

40 HEX PANEL IP

User Instructions

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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
04/09/2025	1.0	1.0.0	6Ch 1G, 12Ch 1G, 15Ch 1G, 16Ch 1G, 24Ch 1G, 12Ch 2G, 20Ch 2G, 24Ch 2G, 27Ch 2G, 29Ch 2G, 36Ch 2G, 30Ch 5G, 40Ch 5G , 60Ch 5G, 63Ch 5G, 68Ch 5G, 72Ch 5G, 60Ch 10G, 70Ch 10G, 120Ch 10G, 123Ch 10G, 128Ch 10G, 132Ch 10G	Initial release

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INTRODUCTION

Unpacking: Thank you for purchasing the 40 Hex Panel IP by ADJ Products, LLC. 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 appears to have been damaged, carefully inspect your fixture for any damage and be sure all accessories necessary to operate the unit have arrived intact. In the event that damage has been found or parts are missing, please contact our toll free customer support number for further instructions. Do not return this unit to your dealer without first contacting customer support.

Introduction: 40 HEX Panel IP is a versatile IP65-rated fixture designed for indoor and outdoor use, functioning as a wash, blinder, or color strobe. It features 40 high-performance 20W HEX LEDs (6-in-1: RGBAL+UV), 10 pixel-controlled sections, and a durable all-metal black housing for reliable operation in any setting.. **This product is intended to be used by professionally trained personnel only and is not suitable for private use.**

Customer Support: Contact ADJ Service for any product related service and support needs. Also visit forums.adj.com with questions, comments or suggestions.

Parts: To purchase parts online visit:

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

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

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For software updates, please contact ADJ service!

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.

Do not discard the shipping cartoon in the trash. Please recycle when ever possible.

IP65 RATED

The International Protection (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 is designed and tested to protect against the ingress of dust (6), and low-pressure water jets from any direction (5).

NOTE: THIS FIXTURE IS INTENDED FOR TEMPORARY OUTDOOR USE ONLY!

Maritime/Coastal Environment Installations: A coastal environment is seaside adjacent, and caustic to electronics through exposure to atomized salt-water and humidity, whereas maritime is anywhere within 5-miles of a coastal environment.



NOT suitable for maritime/coastal environment installations. Installing this fixture in a maritime/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 maritime/coastal environment will void the manufactures warranty, and will NOT be subject to any warranty claims and/or repairs.

Maritime installations require additional preparation, and additional service intervals may be needed given the maritime use. In general, IP ratings presuppose freshwater conditions VS maritime conditions, which are typically more “caustic” to IP fixtures (both internally and externally). A duty-cycle may also be needed when units are not in use. During times of high humidity and colder temperatures, condensation may occur internally so the fixture may require a duty-cycle to bring it up to running temperature, allowing any accumulation of moisture to be expelled via the vent valve. Recommendations can change based on installation environmental circumstances. A waterproof dome or similar device is recommended for use in permanent outdoor installations. When using a dome, refer to manufacturer recommendations for duty-cycle.

NOTE: NOT ALL FEATURES LISTED ARE AVAILABLE ON ALL FIXTURES; THE FOLLOWING INSTRUCTIONS MAY NOT APPLY. CONTACT SUPPORT FOR ADDITIONAL DETAILS.

Exterior Maintenance: Inspect the exterior every 30-days. The unit must be powered off/disconnected. Inspect optics to determine if the lens is obstructed, then clean optics and chassis accordingly. Based on initial finding, schedule maintenance accordingly, keeping in mind that exterior maintenance will be required. Even if the luminaires are NOT in use, maintenance will still be needed given its location (exterior use). The use of a durable type of wax on the chassis is recommended since it will help prevent contaminant build up. Inspect both power and data lines for any signs of contaminants or corrosion. Periodically reapplying di-electric grease, especially in coastal environments. If any signs of corrosion/contaminants are present, clean thoroughly, and/or replace connectors, then reapply di-electric grease. Typically, this should be done annually, or any time an opportunity presents itself. As a preventive measure, annual replacement of both vent valves is recommended. The vent valve membrane can become contaminated and/or clogged causing improper venting of humidity within the luminaire. Inspect all mounting hardware as a precaution.

Interior Maintenance: Inspect the interior every 30-days. The unit must be powered off/disconnected.

- Inspect zoom/focus mechanism, clean optics, lubricate linear bearings (Krytox oil) as needed, inspect belts for wear
- Inspect all rotating effect wheels, manually rotate them, note any resistance
- Inspect all remaining rotating belts for any wear
- Inspect all fans, clean as needed, check rotation, check connections
- Inspect CMY module, manually move flags and check for signs of resistance, and if needed, clean guide rods first, then reapply a thin layer of grease (moly lube)
- Clean interior with low-volume compressed air, then clean optics prior to reassembly of head covers

Although the base has limited moving parts, the pan belt should also be inspected for wear. Remember to always perform an IP test anytime a cover is removed.

There is no specific time frame regarding the routine replacement of parts such as belts/stepper motors, PCBs, or LEDs. These items should only be replaced on an as needed bases, except for cooling fans, which should be replaced once the luminaries reach 10,000-hours. This is a prophylactic measure intended to keep the unit running as cool as possible, insuring proper function of all internal components. A complete service breakdown is available, please contact service@adj.com for any needed parts or manuals.

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 warrant 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

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 accompanied by 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 an R.A. number by contacting our customer support team. All packages returned to the service department not displaying an R.A. number on the outside of the package will be returned to the shipper.

FEATURES

- IP65 rated – protects from dust, sand, moisture, water
- Aria X2 Management System
- All metal construction with black housing
- Includes heavy duty bracket
- Flicker free for film and broadcast
- Linear variable white temperature control

INCLUDED ITEMS

- 1 x IP65 Locking Power Cable
- 1 x Frost Filter
- 1 x Safety Cable

SAFETY GUIDELINES



PROTECTION CLASS 1 - FIXTURE MUST BE PROPERLY GROUNDED.



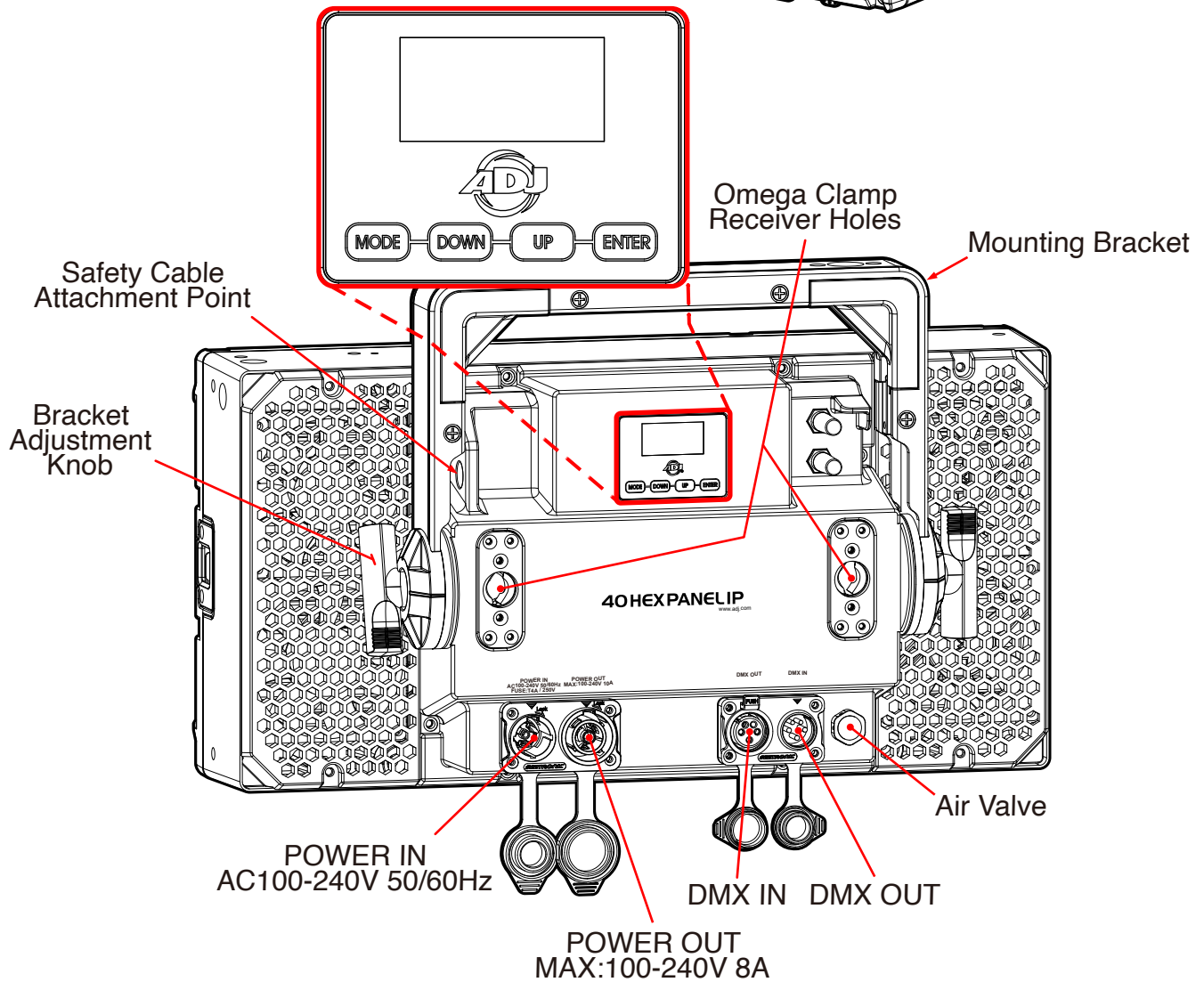
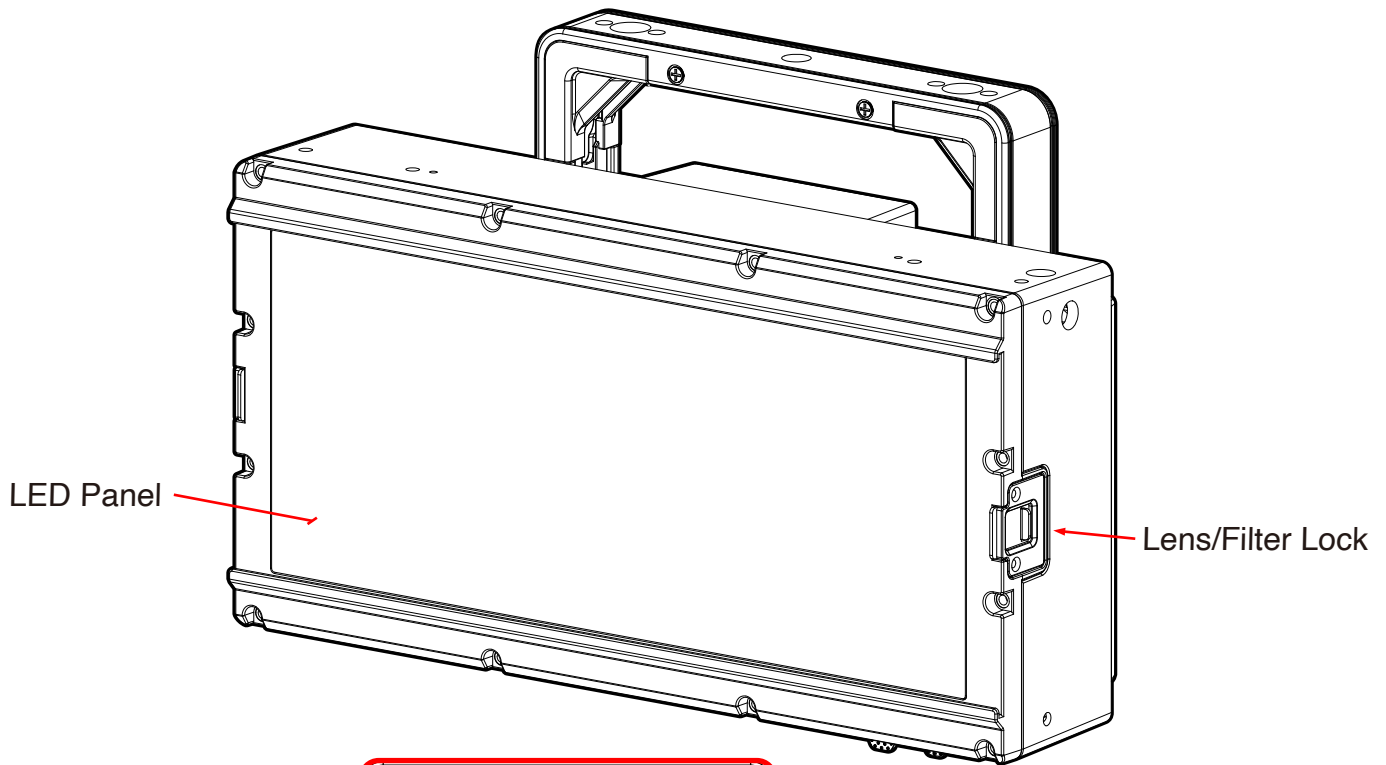
THERE ARE NO USER SERVICEABLE PARTS INSIDE THIS UNIT. DO NOT ATTEMPT ANY REPAIRS YOURSELF, AS DOING SO WILL VOID YOUR MANUFACTURER'S WARRANTY. DAMAGES RESULTING FROM MODIFICATIONS TO THIS FIXTURE AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURER'S WARRANTY AND ARE NOT SUBJECT TO ANY WARRANTY CLAIMS AND/OR REPAIRS.



**NEVER LOOK DIRECTLY INTO THE LIGHT SOURCE!
RETINA INJURY RISK - MAY INDUCE BLINDNESS!
SENSITIVE PERSONS MAY SUFFER AN EPILEPTIC SHOCK!**

- **Ambient operating temperature is -22°F to 113°F (-30°C to 45°C)!**
- **DO NOT TOUCH** the fixture housing during operation. Disconnect the power and allow approximately 15 minutes for the fixture to cool down before servicing.
- **DO NOT** shake the fixture, and avoid brute force when installing and/or operating the fixture.
- **DO NOT** operate the fixture if the power cord has become frayed, crimped and/or damaged. If the power cord is damaged, replace immediately with a new one of the same power rating.
- **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 case of an internal short.
- **DO NOT** attempt to operate this unit if it has been damaged in any way.
- Disconnect from main power before making any type of connection.
- **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 be sure to mount this unit in an area that will allow proper ventilation. Allow about 6" (15cm) between this device and a wall.
- This device is intended for indoor use only! Outdoors usage voids all manufacturer's warranties.
- **DO NOT** remove the cover for any reason.
- When installing fixture in a suspended environment, always use mounting hardware that is no less than M10 x 25mm, and always install fixture with an appropriately rated safety cable.
- Never plug this unit in to a dimmer pack.
- During long periods of non-use, disconnect the unit's main power.
- Always mount this unit in safe and stable matter.
- 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 the point where they exit from the unit.
- Cleaning - The fixture should be cleaned only as recommended by the manufacturer.
- Heat - The appliance 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:
 - A. The power-supply cord or the plug have been damaged.
 - B. Objects have fallen onto, or liquids have been spilled into, the fixture.
 - C. The fixture does not appear to operate normally or exhibits a marked change in performance.
 - D. The fixture has fallen and/or has been subjected to extreme handling.
- **The light source in this luminaire should only be replaced by the manufacturer, their authorized service agent, or a similarly qualified individual.**
- **This luminaire is designed exclusively for professional use.**

OVERVIEW



TORQUE SETTINGS FOR SCREWS



PANEL SCREWS MUST BE TIGHTENED WITH A TORQUE WRENCH ACCORDING TO THE TORQUE SPECIFICATION DESCRIBED BELOW.

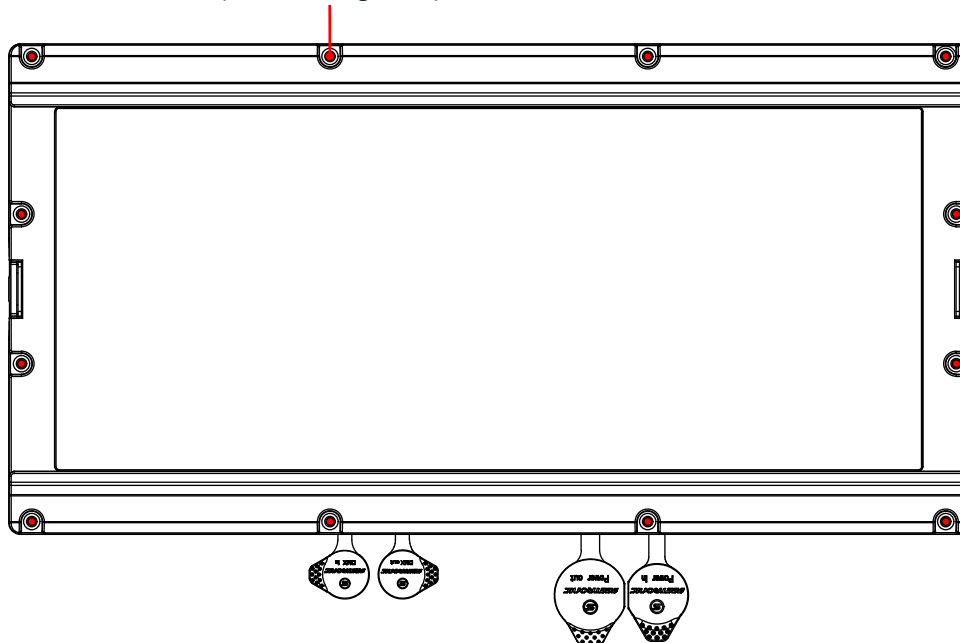


CAUTION! DO NOT OVER TORQUE SCREWS AS THIS CAN CAUSE LEAKAGE ISSUES! TO CONFIRM THE IP65 INTEGRITY AFTER A PROCEDURE REQUIRING DISASSEMBLY/REASSEMBLY, TEST THE FIXTURE USING THE IP TESTER. CONTACT ADJ SERVICE FOR MORE DETAILS.



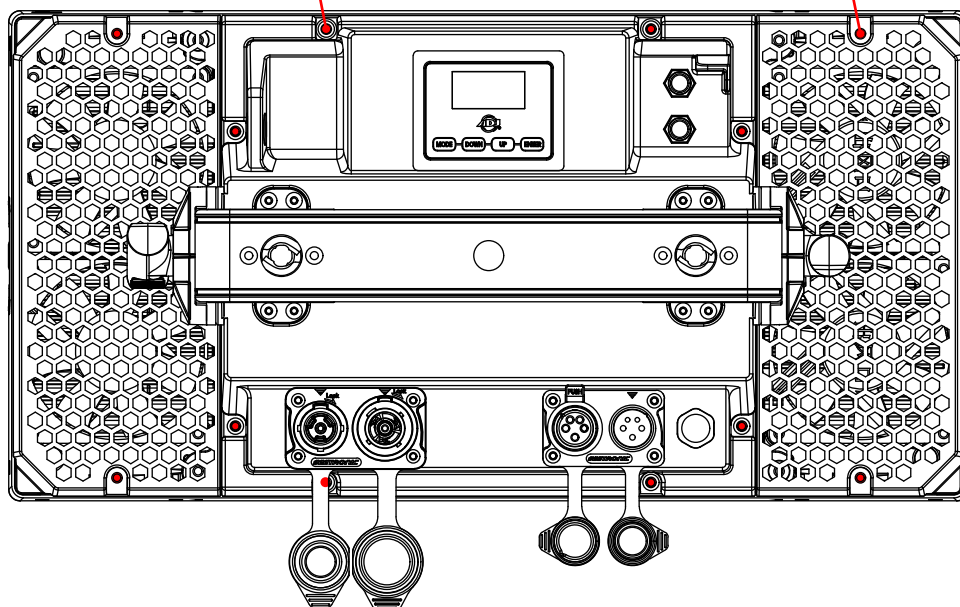
CAUTION! THE USE OF PROTECTIVE GLOVES AND SAFETY GOGGLES IS STRONGLY RECOMMENDED WHILE PERFORMING THE IP PRESSURE TEST! AVOID PLACING YOUR FACE, EYES, HANDS, ETC IN CLOSE PROXIMITY TO THE FIXTURE'S LENS WHILE PERFORMING THE TEST!

(12x) FRONT Cover Screws
(13 ± 0.5 /Kgf.cm)



(8x) Rear Cover Screws
(13 ± 0.5 /Kgf.cm)

(4x) Vent Cover Screws
(5 ± 0.5 /Kgf.cm)



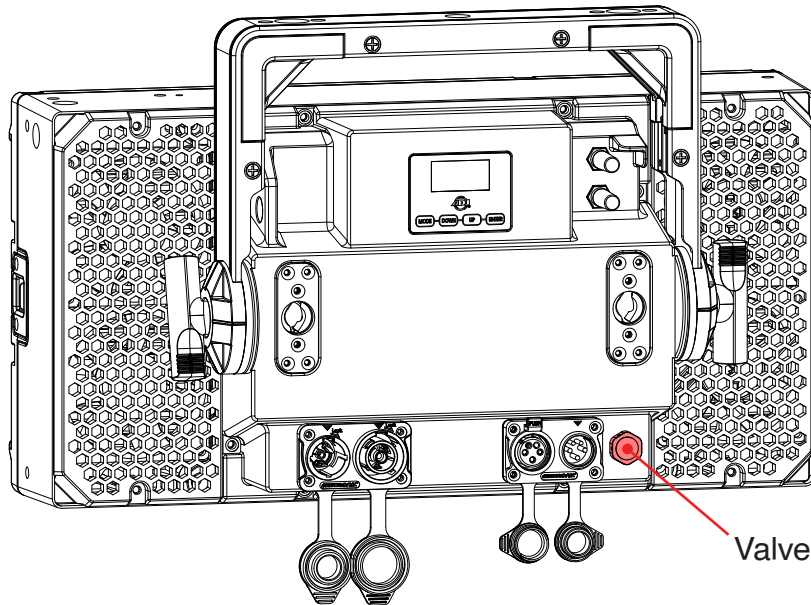
IP TEST PARAMETERS

Following any repair or maintenance procedure that requires disassembly of the fixture, use ADJ's IP Tester to confirm the IP integrity of the fixture. Please contact ADJ Service for information regarding the ADJ Hydro IP Tester, or visit the product information page online at: <https://www.adj.com/hydro-ip-tester>



CAUTION! THE USE OF PROTECTIVE GLOVES AND SAFETY GOGGLES IS STRONGLY RECOMMENDED WHILE PERFORMING THE IP PRESSURE TEST! AVOID PLACING YOUR FACE, EYES, HANDS, ETC IN PROXIMITY TO THE LENS OF THE FIXTURE WHILE PERFORMING THE TEST!

DE-HUMIDIFICATION: IP65 fixtures operating in high-humidity environments may experience residual fogging or condensation. Such fogging will not affect the fixture, and can be removed using the following procedure: position the unit with the air valve pointing upwards, then open the air valve and run the unit for 1-2 hours after reaching operating temperature. Then, while the fixture is still hot, re-install the air valve and allow the unit to cool down. Please note: this procedure should be performed in a dry, climate-controlled environment. Avoid additional fogging by drying the fixture completely before placing into a road case.



IP PRESSURE TESTING PARAMETERS	
Parameter	Value
Maximum Pressure	2.3psi (23.0 KPa)
Minimum Pressure	2.9psi (20.0 KPa)
Inflation Time	30-seconds
Balance Time	15-seconds
Detection Time	15-seconds
Leakage amount	>100Pa

FIXTURE MAINTENANCE/DISASSEMBLY

To maintain the fixture's IP65 rating, send it to ADJ's authorized service team for any maintenance or repair needs.

INSTALLATION GUIDELINES



FLAMMABLE MATERIAL WARNING

Keep fixture minimum 1.6 feet (0.5m) away from flammable materials and/or pyrotechnics.



ELECTRICAL CONNECTIONS

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



MINIMUM DISTANCE TO OBJECTS/SURFACES IS 1.0 FEET (0.3 METERS).

MINIMUM DISTANCE OF INFLAMMABLE MATERIALS FROM THE SURFACE IS 3.3FEET (1.0 METERS).

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 fixtures 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.
- Maximum ambient operating temperature is **113°F (45°C)**. Do not use fixture when ambient temperature exceeds this value.
- Fixture(s) should not be installed in walking paths, seating areas, or areas where unauthorized personnel could reach the fixture by hand.
- **NEVER** stand directly below the fixture(s) when rigging, removing, or servicing it.
- Overhead fixture installation must always be secured with a secondary safety attachment, such as an appropriately rated safety cable.
- Allow approximately 60 minutes for the fixture to cool down before servicing.

IP RATING

Deep scratches on powder-coated metal can compromise the protective layer, exposing the underlying metal to environmental elements. Once the coating is damaged, moisture can infiltrate the surface, leading to corrosion. The scratch essentially creates a pathway for water and other corrosive agents to reach the metal, potentially causing rust and degradation over time. Regular inspection and maintenance of powder-coated surfaces are essential to prevent these issues and preserve the integrity of the metal.

RIGGING

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

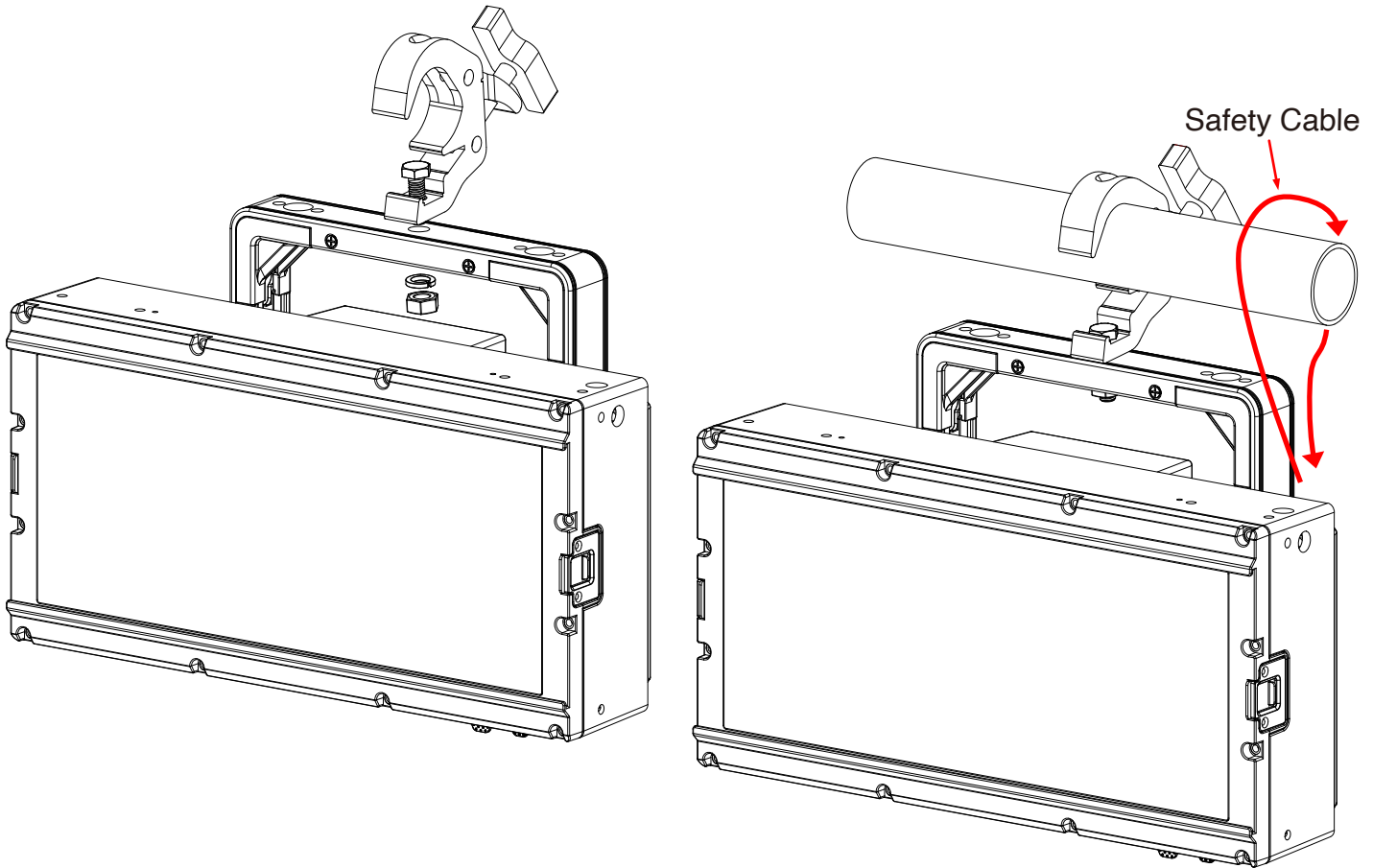
OPERATIONAL BREAKS

It is strongly recommended to power the fixture down completely when not in use. Doing so will reduce wear on the fixture due to sustained or extended operational periods, thereby maximizing the fixture's operational lifespan.

INSTALLATION GUIDELINES

CLAMP INSTALLATION

This fixture features an adjustable bracket for the attachment of a Mounting Clamp (not included). There is also a safety cable attachment point on the rear of the fixture. When mounting the fixture to a truss or any other suspended or overhead installation, be sure to secure appropriately rated clamp (not included) to the yoke, and attach a separate SAFETY CABLE of the appropriate weight rating to the safety cable attachment point.



SAFETY CABLE:



ALWAYS ATTACH A SAFETY CABLE WHENEVER INSTALLING THIS FIXTURE IN A SUSPENDED ENVIRONMENT TO ENSURE THAT THE FIXTURE WILL NOT FALL IF THE CLAMPS FAIL.

OMEGA BRACKETS INSTALLATION

Diagram illustrating the assembly of the Omega Clamp Receiver Holes. The diagram shows the receiver being inserted into the case, the safety cable being attached to the receiver, and the receiver being locked into place.

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

CLAMP INSTALLATION

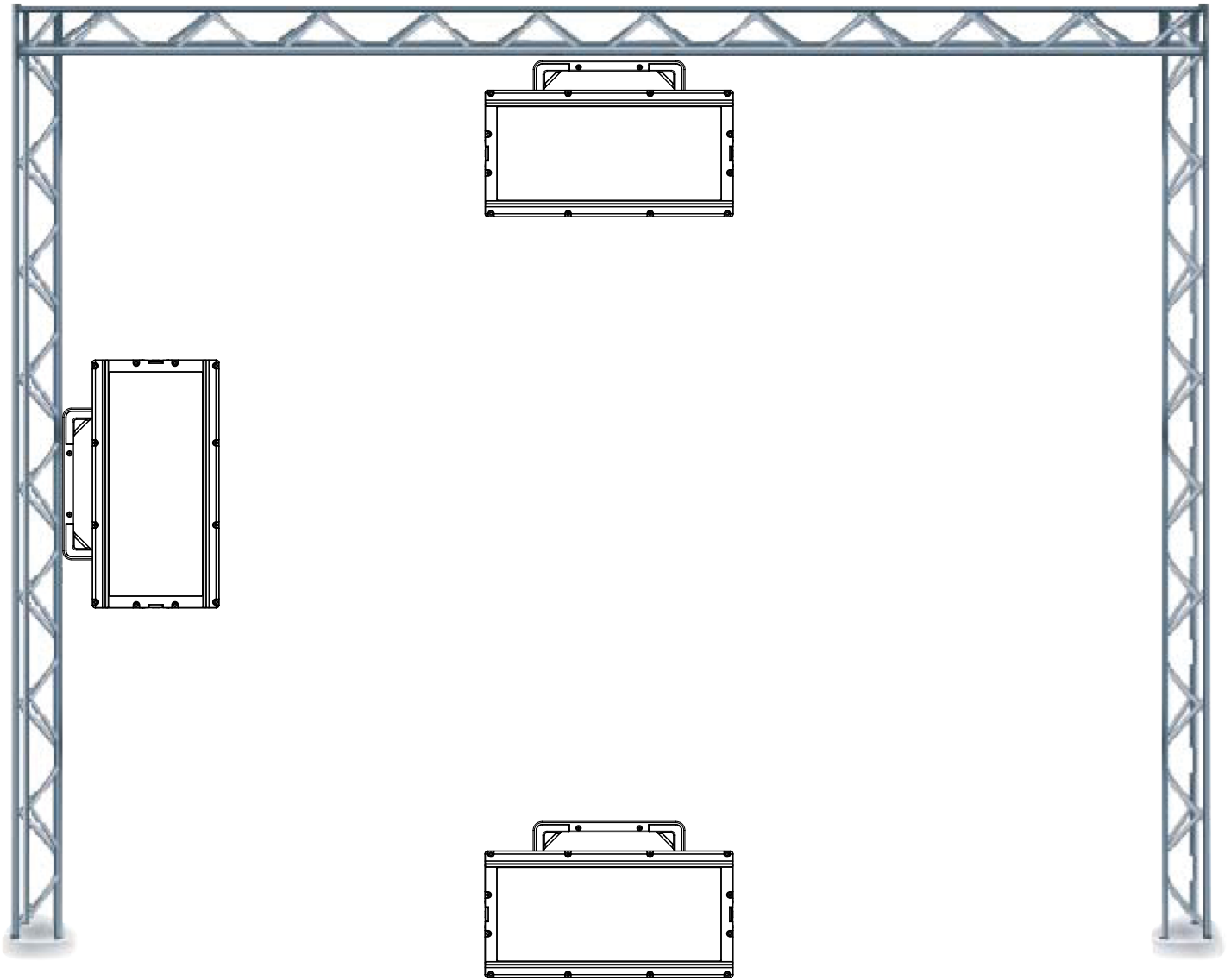
14

INSTALLATION GUIDELINES

RIGGING

Overhead rigging requires extensive experience, including among 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.

This fixture is designed to be mounted vertically (hanging or upright), or horizontally (perpendicular to vertical axis) only.



FALLING FIXTURES CAN CAUSE SEVERE INJURY OR SERIOUS EQUIPMENT DAMAGE! FOR THIS REASON, FIXTURES SHOULD BE INSTALLED AND INSPECTED ONLY BY QUALIFIED PERSONNEL. DO NOT INSTALL THE UNIT IF YOU LACK THE QUALIFICATIONS TO DO SO, OR IF YOU HAVE DOUBTS ABOUT THE SAFETY AND SECURITY OF THE INSTALLATION SETUP OR LOCATION!



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

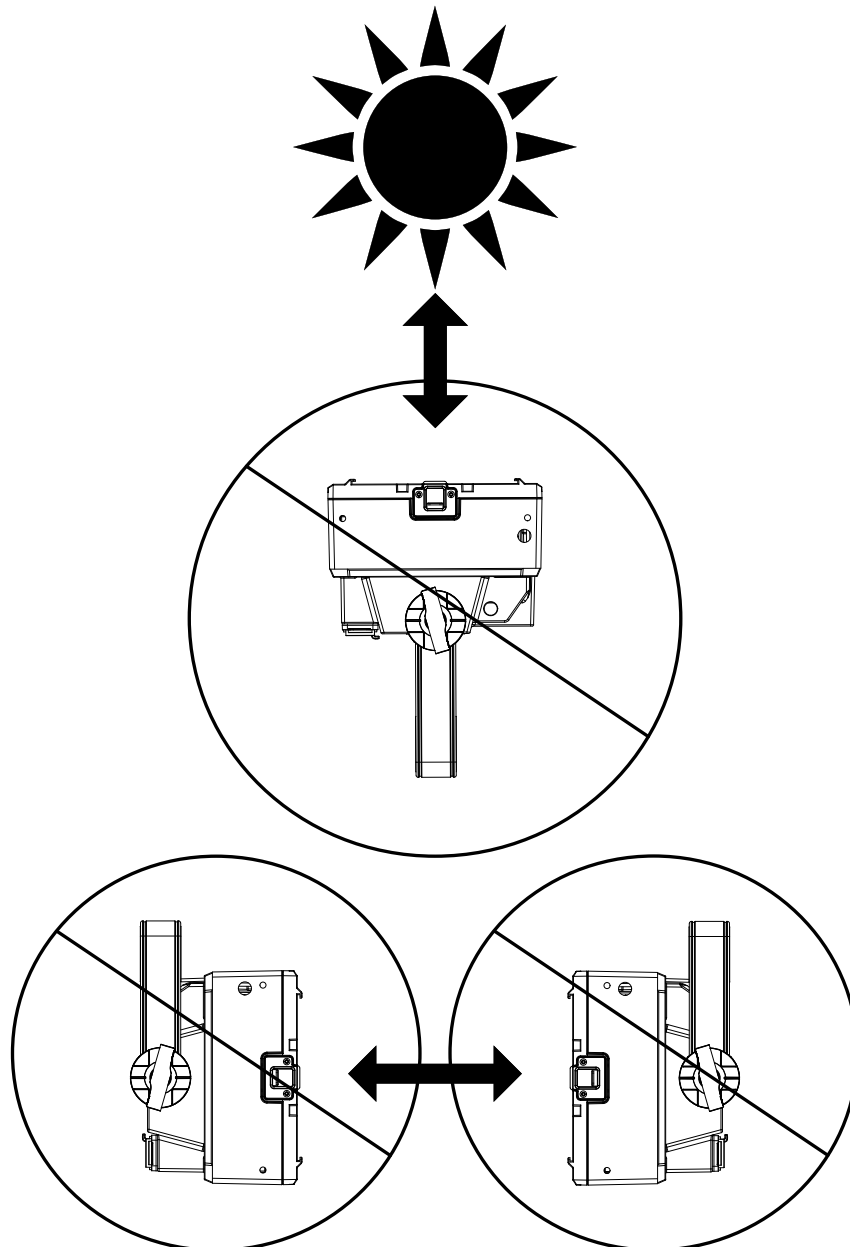
INSTALLATION GUIDELINES

POTENTIAL INTERNAL FIXTURE DAMAGE FROM EXTERNAL SOURCES OF LIGHT BEAMS

External sources of light beams from direct sunlight, lighting and moving head fixtures, and lasers, which are focused directly towards the exterior housing and/or penetrate the front lens opening of ADJ lighting fixtures, can cause severe internal damage including burning of optics, dichroic color filters, glass and metal gobos, prisms, animation wheels, frost filters, iris, shutters, motors, belts, wiring, discharge lamps, and LEDs.

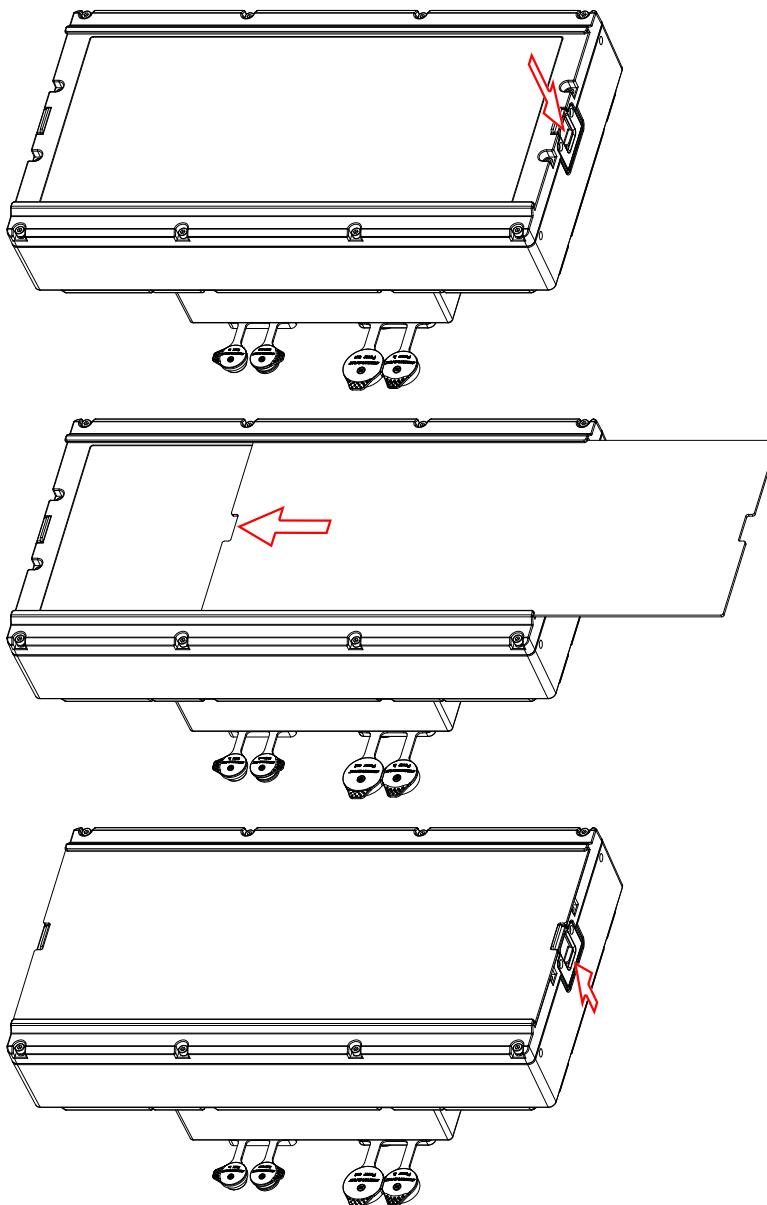
This issue is not specific only to ADJ lighting fixtures, but rather it is a common issue with lighting fixtures from all manufacturers. Although there is no true way to fully prevent this issue from happening, the guidelines below can reduce the risk of potential damage. Contact ADJ Service for more details.

DO NOT EXPOSE THE FIXTURE AND/OR FRONT LENS OPENING TO LIGHT BEAMS FROM DIRECT SUNLIGHT, OTHER LIGHTING OR MOVING HEAD FIXTURES, AND LASERS DURING UNPACKING, INSTALLATION, USE, AND EXTENDED IDLE TIMES OUTDOORS. DO NOT FOCUS A LIGHT BEAM FROM ONE LIGHTING FIXTURE DIRECTLY TOWARDS ANOTHER.



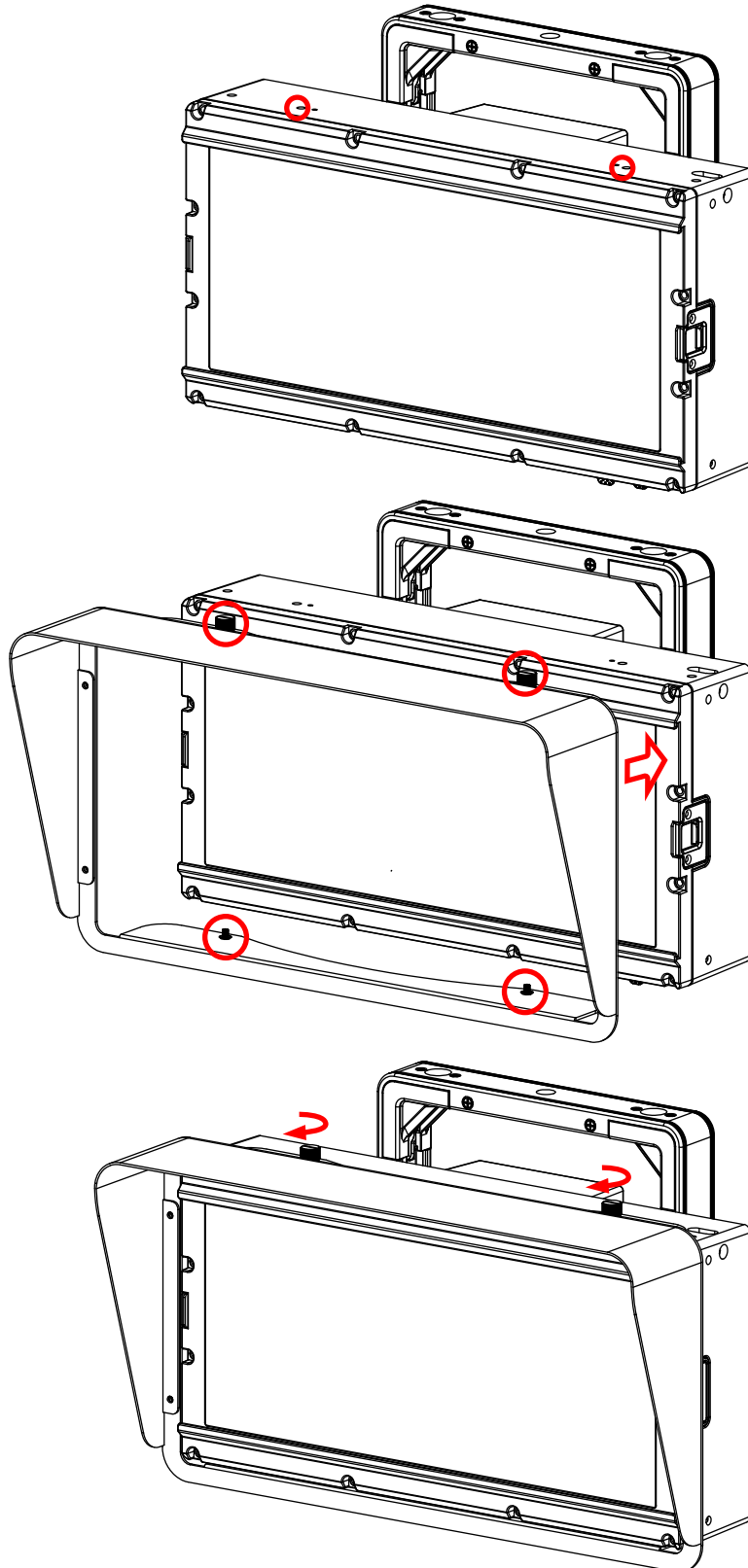
ACCESSORY INSTALLATION: LENS

Locate Lens Lock and press down to unlock it. Carefully slide Lens into the Lens Slots. Once in place, secure the Lens by pressing upwards to relock it.



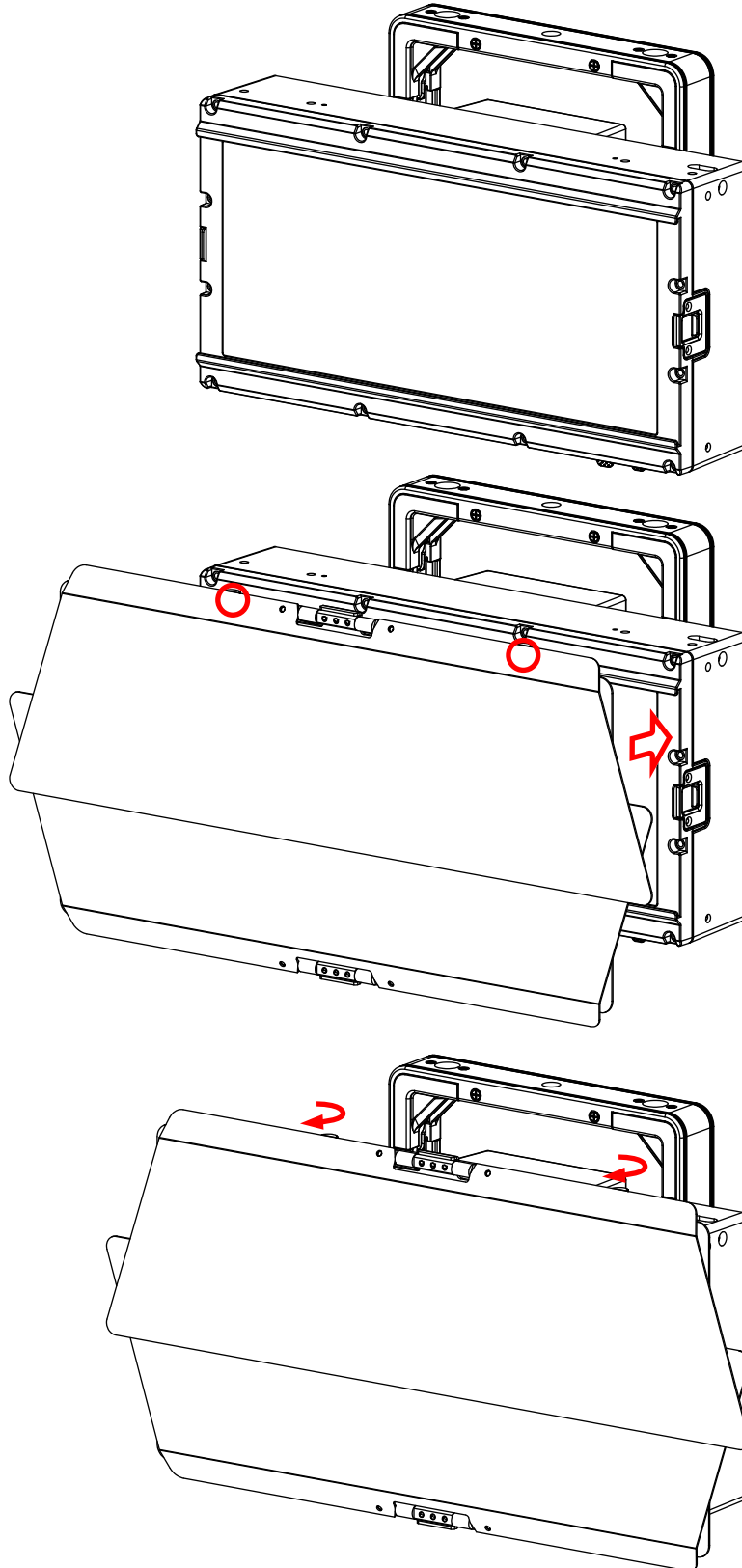
ACCESSORY INSTALLATION: LIGHT SHIELD

To install the Light Shield, position it at the front of the fixture and insert it into the installation frame of the Light Shield. Align the (4x) slotted thumbscrews on the light shield with the corresponding screw holes on the fixture, then tighten them to secure the light shield in place.



ACCESSORY INSTALLATION: BARNDOR

To install the Barndoor, position it at the front of the fixture and insert it inside the frame of the Barndoor. Align the (4x) slotted thumb screws on the barndoor with the corresponding screw holes on the fixture, then tighten them to secure the barndoor in place.



WIRELESS OPERATION

To set up wireless control, follow the steps below:

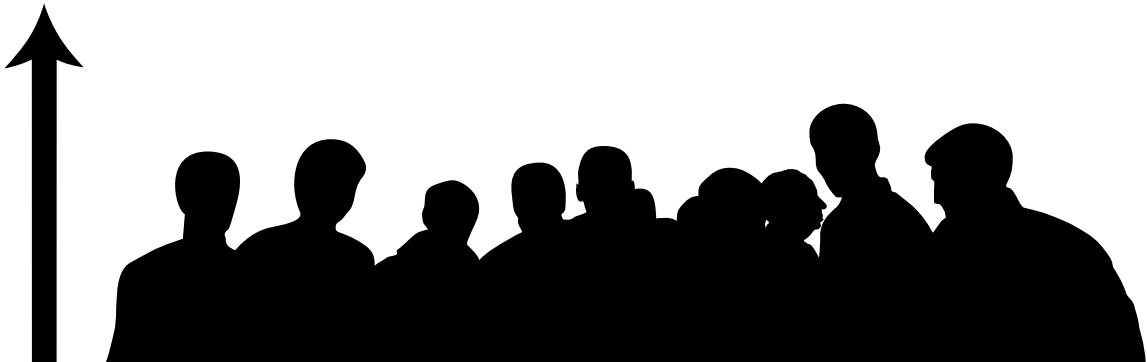
1. Navigate to Personality > Select Signal > Aria.
2. Navigate to Personality > Aria > Aria Enable > Select ON.
3. Navigate to Personality > Aria > Frequency > Choose 2.4GHz, Sub Gig US, or Sub Gig EU.
4. Navigate to Personality > Aria > Select 2.4GHz CH (00–15) or Sub Gig CH (00–9).

Several factors, such as walls, glass, metal objects, and people, can affect or interrupt a wireless signal. To maximize the chances of maintaining a clear path for the wireless signal to reach the device, follow these recommended guidelines:

- Install the device at least 9.8 feet (3 meters) above audiences and/or ground level.
- Position the wireless antenna in an upright, vertical orientation.
- Place devices in a direct line of sight with the transmitting controller.

Careful planning and testing of the chosen installation location are critical to ensure optimal and reliable wireless operation.

**9.8 ft (3m)
Above Ground**



FAN MODES and LOW NOISE OPERATION

The 40 Hex Panel IP is a high-performance fixture suited for multiple applications. For noise critical environments such as Theater, Opera or Orchestra Halls, it offers various fan operation modes which remove any distraction for the audience and performers. Fan Modes can be changed remotely via the DMX control channel, allowing the fixture to offer high output or whisper silent operation at a moment's notice. All Fan Modes smoothly transition over a brief time, preventing unwanted attraction to the fixture.

Auto (Default)—Fans only run at the speeds needed to keep the LED engine within a safe temperature range and ensures optimal performance of the fixture. If possible, they will turn-off, for example, when the fixture is dimmed to a low intensity. Fans sense the ambient and fixture temperature, and will always try to keep noise levels to a minimum. The fixture output will only reduce when the LED engine cannot be cooled down to its safe operating range due to high ambient temperature.

NOTE: Recommended for daily operation.

High—Fan speeds are increased throughout for the most efficient cooling of the fixture. This mode will increase wear on the fans and should only be utilized in exceptional circumstances. Fans will always run, even if the fixture is dimmed down. Fixture output is kept at 100% unless the LED engine temperature reaches an unsafe temperature at which point the fixture will reduce power carefully to ensure continued safe operation. This mode is only required in very high ambient temperatures when automatic fan speed adjustments are not desired.

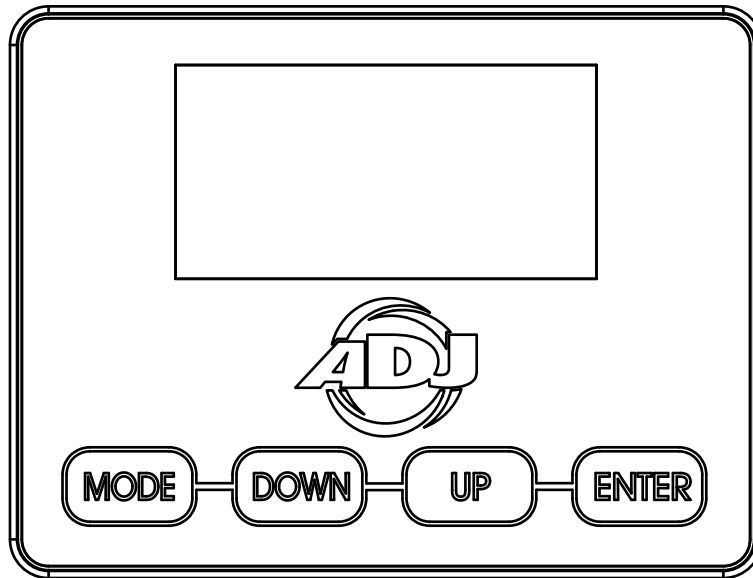
Low Noise Modes

For very critical noise environments, the fixture offers two additional Low Noise Modes for silent operation. The fixture output will be reduced, yet due to the extremely high luminous flux, the fixture still offers outstanding performance. In Low Noise Modes, all parameters of the fixture operate more quietly with reduced fan speeds.

SYSTEM MENU

The fixture includes an easy to navigate system menu control panel display where all necessary settings and adjustments are made.

- **MENU:** Leave current menu and return to previous menu level.
- **UP:** Scroll up in currently displayed menu.
- **DOWN:** Scroll down in currently displayed menu.
- **ENTER:** Select an option or confirm a selection.



This fixture includes a display lock feature which automatically shuts off the display screen after a certain period of inactivity. This feature is **OFF** by default, which means that the display will always remain on regardless of inactivity, but can be configured to kick in after up to 10 minutes of inactivity. See the **System Menu** section of this manual for details on how to configure this setting.

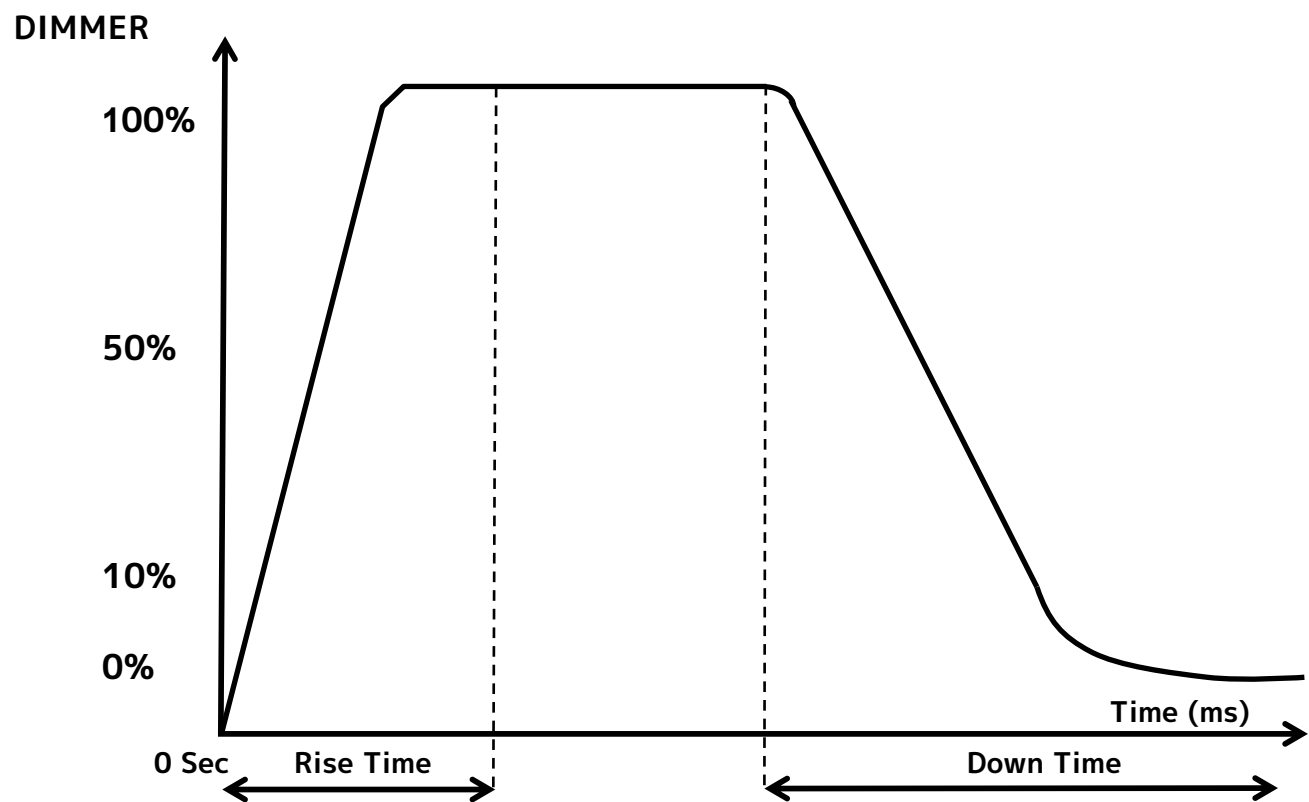
SYSTEM MENU

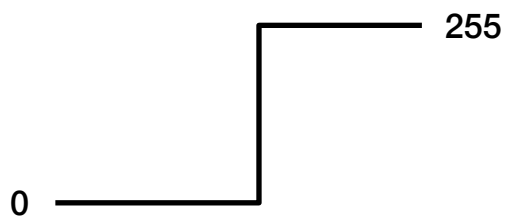
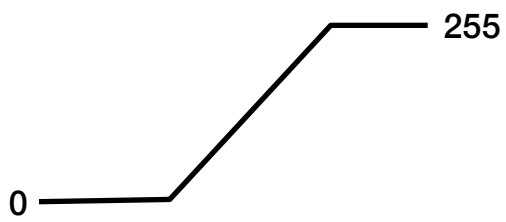
MAIN MENU		OPTIONS / VALUES (Default Settings in BOLD)			
DMX SETTINGS	DMX Address	001-512			
	DMX Channel Mode	6Ch 1G, 12Ch 1G, 15Ch 1G, 16Ch 1G, 24Ch 1G, 12Ch 2G, 20Ch 2G, 24Ch 2G, 27Ch 2G, 29Ch 2G, 36Ch 2G, 30Ch 5G, 40Ch 5G , 60Ch 5G, 63Ch 5G, 68Ch 5G, 72Ch 5G, 60Ch 10G, 70Ch 10G, 120Ch 10G, 123Ch 10G, 128Ch 10G, 132Ch 10G			
	No DMX Status	Hold Last , Blackout, Manual Settings			
PERSONALITY	Prim/Sec Mode	Primary, Secondary			
	Signal	DMX or Aria		Auto/DMX/Aria	
		Aria In / DMX Out		ON / OFF	
	Aria	Aria Enable		ON / OFF	
		Frequency		2.4Ghz. , Sub Gig US, Sub Gig EU	
		2.4Ghz CH		00~15	
		Sub Gig CH		00~09	
		Mesh		ON / OFF	
		Bluetooth Enable		ON / OFF	
		RDM	ON / OFF		
	Fan Settings	Auto , High, Low			
	Dim Modes	Standard , Stage, TV, Architectural, Theatre, Stage 2			
		Dim Speed		0.1 S ~10S	
	Dim Curves	Linear , Square, Square Inverse, S-Curve			
	LED Refresh Rate	900~1500 (1200), 2500, 4000, 5000, 6000, 10KHZ, 15KHZ, 20KHZ, 25KHZ			
	Pixel Flip	OFF / ON			
	Display	Screen Saver Delay		1- 10	
		Screen Lock		OFF - 10 minutes	
		Rotate Display		Yes / No / Auto	
	Temperature Unit	°C / ° F			
	Service	Passcode (050)	Color Balance	Red 1 000-255	
				Green 1 000-255	
				Blue 1 000-255	
				Amber 1 000-255	
				Lime 1 000-255	
				UV 1 000-255	
				...	
				Red 10 000-255	
				Green 10 000-255	
				Blue 10 000-255	
				Amber 10 000-255	
				Lime 10 000-255	
				UV 10 000-255	
				Factory Restore	

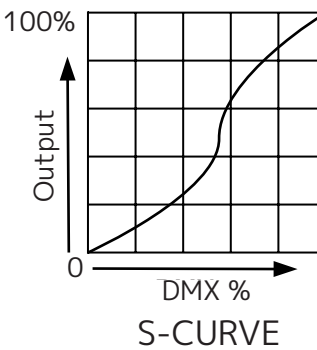
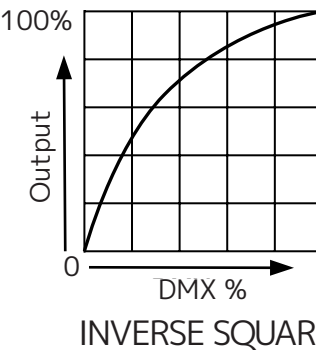
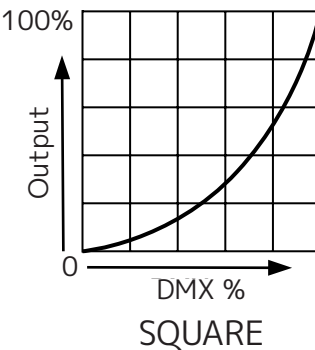
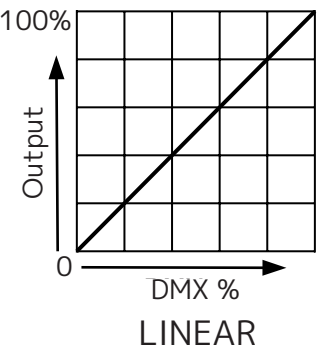
SYSTEM MENU

MAIN MENU		OPTIONS / VALUES (Default Settings in BOLD)	
MANUAL	Red 000-255	000 - 255	
	Green 000-255	000 - 255	
	Blue 000-255	000 - 255	
	Amber 000-255	000 - 255	
	Lime 000-255	000 - 255	
	UV 000-255	000 - 255	
	Red 1 000-255	000 - 255	
	Green 1 000-255	000 - 255	
	Blue 1 000-255	000 - 255	
	Amber 1 000-255	000 - 255	
	Lime 1 000-255	000 - 255	
	UV 1 000-255	000 - 255	
	
	Red 10 000-255	000 - 255	
	Green 10 000-255	000 - 255	
	Blue 10 000-255	000 - 255	
	Amber 10 000-255	000 - 255	
	Lime 10 000-255	000 - 255	
	UV 10 000-255	000 - 255	
	Color Macros	OFF, 0-64	
	Color Temp Linear 000-255	000 - 255	
	Color Temp Preset 000-255	000 - 255	
	Internal Programs	OFF, 0 - 13	
	Internal Program Speed	000 - 255 (128)	
	Internal Program Fade	000 - 255	
	Shutter 000-255	000 - 255	
	Dimmer 000-255	000 - 255	
INFORMATION	Fixture Life Time	Power On Time	xxxxxx Hours
	Fixture Last Run Time	Power On Resettable Time	xxxxxx Hours
		Power On Time Reset	Passcode (038)
	Total LED Hours	xxxxxx Hours	xxxxxx Hours
	Total LED Hours Reset	YES / NO	Passcode (038)
	Fixture Temperatures	xxx °F / xxx °C	
		Max Resettable	xxx °F / xxx °C
		Max Not Resettable	xxx °F / xxx °C
		Reset Current Max Temp.	YES / NO Passcode (050)
	Fan Info.	1U_fan1 RPM	xxxx
		2U_Fan1 RPM etc	xxxx
	DMX Values	Red 1	
		Green 2	
		...	
		Dimmer	
	RDM UID	xxxxxx	
	Aria ID	xx:xx:xx:xx:xx:xx	
	Error Logs	Fixture Errors	List Errors one by one
		Reset Error Log	YES / NO Passcode (050)
	Software Version	x.xx	

DIMMER MODES & CURVES



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
Stage 2	0	1100	0	1660



PRIMARY-SECONDARY SETUP

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

Primary-Secondary Connections and Settings:

1. Daisy chain your units via the XLR connectors on the rear panels 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. The last unit in the chain will use the male XLR connector only.
2. Use the display screen and control panel to navigate to Personality > Prim/Sec Mode. Select this sub-menu using the ENTER button, and use the UP and DOWN buttons to toggle between "Primary" and "Secondary". Press ENTER to confirm your selection.
3. Repeat Step 2 for each unit in the system. Make sure that only one unit is designated as the Primary, while all other units are designated as Secondaries.
4. The secondary units will now follow the behavior of the primary unit.

NOTES:

- Only one unit should be configured as the primary, while all the other units should be configured as secondaries.
- All units should be set to the same DMX channel mode.
- If fixtures fail to sync, verify that all settings mentioned above are the same, then power all devices off, then switch them on again to re-establish the link.

MULTI-UNIT POWER LINKING

This feature allows you to connect the fixtures to one another using the power cable input and output sockets.

The maximum number of units that can be linked in this manner is as follows:

- 2 units @120V
- 4 units @230V

DO NOT EXCEED THIS MAXIMUM NUMBER WHEN POWER LINKING UNITS!

All linked units must be of the same make and model type. Do not mix and match units!

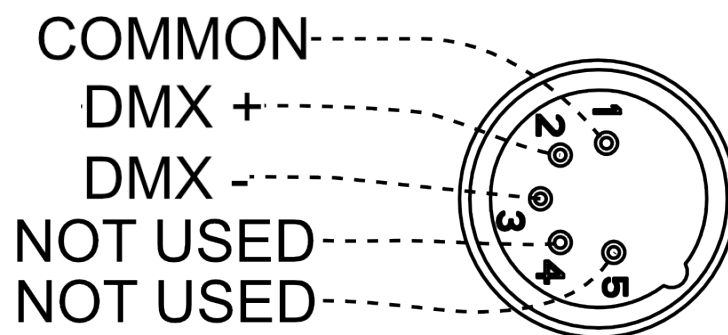
DMX SETUP

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, try to use the shortest cable 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.

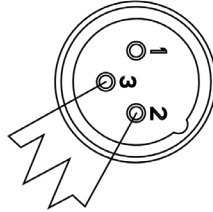
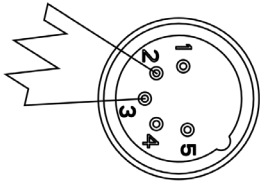
Data Cable (DMX Cable) Requirements (For DMX Operation): This unit can be controlled via DMX-512 protocol. The DMX address is set on the rear panel of the unit. Your unit and your DMX controller require a standard 5-pin XLR connector for data input and data output. We recommend Accu-Cable DMX cables. 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.

Notice: Be sure to follow the illustration below when making your own cables. Do not use the ground lug on the XLR connector. Do not connect the cable’s shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR’s outer casing. Grounding the shield could cause a short circuit and erratic behavior.



DMX SETUP

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 DMX T Pack) will reduce the risk of erratic behavior.



A DMX512 terminator reduces signal errors, avoiding most signal reflection interference. Connect PIN 2 (DMX-) and PIN 3 (DMX+) of the last fixture in series with a 120 Ohm, 1/4 W Resistor to terminate the DMX512.

DMX ADDRESSING.

All fixtures should be given a DMX starting address when using a DMX controller, so 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. The assignment of this starting DMX address is achieved 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 this unit is operating 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.

DMX TRAITS - 1 GROUP

CHANNEL						DMX VALUES	FUNCTION
6Ch	12Ch 1G	15Ch	16Ch	20Ch 1G	24Ch 1G		
1	1	1	1	1	1	0-255	All Red, 0~100%
	2	2		2	2	0-255	All Red Fine 16-Bit
2	3	3	2	3	3	0-255	All Green, 0~100%
	4	4		4	4	0-255	All Green Fine 16-Bit
3	5	5	3	5	5	0-255	All Blue, 0~100%
	6	6		6	6	0-255	All Blue Fine 16-Bit
4	7	7	4	7	7	0-255	All Amber, 0~100%
	8	8		8	8	0-255	All Amber Fine 16-Bit
5	9	9	5	9	9	0-255	All Lime, 0~100%
	10	10		10	10	0-255	All Lime Fine 16-Bit
6	11	11	6	11	11	0-255	All UV, 0~100%
	12	12		12	12	0-255	All UV Fine 16-Bit
						0-255	All Red 1, 0~100%
						0-255	All Red 1 Fine 16-Bit
						0-255	All Green 1, 0~100%
						0-255	All Green 1 Fine 16-Bit
						0-255	All Blue 1, 0~100%
						0-255	All Blue 1 Fine 16-Bit
						0-255	All Amber 1, 0~100%
						0-255	All Amber 1 Fine 16-Bit
						0-255	All Lime 1, 0~100%
						0-255	All Lime 1 Fine 16-Bit
						0-255	All UV 1, 0~100%
						0-255	All UV 1 Fine 16-Bit
						0-255	All Red 2, 0~100%
						0-255	All Red 2 Fine 16-Bit
						0-255	All Green 2, 0~100%
						0-255	All Green 2 Fine 16-Bit
						0-255	All Blue 2, 0~100%
						0-255	All Blue 2 Fine 16-Bit
						0-255	All Amber 2, 0~100%
						0-255	All Amber 2 Fine 16-Bit
						0-255	All Lime 2, 0~100%
						0-255	All Lime 2 Fine 16-Bit
						0-255	All UV 2, 0~100%
						0-255	All UV 2 Fine 16-Bit
...							...
						0-255	All Red 5, 0~100%
						0-255	All Red 5 Fine 16-Bit
						0-255	All Green 5, 0~100%
						0-255	All Green 5 Fine 16-Bit
						0-255	All Blue 5, 0~100%
						0-255	All Blue 5 Fine 16-Bit
						0-255	All Amber 5, 0~100%
						0-255	All Amber 5 Fine 16-Bit
						0-255	All Lime 5, 0~100%
						0-255	All Lime 5 Fine 16-Bit
						0-255	All UV 5, 0~100%
						0-255	All UV 5 Fine 16-Bit
...							...

DMX TRAITS - 1 GROUP

CHANNEL						DMX VALUES	FUNCTION
6Ch	12Ch 1G	15Ch	16Ch	20Ch 1G	24Ch 1G		
						0-255	All Red 10, 0~100%
						0-255	All Red 10 Fine 16-Bit
						0-255	All Green 10, 0~100%
						0-255	All Green 10 Fine 16-Bit
						0-255	All Blue 10, 0~100%
						0-255	All Blue 10 Fine 16-Bit
						0-255	All Amber 10, 0~100%
						0-255	All Amber 10 Fine 16-Bit
						0-255	All Lime 10, 0~100%
						0-255	All Lime 10 Fine 16-Bit
						0-255	All UV 10, 0~100%
						0-255	All UV 10 Fine 16-Bit
			7		13	0-255	Color Macros
			8	13	14	0-255	Color Temp Linear, 0~100%
			9	14	15		Color Temp Presets
						0	No Function
						001-060	2700K
						061-179	3000K
						180-201	3200K
						202-207	4000K
						208-229	4500K
						230-234	5000K
						235-239	5600K
						240-244	6500K
						245-249	8000K
						250-255	10000K
		13	10	15	16		Shutter, Strobe
						000-005	LEDs Off
						006-010	Open
						011-080	Strobe effect slow to fast
						081-120	Random strobe effect slow to fast
						121-160	Zone strobe Random, slow to fast
						161-170	Ramp Up Pulse, slow to fast
						171-180	Ramp Down Pulse, slow to fast
						181-190	Ramp Ramp Pulse, slow to fast
						191-200	Random Ramp Up Pulse, slow to fast
						201-210	Ramp Ramp Down Pulse, slow to fast
						211-220	Random Ramp Ramp Pulse, slow to fast
						221-230	Jackhammer Strobe, slow to fast
						231-240	Random Jackhammer, slow to fast
						241-250	Zone Random Jackhammer, slow to fast
		14	11	16	17	0-255	Dimmer (Intensity), Intensity 0 to 100%
		15	12	17	18	0-255	Dimmer Fine (Intensity)

DMX TRAITS - 1 GROUP

CHANNEL						DMX VALUES	FUNCTION
6Ch	12Ch 1G	15Ch	16Ch	20Ch 1G	24Ch 1G		
			13		19		Internal Programs:
						000-010	Off
						011-026	Program 1
						027-043	Program 2
						044-060	Program 3
						061-076	Program 4
						077-093	Program 5
						094-110	Program 6
						111-126	Program 7
						127-143	Program 8
						144-160	Program 9
						161-176	Program 10
						177-193	Program 11
						194-210	Program 12
						211-226	Program 13
						277-255	Program 0
			14		20	0-255	Internal Programs Speed: Slow to Fast
			15		21	0-255	Internal Programs Fade: Min. to Max.
				18	22		Dim Mode
						0-20	Default to Unit Setting
						21-40	Standard
						41-60	Stage
						61-80	TV
						81-100	Architectural
						101-120	Theatre
						121-140	Stage 2
							Dim Speed
						141	0.1 s
						142	0.2 s
						143	0.3 s
						144	0.4 s
						145	0.5 s
						146	0.6 s
						147	0.7 s
						148	0.8 s
						149	0.9 s
						150	1 s
						151	1.5 s
						152	2 s
						153	3 s
						154	4 s
						155	5 s
						156	6 s
						157	7 s
						158	8 s
						159	9 s
						160	10 s
						161-255	Default to Unit Setting
				19	23		Dim Curves
						0-20	Square
						21-40	Linear
						41-60	Inv. Squa
						61-80	S. Curve
						81-255	No Function

DMX TRAITS - 1 GROUP

CHANNEL						DMX VALUES	FUNCTION
6Ch	12Ch 1G	15Ch	16Ch	20Ch 1G	24Ch 1G		
			16	20	24		Special Functions
						0-15	Default to Unit Setting
						16-30	900HZ
						31-45	1000HZ
						46-60	1100HZ
						61-75	1200HZ
						76-90	1300HZ
						91-105	1400HZ
						106-120	1500HZ
						121-135	2500HZ
						136-150	4000HZ
						151-165	5000HZ
						166-180	6000HZ
						181-195	10000KHZ
						196-210	15000KHZ
						211-225	20000KHZ
						226-229	25000KHZ
						230-233	Enable Bluetooth (Hold 3s)
						234-238	Disable Bluetooth (Hold 3s)
						239-243	Enable Pixel Flip Hold 3s)
						244-248	Disable Pixel Flip (Hold 3s)
						249-251	Enable Zone Strobing (Hold 3s)
						252-255	Disable Zone Strobing (Hold 3s)

DMX TRAITS - 2 GROUPS

CHANNEL						DMX VALUES	FUNCTION
12Ch 2G	20Ch 2G	24Ch 2G	27Ch	29Ch	36Ch		
						0-255	All Red, 0~100%
						0-255	All Red Fine 16-Bit
						0-255	All Green, 0~100%
						0-255	All Green Fine 16-Bit
						0-255	All Blue, 0~100%
						0-255	All Blue Fine 16-Bit
						0-255	All Amber, 0~100%
						0-255	All Amber Fine 16-Bit
						0-255	All Lime, 0~100%
						0-255	All Lime Fine 16-Bit
						0-255	All UV, 0~100%
						0-255	All UV Fine 16-Bit
1	1	1	1	1	1	0-255	All Red 1, 0~100%
		2	2	2	2	0-255	All Red 1 Fine 16-Bit
2	2	3	3	3	3	0-255	All Green 1, 0~100%
		4	4	4	4	0-255	All Green 1 Fine 16-Bit
3	3	5	5	5	5	0-255	All Blue 1, 0~100%
		6	6	6	6	0-255	All Blue 1 Fine 16-Bit
4	4	7	7	7	7	0-255	All Amber 1, 0~100%
		8	8	8	8	0-255	All Amber 1 Fine 16-Bit
5	5	9	9	9	9	0-255	All Lime 1, 0~100%
		10	10	10	10	0-255	All Lime 1 Fine 16-Bit
6	6	11	11	11	11	0-255	All UV 1, 0~100%
		12	12	12	12	0-255	All UV 1 Fine 16-Bit
7	7	3	3	3	3	0-255	All Red 2, 0~100%
		14	14	14	14	0-255	All Red 2 Fine 16-Bit
8	8	15	15	15	15	0-255	All Green 2, 0~100%
		16	16	16	16	0-255	All Green 2 Fine 16-Bit
9	9	17	17	17	17	0-255	All Blue 2, 0~100%
		18	18	18	18	0-255	All Blue 2 Fine 16-Bit
10	10	19	19	19	19	0-255	All Amber 2, 0~100%
		20	20	20	20	0-255	All Amber 2 Fine 16-Bit
11	11	21	21	21	21	0-255	All Lime 2, 0~100%
		22	22	22	22	0-255	All Lime 2 Fine 16-Bit
12	12	23	23	23	23	0-255	All UV 2, 0~100%
		24	24	24	24	0-255	All UV 2 Fine 16-Bit
...							...
						0-255	All Red 5, 0~100%
						0-255	All Red 5 Fine 16-Bit
						0-255	All Green 5, 0~100%
						0-255	All Green 5 Fine 16-Bit
						0-255	All Blue 5, 0~100%
						0-255	All Blue 5 Fine 16-Bit
						0-255	All Amber 5, 0~100%
						0-255	All Amber 5 Fine 16-Bit
						0-255	All Lime 5, 0~100%
						0-255	All Lime 5 Fine 16-Bit
						0-255	All UV 5, 0~100%
						0-255	All UV 5 Fine 16-Bit
...							...

DMX TRAITS - 2 GROUPS

CHANNEL						DMX VALUES	FUNCTION
12Ch 2G	20Ch 2G	24Ch 2G	27Ch	29Ch	36Ch		
						0-255	All Red 10, 0~100%
						0-255	All Red 10 Fine 16-Bit
						0-255	All Green 10, 0~100%
						0-255	All Green 10 Fine 16-Bit
						0-255	All Blue 10, 0~100%
						0-255	All Blue 10 Fine 16-Bit
						0-255	All Amber 10, 0~100%
						0-255	All Amber 10 Fine 16-Bit
						0-255	All Lime 10, 0~100%
						0-255	All Lime 10 Fine 16-Bit
						0-255	All UV 10, 0~100%
						0-255	All UV 10 Fine 16-Bit
	13				25	0-255	Color Macros
	14			25	26	0-255	Color Temp Linear, 0~100%
	15			26	27		Color Temp Presets
						0	No Function
						001-060	2700K
						061-179	3000K
						180-201	3200K
						202-207	4000K
						208-229	4500K
						230-234	5000K
						235-239	5600K
						240-244	6500K
						245-249	8000K
						250-255	10000K
	16		25	27	28		Shutter, Strobe
						000-005	LEDs Off
						006-010	Open
						011-080	Strobe effect slow to fast
						081-120	Random strobe effect slow to fast
						121-160	Zone strobe Random, slow to fast
						161-170	Ramp Up Pulse, slow to fast
						171-180	Ramp Down Pulse, slow to fast
						181-190	Ramp Ramp Pulse, slow to fast
						191-200	Random Ramp Up Pulse, slow to fast
						201-210	Ramp Ramp Down Pulse, slow to fast
						211-220	Random Ramp Ramp Pulse, slow to fast
						221-230	Jackhammer Strobe, slow to fast
						231-240	Random Jackhammer, slow to fast
						241-250	Zone Random Jackhammer, slow to fast
	17		26	28	29	0-255	Dimmer (Intensity), Intensity 0 to 100%
	18		27	29	30	0-255	Dimmer Fine (Intensity)

DMX TRAITS - 2 GROUPS

CHANNEL						DMX VALUES	FUNCTION
12Ch 2G	20Ch 2G	24Ch 2G	27Ch	29Ch	36Ch		
					31		Internal Programs:
						000-010	Off
						011-026	Program 1
						027-043	Program 2
						044-060	Program 3
						061-076	Program 4
						077-093	Program 5
						094-110	Program 6
						111-126	Program 7
						127-143	Program 8
						144-160	Program 9
						161-176	Program 10
						177-193	Program 11
						194-210	Program 12
						211-226	Program 13
						277-255	Program 0
					32	0-255	Internal Programs Speed: Slow to Fast
					33	0-255	Internal Programs Fade: Min. to Max.
					34		Dim Mode
						0-20	Default to Unit Setting
						21-40	Standard
						41-60	Stage
						61-80	TV
						81-100	Architectural
						101-120	Theatre
						121-140	Stage 2
							Dim Speed
						141	0.1 s
						142	0.2 s
						143	0.3 s
						144	0.4 s
						145	0.5 s
						146	0.6 s
						147	0.7 s
						148	0.8 s
						149	0.9 s
						150	1 s
						151	1.5 s
						152	2 s
						153	3 s
						154	4 s
						155	5 s
						156	6 s
						157	7 s
						158	8 s
						159	9 s
						160	10 s
						161-255	Default to Unit Setting
					35		Dim Curves
						0-20	Square
						21-40	Linear
						41-60	Inv. Squa
						61-80	S. Curve
						81-255	No Function

DMX TRAITS - 2 GROUPS

CHANNEL						DMX VALUES	FUNCTION
12Ch 2G	20Ch 2G	24Ch 2G	27Ch	29Ch	36Ch		
							Special Functions
						0-15	Default to Unit Setting
						16-30	900HZ
						31-45	1000HZ
						46-60	1100HZ
						61-75	1200HZ
						76-90	1300HZ
						91-105	1400HZ
						106-120	1500HZ
						121-135	2500HZ
						136-150	4000HZ
					36	151-165	5000HZ
						166-180	6000HZ
						181-195	10000KHZ
						196-210	15000KHZ
						211-225	20000KHZ
						226-229	25000KHZ
						230-233	Enable Bluetooth (Hold 3s)
						234-238	Disable Bluetooth (Hold 3s)
						239-243	Enable Pixel Flip Hold 3s)
						244-248	Disable Pixel Flip (Hold 3s)
						249-251	Enable Zone Strobing (Hold 3s)
						252-255	Disable Zone Strobing (Hold 3s)

DMX TRAITS - 5 GROUPS

CHANNEL						DMX VALUES	FUNCTION
30Ch	40Ch	60Ch 5G	63Ch	68Ch	72Ch		
						0-255	All Red, 0~100%
						0-255	All Red Fine 16-Bit
						0-255	All Green, 0~100%
						0-255	All Green Fine 16-Bit
						0-255	All Blue, 0~100%
						0-255	All Blue Fine 16-Bit
						0-255	All Amber, 0~100%
						0-255	All Amber Fine 16-Bit
						0-255	All Lime, 0~100%
						0-255	All Lime Fine 16-Bit
						0-255	All UV, 0~100%
						0-255	All UV Fine 16-Bit
1	1	1	1	1	1	0-255	All Red 1, 0~100%
		2	2	2	2	0-255	All Red 1 Fine 16-Bit
2	2	3	3	3	3	0-255	All Green 1, 0~100%
		4	4	4	4	0-255	All Green 1 Fine 16-Bit
3	3	5	5	5	5	0-255	All Blue 1, 0~100%
		6	6	6	6	0-255	All Blue 1 Fine 16-Bit
4	4	7	7	7	7	0-255	All Amber 1, 0~100%
		8	8	8	8	0-255	All Amber 1 Fine 16-Bit
5	5	9	9	9	9	0-255	All Lime 1, 0~100%
		10	10	10	10	0-255	All Lime 1 Fine 16-Bit
6	6	11	11	11	11	0-255	All UV 1, 0~100%
		12	12	12	12	0-255	All UV 1 Fine 16-Bit
7	7	3	3	3	3	0-255	All Red 2, 0~100%
		14	14	14	14	0-255	All Red 2 Fine 16-Bit
8	8	15	15	15	15	0-255	All Green 2, 0~100%
		16	16	16	16	0-255	All Green 2 Fine 16-Bit
9	9	17	17	17	17	0-255	All Blue 2, 0~100%
		18	18	18	18	0-255	All Blue 2 Fine 16-Bit
10	10	19	19	19	19	0-255	All Amber 2, 0~100%
		20	20	20	20	0-255	All Amber 2 Fine 16-Bit
11	11	21	21	21	21	0-255	All Lime 2, 0~100%
		22	22	22	22	0-255	All Lime 2 Fine 16-Bit
12	12	23	23	23	23	0-255	All UV 2, 0~100%
		24	24	24	24	0-255	All UV 2 Fine 16-Bit
						...	
25	25	49	49	49	49	0-255	All Red 5, 0~100%
		50	50	50	50	0-255	All Red 5 Fine 16-Bit
26	26	51	51	51	51	0-255	All Green 5, 0~100%
		52	52	52	52	0-255	All Green 5 Fine 16-Bit
27	27	53	53	53	53	0-255	All Blue 5, 0~100%
		54	54	54	54	0-255	All Blue 5 Fine 16-Bit
28	28	55	55	55	55	0-255	All Amber 5, 0~100%
		56	56	56	56	0-255	All Amber 5 Fine 16-Bit
29	29	57	57	57	57	0-255	All Lime 5, 0~100%
		58	58	58	58	0-255	All Lime 5 Fine 16-Bit
30	30	59	59	59	59	0-255	All UV 5, 0~100%
		60	60	60	60	0-255	All UV 5 Fine 16-Bit
...						...	

DMX TRAITS - 5 GROUPS

CHANNEL						DMX VALUES	FUNCTION
30Ch	40Ch	60Ch 5G	63Ch	68Ch	72Ch		
						0-255	All Red 10 , 0~100%
						0-255	All Red 10 Fine 16-Bit
						0-255	All Green 10 , 0~100%
						0-255	All Green 10 Fine 16-Bit
						0-255	All Blue 10 , 0~100%
						0-255	All Blue 10 Fine 16-Bit
						0-255	All Amber 10 , 0~100%
						0-255	All Amber 10 Fine 16-Bit
						0-255	All Lime 10 , 0~100%
						0-255	All Lime 10 Fine 16-Bit
						0-255	All UV 10 , 0~100%
						0-255	All UV 10 Fine 16-Bit
	31				61	0-255	Color Macros
	32			61	62	0-255	Color Temp Linear , 0~100%
	33			62	63		Color Temp Presets
						0	No Function
						001-060	2700K
						061-179	3000K
						180-201	3200K
						202-207	4000K
						208-229	4500K
						230-234	5000K
						235-239	5600K
						240-244	6500K
						245-249	8000K
						250-255	10000K
	34		61	63	64		Shutter, Strobe
						000-005	LEDs Off
						006-010	Open
						011-080	Strobe effect slow to fast
						081-120	Random strobe effect slow to fast
						121-160	Zone strobe Random, slow to fast
						161-170	Ramp Up Pulse, slow to fast
						171-180	Ramp Down Pulse, slow to fast
						181-190	Ramp Ramp Pulse, slow to fast
						191-200	Random Ramp Up Pulse, slow to fast
						201-210	Ramp Ramp Down Pulse, slow to fast
						211-220	Random Ramp Ramp Pulse, slow to fast
						221-230	Jackhammer Strobe, slow to fast
						231-240	Random Jackhammer, slow to fast
						241-250	Zone Random Jackhammer, slow to fast
						251-255	Open
	35		62	64	65	0-255	Dimmer (Intensity) , Intensity 0 to 100%
	36		63	65	66	0-255	Dimmer Fine (Intensity)

DMX TRAITS - 5 GROUPS

CHANNEL						DMX VALUES	FUNCTION
30Ch	40Ch	60Ch 5G	63Ch	68Ch	72Ch		
37					67		Internal Programs:
						000-010	Off
						011-026	Program 1
						027-043	Program 2
						044-060	Program 3
						061-076	Program 4
						077-093	Program 5
						094-110	Program 6
						111-126	Program 7
						127-143	Program 8
						144-160	Program 9
						161-176	Program 10
						177-193	Program 11
						194-210	Program 12
						211-226	Program 13
						277-255	Program 0
	38				68	0-255	Internal Programs Speed: Slow to Fast
	39				69	0-255	Internal Programs Fade: Min. to Max.
				66	70		Dim Mode
						0-20	Default to Unit Setting
						21-40	Standard
						41-60	Stage
						61-80	TV
						81-100	Architectural
						101-120	Theatre
						121-140	Stage 2
							Dim Speed
						141	0.1 s
						142	0.2 s
						143	0.3 s
						144	0.4 s
						145	0.5 s
						146	0.6 s
						147	0.7 s
						148	0.8 s
						149	0.9 s
						150	1 s
						151	1.5 s
						152	2 s
						153	3 s
						154	4 s
						155	5 s
						156	6 s
						157	7 s
						158	8 s
						159	9 s
						160	10 s
						161-255	Default to Unit Setting
				67	71		Dim Curves
						0-20	Square
						21-40	Linear
						41-60	Inv. Squa
						61-80	S. Curve
						81-255	No Function

DMX TRAITS - 5 GROUPS

CHANNEL						DMX VALUES	FUNCTION
30Ch	40Ch	60Ch 5G	63Ch	68Ch	72Ch		
	40			68	72		Special Functions
						0-15	Default to Unit Setting
						16-30	900HZ
						31-45	1000HZ
						46-60	1100HZ
						61-75	1200HZ
						76-90	1300HZ
						91-105	1400HZ
						106-120	1500HZ
						121-135	2500HZ
						136-150	4000HZ
						151-165	5000HZ
						166-180	6000HZ
						181-195	10000KHZ
						196-210	15000KHZ
						211-225	20000KHZ
						226-229	25000KHZ
						230-233	Enable Bluetooth (Hold 3s)
						234-238	Disable Bluetooth (Hold 3s)
						239-243	Enable Pixel Flip Hold 3s)
						244-248	Disable Pixel Flip (Hold 3s)
						249-251	Enable Zone Strobing (Hold 3s)
						252-255	Disable Zone Strobing (Hold 3s)

DMX TRAITS - 10 GROUPS

CHANNEL						DMX VALUES	FUNCTION
60Ch 10G	70Ch	120Ch	123Ch	128Ch	132Ch		
						0-255	All Red, 0~100%
						0-255	All Red Fine 16-Bit
						0-255	All Green, 0~100%
						0-255	All Green Fine 16-Bit
						0-255	All Blue, 0~100%
						0-255	All Blue Fine 16-Bit
						0-255	All Amber, 0~100%
						0-255	All Amber Fine 16-Bit
						0-255	All Lime, 0~100%
						0-255	All Lime Fine 16-Bit
						0-255	All UV, 0~100%
						0-255	All UV Fine 16-Bit
1	1	1	1	1	1	0-255	All Red 1, 0~100%
		2	2	2	2	0-255	All Red 1 Fine 16-Bit
2	2	3	3	3	3	0-255	All Green 1, 0~100%
		4	4	4	4	0-255	All Green 1 Fine 16-Bit
3	3	5	5	5	5	0-255	All Blue 1, 0~100%
		6	6	6	6	0-255	All Blue 1 Fine 16-Bit
4	4	7	7	7	7	0-255	All Amber 1, 0~100%
		8	8	8	8	0-255	All Amber 1 Fine 16-Bit
5	5	9	9	9	9	0-255	All Lime 1, 0~100%
		10	10	10	10	0-255	All Lime 1 Fine 16-Bit
6	6	11	11	11	11	0-255	All UV 1, 0~100%
		12	12	12	12	0-255	All UV 1 Fine 16-Bit
7	7	3	3	3	3	0-255	All Red 2, 0~100%
		14	14	14	14	0-255	All Red 2 Fine 16-Bit
8	8	15	15	15	15	0-255	All Green 2, 0~100%
		16	16	16	16	0-255	All Green 2 Fine 16-Bit
9	9	17	17	17	17	0-255	All Blue 2, 0~100%
		18	18	18	18	0-255	All Blue 2 Fine 16-Bit
10	10	19	19	19	19	0-255	All Amber 2, 0~100%
		20	20	20	20	0-255	All Amber 2 Fine 16-Bit
11	11	21	21	21	21	0-255	All Lime 2, 0~100%
		22	22	22	22	0-255	All Lime 2 Fine 16-Bit
12	12	23	23	23	23	0-255	All UV 2, 0~100%
		24	24	24	24	0-255	All UV 2 Fine 16-Bit
...						...	
25	25	49	49	49	49	0-255	All Red 5, 0~100%
		50	50	50	50	0-255	All Red 5 Fine 16-Bit
26	26	51	51	51	51	0-255	All Green 5, 0~100%
		52	52	52	52	0-255	All Green 5 Fine 16-Bit
27	27	53	53	53	53	0-255	All Blue 5, 0~100%
		54	54	54	54	0-255	All Blue 5 Fine 16-Bit
28	28	55	55	55	55	0-255	All Amber 5, 0~100%
		56	56	56	56	0-255	All Amber 5 Fine 16-Bit
29	29	57	57	57	57	0-255	All Lime 5, 0~100%
		58	58	58	58	0-255	All Lime 5 Fine 16-Bit
30	30	59	59	59	59	0-255	All UV 5, 0~100%
		60	60	60	60	0-255	All UV 5 Fine 16-Bit
...						...	

DMX TRAITS - 10 GROUPS

CHANNEL						DMX VALUES	FUNCTION
60Ch 10G	70Ch	120Ch	123Ch	128Ch	132Ch		
55	55	109	109	109	109	0-255	All Red 10, 0~100%
		110	110	110	110	0-255	All Red 10 Fine 16-Bit
56	56	111	111	111	111	0-255	All Green 10, 0~100%
		112	112	112	112	0-255	All Green 10 Fine 16-Bit
57	57	113	113	113	113	0-255	All Blue 10, 0~100%
		114	114	114	114	0-255	All Blue 10 Fine 16-Bit
58	58	115	115	115	115	0-255	All Amber 10, 0~100%
		116	116	116	116	0-255	All Amber 10 Fine 16-Bit
59	59	117	117	117	117	0-255	All Lime 10, 0~100%
		118	118	118	118	0-255	All Lime 10 Fine 16-Bit
60	60	119	119	119	119	0-255	All UV 10, 0~100%
		120	120	120	120	0-255	All UV 10 Fine 16-Bit
	61				121	0-255	Color Macros
	62			121	22	0-255	Color Temp Linear, 0~100%
	63			122	123		Color Temp Presets
						0	No Function
						001-060	2700K
						061-179	3000K
						180-201	3200K
						202-207	4000K
						208-229	4500K
						230-234	5000K
						235-239	5600K
						240-244	6500K
						245-249	8000K
						250-255	10000K
	64		121	123	124		Shutter, Strobe
						000-005	LEDs Off
						006-010	Open
						011-080	Strobe effect slow to fast
						081-120	Random strobe effect slow to fast
						121-160	Zone strobe Random, slow to fast
						161-170	Ramp Up Pulse, slow to fast
						171-180	Ramp Down Pulse, slow to fast
						181-190	Ramp Ramp Pulse, slow to fast
						191-200	Random Ramp Up Pulse, slow to fast
						201-210	Ramp Ramp Down Pulse, slow to fast
						211-220	Random Ramp Ramp Pulse, slow to fast
						221-230	Jackhammer Strobe, slow to fast
						231-240	Random Jackhammer, slow to fast
						241-250	Zone Random Jackhammer, slow to fast
	65		122	124	125	0-255	Dimmer (Intensity), Intensity 0 to 100%
	66		123	125	126	0-255	Dimmer Fine (Intensity)

DMX TRAITS - 10 GROUPS

CHANNEL						DMX VALUES	FUNCTION
60Ch 10G	70Ch	120Ch	123Ch	128Ch	132Ch		
67					127		Internal Programs:
						000-010	Off
						011-026	Program 1
						027-043	Program 2
						044-060	Program 3
						061-076	Program 4
						077-093	Program 5
						094-110	Program 6
						111-126	Program 7
						127-143	Program 8
						144-160	Program 9
						161-176	Program 10
						177-193	Program 11
						194-210	Program 12
						211-226	Program 13
						277-255	Program 0
	68				128	0-255	Internal Programs Speed: Slow to Fast
	69				129	0-255	Internal Programs Fade: Min. to Max.
				126	130		Dim Mode
						0-20	Default to Unit Setting
						21-40	Standard
						41-60	Stage
						61-80	TV
						81-100	Architectural
						101-120	Theatre
						121-140	Stage 2
							Dim Speed
						141	0.1 s
						142	0.2 s
						143	0.3 s
						144	0.4 s
						145	0.5 s
						146	0.6 s
						147	0.7 s
						148	0.8 s
						149	0.9 s
						150	1 s
						151	1.5 s
						152	2 s
						153	3 s
						154	4 s
						155	5 s
						156	6 s
						157	7 s
						158	8 s
						159	9 s
						160	10 s
						161-255	Default to Unit Setting
				127	131		Dim Curves
						0-20	Square
						21-40	Linear
						41-60	Inv. Squa
						61-80	S. Curve
						81-255	No Function

DMX TRAITS - 10 GROUPS

CHANNEL						DMX VALUES	FUNCTION
60Ch 10G	70Ch	120Ch	123Ch	128Ch	132Ch		
	70			128	132		Special Functions
						0-15	Default to Unit Setting
						16-30	900HZ
						31-45	1000HZ
						46-60	1100HZ
						61-75	1200HZ
						76-90	1300HZ
						91-105	1400HZ
						106-120	1500HZ
						121-135	2500HZ
						136-150	4000HZ
						151-165	5000HZ
						166-180	6000HZ
						181-195	10000KHZ
						196-210	15000KHZ
						211-225	20000KHZ
						226-229	25000KHZ
						230-233	Enable Bluetooth (Hold 3s)
						234-238	Disable Bluetooth (Hold 3s)
						239-243	Enable Pixel Flip Hold 3s)
						244-248	Disable Pixel Flip (Hold 3s)
						249-251	Enable Zone Strobing (Hold 3s)
						252-255	Disable Zone Strobing (Hold 3s)

COLOR MACROS

VALUE	DMX VALUE	RED	GREEN	BLUE	AMBER	LIME	UV
Off	0	0	0	0	0	0	0
Color Macro 1	1-4	80	255	234	80	0	0
Color Macro 2	5-8	80	255	164	80	0	0
Color Macro 3	9-12	77	255	112	77	0	0
Color Macro 4	13-16	117	255	83	83	0	0
Color Macro 5	17-20	160	255	77	77	0	0
Color Macro 6	21-24	223	255	83	83	0	0
Color Macro 7	25-28	255	243	77	77	0	0
Color Macro 8	29-32	255	200	74	74	0	0
Color Macro 9	33-36	255	166	77	77	0	0
Color Macro 10	37-40	255	125	74	74	0	0
Color Macro 11	41-44	255	97	77	74	0	0
Color Macro 12	45-48	255	71	77	71	0	0
Color Macro 13	49-52	255	83	134	83	0	0
Color Macro 14	53-56	255	93	182	93	0	0
Color Macro 15	57-60	255	96	236	96	0	0
Color Macro 16	61-64	238	93	255	93	0	0
Color Macro 17	65-68	196	87	255	87	0	0
Color Macro 18	69-72	150	90	255	90	0	0
Color Macro 19	73-76	100	77	255	77	0	0
Color Macro 20	77-80	77	100	255	77	0	0
Color Macro 21	81-84	67	148	255	67	0	0
Color Macro 22	85-88	77	195	255	77	0	0
Color Macro 23	89-92	77	234	255	77	0	0
Color Macro 24	93-96	158	255	144	144	0	0
Color Macro 25	97-100	255	251	153	153	0	0
Color Macro 26	101-104	255	175	147	147	0	0
Color Macro 27	105-108	255	138	186	138	0	0
Color Macro 28	109-112	255	147	251	147	0	0
Color Macro 29	113-116	151	138	255	138	0	0
Color Macro 30	117-120	99	0	255	100	0	0
Color Macro 31	121-124	138	169	255	138	0	0
Color Macro 32	128-128	255	255	255	255	0	0

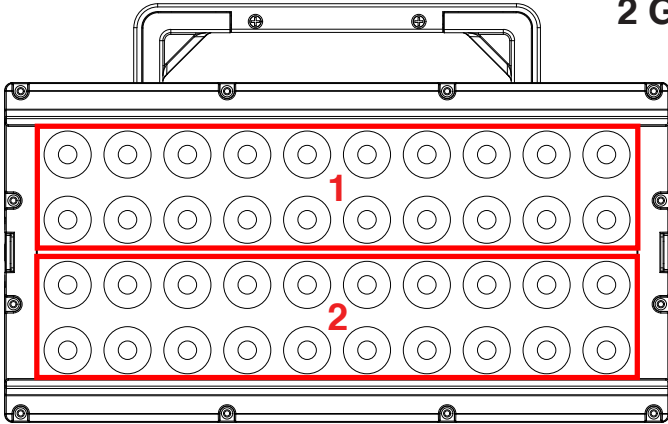
COLOR MACROS

VALUE	DMX VALUE	RED	GREEN	BLUE	AMBER	LIME	UV
Color Macro 33	129-132	254	206	143	0	0	0
Color Macro 34	133-136	254	177	153	0	0	0
Color Macro 35	137-140	254	192	138	0	0	0
Color Macro 36	141-144	254	165	98	0	0	0
Color Macro 37	145-148	254	121	0	0	0	0
Color Macro 38	149-152	176	17	0	0	0	0
Color Macro 39	153-156	96	0	11	0	0	0
Color Macro 40	157-160	234	139	171	0	0	0
Color Macro 41	161-164	224	5	97	0	0	0
Color Macro 42	165-168	175	77	173	0	0	0
Color Macro 43	169-172	119	130	199	0	0	0
Color Macro 44	173-176	147	164	212	0	0	0
Color Macro 45	177-180	88	2	163	0	0	0
Color Macro 46	181-184	0	38	86	0	0	0
Color Macro 47	185-188	0	142	208	0	0	0
Color Macro 48	189-192	52	148	209	0	0	0
Color Macro 49	193-196	1	134	201	0	0	0
Color Macro 50	197-200	0	145	212	0	0	0
Color Macro 51	201-204	0	121	192	0	0	0
Color Macro 52	205-208	0	129	184	0	0	0
Color Macro 53	209-212	0	83	115	0	0	0
Color Macro 54	213-216	0	97	166	0	0	0
Color Macro 55	217-220	1	100	167	0	0	0
Color Macro 56	221-224	0	40	86	0	0	0
Color Macro 57	225-228	209	219	182	0	0	0
Color Macro 58	229-232	42	165	85	0	0	0
Color Macro 59	233-236	255	0	0	0	0	0
Color Macro 60	237-240	0	255	0	0	0	0
Color Macro 61	241-244	0	0	255	0	0	0
Color Macro 62	245-248	0	0	0	255	0	0
Color Macro 63	249-252	0	0	0	0	255	0
Color Macro 64	253-255	0	0	0	0	0	255

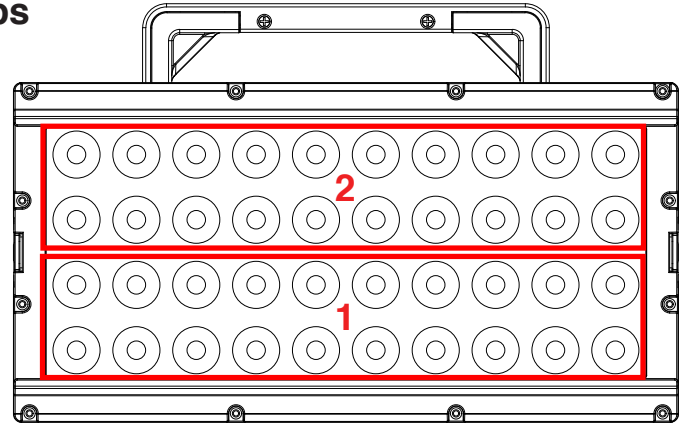
PIXEL GROUPS & PIXEL FLIP

OFF

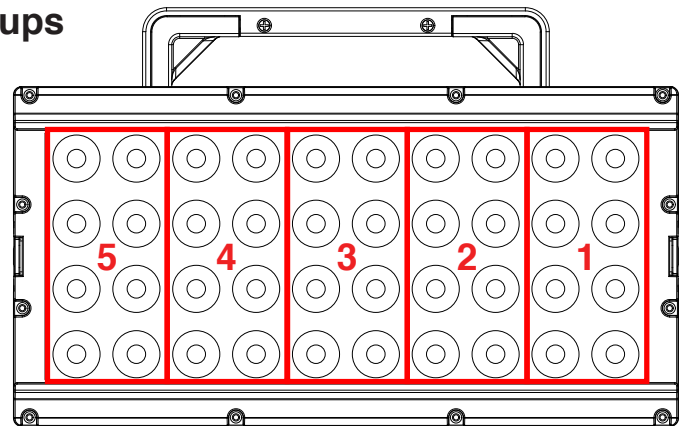
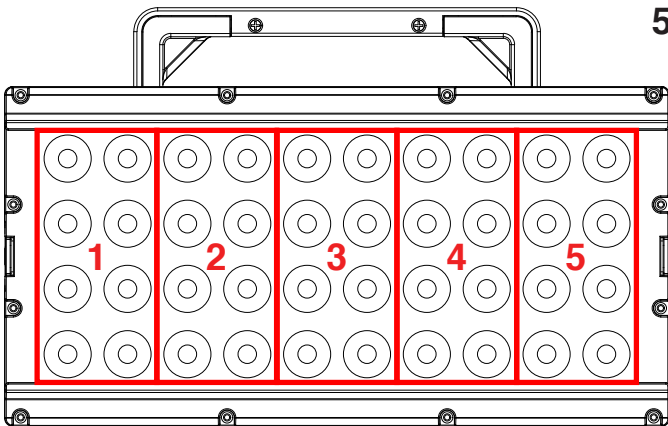
2 Groups



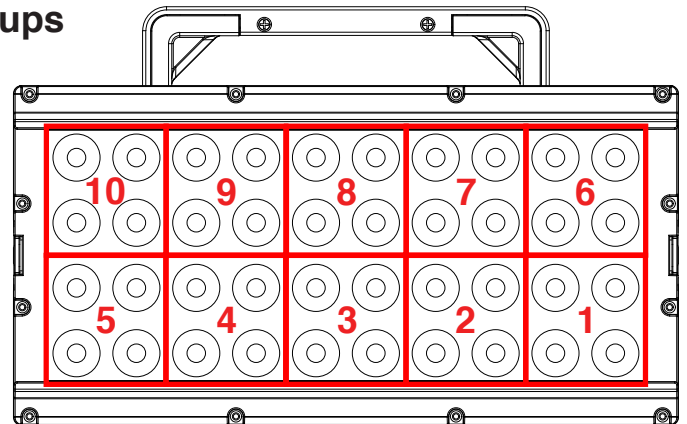
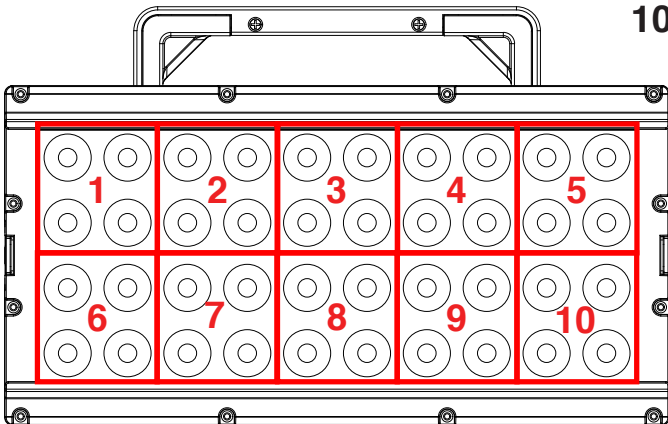
ON



5 Groups



10 Groups



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
0x1900	004A	74	6ch 1G / 12Ch 1G / 15Ch 1G / 16Ch 1G / 20Ch 1G / 24Ch 1G / 12Ch 2G / 20Ch 2G 24Ch 2G / 27Ch 2G / 29Ch 2G / 36Ch 2G / 30Ch 5G / 40Ch 5 G / 60Ch 5G / 63Ch 5G / 68Ch 5G / 72Ch 5G / 60Ch 10G / 70Ch 10G / 120Ch 10G / 123Ch 10G / 128Ch 10G / 132Ch 10G

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.

[0x0200] Sensor Definition	[0x0500] Display Invert
[0x0201] Sensor Value	[0x0603] Realtime Clock
[0x0080] Device Model Description	[0x1010] Power State
[0x0081] Manufacturer Label	[0x1031] Preset Playback
[0x0082] Device Label	[0x0122] Default Slot Value
[0x00E0] DMX Personality	[0x00B0] Language
[0x00E1] DMX Personality Description	[0x00A0] Language Capabilities
[0x0400] Device Hours	[0x00C2] Boot Software Version Label
[0x0015] Comms Status	[0x00C1] Boot Software Version ID
[0x0031] Status ID Description	[0x0070] Product Detail ID List
[0x0032] Clear Status ID	[0x0030] Status Messages
[0x0405] Device Power Cycles	[0x0000] Undefined PID [0x0000,(0)]

MAINTENANCE GUIDELINES



DISCONNECT POWER BEFORE PERFORMING ANY MAINTENANCE!

CLEANING

Frequent cleaning is recommended to ensure 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 regularly with a soft cloth to avoid dirt/debris accumulation.

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

MAINTENANCE

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

Please refer to the following points during routine inspections:

- A. A detailed electrical check by an approved electrical engineer every three months, to make sure the circuit contacts are in good condition and prevent overheating.
- B. 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.
- C. 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).
- D. Electric power supply cables must not show any damage, material fatigue, or sediments.

NEVER remove the ground prong from the power cable.

ERROR CODES

Note: Error Codes are subject to change without any prior written notice.	
ERROR CODES	DESCRIPTION
Temp Error	This message will appear after a fixture reset if there is a Temperature Error or Fan Error
Fan Error	

SPECIFICATIONS

Light Source:

- LED: 40x 20W HEX (6-In-1) RGBAL+UV LEDs (50,000 hr.)
- Beam Angle: X = 28.61°, Y = 23.72°
- Field Angle: X = 50.82°, Y = 44.95°
- Lumens: 19,590

Features:

- IP65 rated – protects from dust, sand, moisture, water
- Aria X2 Management System
- All metal construction with black housing
- Includes heavy duty bracket
- Flicker free for film and broadcast
- Linear variable white temperature control

Construction:

- Display: OLED display with function buttons
- All Metal Heavy-Duty Housing: Built To Last In Outdoor or Touring Applications

Control:

- 24 DMX control modes; 6ch 1G / 12Ch 1G / 15Ch 1G / 16Ch 1G / 20Ch 1G / 24Ch 1G / 12Ch 2G / 20Ch 2G 24Ch 2G / 27Ch 2G / 29Ch 2G / 36Ch 2G / 30Ch 5G / 40Ch 5 G / 60Ch 5G / 63Ch 5G / 68Ch 5G / 72Ch 5G / 60Ch 10G / 70Ch 10G / 120Ch 10G / 123Ch 10G / 128Ch 10G & 132Ch 10G modes
- 4 Control Groups: 1 / 2 / 5 & 10 Groups
- 0-100% Dimming + smooth 16-bit Dimming
- 5 Dimming Curve Modes
- Control Mode: DMX512, RDM (Remote Device Management)
- LED Refresh Rate: Multiple settings
- With Wired Digital Communication Network

Connections:

- Data: IP65 Locking 5-pin DMX In/Out
- Power: IP65 Locking Power In/Out

Electrical:

- 100-240V 50Hz/60Hz (Auto Sensing)
- Max Power Consumption: 513W @120V; 492W @220V
- Max Power Link: 2pcs @120V; 4pcs @230V
- Fuse Protected: T6.3A/250V Glass Fuse (5*20MM)

Dimensions / Weight:

- Length: 16.42" (417mm)
- Width: 11.7" (296.8mm)
- Height: 8.35" (212mm)
- Weight: 24.58 (11.15kg)

What's Included:

- 1 x IP65 Locking Power Cable
- 1 x Frost Filter
- 1 x Safety Cable

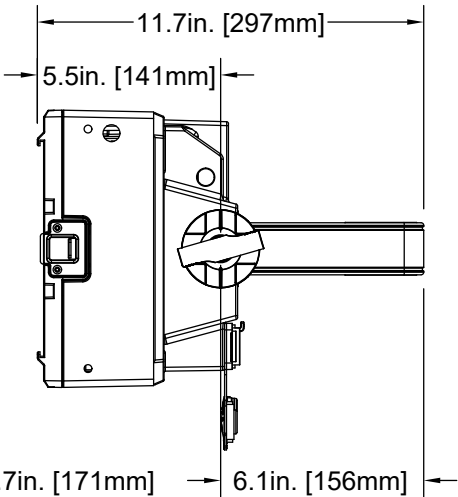
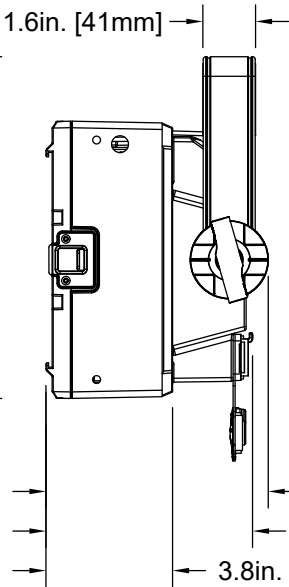
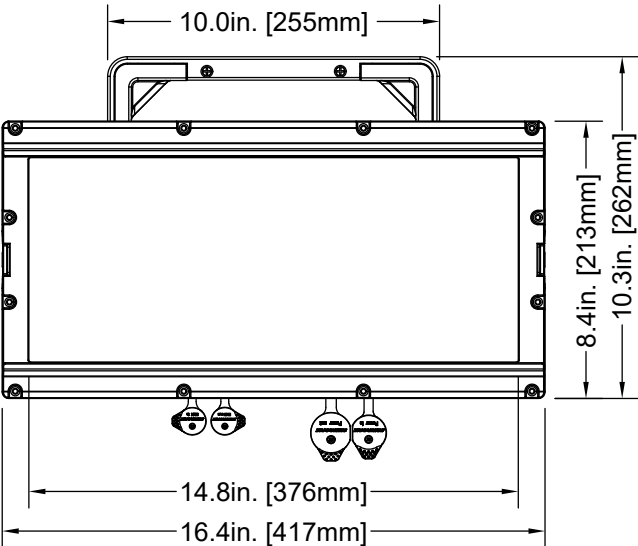
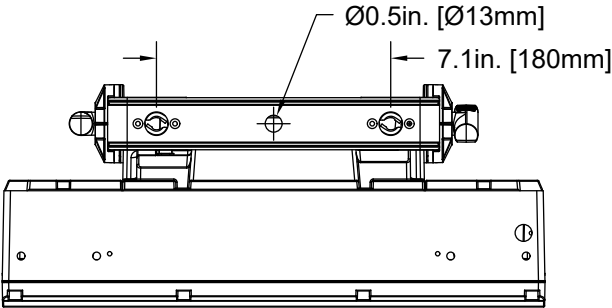
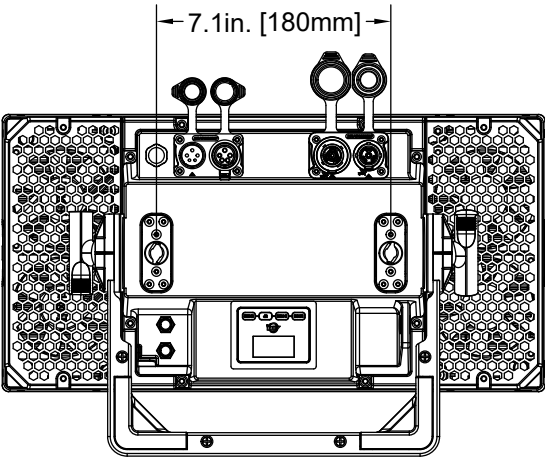
Optional Accessories:

- 180mm Omega Bracket
- JPFXBLKF (Sku: JPF001 - Black Filter for Jolt Panel FX, Jolt Panel FXIP and 40 HEX Panel IP)
- JPFX1X60LF (Sku: JPF014 - 1x60° Linear Effect Filter for Jolt Panel FX, Jolt Panel FXIP and 40 HEX Panel IP)
- JPFX60X1LF (Sku: JPF027 - 60X1° Linear Effect Filter for Jolt Panel FX, Jolt Panel FXIP and 40 HEX Panel IP)

Approvals and Ratings:

- CE, cETLus (Pending), IP65

DIMENSIONAL DRAWINGS



OPTIONAL ACCESSORIES

ORDER CODE		ITEM
US	EU	
HEX444	1226100438	40 HEX panel IP
JPFXGS	N/A	JPF040 - Glare Shield for Jolt Panel FX2, Jolt Panel FXIP and 40 Hex Panel FXIP
JPFXBD	N/A	JPF053 - Barn Door for Jolt Panel FX2, Jolt Panel FXIP and 40 Hex Panel FXIP
JPFXBLKF	N/A	Sku: JPF001 - Black Filter for Jolt Panel FX, Jolt Panel FXIP and 40 HEX Panel IP
JPFX1X60LF	N/A	Sku: JPF014 - 1x60° Linear Effect Filter for Jolt Panel FX, Jolt Panel FXIP and 40 HEX Panel IP
JPFX60X1LF	N/A	Sku: JPF027 - 60X1° Linear Effect Filter for Jolt Panel FX, Jolt Panel FXIP and 40 HEX Panel IP
Z-7021600059	N/A	180mm Omega Bracket
TRIGGER CLAMP	N/A	Heavy Duty Wrap Around Hook Style Clamp
TOU027	N/A	5 ft. (1.5m) 5pin PRO DMX Cable
		Additional Cable Lengths Available



FCC STATEMENT

Please note that changes or modifications to this product that are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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!

