode	
LCD Set	Backlight	05min - 60min	LCD display settings	
	Key Lock	On		
		On1		
		Off		
	Dis Flash	On / Off		
DF Set	On / Off		Reset to default settings	

CONTINUED ON NEXT PAGE

SYSTEM MENU

MENU	SUBMENU	OPTIONS / VALUES		DESCRIPTION
FUNCTION (continued)	Temp	Fahren / Celsius		Temperature display units
	Settings White Bal	Red	000 - 255	White balance setting
		Green	000 - 255	
		Blue	000 - 255	
		White	000 - 255	
		Amber	000 - 255	
		UV	000 - 255	
	Fan Mode	Auto		Fan setting
		Low		
		High		
Fre Hz	900 Hz , 1000 Hz, 1100 Hz, 1200 Hz, 1300 Hz, 1400 Hz, 1500 Hz, 2500 Hz, 4000 Hz, 5000 Hz, 10 KHz, 15 KHz, 20 KHz, 25 KHz		Set LED refresh rate	
Dim Curve	Linear		Set dimmer curve	
	S-Curve			
	Inv Square			
	Square			
INFO	Time Info	Current		Current running time (hours)
		Total Tim		Total running times (hours)
		Last Clea		Last time running times was cleared (hours)
		Timer PIN	Current Time Clear Password = 050	
	Total Time Clear Password = 060			
	Temp Info	xxx		Current running temperature
	Model Inf	32 Hex Panel		Model name
Software	Uxxx		Current software version	
SECONDARY	Secondry			Secondary mode setting
STROBE MODE	Random 1 (All LED Strobing)			Strobing
	Random 2 (Zone Strobing)			

CONTINUED ON NEXT PAGE

SYSTEM MENU

MENU	SUBMENU	OPTIONS / VALUES	DESCRIPTION
MANUAL	Dimmer	000 - 255	Manual Control
	All Red	000 - 255	
	All Green	000 - 255	
	All Blue	000 - 255	
	All White	000 - 255	
	All Amber	000 - 255	
	All UV	000 - 255	
	Red 1	000 - 255	
	Green 1	000 - 255	
	Blue 1	000 - 255	
	White 1	000 - 255	
	Amber 1	000 - 255	
	UV 1	000 - 255	
	Red 2	000 - 255	
	Green 2	000 - 255	
	Blue 2	000 - 255	
	White 2	000 - 255	
	Amber 2	000 - 255	
	UV 2	000 - 255	
	
	Red 8	000 - 255	
	Green 8	000 - 255	
	Blue 8	000 - 255	
White 8	000 - 255		
Amber 8	000 - 255		
UV 8	000 - 255		
Strobing	000 - 255		

SYSTEM MENU

DMX Addressing:

Operating through a DMX controller gives the user the freedom to create custom programs tailored to their own individual needs.

1. To run your fixture in DMX mode, press the MODE button. Use the UP or DOWN buttons to scroll to “Set Addr” and press ENTER. The current DMX address will now be displayed.
2. Use the UP or DOWN buttons to find your desired DMX address, and press ENTER.

DMX Channel Modes:

Use this function to select your desired DMX channel mode. The 32 Hex Panel IP/32 Hex Panel IP Pearl has 7 DMX channel modes: 6/10/11/16/48/57/96.

1. Press the MODE button to access the main menu. Press the UP or DOWN buttons until “User Mode” is displayed and press ENTER to confirm. The current DMX channel mode will now be displayed.
2. Press the UP or DOWN buttons to scroll through the 7 DMX channel modes. When you have found your desired DMX channel mode, press ENTER to confirm your selection or press the MODE button to exit. Refer to the ***DMX Traits*** section of this manual for detailed information.

Dimmer Curve Setting:

1. Press the MODE button to access the main menu. Press the UP or DOWN buttons until “Menu Function” is displayed, then press ENTER. Press the UP or DOWN buttons until “DimCurve” is displayed, and press ENTER.
2. Use the UP or DOWN buttons to scroll through the dimmer curves. Press ENTER to confirm your selection, or press the MODE button to exit.
3. There are 5 dimmer curve settings to choose from. Refer to the ***Dimmer Curve Chart*** section of this manual for detailed information.

DMX Lost Setting:

This mode is used to define how the unit reacts when the DMX signal is lost or interrupted. It can also be used to set the operating mode that the unit will default to when powered up.

1. Press the MODE button to access the main menu. Press the UP or DOWN buttons until “Menu Function” is displayed, and press ENTER. Press the UP or DOWN buttons until “NODMX” is displayed and press ENTER.
2. Use the UP and DOWN buttons to scroll through the 3 DMX standing states.
 - “Hold” - The fixture will stay in the last DMX set up.
 - “Blackout” - The unit will automatically go into stand by mode.
 - “Program” - The unit will automatically go into Auto Run mode.
3. Use the UP and DOWN buttons to find your desired DMX state and press ENTER to confirm your selection, or press the MODE button to exit without making changes.

Auto Run Mode:

1. Press the MODE button to access the main menu. Press the UP or DOWN buttons so that “Menu Function” is displayed, and press ENTER. Press the UP or DOWN buttons until “AUTO RUN FQN” is displayed and press ENTER.
2. Use the UP or DOWN buttons to scroll through the 99 Auto Run programs. Press ENTER to confirm your selection or press the MODE button to exit.

SYSTEM MENU

Static Color Mode, Color Change Mode, and Color Fade Mode:

1. Press the MODE button to access the main menu. Press the UP or DOWN buttons to scroll to “Menu Function” and press ENTER. Press the UP or DOWN buttons until ONE of the following running modes is displayed:
 - “1. STATC” - Static Color Mode (Color adjustment and strobing)
 - “2. CHANG” - 15 Color Change Mode (Color changing, change speed adjustment, & strobing)
 - “3. CHANG” - 30 Color Change Mode (Color changing, change speed adjustment, & strobing)
 - “4. FADE” - Color Fade Mode (Color fading, fade speed adjustment, & strobing)
2. Press the ENTER button to select your desired running mode. Use the UP and DOWN buttons to make your desired adjustments. Press the ENTER button each time you are finished making adjustments in the current running mode.

Color Macro Mode:

1. Press the MODE button to access the main menu. Press the UP or DOWN buttons until “Menu Function” is displayed, and press ENTER.
2. Press the UP or DOWN buttons until “Macros” is displayed and press ENTER.
3. There are 64 colors to choose from. Use the UP and DOWN buttons for find your desired color.
4. Once you have found your desired color, press the ENTER button. Press the MODE button to exit.

LCD Display Settings:

1. Press the MODE button to access the main menu. Press the UP or DOWN buttons until “Menu Function” is displayed, and press ENTER.
2. Press the UP or DOWN buttons until “LCD.Set” is displayed and press ENTER.
3. Use the UP and DOWN buttons to scroll through the options, and press ENTER to make your selection.
 - Backlight - Set how long the backlight display will stay on.
 - Key Lock - Control the key lock feature.
 - “OFF” - The keypad is unlocked, simply press the MODE button to activate the keypad.
 - “ON” - This is a simple keypad lock. “LOCKED *****” will be displayed. Press and hold the MODE button for at least 5 seconds to unlock the keypad.
 - “ON1” - This setting is used to prevent the accidental unlocking of the keypad. To unlock the keypad you will have to enter a passcode. “LOCKED *****” will be displayed. To unlock the keypad press UP, DOWN, UP, DOWN, & ENTER in that order.
 - DisFlash - In this function you can activate the display flash.

Default Running Mode:

In this mode you can reset all function settings to their default modes.

1. Press the MODE button to access the main menu. Press the UP or DOWN buttons until “Menu Function” is displayed and press ENTER.
2. Press the UP or DOWN buttons until “DFSET” displayed, and press ENTER.
3. Use the UP or DOWN button to toggle between “ON” and “OFF”. To reset to the default settings, select “ON” and press ENTER.

SYSTEM MENU

Unit Temperature: Switch the temperature setting between celsius or fahrenheit.

1. Press the MODE button to access the main menu. Press the UP or DOWN buttons until “Menu Function” is displayed and press ENTER.
2. Press the UP or DOWN buttons until “Temp” is displayed and press ENTER.
3. Use the UP and DOWN buttons to switch between “Fahren” and “Celsius”.
4. Once you have found your desired setting press ENTER to confirm, or press MODE to exit.

White Balance Settings: Adjust RGBWA & UV colors to balance the white color.

1. Press the MODE button to access the main menu. Press the UP or DOWN buttons until “Menu Function” is displayed and press ENTER.
2. Press the UP or DOWN buttons until “Settings WhiteBal” is displayed and press ENTER.
3. Use the UP and DOWN buttons to switch between the colors. When you have found the color you wish to adjust, press ENTER. Use the UP or DOWN button to adjust the color values.
4. Once you have made your desired adjustment press ENTER.

Fan Setting: With this function you can adjust the fan speeds.

1. Press the MODE button to access the main menu. Press the UP or DOWN buttons until “Menu Function” is displayed and press ENTER.
2. Press the UP or DOWN buttons until “Fan Mode” is displayed, and press ENTER.
3. Use the UP and DOWN buttons to scroll through different frequencies.
4. Once you have found your desired setting, press ENTER.

Frequency Setting: With this function you can adjust the LED refresh frequency.

1. Press the MODE button to access the main menu. Press the UP or DOWN buttons until “Menu Function” is displayed and press ENTER.
2. Press the UP or DOWN buttons until “Fre_hz” is displayed and press ENTER.
3. Use the UP and DOWN buttons to scroll through different frequencies.
4. Once you have found your desired frequency, press ENTER.

Dim Curves Setting: With this function you can select which dim curve the unit will follow.

1. Press the MODE button to access the main menu. Press the UP or DOWN buttons until “Menu Function” is displayed and press ENTER.
2. Press the UP or DOWN buttons until “DimCurve” is displayed and press ENTER.
3. Use the UP and DOWN buttons to scroll through different settings.
4. Once you have found your desired setting press ENTER.

Time Information:

1. Press the MODE button to access the main menu. Press the UP or DOWN buttons until “Menu Info” is displayed and press ENTER.
2. Press the UP or DOWN buttons until “TimeInfo” is displayed and press ENTER.
3. Use the UP and DOWN buttons to scroll through the time information menu.
 - “TimeInfo Current” - This will display the current running time of the fixture in hours.
 - “TimeInfo TotalTim” - This will display the total running time of the fixture in hours.
 - “TimeInfo LastClea” - This will display the last time the running time was cleared.
 - “TimeInfo TimerPIN” - This menu function will allow you to clear the current running time and total running time.

SYSTEM MENU

Temperature Information:

1. Press the MODE button to access the main menu. Press the UP or DOWN buttons until “Menu Info” is displayed and press ENTER.
2. Press the UP or DOWN buttons until “Temp Info” is displayed and press ENTER.
3. The current temperature will now be displayed. Press the MENU button to exit.

Model Information:

1. Press the MODE button to access the main menu. Press the UP or DOWN buttons until “Menu Info” is displayed and press ENTER.
2. Press the UP or DOWN buttons until “Model Inf” is displayed and press ENTER.
3. The model name will now be displayed. Press the MENU button to exit.

Software Information:

1. Press the MODE button to access the main menu. Press the UP or DOWN buttons until “Menu Info” is displayed and press ENTER.
2. Press the UP or DOWN buttons until “Software” is displayed and press ENTER.
3. The current software version will now be displayed. Press the MENU button to exit.

Secondary Setting: With this function you can set the unit as a “Secondary” in Primary-Secondary configuration.

1. Plug the fixture in and press the MODE button and press the UP or DOWN buttons until “Secondary” is displayed, and press ENTER.
2. The unit is now set as a “Secondary” in a Primary-Secondary configuration.

Strobe Mode: With this function you switch between all LED strobing or Zone strobing. *Note: Strobe Mode works with DMX only. The strobe mode setting will only work with “Random Strobing” in the “Strobe” channel.*

1. Press the MODE button to access the main menu. Press the UP or DOWN buttons until “Strobe Mode” is displayed, and press ENTER.
2. Use the UP or DOWN buttons to switch between Random 1 and Random 2.
3. Random 1 has all LEDs strobing together, and Random 2 will zone strobe.
4. Select your desired strobe mode and press the ENTER button. Press the MODE button to exit.

Manual Control: With this function you can manually adjust the dimmer, colors, and strobing.

1. Plug the fixture in and press the MODE button and press the UP or DOWN buttons until “Manual” is displayed, and press ENTER.
2. Press the UP or DOWN buttons to scroll through dimmer, colors, and strobe.
3. Press ENTER to select the function you would like to adjust and use the UP and DOWN buttons to make the adjustments.
4. Once you have made your desired adjustments, press the ENTER button.

DMX SET UP

DMX-512: DMX is short for Digital Multiplex. This is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions from the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA “IN” and DATA “OUT” XLR terminals located on all DMX fixtures (most controllers only have a DATA “OUT” terminal).

DMX Linking: DMX is a language allowing all makes and models of different manufacturers to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, to use the shortest path possible when linking several DMX fixtures. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example, a fixture assigned a DMX address of 1 may be placed anywhere in a DMX line: at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

Data Cable (DMX Cable) Requirements (For DMX Operation): The 32 Hex Panel IP/32 Hex Panel IP Pearl can be controlled via DMX-512 protocol. The DMX address is set on the back panel of the 32 Hex Panel IP/32 Hex Panel IP Pearl, and the unit and DMX controller require a standard 5-pin XLR connector for data input and data output. We recommend Accu-Cable DMX cables. If you are making your own cables, be sure to use standard 110-120 Ohm shielded cable (This cable may be purchased at almost all pro lighting stores). Your cables should be made with a male XLR connector at one end and a female XLR connector at the other. Also remember that DMX cable must be daisy chained and cannot be split.

Special Note: Line Termination. When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behavior. A terminator is a 110-120 ohm 1/4 watt resistor which is connected between pins 2 and 3 of a male XLR connector (DATA + and DATA -). This unit is inserted in the female XLR connector of the last unit in your daisy chain to terminate the line. Using a cable terminator (ADJ part number Z-DMX/T) will decrease the possibilities of erratic behavior.

TO MAINTAIN IP65 RATING INTEGRITY AND PREVENT WATER FROM ENTERING THE FIXTURE, ALL CONNECTION RUBBER CAPS MUST BE SEALED WHEN NOT IN USE, AND ONLY IP65 RATED POWER AND DATA CABLES SHOULD BE USED.

DMX SET UP

All fixtures should be given a DMX starting address when using a DMX controller, to ensure that the correct fixture responds to the correct control signal. This digital starting address is the channel number from which the fixture starts to “listen” to the digital control signal sent out from the DMX controller. This starting DMX address is assigned by setting the correct DMX address on the digital control display on the fixture.

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 other words, 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 start to “listen” to 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, when in 6 channel mode you should set the starting DMX address of the first unit to 1, the second unit to 7 (1 + 6), the third unit to 13 (1 + 6 + 6), and so on. Please refer to the chart below.

Channel Mode	Unit 1 Address	Unit 2 Address	Unit 3 Address	Unit 4 Address
6 channel	1	7	13	19
8 channel	1	9	17	25
10 channel	1	11	21	31
11 channel	1	12	23	34
16 channel	1	17	33	49
48 channel	1	49	97	145
57 channel	1	58	115	172
96 channel	1	97	193	289

DMX TRAITS

CHANNEL								DMX VALUES	FUNCTION
6CH	8CH	10CH	11CH	16CH	48CH	57CH	96CH		
1	1	1	1	1				000 - 255	Red (All LEDs), 0-100%
2	2	2	2	2				000 - 255	Green (All LEDs), 0-100%
3	3	3	3	3				000 - 255	Blue (All LEDs), 0-100%
4	4	4	4	4				000 - 255	White (All LEDs), 0-100%
5	5	5	5	5				000 - 255	Amber (All LEDs), 0-100%
6	6	6	6	6				000 - 255	UV (All LEDs), 0-100%
					1	1	1	000 - 255	Red Zone 1, 0-100%
							2	000 - 255	Red Fine Zone 1, 0-100%
					2	2	3	000 - 255	Green Zone 1, 0-100%
							4	000 - 255	Green Fine Zone 1, 0-100%
					3	3	5	000 - 255	Blue Zone 1, 0-100%
							6	000 - 255	Blue Fine Zone 1, 0-100%
					4	4	7	000 - 255	White Zone 1, 0-100%
							8	000 - 255	White Fine Zone 1, 0-100%
					5	5	9	000 - 255	Amber Zone 1, 0-100%
							10	000 - 255	Amber Fine Zone 1, 0-100%
					6	6	11	000 - 255	UV Zone 1, 0-100%
							12	000 - 255	UV Fine Zone 1, 0-100%
					7	7	13	000 - 255	Red Zone 2, 0-100%
							14	000 - 255	Red Fine Zone 2, 0-100%
					8	8	15	000 - 255	Green Zone 2, 0-100%
							16	000 - 255	Green Fine Zone 2, 0-100%
					9	9	17	000 - 255	Blue Zone 2, 0-100%
							18	000 - 255	Blue Fine Zone 2, 0-100%
					10	10	19	000 - 255	White Zone 2, 0-100%
							20	000 - 255	White Fine Zone 2, 0-100%
					11	11	21	000 - 255	Amber Zone 2, 0-100%
							22	000 - 255	Amber Fine Zone 2, 0-100%
					12	12	23	000 - 255	UV Zone 2, 0-100%
							24	000 - 255	UV Fine Zone 2, 0-100%
					13	13	25	000 - 255	Red Zone 3, 0-100%
							26	000 - 255	Red Fine Zone 3, 0-100%
					14	14	27	000 - 255	Green Zone 3, 0-100%
							28	000 - 255	Green Fine Zone 3, 0-100%
					15	15	29	000 - 255	Blue Zone 3, 0-100%
							30	000 - 255	Blue Fine Zone 3, 0-100%
					16	16	31	000 - 255	White Zone 3, 0-100%
							32	000 - 255	White Fine Zone 3, 0-100%
					17	17	33	000 - 255	Amber Zone 3, 0-100%
							34	000 - 255	Amber Fine Zone 3, 0-100%
					18	18	35	000 - 255	UV Zone 3, 0-100%

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DMX TRAITS

CHANNEL								DMX VALUES	FUNCTION
6CH	8CH	10CH	11CH	16CH	48CH	57CH	96CH		
							36	000 - 255	<i>UV Fine Zone 3, 0-100%</i>
					19	19	37	000 - 255	<i>Red Zone 4, 0-100%</i>
							38	000 - 255	<i>Red Fine Zone 4, 0-100%</i>
					20	20	39	000 - 255	<i>Green Zone 4, 0-100%</i>
							40	000 - 255	<i>Green Fine Zone 4, 0-100%</i>
					21	21	41	000 - 255	<i>Blue Zone 4, 0-100%</i>
							42	000 - 255	<i>Blue Fine Zone 4, 0-100%</i>
					22	22	43	000 - 255	<i>White Zone 4, 0-100%</i>
							44	000 - 255	<i>White Fine Zone 4, 0-100%</i>
					23	23	45	000 - 255	<i>Amber Zone 4, 0-100%</i>
							46	000 - 255	<i>Amber Fine Zone 4, 0-100%</i>
					24	24	47	000 - 255	<i>UV Zone 4, 0-100%</i>
							48	000 - 255	<i>UV Fine Zone 4, 0-100%</i>
					25	25	49	000 - 255	<i>Red Zone 5, 0-100%</i>
							50	000 - 255	<i>Red Fine Zone 5, 0-100%</i>
					26	26	51	000 - 255	<i>Green Zone 5, 0-100%</i>
							52	000 - 255	<i>Green Fine Zone 5, 0-100%</i>
					27	27	53	000 - 255	<i>Blue Zone 5, 0-100%</i>
							54	000 - 255	<i>Blue Fine Zone 5, 0-100%</i>
					28	28	55	000 - 255	<i>White Zone 5, 0-100%</i>
							56	000 - 255	<i>White Fine Zone 5, 0-100%</i>
					29	29	57	000 - 255	<i>Amber Zone 5, 0-100%</i>
							58	000 - 255	<i>Amber Fine Zone 5, 0-100%</i>
					30	30	59	000 - 255	<i>UV Zone 5, 0-100%</i>
							60	000 - 255	<i>UV Fine Zone 5, 0-100%</i>
					31	31	61	000 - 255	<i>Red Zone 6, 0-100%</i>
							62	000 - 255	<i>Red Fine Zone 6, 0-100%</i>
					32	32	63	000 - 255	<i>Green Zone 6, 0-100%</i>
							64	000 - 255	<i>Green Fine Zone 6, 0-100%</i>
					33	33	65	000 - 255	<i>Blue Zone 6, 0-100%</i>
							66	000 - 255	<i>Blue Fine Zone 6, 0-100%</i>
					34	34	67	000 - 255	<i>White Zone 6, 0-100%</i>
							68	000 - 255	<i>White Fine Zone 6, 0-100%</i>
					35	35	69	000 - 255	<i>Amber Zone 6, 0-100%</i>
							70	000 - 255	<i>Amber Fine Zone 6, 0-100%</i>
					36	36	71	000 - 255	<i>UV Zone 6, 0-100%</i>
							72	000 - 255	<i>UV Fine Zone 6, 0-100%</i>
					37	37	73	000 - 255	<i>Red Zone 7, 0-100%</i>
							74	000 - 255	<i>Red Fine Zone 7, 0-100%</i>
					38	38	75	000 - 255	<i>Green Zone 7, 0-100%</i>

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DMX TRAITS

CHANNEL								DMX VALUES	FUNCTION
6CH	8CH	10CH	11CH	16CH	48CH	57CH	96CH		
							76	000 - 255	Green Fine Zone 7 , 0-100%
					39	39	77	000 - 255	Blue Zone 7 , 0-100%
							78	000 - 255	Blue Fine Zone 7 , 0-100%
					40	40	79	000 - 255	White Zone 7 , 0-100%
							80	000 - 255	White Fine Zone 7 , 0-100%
					41	41	81	000 - 255	Amber Zone 7 , 0-100%
							82	000 - 255	Amber Fine Zone 7 , 0-100%
					42	42	83	000 - 255	UV Zone 7 , 0-100%
							84	000 - 255	UV Fine Zone 7 , 0-100%
					43	43	85	000 - 255	Red Zone 8 , 0-100%
							86	000 - 255	Red Fine Zone 8 , 0-100%
					44	44	87	000 - 255	Green Zone 8 , 0-100%
							88	000 - 255	Green Fine Zone 8 , 0-100%
					45	45	89	000 - 255	Blue Zone 8 , 0-100%
							90	000 - 255	Blue Fine Zone 8 , 0-100%
					46	46	91	000 - 255	White Zone 8 , 0-100%
							92	000 - 255	White Fine Zone 8 , 0-100%
					47	47	93	000 - 255	Amber Zone 8 , 0-100%
							94	000 - 255	Amber Fine Zone 8 , 0-100%
					48	48	95	000 - 255	UV Zone 8 , 0-100%
							96	000 - 255	UV Fine Zone 8 , 0-100%
	8		7	7			49		Strobe
								000 - 031	LED Off
								032 - 063	LED On
								064 - 095	Strobing, slow to fast
								096 - 127	LED On
								128 - 159	Pulse Strobing, slow to fast
								160 - 191	LED On
								192 - 223	Random Strobing, slow to fast
								224 - 255	LED On
	7	7	8	8			50	000 - 255	Master Dimmer , 0-100%
		8	9	9			51	000 - 255	Master Dimmer Fine
				10				000 - 255	Color Macros (see Color Macros Chart section of this manual)
				11			52		Auto Programs
								000 - 010	No Function
								011 - 026	Dream
								027 - 043	Meteor
								044 - 060	Fade
								061 - 076	Change
								077 - 093	Flow 1
								094 - 110	Flow 2

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DMX TRAITS

CHANNEL								DMX VALUES	FUNCTION
6CH	8CH	10CH	11CH	16CH	48CH	57CH	96CH		
				11		52			Auto Programs (continued)
								111 - 126	Flow 3
								127 - 143	Flow 4
								144 - 160	Flow 5
								161 - 176	Flow 6
								177 - 193	Flow 7
								194 - 210	Flow 8
								211 - 226	Flow 9
								227 - 255	No Function
				12		53		000 - 255	Auto Program Speed , slow to fast
				13		54		000 - 255	Auto Program Fade , slow to fast
				14		55			Dimmer Mode
								000 - 020	Standard
								021 - 040	Stage
								041 - 060	TV
								061 - 080	Architectural
								081 - 100	Theatre
								101 - 255	Default to unit setting
									LED Refresh Rate
								000 - 015	Default to unit setting
								016 - 030	900 Hz
								031 - 045	1000 Hz
								046 - 060	1100 Hz
								061 - 075	1200 Hz
								076 - 090	1300 Hz
								091 - 105	1400 Hz
								106 - 120	1500 Hz
								121 - 135	2500 Hz
								136 - 150	4000 Hz
								151 - 165	5000 Hz
								166 - 180	10,000 Hz
								181 - 195	15,000 Hz
								196 - 210	20,000 Hz
								211 - 225	25,000 Hz
								226 - 255	Off
									Dim Curves
								000 - 020	No Function
								021 - 045	Linear
								046 - 070	Square
								071 - 095	Inv. Square
								096 - 120	S-Curve
								121 - 255	No Function
		9	10	15		56			
		10	11	16		57			

COLOR MACROS CHART

COLOR NO.	DMX VALUES	COLOR INTENSITY					
		RED	GREEN	BLUE	WHITE	AMBER	UV
Off	000	0	0	0	0	0	0
Color1	001 - 004	80	255	234	80	0	0
Color2	005 - 008	80	255	164	80	0	0
Color3	009 - 012	77	255	112	77	0	0
Color4	013 - 016	117	255	83	83	0	0
Color5	017 - 020	160	255	77	77	0	0
Color6	021 - 024	223	255	83	83	0	0
Color7	025 - 028	255	243	77	77	0	0
Color8	029 - 032	255	200	74	74	0	0
Color9	033 - 036	255	166	77	77	0	0
Color10	037 - 040	255	125	74	74	0	0
Color11	041 - 044	255	97	77	74	0	0
Color12	045 - 048	255	71	77	71	0	0
Color13	049 - 052	255	83	134	83	0	0
Color14	053 - 056	255	93	182	93	0	0
Color15	057 - 060	255	96	236	96	0	0
Color16	061 - 064	238	93	255	93	0	0
Color17	065 - 068	196	87	255	87	0	0
Color18	069 - 072	150	90	255	90	0	0
Color19	073 - 076	100	77	255	77	0	0
Color20	077 - 080	77	100	255	77	0	0
Color21	081 - 084	67	148	255	67	0	0
Color22	085 - 088	77	195	255	77	0	0
Color23	089 - 092	77	234	255	77	0	0
Color24	093 - 096	158	255	144	144	0	0
Color25	097 - 100	255	251	153	153	0	0
Color26	101 - 104	255	175	147	147	0	0
Color27	105 - 108	255	138	186	138	0	0
Color28	109 - 112	255	147	251	147	0	0
Color29	113 - 116	151	138	255	138	0	0
Color30	117 - 120	100	138	255	138	0	0
Color31	121 - 124	138	169	255	138	0	0
Color32	125 - 128	255	255	255	255	0	0
Color33	129 - 132	255	206	143	0	0	0
Color34	133 - 136	254	177	153	0	0	0
Color35	137 - 140	254	192	138	0	0	0
Color36	141 - 144	254	165	98	0	0	0
Color37	145 - 148	254	121	0	0	0	0

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COLOR MACROS CHART

COLOR NO.	DMX VALUES	COLOR INTENSITY					
		RED	GREEN	BLUE	WHITE	AMBER	UV
Color38	149 - 152	176	17	0	0	0	0
Color39	153 - 156	96	0	11	0	0	0
Color40	157 - 160	234	139	171	0	0	0
Color41	161 - 164	224	5	97	0	0	0
Color42	165 - 168	175	77	173	0	0	0
Color43	169 - 172	119	130	199	0	0	0
Color44	173 - 176	147	164	212	0	0	0
Color45	177 - 180	88	2	163	0	0	0
Color46	181 - 184	0	38	86	0	0	0
Color47	185 - 188	0	142	208	0	0	0
Color48	189 - 192	52	148	209	0	0	0
Color49	193 - 196	0	46	35	0	0	0
Color50	197 - 200	8	107	222	0	0	0
Color51	201 - 204	107	156	231	0	0	0
Color52	205 - 208	165	198	247	0	0	0
Color53	209 - 212	0	83	115	0	0	0
Color54	213 - 216	0	97	166	0	0	0
Color55	217 - 220	1	100	167	0	0	0
Color56	221 - 224	0	40	86	0	0	0
Color57	225 - 228	209	219	182	0	0	0
Color58	229 - 232	42	165	85	0	0	0
Color59	233 - 236	255	0	0	0	0	0
Color60	237 - 240	0	255	0	0	0	0
Color61	241 - 244	0	0	255	0	0	0
Color62	245 - 248	0	0	0	255	0	0
Color63	249 - 252	0	0	0	0	255	0
Color64	253 - 255	0	0	0	0	0	255

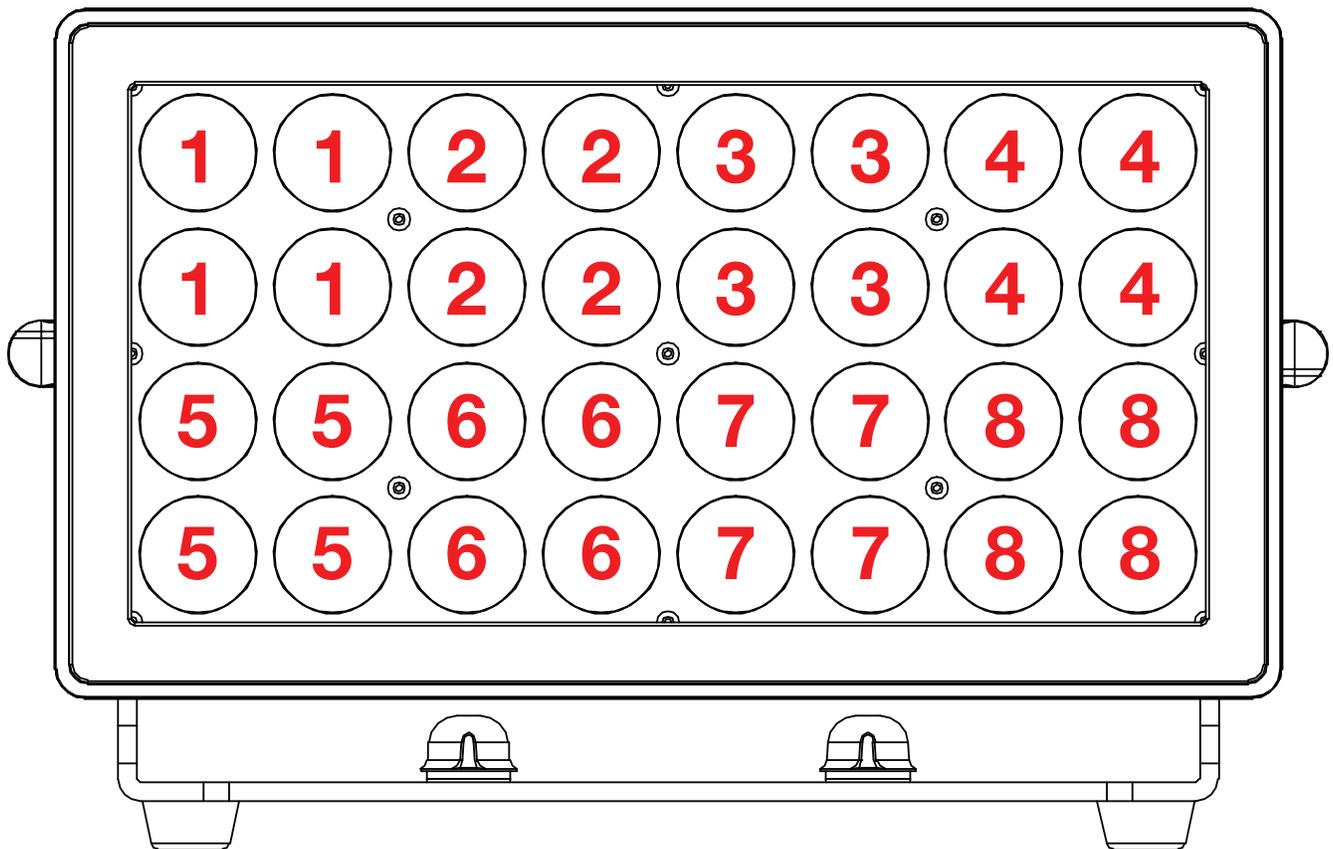
PRIMARY-SECONDARY CONFIGURATION

This function will allow units to be linked together to run in a Primary-Secondary set-up, where one unit will act as the controlling unit and the others will react to the controlling unit's built-in programs. Any unit can act as a Primary or as a Secondary, but only one unit in a linked system can be programmed to act as the Primary.

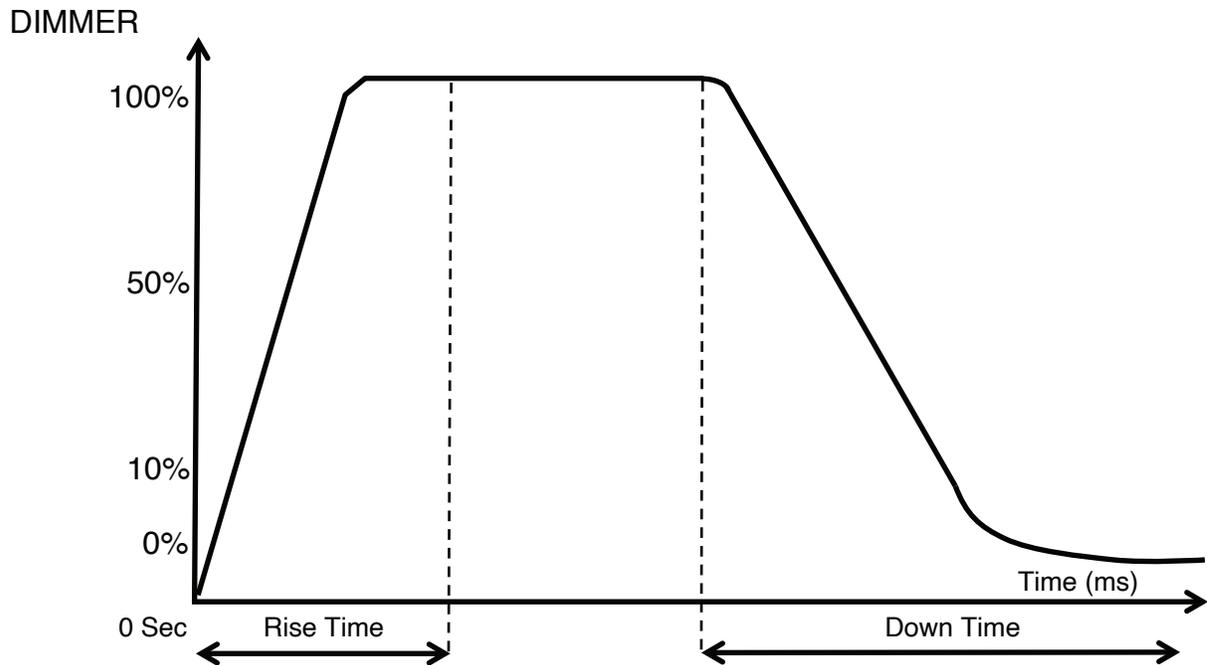
Primary-Secondary Connections and Settings:

1. Daisy chain your units via the XLR connector on the rear of each unit. Use standard XLR data cables to link your units together. Remember that the male XLR connector is the input and the female XLR connector is the output. The first unit in the chain (primary) will use the female XLR connector only, and the last unit in the chain will use the male XLR connector only.
2. Connect the first "Secondary" unit to the "Primary."
3. Set the "Primary" unit to your desired mode of operation. On the "Secondary" unit(s) press the MODE button and press the UP or DOWN buttons until "Secondary" is displayed and press ENTER.
4. The Secondary unit(s) will now follow the Primary unit.

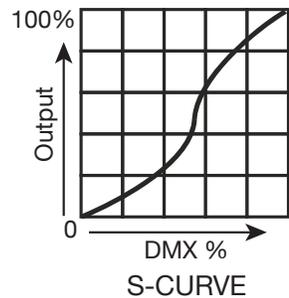
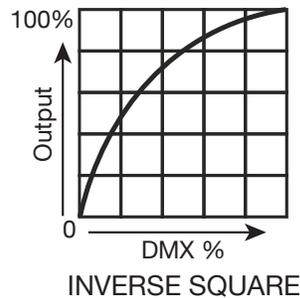
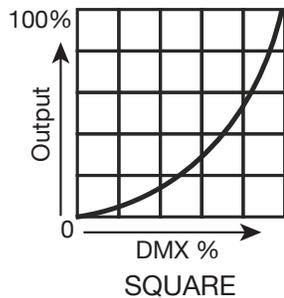
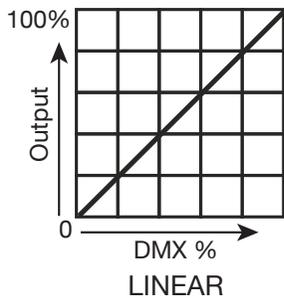
PIXEL ZONES



DIMMER CURVE CHART

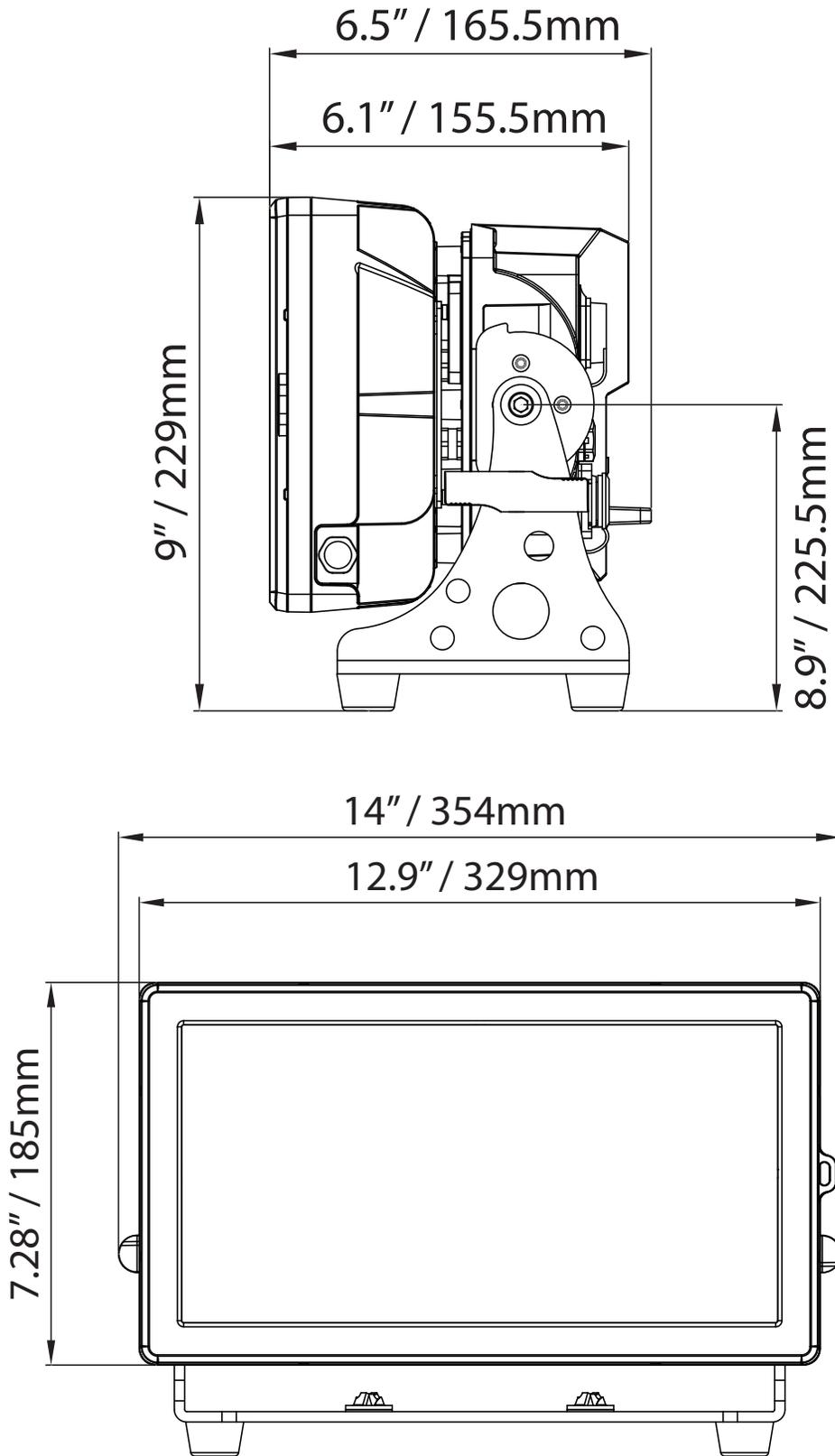


Dimming Curve Ramp Effect	0 sec Fade Time		1 sec Fade Time	
	Rise Time (ms)	Down Time (ms)	Rise Time (ms)	Down Time (ms)
Standard (default)	0	0	0	0
Stage	780	1100	1540	1660
TV	1180	1520	1860	1940
Architectural	1380	1730	2040	2120
Theatre	1580	1940	2230	2280



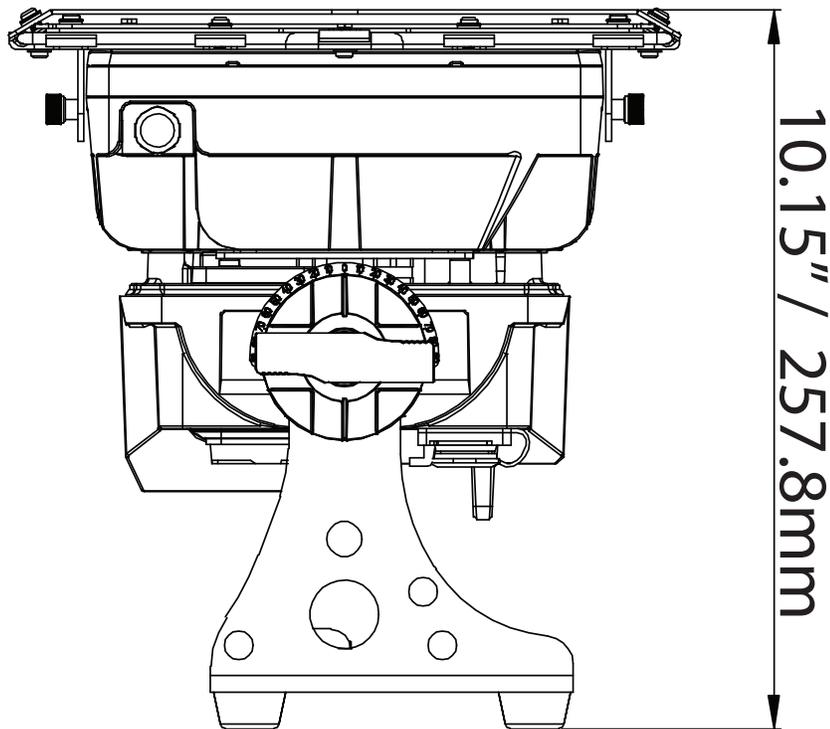
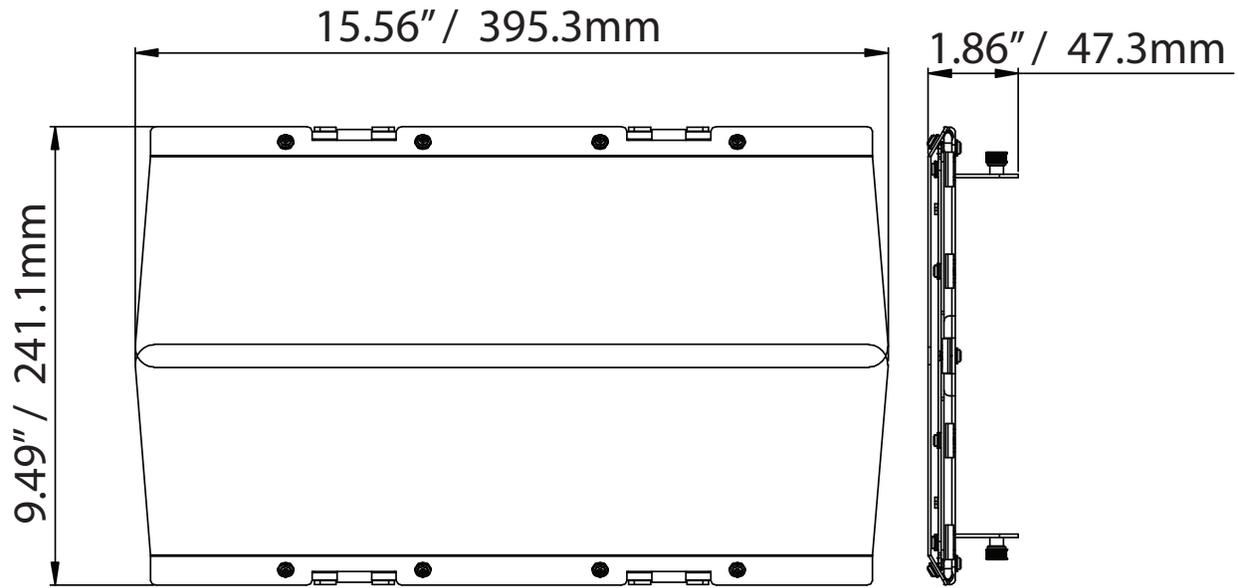
DIMENSIONAL DRAWINGS

FIXTURE ONLY



DIMENSIONAL DRAWINGS

FIXTURE WITH BARDOORS INSTALLED



MULTIPLE UNIT POWER LINKING

This feature allows fixtures to be linked together using the power cable input and output sockets.

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

TROUBLE SHOOTING

Listed below is a common problem that the user may encounter, with possible solutions.

Unit not responding to DMX:

Check that the DMX cables are connected and wired correctly (pin 3 is “hot”; on some other DMX devices pin 2 may be “hot”). Also, check that all cables are connected to the right connectors, as the way in which the inputs and outputs are connected can affect the operation of the device.

CLEANING

Due to fog residue, smoke, and dust, cleaning the internal and external optical lenses must be carried out periodically in order to optimize light output.

- Use normal glass cleaner and a soft cloth to wipe down the outside casing.
- Clean the external optics with glass cleaner and a soft cloth every 20 days.
- Always be sure to dry all parts completely before plugging the unit back in.

Cleaning frequency depends on the environment in which the fixture operates (i.e. smoke, fog residue, dust, dew).

SPECIFICATIONS

Model:	32 Hex Panel IP / 32 Hex Panel IP Pearl
Voltage:	100V - 240V / 50-60 Hz
LEDs:	32 x 12W 6-in-1 Hex LEDs
IP Rating:	IP65
Working Position:	Any safe working position
Power Draw:	298W
Dimensions:	6.5" (L) x 14" (W) x 9" (H) 165.5mm (L) x 354mm (W) x 229mm (H)
Weight:	24.25 Lbs / 11 Kgs
Colors:	RGBWA+UV Color Mixing
DMX Channels:	8 DMX Modes - 6, 8, 10, 11, 16, 48, 57, or 96 channels
Control:	DMX, Standalone, RDM
Warranty:	2 Years (730 days)
Approvals/Rating:	CE certified UKCA



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

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