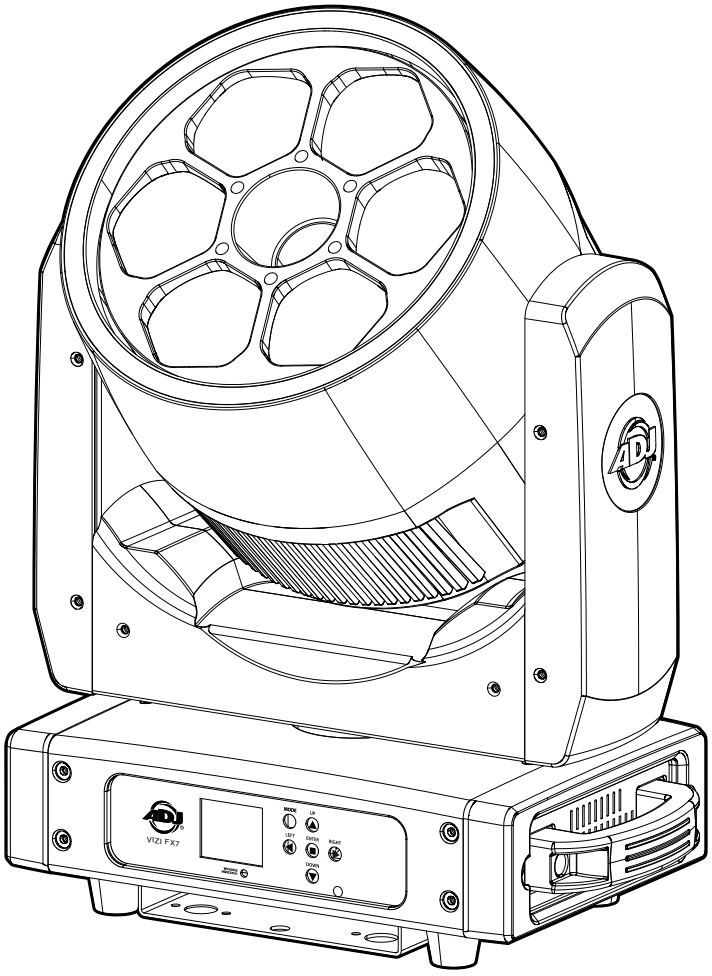

VIZI FX7
User Instructions

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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 enviroment. 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
07/10/2025	1.0	0.0.1	25, 48, 50, 53, 230	Initial release
09/10/2025	1.1	N/C	N/C	Added Safety notes
11/07/2025	1.2	N/C	31, 55, 57, 60, 237	Update DMX Traits & Specifications
02/18/2026	1.3	N/C	No Change	Update DMX Traits

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INFORMATION

INTRODUCTION

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

This product is intended for use 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)

ADJ SERVICE USA - Monday - Friday 8:00am to 4:30pm PST
Voice: 800-322-6337 I Fax: 323-582-2941 I support@adj.com

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LIMITED WARRANTY

For up-to-date warranty information regarding your device, please visit ADJ's warranty information page online or scan the QR codes below.

USA: https://www.adj.com/pages/warranty-information

EU: https://www.adj.eu/terms_and_conditions

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 its operational lifespan.

FEATURES

- 6x 60W RGBL LEDs with individual pixel control
- LED ring with 60 x 0.5-Watt RGB LEDs
- Multicolor Kaleidoscope in center
- Seetronic IP65-rated power locking In/Thru sockets
- Seetronic indoor, 5-pin XLR DMX In/Out sockets
- 2x CJS 107mm omega receivers and omega clamps
- Motorized zoom
- DMX, RDM protocols
- Aria X2, Version C module
- UR components to facilitate cETLus certification

SAFETY PRECAUTIONS

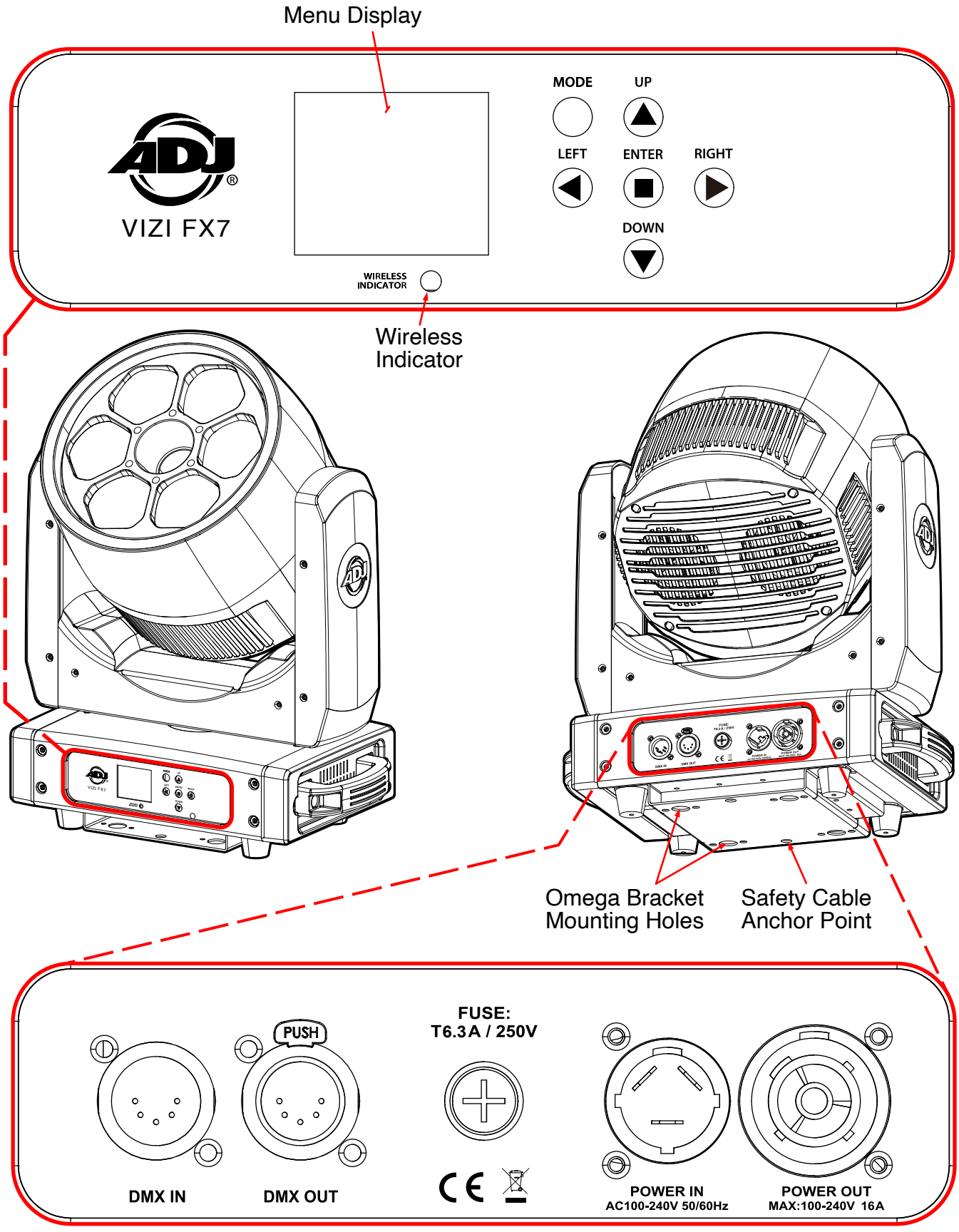
PROTECTION CLASS 1 - FIXTURE MUST BE PROPERLY GROUNDED.

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 32°F to 104°F (0°C to 40°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. 12" (30cm) 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 12" (30cm) 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 enviroment, 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.

OVERVIEW


Menu Display
VIZI FX7
MODE
UP
LEFT
ENTER
RIGHT
DOWN
WIRELESS INDICATOR
Wireless Indicator
Omega Bracket Mounting Holes
Safety Cable Anchor Point
PUSH
FUSE:
T6.3A / 250V
DMX IN
DMX OUT
POWER IN
AC100-240V 50/60Hz
POWER OUT
MAX:100-240V 16A

INSTALLATION

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.

When installing the unit, the trussing or area of installation must be able to hold 10 times the weight of the unit and any attached accessories without any deformation. The unit must be secured with a secondary safety attachment, e.g. an appropriately-rated safety cable.

Before rigging/mounting a single fixture 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.

Ambient operating temperature is range **32°F to 104°F (0°C to 40°C)**. Do not operate this device when ambient temperature falls outside of this range.

Maximum distance to lighted objects is 20" (50cm)
Minimum Distance of Inflammable Materials from the surface 12" (30cm)
Minimum Distance from Fixture Head to Combustible Materials 40" (100cm)

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

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

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

Overhead mounting requires extensive experience, including calculating working load limits, knowledge of installation material being used, and perodic safety inspection of all installation material as well as the unit itself. If you lack these qualifications, do not attempt the installation yourself.

The installation should be checked by a skilled person once a year.

OPERATIONAL BREAKS
Duty Cycle - 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.

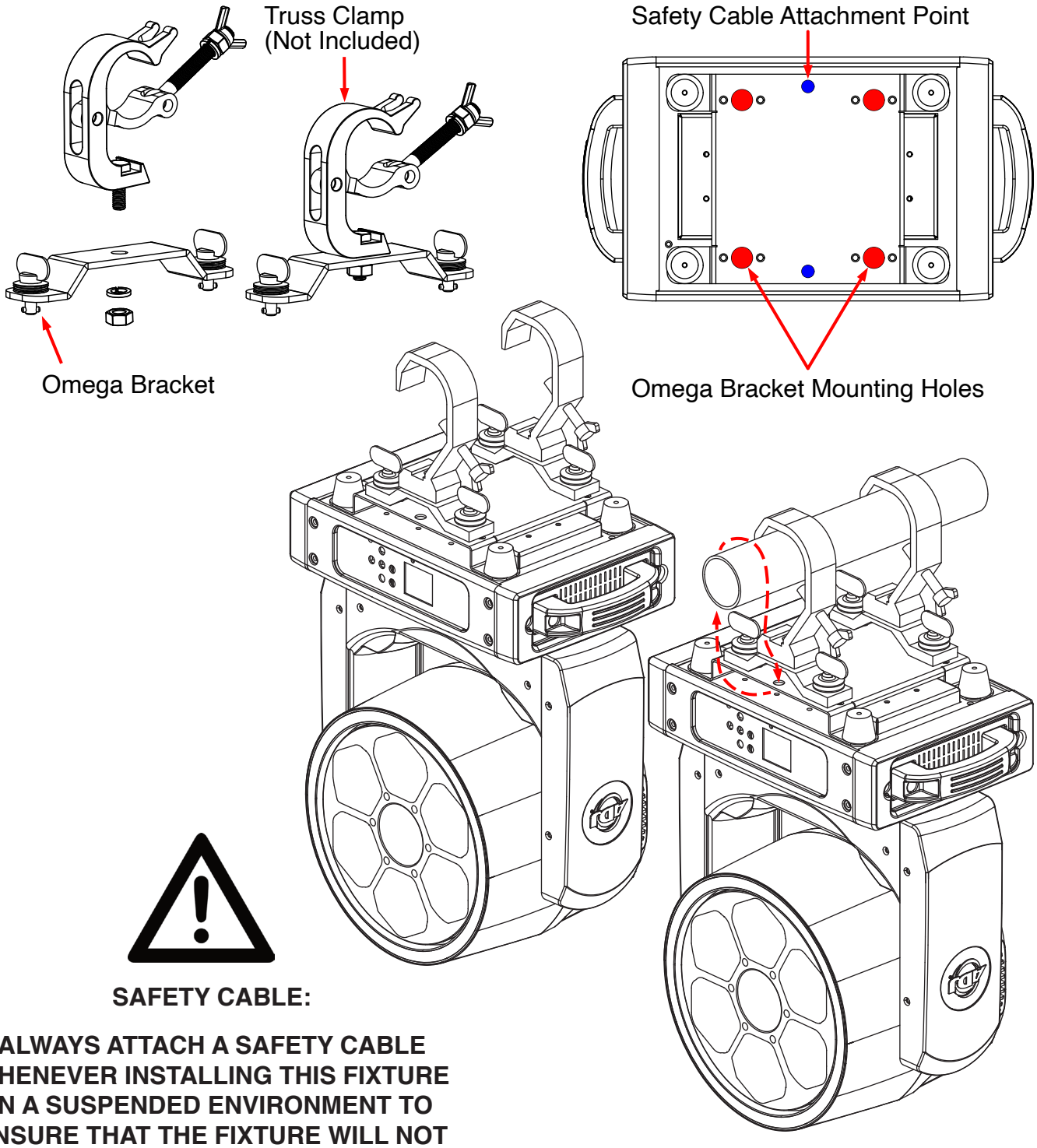
The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 3.2m is not expected.

INSTALLATION

CLAMP MOUNTING

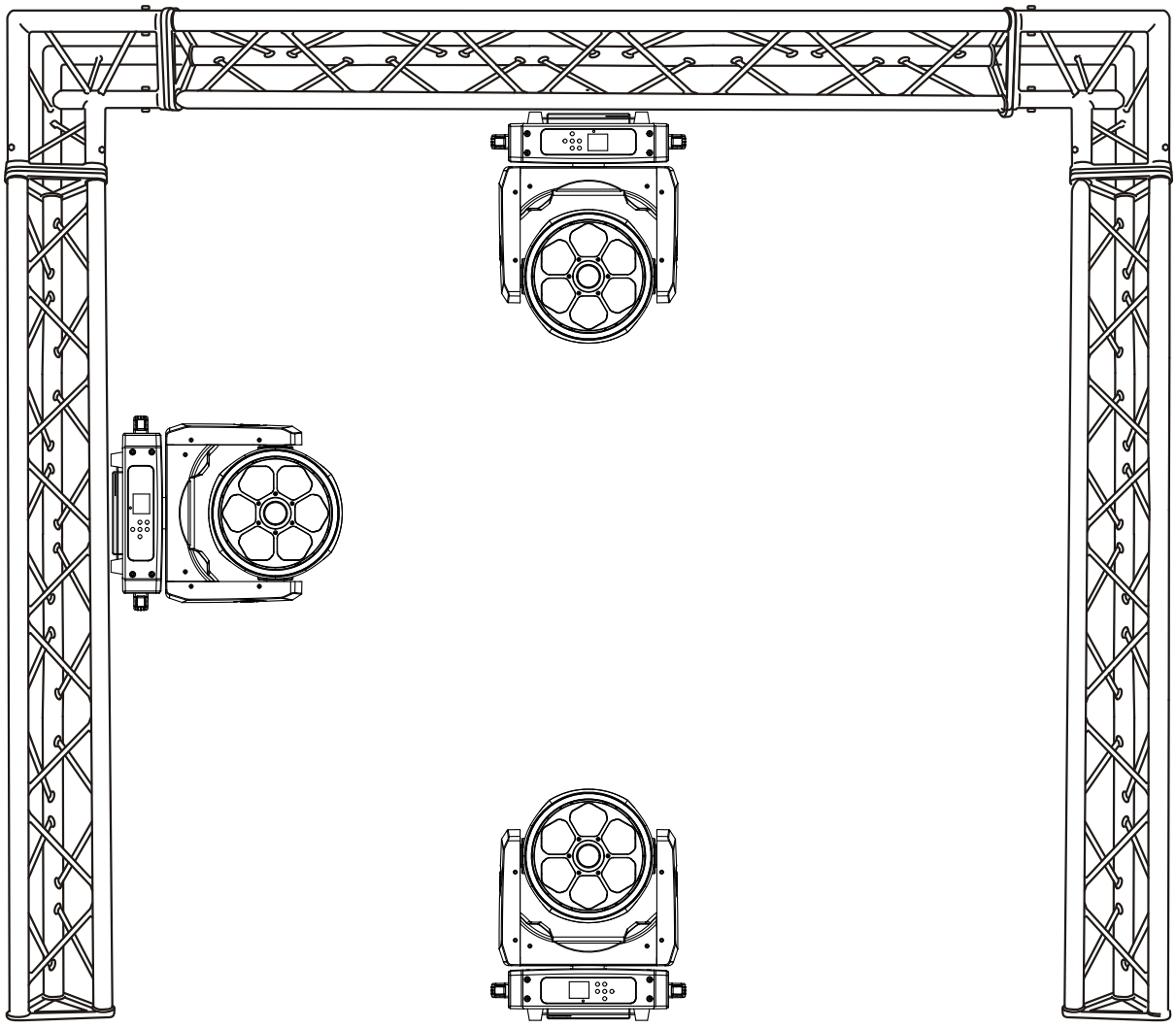
This fixture features mounting holes on the underside for the attachment of Omega clamps. When mounting the fixture to a truss or any other suspended structure, be sure to secure an appropriate rated clamp (not included) to each Omega bracket. Insert a bolt of appropriate size through the bottom of the mounting clamp and the central hole on the mounting bracket, and secure them together with a matching nut. Then insert the twist lock fasteners of the Omega bracket into the mounting holes on the fixture, and twist to secure in place. **Please note that two mounting clamps and two Omega brackets are required to securely install this unit**. Additionally, a safety cable of the appropriate weight rating should be secured to at least one of the two available locations on the underside of the fixture base.



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 CLAMP FAILS.

INSTALLATION



The unit is fully operational in three different mounting positions: hanging upside-down from the ceiling or trussing, sideways on trussing, or set on a flat level surface. Always use and install a safety cable (not included) as a safety measure to prevent accidental damage and/or injury in the event the clamp fails. Never use the carrying handles for secondary attachment.

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 THAT THE FIXTURE WILL NOT FALL IF THE CLAMP FAILS.

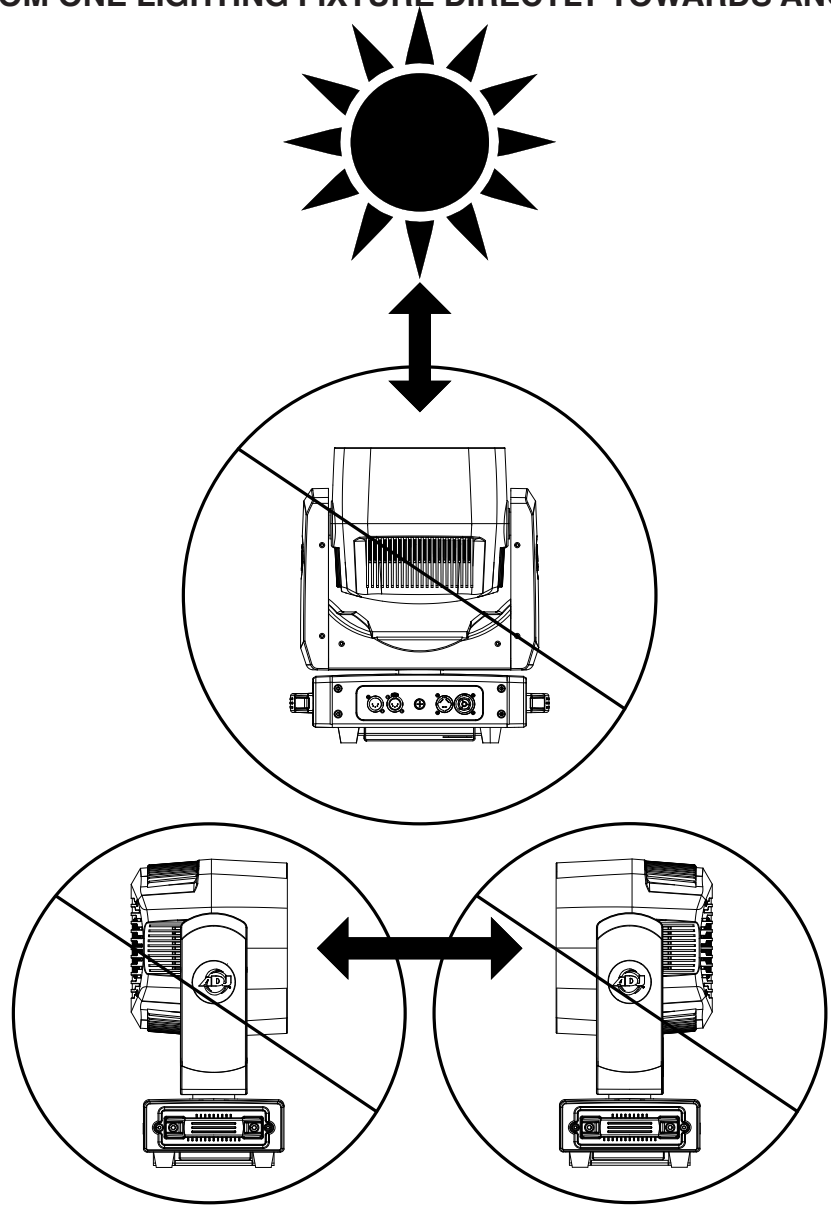
INSTALLATION

POTENTIAL INTERNAL FIXTURE DAMAGE FROM EXTERNAL SOURCES OF LIGHT BEAMS

External sources of light beams from direct sunlight, lighting 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 to 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, 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 prevent any potential damage from occurring if followed. Contact ADJ Service for more details.

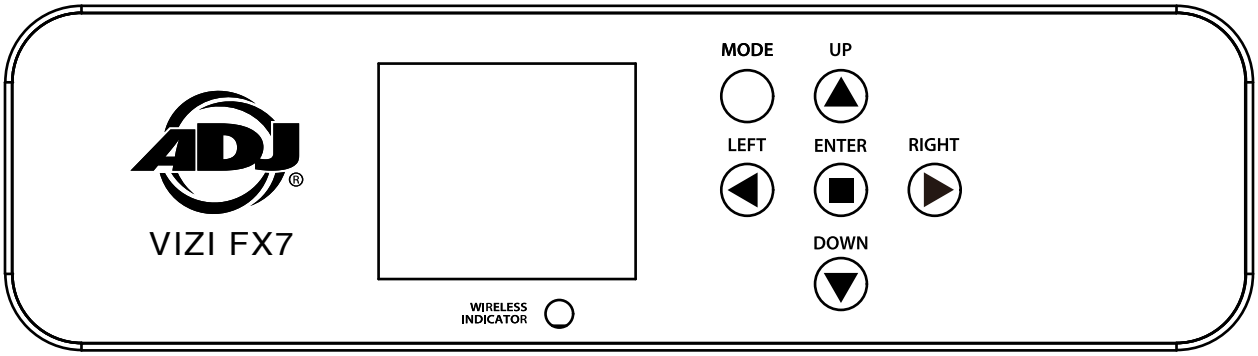
DO NOT EXPOSE THE FIXTURE AND/OR FRONT LENS OPENING TO LIGHT BEAMS FROM DIRECT SUNLIGHT, OTHER LIGHTING MOVING HEAD FIXTURES, AND LASERS WHILE UNPACKING, INSTALLATION, USE, AND EXTENDED IDLE TIMES OUTDOORS. DO NOT FOCUS A LIGHT BEAM FROM ONE LIGHTING FIXTURE DIRECTLY TOWARDS ANOTHER.



SYSTEM MENU

This unit features a display screen with a 6-button control pad, which can be used to easily adjust any device settings.

Pressing the **MODE** button will cycle through the various Main Menu options. When the desired Main Menu option is displayed on the screen, press the **ENTER** button to enter the sub-menu, then use the **UP**, **DOWN**, **LEFT**, and **RIGHT** buttons to navigate through sub-menu options. In some cases, there will be a second sub-menu that can be navigated in the same way.



SYSTEM MENU

MAIN MENU	OPTIONS / VALUES (Default Settings in **BOLD**)		
DMX Settings	Address	001-512	
	Mode	Basic 31Ch, **Standard 55Ch**, Extended 57Ch, Max 60CH, Extreme 237CH, User Mode	
	No DMX	**Hold Last**, Manual Control, Internal Program, Blackout	
Personality	Pri/Sec Mode	Primary, **Secondary**	
	Select Signal	DMX or Aria	**Auto**/DMX/Aria
		Aria In and DMX Out	ON / **OFF**
		DMX In and Aria 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	**ON**/OFF
		Security (Requires Password if assigned)	**E**nable / **Disable**
			Set or Edit Password
			Clear Password
	RDM	**ON**/OFF	
	Dim Modes	**Standard**, Stage, TV, Architectural, Theatre, Stage 2	
		Dim Speed	0.1S~10S
	LED Refresh Rate	900~1500Hz (**1200Hz**), 2500Hz, 4000Hz, 5000Hz, 6000Hz, 10KHz, 15KHz, 20KHz, 25KHz	
	Dim Curve	Linear, **Square**, Inv.Squa, S.Curve	
	Pan Invert	YES/**NO**	
	Tilt Invert	YES/**NO**	
	P/T Feedback	**ON**/OFF	
	Zoom Mode	**Standard**, Max	
	Display	Intensity	1-**10**
		Display Invert	YES/**NO**
		Screen Saver	OFF, 30s, 1M-10M **05M**
		Key Lock	**OFF**/ON
	Reset	YES/**NO**	
	Set User Mode	Pan	1
		Pan Fine	2
		Tilt	3
		Tilt Fine	4
		All Red	N/A
		All Green	N/A
		All Blue	N/A
		All Lime	N/A
		Red 1	5
		Green 1	6
		Blue 1	7
		Lime 1	8
		Red 2	9
		Green 2	10
		Blue 2	11
		Lime 2	12
		…	…
		Internal Programs	56
		Internal Program Speed	57
		Internal Program Fade	58
		Pan/Tilt Speed	59
		Special Functions	60

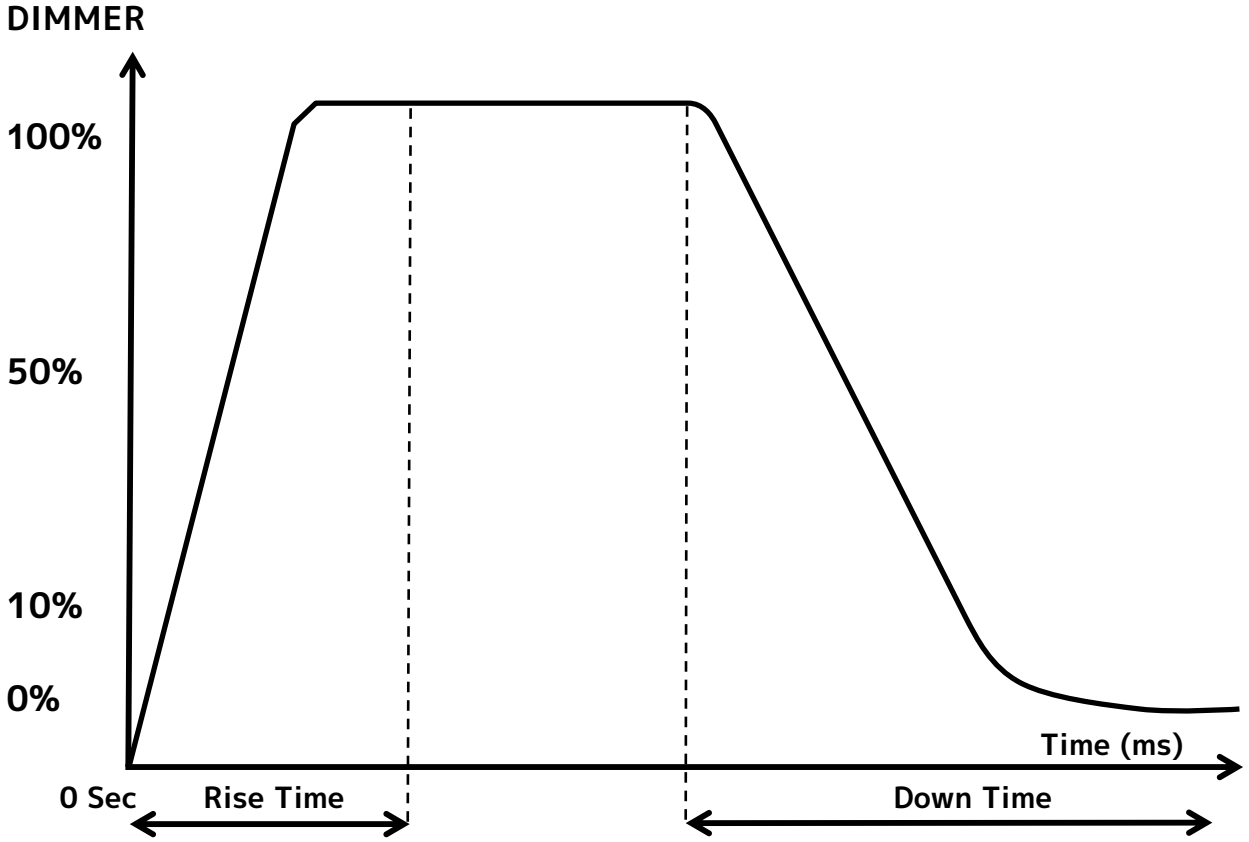
SYSTEM MENU

MAIN MENU	OPTIONS / VALUES (Default Settings in **BOLD**)		
Personality	Reset	YES/**NO**	
	Service (Passcode=**050**)	White Balance	Pan (000-255)
			Pan Fine (000-255)
			Tilt (000-255)
			Tilt Fine (000-255)
			Red 1 (000-255)
			Green 1 (000-255)
			Blue 1 (000-255)
			Lime 1 (000-255)
			...
			Blue 6 (000-255)
			Lime 6 (000-255)
		Color Calibration	**Enable** / Disable
		Factory Restore	YES/**NO**
Manual	Pan	000-255	
	Pan Fine	000-255	
	Tilt	000-255	
	Tilt Fine	000-255	
	All Main Red	000-255	
	All Main Green	000-255	
	All Main Blue	000-255	
	All Main Lime	000-255	
	CCT Presets	000-255	
	Color Macros	000-255	
	RGBL Program	000-255	
	RGBL Shutter	000-255	
	RGBL Dimmer	000-255	
	Kaleidoscope Red	000-255	
	Kaleidoscope Green	000-255	
	Kaleidoscope Blue	000-255	
	Kaleidoscope Lime	000-255	
	Kaleidoscope Effect	000-255	
	Kaleidoscope Effect Speed	000-255	
	Kaleidoscope Rotation	000-255	
	Kaleidoscope Shutter	000-255	
	Kaleidoscope Dimmer	000-255	
	Ring Red	000-255	
	Ring Green	000-255	
	Ring Blue	000-255	
	Ring Shutter	000-255	
	Ring Dimmer	000-255	
	Ring FX	000-255	
	Ring FX Speed	000-255	
	Zoom	000-255	
	Internal Programs	000-255	
	Internal Program Speed	000-255	
	Internal Program Fade	000-255	
	Rotation Effect	000-255	

SYSTEM MENU

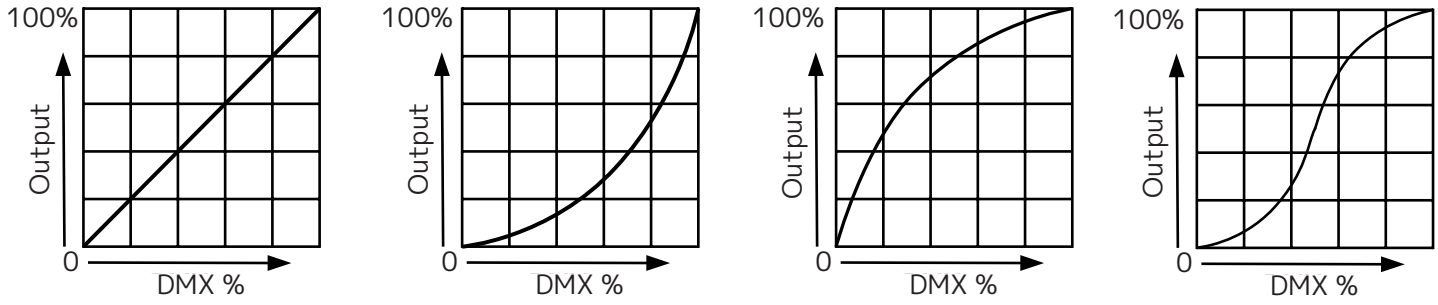
MAIN MENU	OPTIONS / VALUES (Default Settings in **BOLD**)		
Internal Programs	Program 1	Speed	000-255
		Fade	000-255
	Program 2	Speed	000-255
		Fade	000-255
	Program 3	Speed	000-255
		Fade	000-255
	Program 4	Speed	000-255
		Fade	000-255
	…	…	…
	Program 8	Speed	000-255
		Fade	000-255
Information	Fixture Life Time	Power On Time	xxxxxx Hours
	Fixture Last Run Time	P-On Time-R	xxxxxx Hours
		P-On Time-Reset	Passcode=**038**
	Total LED Hours	LED On Time-R	xxxxxx Hours
	Total LED Hours Reset	YES / **NO** (Passcode=**38**)	
	Fixture Temperatures	Current	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.	Head Fan RPM	xxxx
		Base Fan RPM	xxxx
	DMX Values	Pan	
		Pan Fine	
		…	
		Pan/Tilt Speed	
	Product ID's	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 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

DIMMER MODES



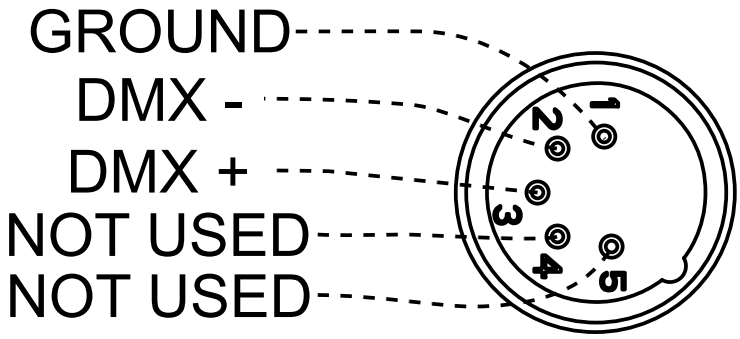
DMX SETUP

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.

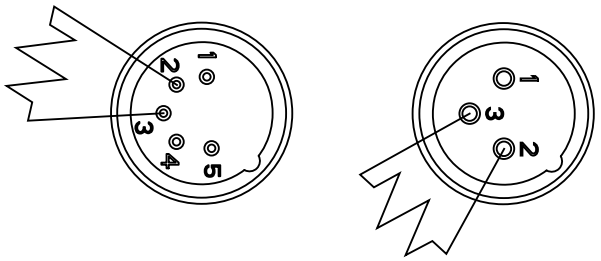
Data Cable (DMX Cable) Requirements (For DMX Operation): This unit can be controlled via DMX-512 protocol. The DMX address is set on the rear panel of the unit. Your unit and your DMX controller require a standard 5-pin XLR connector for data input and data output. We recommend Accu-Cable DMX cables. 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 fthe 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 Z-DMX/T) 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 31 channel mode, you should set the starting DMX address of the first unit to 1, the second unit to 32 (1 + 31), the third unit to 63 (1 + 31 + 31), and so on. See the chart below for more details:

CHANNEL MODE	UNIT 1 ADDRESS	UNIT 2 ADDRESS	UNIT 3 ADDRESS	UNIT 4 ADDRESS
Basic (31Ch)	1	32	63	94
Standard (55Ch)	1	56	111	166
Extended (57Ch)	1	58	115	172
Max (60Ch)	1	61	121	181
Extreme (237Ch)	1	238	475	712

DMX TRAITS

CHANNEL					DMX VALUES	FUNCTION
31Ch	55Ch	57Ch	60Ch	237Ch		
1	1	1	1	1	000-255	**Pan**, 0-540, 8-bit Pan
	2	2	2	2	000-255	**Pan Fine**, 16-bit Pan
2	3	3	3	3	000-255	**Tilt**, 0-270, 8-bit Tilt
	4	4	4	4	000-255	**Tilt Fine**, 16-bit Tilt
3					000-255	**All Main Red**, All Main Red
4					000-255	**All Main Green**, All Main Green
5					000-255	**All Main Blue**, All Main Blue
6					000-255	**All Main Lime**, All Main Lime
	5	5	5	5	000-255	**Red 1**, Red 1
	6	6	6	6	000-255	**Green 1**, Green 1
	7	7	7	7	000-255	**Blue 1**, Blue 1
	8	8	8	8	000-255	**Lime 1**, Lime 1
	9	9	9	9	000-255	**Red 2**, Red 2
	10	10	10	10	000-255	**Green 2**, Green 2
	11	11	11	11	000-255	**Blue 2**, Blue 2
	12	12	12	12	000-255	**Lime 2**, Lime 2
…	…	…	…	…	…	**…**, ...
	25	25	25	25	000-255	**Red 6**, Red 6
	26	26	26	26	000-255	**Green 6**, Green 6
	27	27	27	27	000-255	**Blue 6**, Blue 6
	28	28	28	28	000-255	**Lime 6**, Lime 6
						CCT Presets
					000	No Function
					001-060	2700K
					061-179	3000K
					180-201	3200K
					202-207	4000K
	29	29	29	29	208-229	4500K
					230-234	5000K
					235-239	5600K
					240-244	6500K
					245-249	8000K
					250-255	10000K
						Color Macros
	30	30	30	30	000	Off
					001-255	64 Color Macros
						RGBL Program
					000-000	RGBL Color Chase Off (Reference Color Macro Chart)
7	31	31	31	31	001-100	RGBL Color Chase 1 Slow-Fast
					101-200	RGBL Color Chase 2 Slow-Fast
					201-255	RGBL Color Chase 3 Slow-Fast
						RGBL Shutter
					000-031	Shutter Closed (LEDs OFF)
					032-063	Shutter OPEN (LEDs ON)
					064-095	Strobe effect slow to fast
8	32	32	32	32	096-127	Shutter OPEN (LEDs ON)
					128-159	Pulse effect in sequences
					160-191	Shutter OPEN (LEDs ON)
					192-223	Random strobe effect slow to fast
					224-255	Shutter OPEN (LEDs ON)
9	33	33	33	33	000-255	**RGBL Dimmer**, 0-100% Dimmer
	34	34	34	34	000-255	**RGBL Dimmer Fine**, 16 Bit Dimming

DMX TRAITS

CHANNEL					DMX VALUES	FUNCTION
31Ch	55Ch	57Ch	60Ch	237Ch		
10	35	35	35	35	000-255	**Kaleidoscope Red**, Kaleidoscope Red
11	36	36	36	36	000-255	**Kaleidoscope Green**, Kaleidoscope Green
12	37	37	37	37	000-255	**Kaleidoscope Blue**, Kaleidoscope Blue
13	38	38	38	38	000-255	**Kaleidoscope Lime**, Kaleidoscope Lime
14	39	39	39	39		**Kaleidoscope Effect**
					000-000	Kaleidoscope Off
					001-007	Kaleidoscope Effect 1
					008-014	Kaleidoscope Effect 2
					015-021	Kaleidoscope Effect 3
					022-027	Kaleidoscope Effect 4
					028-034	Kaleidoscope Effect 5
					035-041	Kaleidoscope Effect 6
					042-047	Kaleidoscope Effect 7
					048-054	Kaleidoscope Effect 8
					055-061	Kaleidoscope Effect 9
					062-068	Kaleidoscope Effect 10
					069-074	Kaleidoscope Effect 11
					075-081	Kaleidoscope Effect 12
					082-088	Kaleidoscope Effect 13
					089-094	Kaleidoscope Effect 14
					095-101	Kaleidoscope Effect 15
					102-108	Kaleidoscope Effect 16
					109-115	Kaleidoscope Effect 17
					116-121	Kaleidoscope Effect 18
					122-128	Kaleidoscope Effect 19
					129-135	Kaleidoscope Effect 20
					136-141	Kaleidoscope Effect 21
					142-148	Kaleidoscope Effect 22
					149-155	Kaleidoscope Effect 23
					156-162	Kaleidoscope Effect 24
					163-168	Kaleidoscope Effect 25
					169-175	Kaleidoscope Effect 26
					176-182	Kaleidoscope Effect 27
					183-188	Kaleidoscope Effect 28
					189-195	Kaleidoscope Effect 29
					196-202	Kaleidoscope Effect 30
					203-209	Kaleidoscope Effect 31
					210-215	Kaleidoscope Effect 32
					216-222	Kaleidoscope Effect 33
					223-229	Kaleidoscope Effect 34
					230-235	Kaleidoscope Effect 35
					236-242	Kaleidoscope Effect 36
					243-249	Kaleidoscope Effect 37
					250-255	Kaleidoscope Effect 38
15	40	40	40	40	000-255	**Kaleidoscope Effect Speed**, Slow to Fast
16	41	41	41	41		**Kaleidoscope Rotation**
					000-000	Kaleidoscope Rotation Off
					001-127	Rotation Index
					128-190	CW Fast to Slow
					191-192	Stop
					193-255	CCW Slow to Fast
17	42	42	42	42		**Kaleidoscope Shutter**
					000-031	Shutter Closed (LEDs OFF)
					032-063	Shutter OPEN (LEDs ON)
					064-095	Strobe effect slow to fast
					096-127	Shutter OPEN (LEDs ON)
					128-159	Pulse effect in sequences
					160-191	Shutter OPEN (LEDs ON)
					192-223	Random strobe effect slow to fast
					224-255	Shutter OPEN (LEDs ON)
18	43	43	43	43	000-255	**Kaleidoscope Dimmer**, 0-100% Dimmer
	44	44	44	44	000-255	**Kaleidoscope Dimmer Fine**, 0-100% Dimmer

DMX TRAITS

CHANNEL					DMX VALUES	FUNCTION
31Ch	55Ch	57Ch	60Ch	237Ch		
19	45	45	45		000-255	**All Ring Red**, All Ring Red
20	46	46	46		000-255	**All Ring Green**, All Ring Green
21	47	47	47		000-255	**All Ring Blue**, All Ring Blue
				45	000-255	**Ring Red 1**, Ring Red 1
				46	000-255	**Ring Green 1**, Ring Green 1
				47	000-255	**Ring Blue 1**, Ring Blue 1
				48	000-255	**Ring Red 2**, Ring Red 2
				49	000-255	**Ring Green 2**, Ring Green 2
				50	000-255	**Ring Blue 2**, Ring Blue 2
…	…	…	…	…	…	**…**
				222	000-255	**Ring Red 60**, Ring Red 60
				223	000-255	**Ring Green 60**, Ring Green 60
				224	000-255	**Ring Blue 60**, Ring Blue 60
22	48	48	48	225		**Ring FX**
					000-015	FX Effect close
					016-035	FX single led effect
					036-055	FX 3pcs leds effect
					056-075	FX 6pcs leds effect
					076-095	FX 12pcs leds effect
					096-115	FX 3pcs leds-4 modules effect
					116-135	FX 6pcs leds-4 modules effect
					136-155	FX 4 modules effect
					156-175	FX loop fill effect
					176-195	RGB 3 colors rainbow effect
					196-215	RGB 3 colors effect
					216-235	FX rainbow effect
					236-255	FX segment effect
23	49	49	49	226	000-255	**Ring FX Speed**, FX Speed
24	50	50	50	227		**Ring Shutter**
					000-031	Shutter Closed (LEDs OFF)
					032-063	Shutter OPEN (LEDs ON)
					064-095	Strobe effect slow to fast
					096-127	Shutter OPEN (LEDs ON)
					128-159	Pulse effect in sequences
					160-191	Shutter OPEN (LEDs ON)
					192-223	Random strobe effect slow to fast
					224-255	Shutter OPEN (LEDs ON)
25	51	51	51	228	000-255	**Ring Dimmer**, RGB Ring Dimmer
26	52	52	52	229	000-255	**Zoom**, Min to Max (Narrow to Wide)
27	53	53	53	230		**Rotation Effect**
					000-000	Rotation Effect Off
					001-127	Rotation Index
					128-190	CW Fast to Slow
					191-192	Stop
					193-255	CCW Slow to Fast

DMX TRAITS

CHANNEL					DMX VALUES	FUNCTION
31Ch	55Ch	57Ch	60Ch	237Ch		
						Dim Modes
					000-020	Default to Unit Setting
					021-040	Standard
					041-060	Stage
					061-080	TV
					081-100	Architectural
					101-120	Theatre
					121-140	Stage 2
						Dimming 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
		54	54	231	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
					55	55
						Dim Curves
					000-020	Square
		55	55	232	021-040	Linear
					041-060	Inv. Squa
					061-080	S. Curve
					081-255	No Function
						Internal Progrms
					000-009	No Function
					010-019	Program 1
					020-029	Program 2
					030-039	Program 3
28			56	233	040-049	Program 4
					050-059	Program 5
					060-069	Program 6
					070-079	Program 7
					080-089	Program 8
					90-255	No Function
29			57	234	000-255	**Internal Programs Speed**, Slow → Fast
30			58	235	000-255	**Internal Programs Fade**, Min → Max
31	54	56	59	236	000-255	**Pan/Tilt Speed**, Fast → slow

DMX TRAITS

CHANNEL					DMX VALUES	FUNCTION
31Ch	55Ch	57Ch	60Ch	237Ch		
						Special Functions
					000-010	No function (Default LED Refresh Rate 1200 Hz)
					011-011	900 Hz LED Refresh Rate
					012-012	910 Hz LED Refresh Rate
					013-013	920 Hz LED Refresh Rate
					014-014	930 Hz LED Refresh Rate
					015-015	940 Hz LED Refresh Rate
					016-016	950 Hz LED Refresh Rate
					017-017	960 Hz LED Refresh Rate
					018-018	970 Hz LED Refresh Rate
					019-019	980 Hz LED Refresh Rate
					020-020	990 Hz LED Refresh Rate
					021-021	1000 Hz LED Refresh Rate
					022-022	1010 Hz LED Refresh Rate
					023-023	1020 Hz LED Refresh Rate
					024-024	1030 Hz LED Refresh Rate
					025-025	1040 Hz LED Refresh Rate
					026-026	1050 Hz LED Refresh Rate
					027-027	1060 Hz LED Refresh Rate
					028-028	1070 Hz LED Refresh Rate
					029-029	1080 Hz LED Refresh Rate
	55	57	60	237	030-030	1090 Hz LED Refresh Rate
					031-031	1100 Hz LED Refresh Rate
					032-032	1110 Hz LED Refresh Rate
					033-033	1120 Hz LED Refresh Rate
					034-034	1130 Hz LED Refresh Rate
					035-035	1140 Hz LED Refresh Rate
					036-036	1150 Hz LED Refresh Rate
					037-037	1160 Hz LED Refresh Rate
					038-038	1170 Hz LED Refresh Rate
					039-039	1180 Hz LED Refresh Rate
					040-040	1190 Hz LED Refresh Rate
					041-041	1200 Hz LED Refresh Rate
					042-042	1210 Hz LED Refresh Rate
					043-043	1220 Hz LED Refresh Rate
					044-044	1230 Hz LED Refresh Rate
					045-045	1240 Hz LED Refresh Rate
					046-046	1250 Hz LED Refresh Rate
					047-047	1260 Hz LED Refresh Rate
					048-048	1270 Hz LED Refresh Rate
					049-049	1280 Hz LED Refresh Rate
					050-050	1290 Hz LED Refresh Rate
					051-051	1300 Hz LED Refresh Rate

DMX TRAITS

CHANNEL					DMX VALUES	FUNCTION
31Ch	55Ch	57Ch	60Ch	237Ch		
						Special Functions
					052-052	1310 Hz LED Refresh Rate
					053-053	1320 Hz LED Refresh Rate
					054-054	1330 Hz LED Refresh Rate
					055-055	1340 Hz LED Refresh Rate
					056-056	1350 Hz LED Refresh Rate
					057-057	1360 Hz LED Refresh Rate
					058-058	1370 Hz LED Refresh Rate
					059-059	1380 Hz LED Refresh Rate
					060-060	1390 Hz LED Refresh Rate
					061-061	1400 Hz LED Refresh Rate
					062-062	1410 Hz LED Refresh Rate
					063-063	1420 Hz LED Refresh Rate
					064-064	1430 Hz LED Refresh Rate
					065-065	1440 Hz LED Refresh Rate
					066-066	1450 Hz LED Refresh Rate
					067-067	1460 Hz LED Refresh Rate
					068-068	1470 Hz LED Refresh Rate
					069-069	1480 Hz LED Refresh Rate
					070-070	1490 Hz LED Refresh Rate
					071-071	1500 Hz LED Refresh Rate
	55	57	60	237	072-072	2500 Hz LED Refresh Rate
					073-073	4000 Hz LED Refresh Rate
					074-074	5000 Hz LED Refresh Rate
					075-075	6000 Hz LED Refresh Rate
					076-076	10K Hz LED Refresh Rate
					077-077	15K Hz LED Refresh Rate
					078-078	20K Hz LED Refresh Rate
					079-079	25K Hz LED Refresh Rate
					080-089	Enable Bluetooth (Hold 3s)
					090-099	Disable Bluetooth (Hold 3s)
					100-105	Enable Blackout while Pan/Tilt moving (Hold 3s)
					106-111	Disable Blackout while Pan/Tilt moving (Hold 3s)
					112-117	Enable Pan Invert (Hold 3s)
					118-122	Disable Pan Invert (Hold 3s)
					123-127	Enable Tilt Invert (Hold 3s)
					128-132	Disable Tilt Invert (Hold 3s)
					133-139	Reset All (Hold 3s)
					140-149	Reset Pan/Tilt (Hold 3s)
					150-159	Reset Effect (Hold 3s)
					160-169	Enable Zoom Mode 2 (Hold 3s)
					170-174	Disable Zoom Mode 2 (Hold 3s)
					175-255	No Function

RGBL COLOR MACROS

Color	DMX Value	RGBW COLOR INTENSITY				Color	DMX Value	RGBW COLOR INTENSITY			
		RED	GREEN	BLUE	LIME			RED	GREEN	BLUE	LIME
Off	0	0	0	0	0	Color Macro 33	129-132	255	206	143	0
Color Macro 1	1-4	80	255	234	80	Color Macro 34	133-136	254	177	153	0
Color Macro 2	5-8	80	255	164	80	Color Macro 35	137-140	254	192	138	0
Color Macro 3	9-12	77	255	112	77	Color Macro 36	141-144	254	165	98	0
Color Macro 4	13-16	117	255	83	83	Color Macro 37	145-148	254	121	0	0
Color Macro 5	17-20	160	255	77	77	Color Macro 38	149-152	176	17	0	0
Color Macro 6	21-24	223	255	83	83	Color Macro 39	153-156	96	0	11	0
Color Macro 7	25-28	255	243	77	77	Color Macro 40	157-160	234	139	171	0
Color Macro 8	29-32	255	200	74	74	Color Macro 41	161-164	224	5	97	0
Color Macro 9	33-36	255	166	77	77	Color Macro 42	165-168	175	77	173	0
Color Macro 10	37-40	255	125	74	74	Color Macro 43	169-172	119	130	199	0
Color Macro 11	41-44	255	97	77	74	Color Macro 44	173-176	147	164	212	0
Color Macro 12	45-48	255	71	77	71	Color Macro 45	177-180	88	2	163	0
Color Macro 13	49-52	255	83	134	83	Color Macro 46	181-184	0	38	86	0
Color Macro 14	53-56	255	93	182	93	Color Macro 47	185-188	0	142	208	0
Color Macro 15	57-60	255	96	236	96	Color Macro 48	189-192	52	148	209	0
Color Macro 16	61-64	238	93	255	93	Color Macro 49	193-196	1	134	201	0
Color Macro 17	65-68	196	87	255	87	Color Macro 50	197-200	0	145	212	0
Color Macro 18	69-72	150	90	255	90	Color Macro 51	201-204	0	121	192	0
Color Macro 19	73-76	100	77	255	77	Color Macro 52	205-208	0	129	184	0
Color Macro 20	77-80	77	100	255	77	Color Macro 53	209-212	0	83	115	0
Color Macro 21	81-84	67	148	255	67	Color Macro 54	213-216	0	97	166	0
Color Macro 22	85-88	77	195	255	77	Color Macro 55	217-220	1	100	167	0
Color Macro 23	89-92	77	234	255	77	Color Macro 56	221-224	0	40	86	0
Color Macro 24	93-96	158	255	144	144	Color Macro 57	225-228	209	219	182	0
Color Macro 25	97-100	255	251	153	153	Color Macro 58	229-232	42	165	85	0
Color Macro 26	101-104	255	175	147	147	Color Macro 59	233-236	0	46	35	0
Color Macro 27	105-108	255	138	186	138	Color Macro 60	237-240	68	0	97	0
Color Macro 28	109-112	255	147	251	147	Color Macro 61	241-244	255	0	0	0
Color Macro 29	113-116	151	138	255	138	Color Macro 62	245-248	0	255	0	0
Color Macro 30	117-120	99	0	255	100	Color Macro 63	249-252	0	0	255	0
Color Macro 31	121-124	138	169	255	138	Color Macro 64	253-255	0	0	0	255
Color Macro 32	125-128	255	255	255	255						

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 ouput. 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 features 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:

- **3 units @ 110V power**
- **6 units @ 220V power**

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!

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
0x1907	*Generated by MCU ID	0x0001	25CH, 48CH, 50CH, 53CH, 230CH

* The system randomly allocates 32-bit data based on the microcontroller's 32-bit unique identifier (UID).

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.

SENSOR_DEFINITION	TILT_INVERT
SENSOR_VALUE	PAN_TILT_SWAP
DEVICE_MODEL_DESCRIPTION	DISPLAY_INVERT
MANUFACTURER_LABEL	DISPLAY_LEVEL
DEVICE_LABEL	REAL_TIME_CLOCK
DMX_PERSONALITY	POWER_STATE
DMX_PERSONALITY_DESCRIPTION	PRESET_PLAYBACK
DEVICE_HOURS	SLOT_INFO
COMMS_STATUS	SLOT_DESCRIPTION
STATUS_ID_DESCRIPTION	DEFAULT_SLOT_VALUE
CLEAR_STATUS_ID	LANGUAGE
LAMP_HOURS	LANGUAGE_CAPABILITIES
LAMP_STRIKES	BOOT_SOFTWARE_VERSION_LABEL
LAMP_STATE	BOOT_SOFTWARE_VERSION_ID
LAMP_ON_MODE	PRODUCT_DETAIL_ID_LIST
DEVICE_POWER_CYCLES	STATUS_MESSAGES
PAN_INVERT	

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

ERROR GROUP	ERROR CODE	DESCRIPTION
Sensor Error	Pan	Sensor Error: Pan
	Tilt	Sensor Error: Tilt
	Zoom	Sensor Error: Zoom
	Temp	Sensor Error: Temperature

SPECIFICATIONS

Source:
6 x 60-Watt RGBL LEDs (50,000 hr.)
1x 60-Watt Kaleidoscope LED (50,000 hr.)
60 x 0.5-Watt RGB Ring LED's
CRI: TBA
TM30 Rf: TBA
TM30 Rg: TBA
Color Temperature: 2800K ~ 8,500K
Lumens: TBA (Zoomed Out, Full On)

Features:
Moving Light Effect, Beam Wash
Individual Pixel Control
Built-In FX Effect Programs
Aria X2 Wireless Management System
Electronic Strobe / Dimmer
Pan/Tilt: 540 x 190
Motorized Zoom
Beam Angle: 8° ~ 38°
Field Angle: 9° ~ 40°
Selectable LED Refresh Rates (900 Hz~25K Hz)
Selectable Dim Modes: Standard, Stage, TV, Arch., Theatre, Stage 2 and user settable Dim Speed (0.1S~10S)
4 Dim Curves: Square, Linear, Inv. Square and S. Curve
0-100% dimming
Fan Cooled

Colors:
6x RGBL LEDs (Red, Green, Blue and Lime)
60 x RGB Ring LED's
Center Kaleidoscope Effect
Built-In Color Macros
2,700K ~ 10,000K Linear White Color Temperature Control
Color Temperature Presets: 2,800, 3,200, 3,600, 4,500, 5,000, 5,600, 6,200, 6,800, 7,500 and 8,500K

Control:
5 DMX Modes - 31, 55, 57, 60, 237 Channels, plus 1 User Definable DMX Mode.
Color LCD display with 6-button function menu
Control: DMX512 and Aria X2 Wireless Management System
Built-In FX Effect Programs with Speed Control
RDM (Remote Device Management) compliant With Wired Digital Communication Network

Pan/Tilt:
Pan: 540 degrees
Tilt: 190 degrees
16-Bit Fine Pan & Tilt

Connections:
DMX Connections: Indoor Locking In/Out, 5-Pin XLR Sockets
Power Connections: Outdoor Locking In/Out Power Sockets

Electrical:
Multi-voltage operation: 100-240V, 50/60Hz
Max power consumption: 400W (3.7Amps) @ 120V

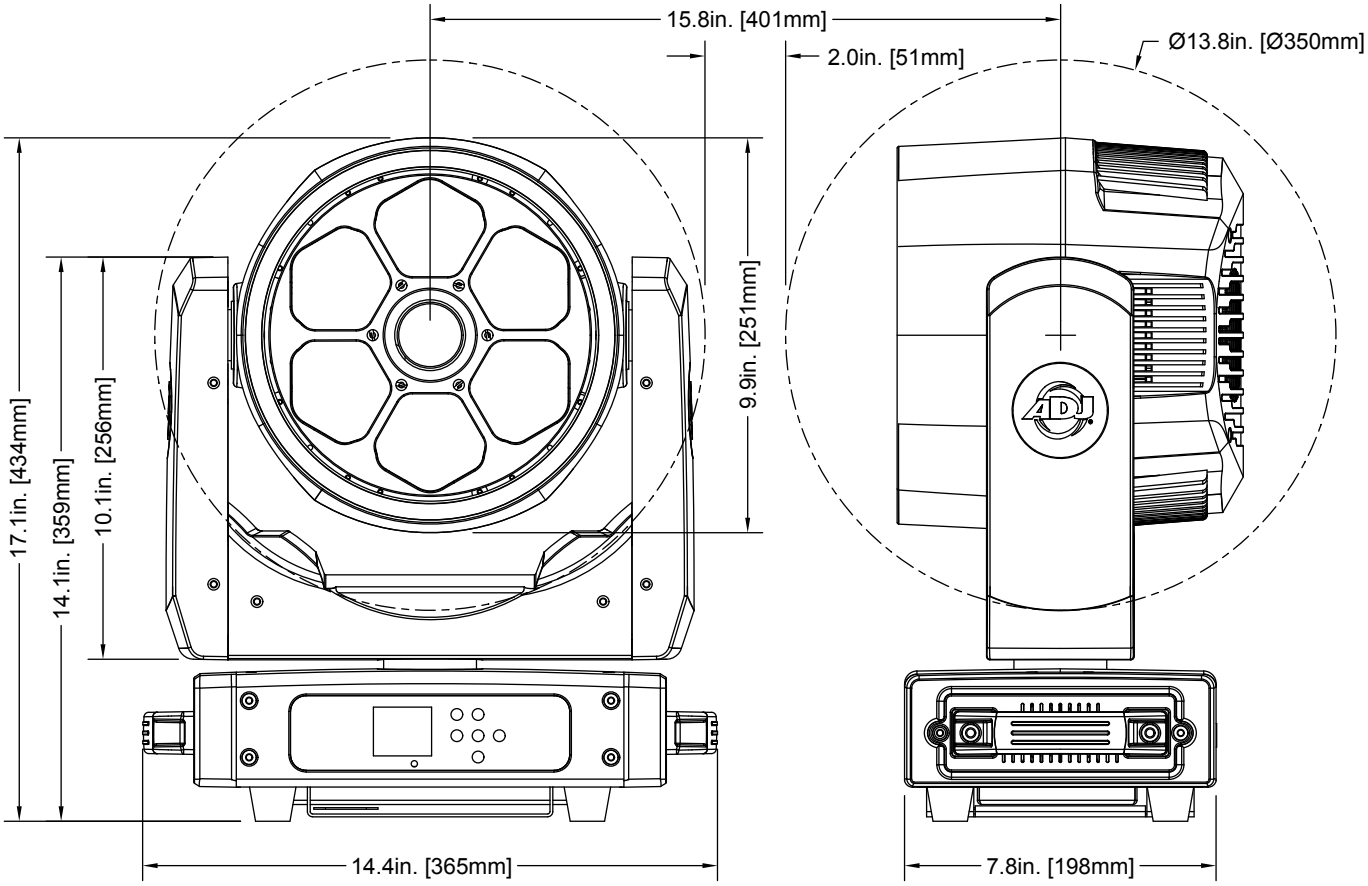
Dimensions & Weight:
Dimensions (LxWxH): 14.39”L x 8.66”W x 17.11”H (365.4x220x434.4mm)
Weight: 29.8lbs (13.5kg)

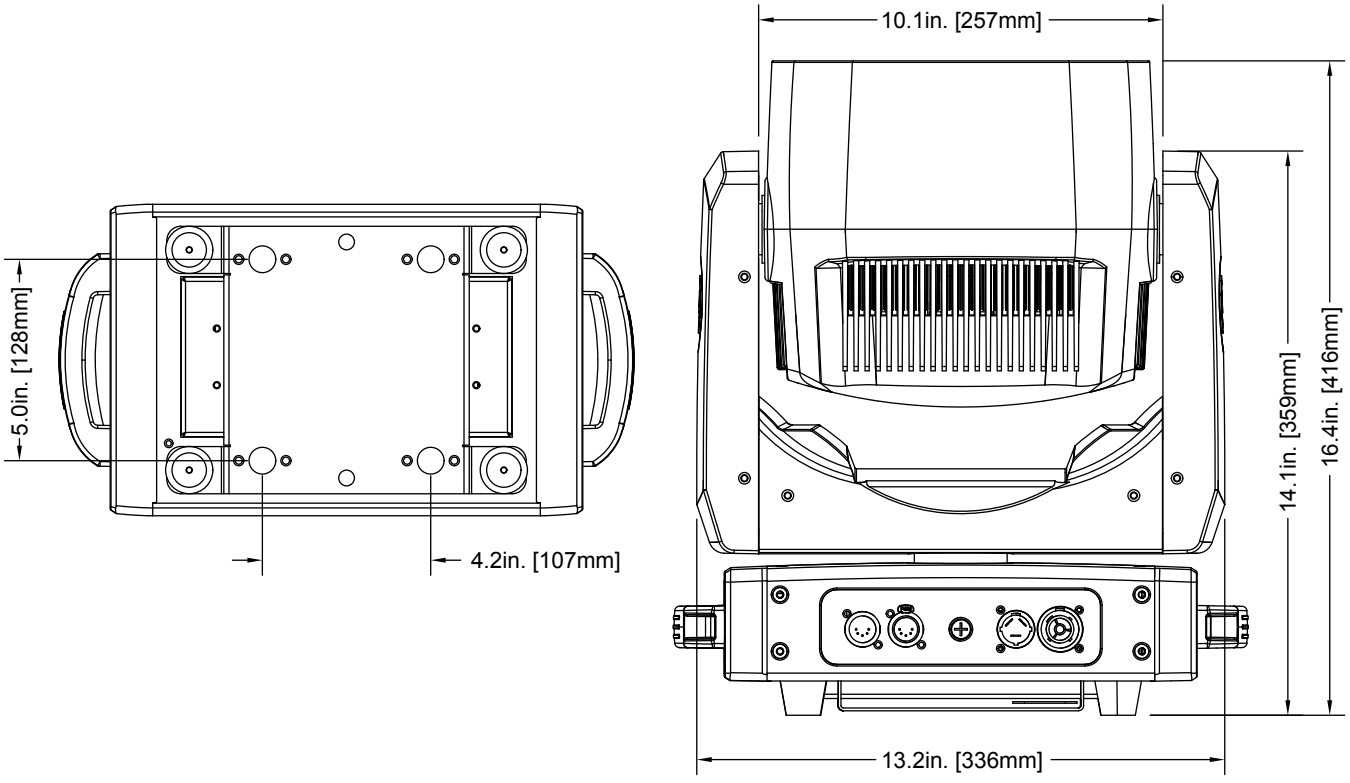
What’s Included:
107mm Omega Brackets (2x)
1x 1.85M, IP65-rated locking power cable

Approvals / Rating:
cETLus (Control #5027824)
CE (Pending)
FCC (Pending)
UKCA (Pending)
IP20

Specifications are subject to change without notice.

DIMENSIONAL DRAWINGS





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!