ELATION®



FUZE WASH 250™

user manual

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DOCUMENT VERSION

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

Date	Document Version	Software Version ≥	DMX Channel Modes	Notes
12/03/25	1.0	1.0.1	Standard, Extended, RGB, RGB Extended, CMY, CMY Extended	Initial Release
12/09/25	1.1	1.0.3	N/C	Added Aria Pages
12/23/25	1.2	N/C	N/C	Updated: Aria Setup and Guidelines, Specifications
05/13/26	1.3	N/C	N/C	Updated: Safety Guideline, Fan Control, Specifications
08/14/26	1.4	N/C	N/C	Updated: General Info, DMX Traits, Specifications; Added Index

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GENERAL INFORMATION

FOR PROFESSIONAL USE ONLY

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.

COOLING

After usage, the lamp may be switched off, but the fixture should remain connected to power in order to allow the fan time to cool down the fixture.

UNPACKING

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

BOX CONTENTS

2x Omega Bracket
1x Safety cable
1x Power cable
1x Snoot

CUSTOMER SUPPORT

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

ELATION SERVICE USA - Monday - Friday 8:00am to 4:30pm PST
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ELATION SERVICE EUROPE - Monday - Friday 08:30 to 17:00 CET
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REPLACEMENT PARTS please visit parts.elationlighting.com

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.

GENERAL INFORMATION

LIMITED WARRANTY

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

USA: https://www.elationlighting.com/warranty-information

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

PRODUCT REGISTRATION

To register your product, please visit the page listed below or scan the QR code.

USA: https://www.elationlighting.com/pages/product-warranty-registration

SAFETY GUIDELINES

This fixture is a sophisticated piece of electronic equipment. To guarantee a smooth operation, it is important to follow all instructions and guidelines in this manual. Elation Professional is not responsible for injury and/or damages resulting from the misuse of this fixture due to the disregard of the information printed in this manual. Only qualified and/or certified personnel should perform installation of this fixture and only the original rigging parts (omega brackets) included with this fixture should be used for installation. Any modifications to the fixture and/or the included mounting hardware will void the original manufactures warranty and increase the risk of damage and/or personal injury.

The light source in this luminaire must only be replaced by the manufacturer, their service agent, or a similarly qualified individual.

Do not stare directly at the light source during operation.

Position the luminaire at a safe viewing distance of at least 3 meters (10 feet) from the audience to prevent it from shining directly into the eyes of viewers for extended periods of time.



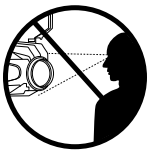
PROTECTION CLASS 1 - FIXTURE MUST BE PROPERLY GROUNDED



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



DO NOT PLUG FIXTURE INTO A DIMMER PACK!
NEVER OPEN THIS FIXTURE WHILE IN USE!
UNPLUG POWER BEFORE SERVICING FIXTURE!
NEVER TOUCH FIXTURE DURING OPERATION, AS IT MAY BE HOT!
KEEP FLAMMABLE MATERIALS AWAY FROM FIXTURE!



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



INDOOR / DRY LOCATIONS USE ONLY!
DO NOT EXPOSE FIXTURE TO RAIN AND MOISTURE!



MINIMUM DISTANCE TO OBJECTS/SURFACES
MUST BE 1.6 FEET (0.5 METERS)
DISTANCE BETWEEN OBJECTS 1.6 FEET (0.5 METER)
MAXIMUM TEMP OF EXTERNAL SURFACE 176° F (80°C)
MINIMUM DISTANCE OF FLAMMABLE MATERIALS 1.6 FEET (0.5 METER)

SAFETY GUIDELINES

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

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

DO NOT operate fixture if the power cord is frayed, crimped, damaged and/or if any of the power cord connectors are damaged and do not insert into the fixture securely with ease. NEVER force a power cord connector into the fixture. If the power cord or any of its connectors are damaged, replace it immediately with a new one of similar power rating.

DO NOT block any air ventilation slots.

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

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

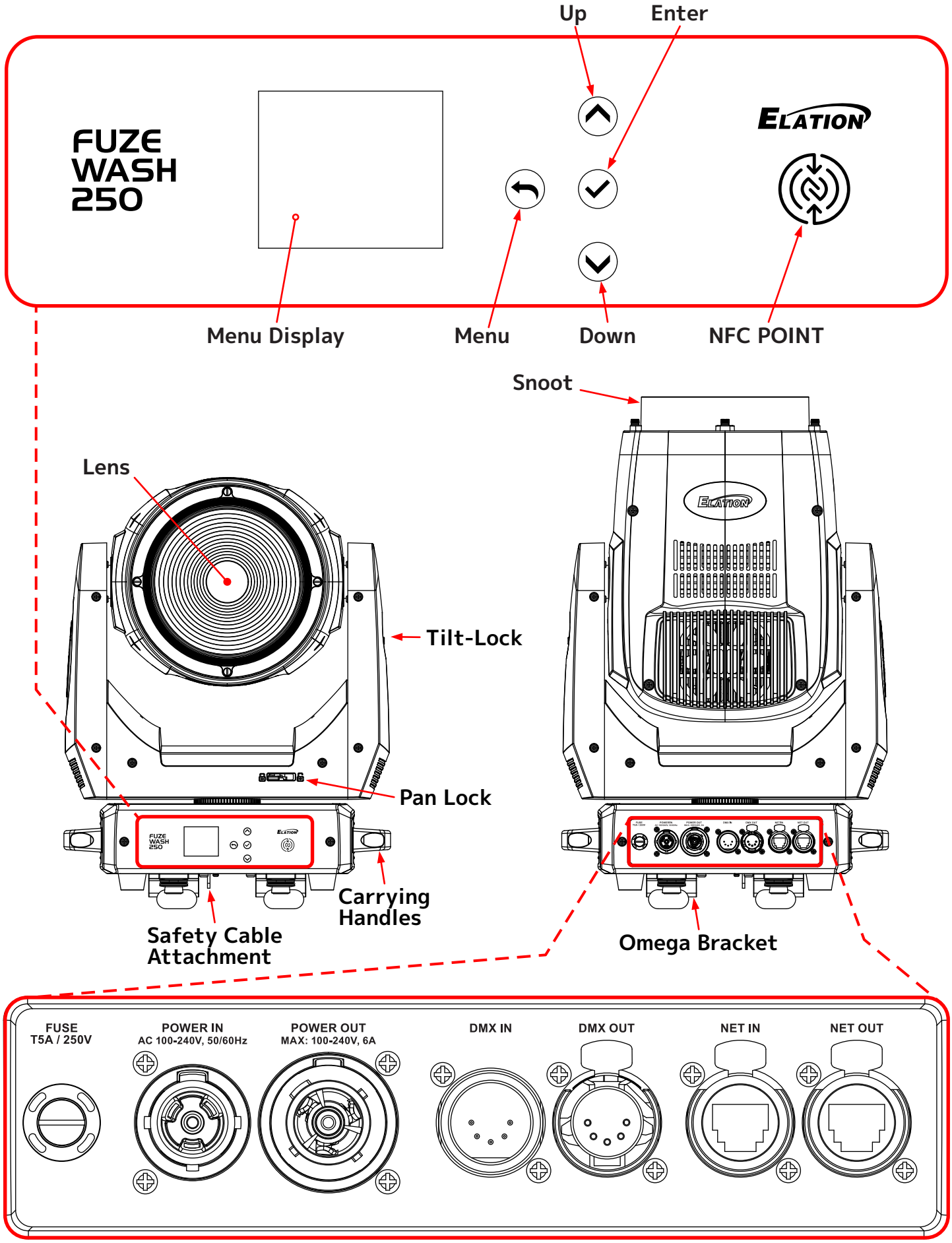
Always disconnect fixture from main power source before performing any type of service and/or cleaning procedure. Only handle the power cord by the plug end, never pull out the plug by tugging the wire portion of the cord.

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

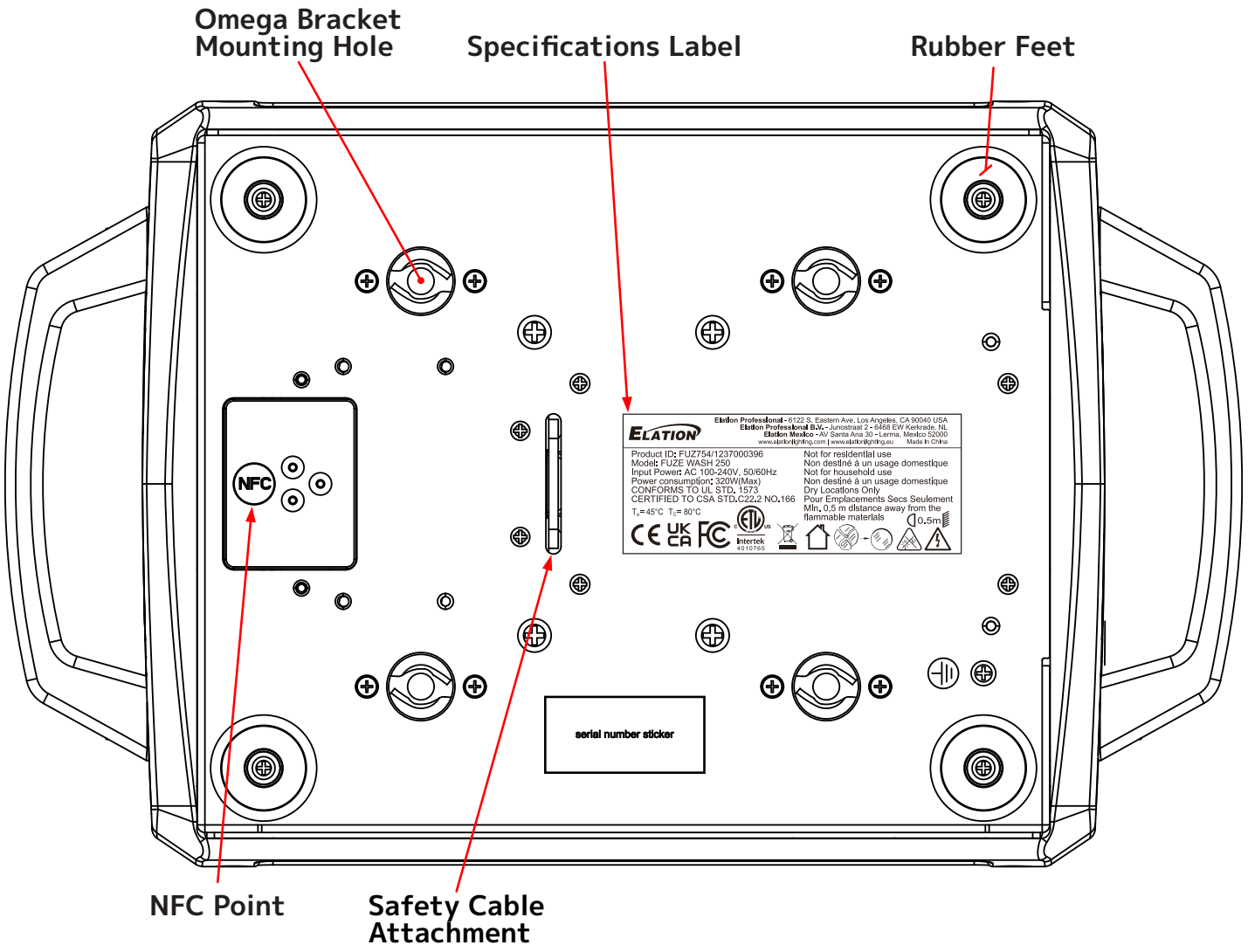
Consistent operational breaks will ensure fixture will function properly for many years.

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

OVERVIEW


Up
Enter
FUZE WASH 250
ELATION
Menu Display
Menu
Down
NFC POINT
Snoot
Lens
Tilt-Lock
Pan Lock
Carrying Handles
Safety Cable Attachment
Omega Bracket
FUSE T5A / 250V
POWER IN AC 100-240V, 50/60Hz
POWER OUT MAX: 100-240V, 6A
DMX IN
DMX OUT
NET IN
NET OUT

OVERVIEW


Omega Bracket Mounting Hole
Specifications Label
Rubber Feet
NFC
serial number sticker
NFC Point
Safety Cable Attachment

FAN CONTROL AND LOW NOISE OPERATION

The Elation Fuze Wash 250 is a high-performance fixture suited for multiple applications. For noise critical environments such as Theater, Opera, or Orchestral Halls, it offers various fan operation modes which remove unwanted noise distractions 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 period, preventing unwanted attraction to the fixture.

Auto – The default AUTO mode ensures optimal performance of the fixture. Fans only run at the speeds needed to keep the LED engine within a safe temperature range. They will turn off if possible, 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 at 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: Auto is the recommend mode for daily operation of the Elation Fuze Wash 250.**

High – This mode is only required in very high ambient temperatures when automatic fan speed adjustments are not desired. High Fan Speed will cool the fixture most efficiently. 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. Fixture output is kept at 100% unless the LED engine temperature is too high, at which point the fixture will reduce power carefully to ensure safe operation.

Low – In this mode the fixture reduces fan speeds throughout for a lower noise profile of the fixture. This mode should be sufficient for most uses where lower noise is required. The fixture output is reduced to about 80%.

Additional Low Noise Modes

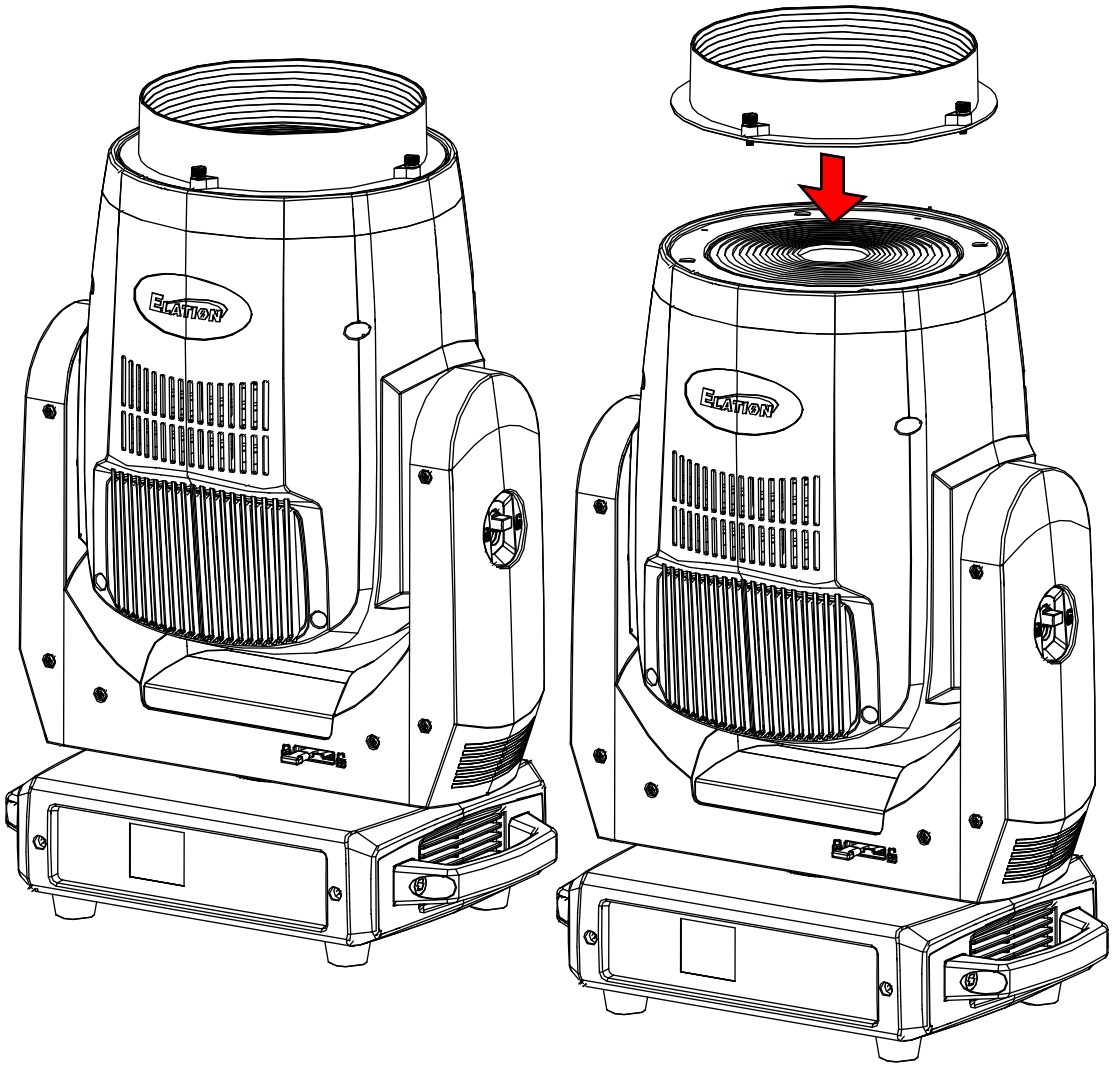
For very critical situations, the Fuze Wash 250 offers two additional low noise modes for silent operation. The fixture output will be reduced, but as the Fuze Wash 250 has such an extremely high luminous flux, it still offers outstanding performance. In low noise modes, all parameters of the fixture operate quieter and with reduced speeds.

Studio – This mode reduces the fixture output to approximately 50%. Almost all fans inside the fixture are turned off, and only run when necessary to keep the fixture at 50% LED power.

Mute – Running the fixture in MUTE mode reduces the fixture to about 25% output, and all fans are off. The fixture is totally silent.

ACCESSORY INSTALLATION: SNOOT

Note: For focused beam control, this unit is intended to work at all times with the snoot installed.



If this accessory is removed, it will be necessary to reinstall the Snoot:

1. Place fixture on the stable flat surface and let cool for 15mins.
2. Align Snoot onto front lens, making sure that the indentation on the inner edge of the Snoot is aligned with the gear on the front of the unit. This should also result in the 4 screw holes on the snoot being correctly aligned with the 4 screw holes on the fixture.
3. Carefully, using a hand screwdriver, insert/secure included 4 screws.
4. Check Snoot to confirm it is seated properly and all 4 screws are secure.

DO NOT OVER TIGHTEN SCREWS! DO NOT USE A POWER SCREWDRIVER!

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.



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



SAFETY DISTANCE BETWEEN OBJECTS 1.6 FEET (0.5 METERS)



MINIMUM DISTANCE OF LIGHTING OBJECTS 1.6 FEET (0.5 METER)



MAXIMUM AMBIENT TEMPERATURE 113° F (45°C)



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.

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

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

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

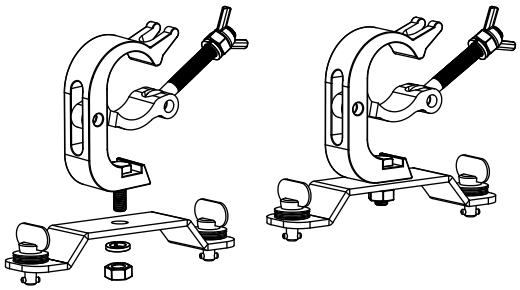
Overhead fixture installation must always be secured with a secondary safety attachment, such as an appropriately rated safety cable.

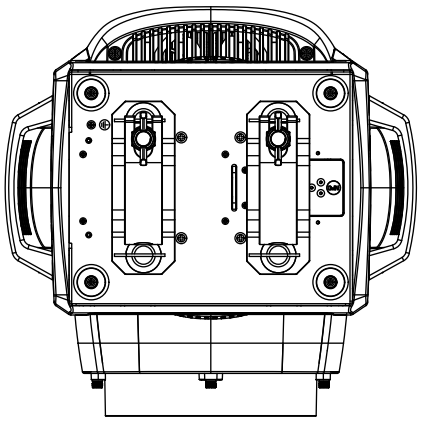
Allow approximately 15 minutes for the fixture to cool down before serving.

INSTALLATION GUIDELINES

OMEGA BRACKETS INSTALLATION

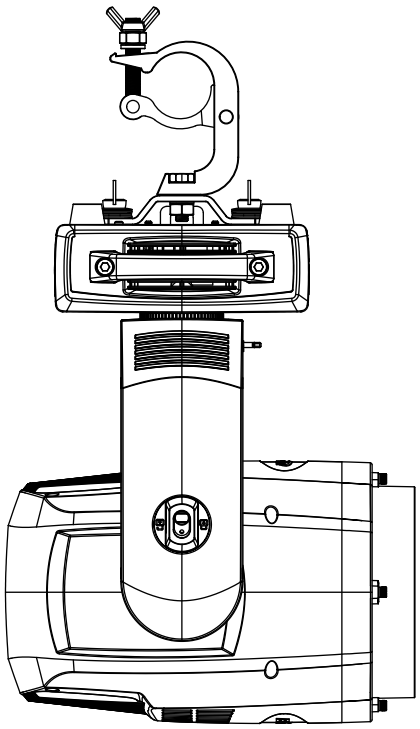
Insert the Omega Brackets into the matching holes on the bottom of the fixture. Secure the Omega Brackets to the fixture by turning each quick-lock fastener ¼ turn clockwise; making sure the fastener is completely locked. Omega Brackets can be installed into the fixture base as illustrated below.

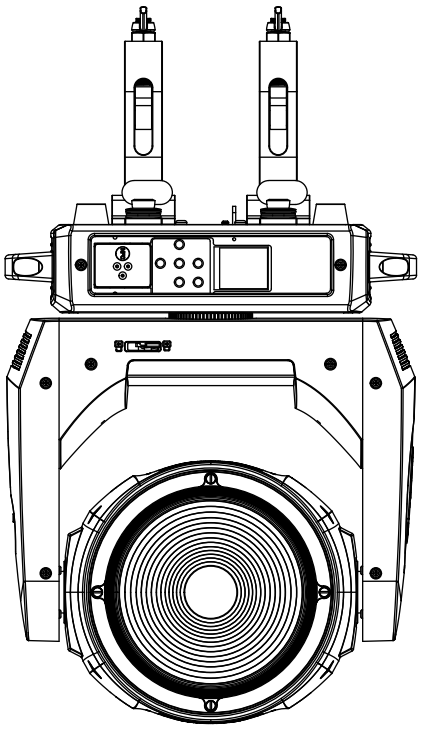




SAFETY CABLE

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





CLAMP INSTALLATION

When mounting fixture to truss, be sure to secure an appropriately rated professional grade rigging clamp to the included **Omega Brackets** using an M10 screw fitted through the center hole of the **Omega Brackets**. The fixture provides built-in rigging points for a **SAFETY CABLE** (not included). Be sure to only use one of the designated rigging points for the safety cable and never secure a safety cable to a carrying handle.

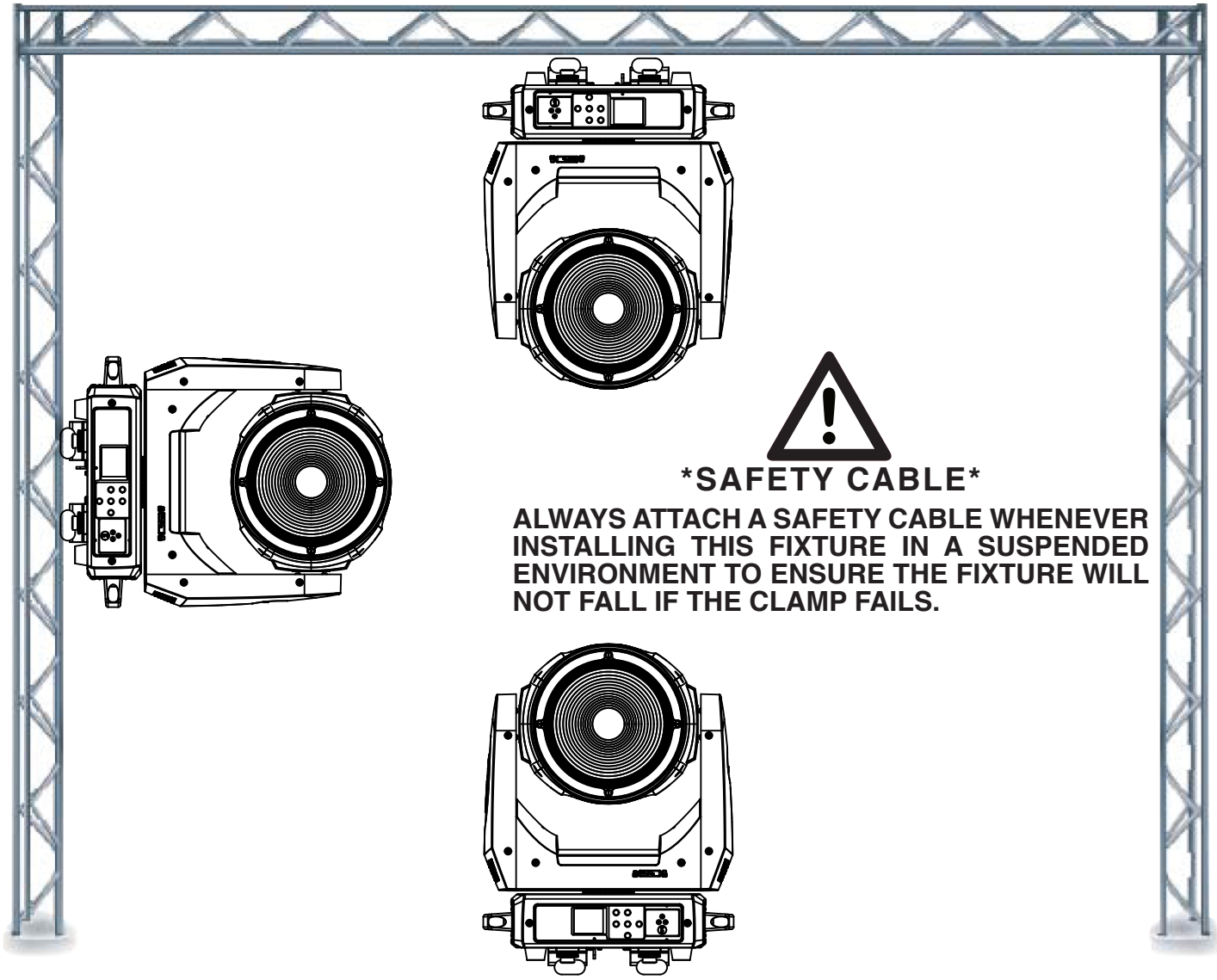
RIGGING

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.

INSTALLATION GUIDELINES

FIXTURE INSTALLATION

The Elation Fuze Wash 250 is fully operational in three different mounting positions, hanging upside-down, mounted sideways on trussing, or set on a flat level surface. Always use and install the supplied safety cable 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.



ART-NET | sACN CONNECTION

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

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

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.

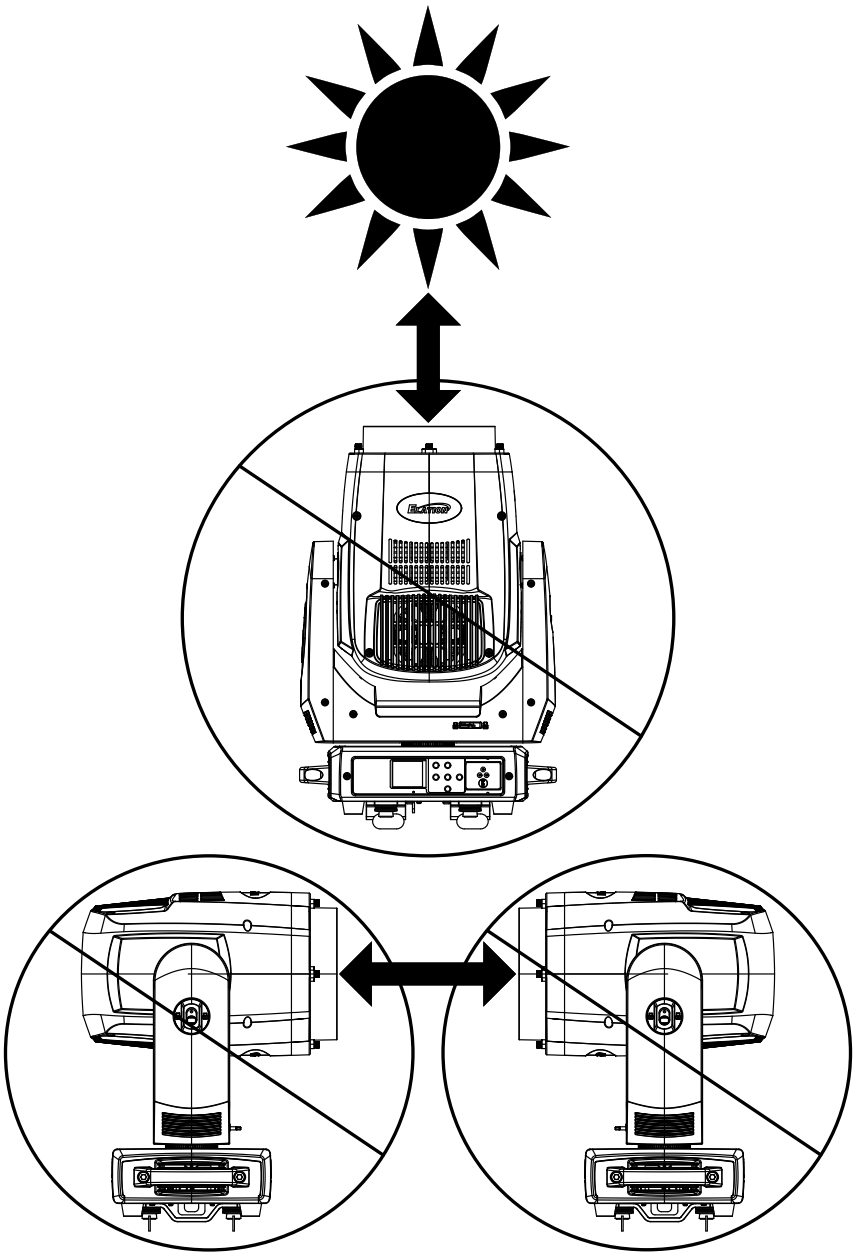
INSTALLATION GUIDELINES

POTENTIAL INTERNAL FIXTURE DAMAGE FROM EXTERNAL SOURCES OF LIGHT BEAMS

External sources of light beams from direct sunlight, lighting moving head fixtures, and lasers, which are focused directly towards the exterior housing and/or penetrate the front lens opening of ELATION 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 ELATION 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 ELATION 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.



ARIA SETUP AND GUIDELINES

2GHZ Versus Sub-Gig (GHz) Frequencies:

Sub-GHz frequencies provide superior reliability and range compared to higher frequencies, making them perfect for consistent communication across vast distances or in difficult conditions. Devices operating in the sub-GHz range, which refers to frequencies below 1 GHz, can transmit signals over significant distances and can penetrate physical barriers such as walls and buildings more effectively. Additionally, these frequencies experience less interference compared to those in the heavily congested 2.4-GHz band, which is commonly used by wireless devices.

In the United States, the 900 MHz band is a versatile frequency range that is utilized by various services, with the FCC overseeing its allocation and regulation.

In the European Union, the 868 MHz frequency is designated by ETSI as the Sub-Gig frequency.

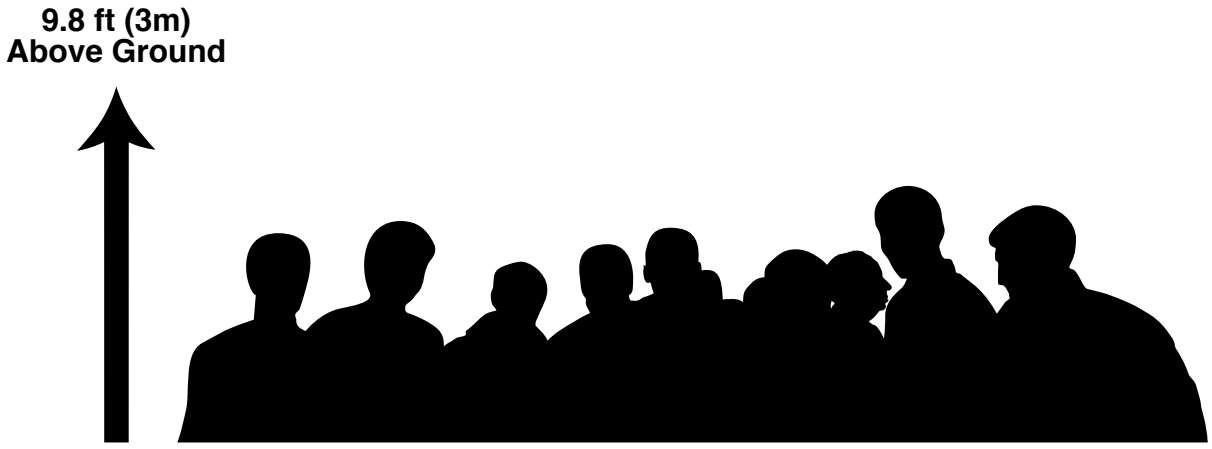
In summary, if an application demands high data rates and more bandwidth in urban or densely populated areas where interference management is feasible, the 2.4 GHz frequency is a suitable choice. On the other hand, for applications requiring long-range communication and better obstacle penetration, particularly in rural or industrial settings with fewer regulatory constraints, a sub-GHz frequency (<1 GHz) is a better option.

Installation Recommendations:

With the many factors that affect and/or interrupt a wireless signal such as walls, glass, metal, objects, and people, it is highly recommended to:

- Install devices a minimum of 9.8 ft. (3m) above audiences and/or ground level where practical.
- Adjust the wireless antenna in a vertical upright position
- Position devices in direct line of sight of the controlling device

Careful planning and testing of the selected installation location is critical to ensure optimum and reliable wireless operation.



ARIA SETUP AND GUIDELINES

GENERAL INFORMATION

The Aria Bluetooth app has the ability to connect wirelessly to any device that has Aria wireless DMX installed and has Bluetooth enabled.

Before installing the fixture in a remote location, double check that the fixture's main power is switched on, and that the Bluetooth function has been enabled in the fixture's system menu. Certain fixtures may have Bluetooth disabled by default. If this function is disabled, then the fixture cannot be configured remotely using the Aria app, and will have to be configured directly from the fixture's control screen.

Additionally, the user should consider setting the fixture's No DMX setting to "Hold Last". This will allow the fixture to continue running using the current settings, even if the Aria app device moves out of range, the app is closed, or the signal is otherwise interrupted, minimizing disruption in the operation of the fixtures.

LEGACY DEVICES

Please note that legacy connected devices, such as those using Wifly, E-Fly, or Magfly, are not compatible with this app. For such legacy devices, the use of a bridge is recommended, as the bridge can communicate with these devices via its SM220 protocol.

The Aria X2 BLE app is currently available from the Apple app store.

FIXTURE IDENTIFICATION

Aria compatible devices can be identified and connected via the Fixtures tab in the app. This tab displays a field of twenty-four buttons that can be assigned to Aria compatible devices that are within range, and the buttons will automatically be assigned to devices in the order in which they are discovered. If more than twenty-four units are within range, it may be necessary to use the filter feature to search for the desired fixture. Button location can be edited by selecting the configuration key, then the user can drag and drop the buttons to the desired location and hit save to keep changes. Once a device is known to the app, it can also be assigned to a particular button. From that point forward, the assigned device will always be assigned to that button location.

IMPORTANT NOTE: For version 0.65 or higher, a shared system password is required to connect to any device.

Unlike wireless DMX, Bluetooth is a connect first protocol. To connect to a device or fixture, tap the assigned button in the **Fixtures** tab. If the connection is successful, a green frame will appear around the button, indicating that the app was able to retrieve the current channel values from the fixture. The app must be connected to a fixture in order to use its channel controls or view and change settings. Please note that not all Aria devices have channel controls.

Additionally, each fixture can only be connected to one device with the app at any given time. Once a fixture is connected to the app installed on one device, any other devices will be blocked from connecting. As a result, when setting up a new fixture for the first time, best practice is to have only a single user with the app open within range, in order to ensure that the fixture pairs to the intended user's device.

ARIA SETUP AND GUIDELINES

The second table section shows all Aria devices detected in range. A checkmark indicates the device is currently assigned to a button. If more than 24 devices are within range, the user may remove or add devices to the buttons list by tapping a row to check or uncheck a device. If all buttons are full, it will be necessary to uncheck a device before adding another.

Filter: The user can filter which Aria devices get button assignments by tapping "filter" at the top of the view. A popup will appear where the user can enter text to filter devices by username, model name, or manufacturer. **Please note that these searches are case sensitive.**

Note: If a device shows an asterisk (*) it means that there is no fixture profile currently available, and therefore there will be limited support available for that device. The user will still be able to connect and adjust channels if the device supports that feature, but the user will not be able to view how many channels the device has or the channel names.

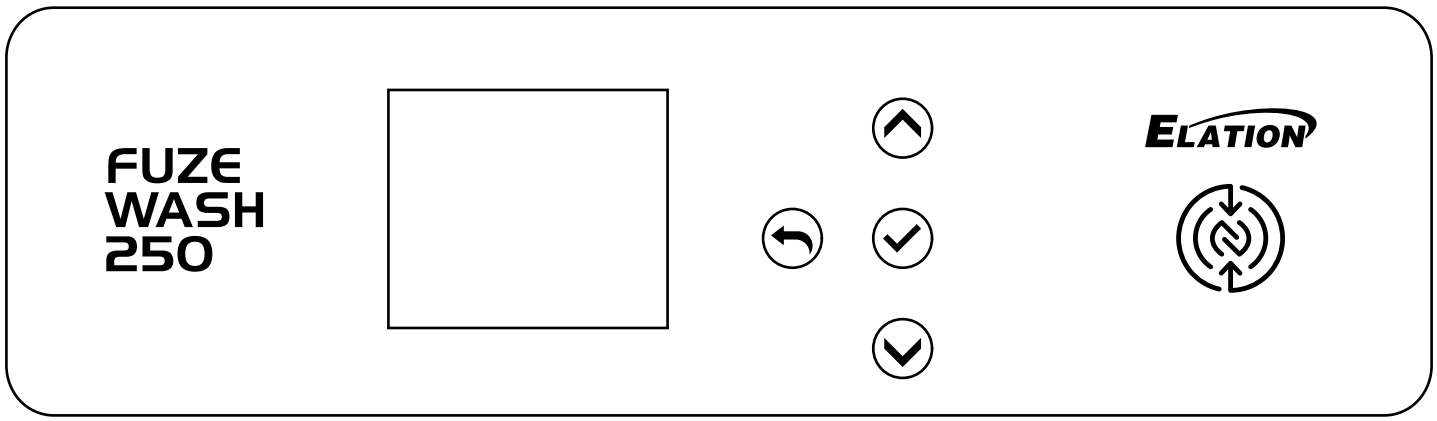
SECURITY

Each fixture must have a password saved to be secure. When a new fixture is installed for the first time, its password will automatically be set to the app's system password on first connection. Once the password has been entered, the user will need to exit out to the main page containing the fixture buttons, then de-select and re-select the fixture to lock in the password. From that point forward only, controlling devices that use the correct password can connect to this fixture. **This security is now required by law in most jurisdictions.**

The app will detect any Aria capable fixture within range, even if the app does not have the password to that fixture and therefore cannot access that fixture. If that fixture is selected in the app, the green frame will momentarily appear around that fixture's button, but then disappear. This indicates that the fixture is visible but inaccessible.

SYSTEM MENU

The fixture includes an easy to navigate system menu. The LCD panel display located on the front of the fixture (see image below), provides access to the main system menu and is where all necessary system adjustments are made to the fixture. During normal operation, pressing the **ENTER (Check Mark)** button once will access the fixture's main menu. Once in the main menu you can navigate through the different functions and access the sub-menus with the **UP** and **DOWN** buttons. Once you reach a field that requires adjusting, press the **ENTER** button to activate that field and use the **UP** and **DOWN** buttons to adjust the field. Pressing the **ENTER** button once more will confirm your setting. You may exit the main menu at any time without making any adjustments by pressing the **ESC (Back Arrow)** button.



AN ELATION C-LOADER II CAN ALSO BE USED TO UPDATE THE FIXTURE TO THE LATEST SOFTWARE. To order this device, please contact Elation Support for further details.

Detailed instructions can be found online at www.elationlighting.com.

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

ELATION SERVICE EUROPE - Monday - Friday 08:30 to 17:00 CET
+31 45 546 85 63 | support@elationlighting.eu

SYSTEM MENU

MAIN MENU	OPTIONS / VALUES (Default Settings in **BOLD**)		
DMX	Dmx Address	**001**~ 512	
	DMX Mode	**Standard**, **Extended**, RGB, RGB Extended, CMY, CMY Extended	
	No DMX Status	**Hold Last**, Fade to Black	
		Hibernation	Off, 1-99M (**Default = 15 Min**)
	Protocol	Select Signal	**DMX**, Art-Net, sACN, Aria In-DMX Out, DMX In - Aria Out
		Universe	1
		DHCP	**Off**/On
		IP Address	2.x.x.x
		Subnet Mask	**255.0.0.0**
		Ethernet DMX Out	**Off**/On
	Aria	Enable Aria	**Off** / On
		Frequency	**2.4Ghz** / Sub Gig- US / Sub Gig- EU
		2.4Ghz Chan	**00**-15
		Sub Gig Chan	**00**-09
		Enable Mesh	**Off** / On
		Enable Bluetooth	**Off** / On
Control	Manual Control	Dimmer 0% - 100%, Pan, Tilt, ...	
	Reset	All	
		Pan Tilt	
		Zoom	
	Self Test	All, Dimmer, Movement, Color Mix, Beam	
Settings	Fan Mode	Mute, Studio, Low, High, **Auto**	
	Movement	Pan Invert	**Off**/On
		Tilt Invert	**Off**/On
		Pan Tilt Speed	Smooth/Fast/**Very Fast**
		Pan Tilt Feedback	Off/**On**
		Zoom Speed	Smooth/**Fast**
	Dimmer Curve	Linear, Square, Square Inverse, **S-Curve**	
	Dimmer Mode	**Standard**, Stage, TV, Architectural, Theatre, Stage 2	
		Dim Speed	0s - 10s
	LED Refresh Rate	900Hz - 1500Hz, 2500Hz, 4000Hz, 5000Hz, 6000Hz, **10KHz**,15KHz, 20KHz, 25KHz	
	Color Tuning	Highest Fidelity	
		Balanced Output and Fidelity	
		Highest Output	
	Output Balance	**Bright (Highest Output)**	
		Uniform (Elation Full Spectrum Match)	
	LED Power Limit	50%, 60%, 70%, 80%, 90%, **100%**	
	Display	Screen Delay	10s - 5min (Default = **1 min**)
		Screen Lock	**Off**, 10s - 5 min
		Auto Rotate	Off/**On**
	Reset Defaults	Yes / No	

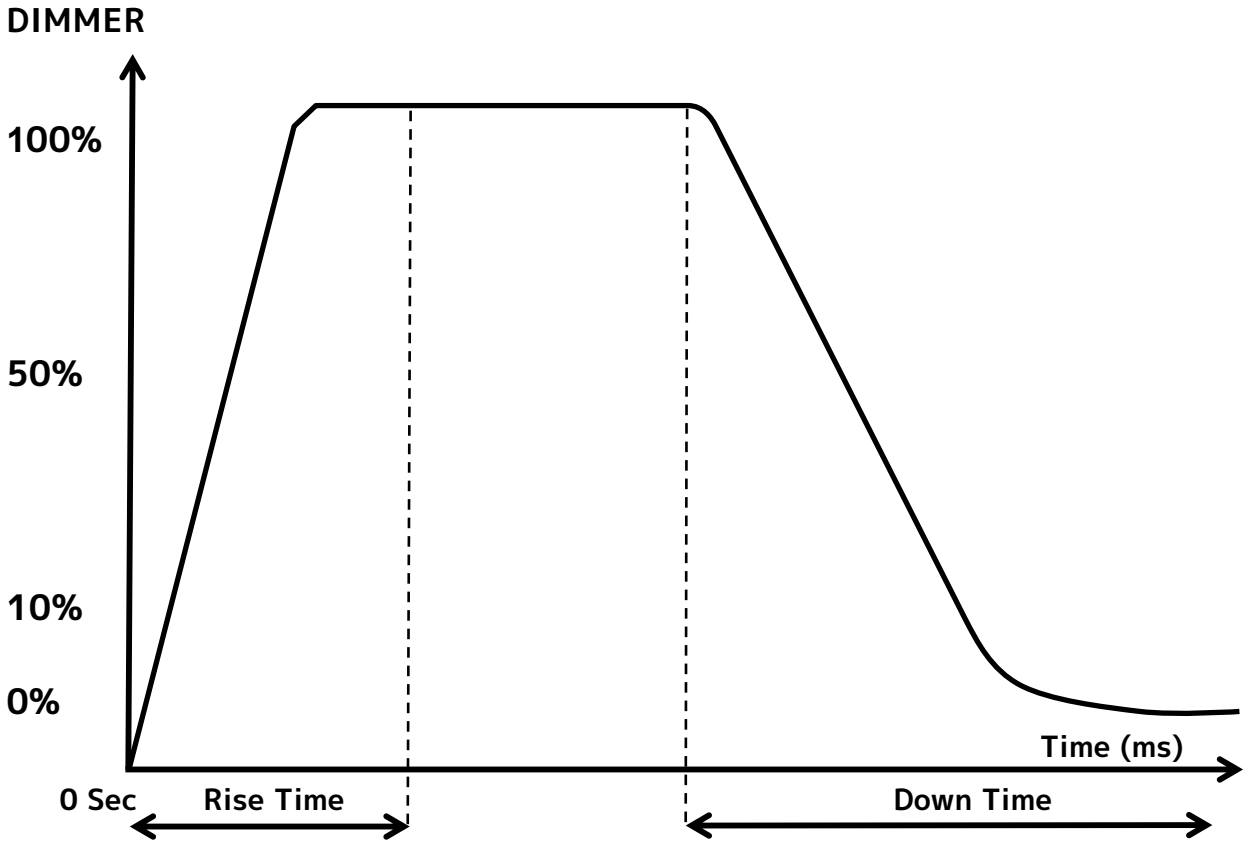
SYSTEM MENU

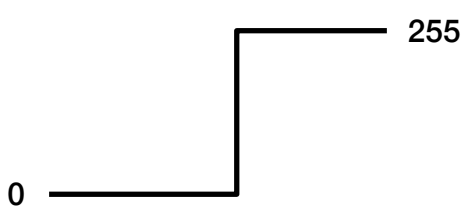
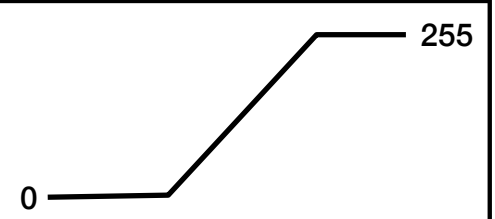
MAIN MENU	OPTIONS / VALUES (Default Settings in **BOLD**)	
Information	Time	Current Time, Total Run Time, Last Run Time, LED Time
	Temperature	Head, Base, LED
	Fan	Fan xx, ...
	DMX Values	Pan, Tilt, ...
	Product IDs	RDM UID
	Error Logs	Fixture Errors
	Software Version	Vx.x
Service (Passcode 50)	Calibration	Dimmer, Pan, Tilt, ...
	Reset Last Run	Yes / No
	Reset Error Logs	Yes / No

DISPLAY SHORTCUTS

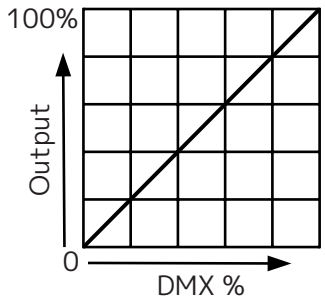
Power On	
Up+Down (3s)	disable Pan Tilt
Back + Enter (10s)	countdown 10 sec
	Reset to Default (no/yes)

DIMMER MODE

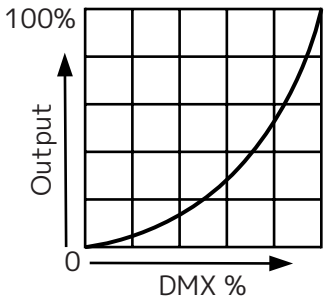


Dimming Curve Ramp Effect	0 sec Fade Time 		1 sec Fade Time 	
	Rise Time (ms)	Down Time (ms)	Rise Time (ms)	Down Time (ms)
Standard (default)	0	0	0	0
Stage	780	1100	1540	1660
TV	1180	1520	1860	1940
Architectural	1380	1730	2040	2120
Theatre	1580	1940	2230	2280
Stage 2	0	1100	0	1660

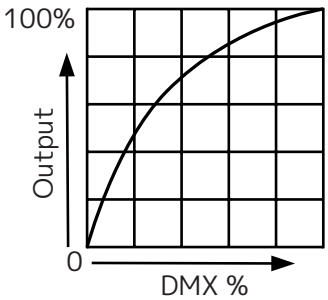
DIMMER CURVES



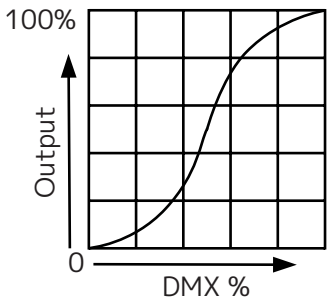
LINEAR



SQUARE



INVERSE SQUARE



S-CURVE

DMX TRAITS

Features subject to change without notice									
MODE/CHANNEL						VALUE	FUNCTION	SNAP	DEFAULT
STD	EXT	RGB	RGB EXT	CMY	CMY EXT				
1	1	1	1	1	1	0-255	**Pan** Left → Right		127
2	2	2	2	2	2	0-255	**Pan Fine** Fine Position		127
3	3	3	3	3	3	0-255	**Tilt** Forward → Backward		127
4	4	4	4	4	4	0-255	**Tilt Fine** Fine Position		127
5	5	5	5			0-255	Red 0 → 100%		0
	6		6			0-255	**Red Fine** Fine Saturation		0
6	7	6	7			0-255	Green 0 → 100%		0
	8		8			0-255	**Green Fine** Fine Saturation		0
7	9	7	9			0-255	**Blue** 0 → 100%		0
	10		10			0-255	**Blue Fine** Fine Saturation		0
8	11					0-255	**Mint** 0 → 100%		0
	12					0-255	**Mint Fine** Fine Saturation		0
9	13					0-255	**Amber** 0 → 100%		0
	14					0-255	**Amber Fine** Fine Saturation		0
				5	5	0-255	**Cyan** 0 → 100%		0
					6	0-255	**Cyan Fine** Fine Saturation		0
				6	7	0-255	**Magenta** 0 → 100%		0
					8	0-255	**Magenta Fine** Fine Saturation		0
				7	9	0-255	**Yellow** 0 → 100%		0
					10	0-255	**Yellow Fine** Fine Saturation		0

DMX TRAITS

Features subject to change without notice									
MODE/CHANNEL						VALUE	FUNCTION	SNAP	DEFAULT
STD	EXT	RGB	RGB EXT	CMY	CMY EXT				
10		8		8			**CCT Presets**		0
						0-23	Open (6000K)		
						24-85	2400K → 8500K (See Sheet)		
						86-255	8500K		
	15		11		11		**Variable CCT**		0
						0-23	Open (6000K)		
						24-255	2400K → 8500K		
	16		12		12	0-255	**Variable CCT Fine**		0
							Fine Adjustment		
	17		13		13		**Green Shift**		0
						0	Idle		
						1-127	Full Minus Green to Neutral		
						128	Neutral White		
						129-255	Neutral to Full Plus Green		
11	18	9	14	9	14		**Color**	X	0
						0	Open		
						1-179	Virtual Swatch Book (See Sheet)		
							Scroll		
						180-201	Clockwise Fast → Slow		
						202-207	Stop		
						208-229	Counter-clockwise Slow → Fast		
						230-234	Open		
							Random Slots		
						235-239	Fast		
						240-244	Medium		
						245-249	Slow		
						250-255	Open		
12	19	10	15	10	15	0-255	**Zoom**		127
							Narrow → Wide		
13	20	11	16	11	16		**Strobe**	X	50
						0-31	Closed		
						32-63	Open		
						64-95	Strobe effect slow to fast		
						96-127	Open		
						128-159	Pulse Effect		
						160-191	Open		
						192-223	Random Slow → Fast		
						224-255	Open		

DMX TRAITS

Features subject to change without notice									
MODE/CHANNEL						VALUE	FUNCTION	SNAP	DEFAULT
STD	EXT	RGB	RGB EXT	CMY	CMY EXT				
14	21	12	17	12	17	0-255	**Dimmer**		0
							0 → 100%		
15	22	13	18	13	18	0-255	**Dimmer Fine**		0
							Fine Adjustment		
							Dimmer Modes		
						0-20	Standard		
						21-40	Stage		
						41-60	TV		
						61-80	Architectural		
						81-100	Theatre		
						101-120	Stage 2		
							Dimmer Time		
						121	0s		
						122	0.1s		
						123	0.2s		
						124	0.3s		
						125	0.4s		
						126	0.5s		
						127	0.6s		
						128	0.7s		
	23		19		19	129	0.8s	X	0
						130	0.9s		
						131	1.0s		
						132	1.5s		
						133	2.0s		
						134	3.0s		
						135	4.0s		
						136	5.0s		
						137	6.0s		
						138	7.0s		
						139	8.0s		
						140	9.0s		
						141	10s		
						142-149	Idle		
							Dim to Warm		
						150-154	DTW On		
						155-159	DTW Off		
						160-255	Idle		
							Pan / Tilt Speed		
						0-225	Max → Min Speed		
	24		20		20	226-235	Blackout by movement	X	0
						236-245	Blackout by other changes		
						246-255	No function		

DMX TRAITS

Features subject to change without notice									
MODE/CHANNEL						VALUE	FUNCTION	SNAP	DEFAULT
STD	EXT	RGB	RGB EXT	CMY	CMY EXT				
							Control		
						0-39	Idle		
						40-44	Low Noise - Mute		
						45-49	Low Noise - Studio		
						50-59	Fan Control - Low		
						60-69	Fan Control - High		
						70-79	Fan Control - Auto (Default)		
						80-84	All motor reset		
						85-87	Pan / Tilt reset		
						88-93	Zoom reset		
						94-99	Idle		
							Refresh Rate (Hz)		
						100	900		
						101	910		
						102	920		
						103	930		
						104	940		
						105	950		
						106	960		
						107	970		
						108	980		
						109	990		
						110	1000		
						111	1010		
						112	1020		
						113	1030		
16	25	14	21	14	21	114	1040	X	0
						115	1050		
						116	1060		
						117	1070		
						118	1080		
						119	1090		
						120	1100		
						121	1110		
						122	1120		
						123	1130		
						124	1140		
						125	1150		
						126	1160		
						127	1170		
						128	1180		
						129	1190		
						130	1200		
						131	1210		
						132	1220		
						133	1230		
						134	1240		
						135	1250		
						136	1260		
						137	1270		
						138	1280		
						139	1290		
						140	1300		

DMX TRAITS

Features subject to change without notice									
MODE/CHANNEL						VALUE	FUNCTION	SNAP	DEFAULT
STD	EXT	RGB	RGB EXT	CMY	CMY EXT				
						141	1310		
						142	1320		
						143	1330		
						144	1340		
						145	1350		
						146	1360		
						147	1370		
						148	1380		
						149	1390		
						150	1400		
						151	1410		
						152	1420		
						153	1430		
						154	1440		
						155	1450		
						156	1460		
						157	1470		
						158	1480		
						159	1490		
						160	1500		
						161	2500		
						162	4000		
						163	5000		
						164	6000		
						165	10000 (default)		
						166	15000		
16	25	14	21	14	21	167	20000	X	0
						168	25000		
						169-172	Idle		
						173	Hibernation Off		
						174	Hibernation		
						175	Pan Tilt Smooth		
						176	Pan Tilt Fast		
						177	Pan Tilt Very Fast		
						178	Zoom Speed Slow		
						179	Zoom Speed Fast		
							Color Tuning		
						180	Highest Fidelity		
						181	Balanced Output and Fidelity		
						182	Highest Output (Default)		
							Output Balance		
						183	Bright (Highest Output)		
						184	Uniform (Elation Full Spectrum Match)		
						185-200	Idle		
							Dimmer Curves		
						201-210	Linear		
						211-220	Square		
						221-230	Inverse Square		
						231-240	S-Curve (Default)		
						241-249	Idle		
						250-251	Display Off		
						252-253	Display On		
						254-255	Idle		

COLOR TEMPERATURE

DMX VALUE	COLOR TEMPERATURE (K)	DMX VALUE	COLOR TEMPERATURE (K)
24	2400	55	5500
25	2500	56	5600
26	2600	57	5700
27	2700	58	5800
28	2800	59	5900
29	2900	60	6000
30	3000	61	6100
31	3100	62	6200
32	3200	63	6300
33	3300	64	6400
34	3400	65	6500
35	3500	66	6600
36	3600	67	6700
37	3700	68	6800
38	3800	69	6900
39	3900	70	7000
40	4000	71	7100
41	4100	72	7200
42	4200	73	7300
43	4300	74	7400
44	4400	75	7500
45	4500	76	7600
46	4600	77	7700
47	4700	78	7800
48	4800	79	7900
49	4900	80	8000
50	5000	81	8100
51	5100	82	8200
52	5200	83	8300
53	5300	84	8400
54	5400	85	8500

VIRTUAL COLORS (COLOR SWATCH)

VALUE	FILTER #	COLOR	VALUE	FILTER #	COLOR
1	7	Pale Yellow	31	126	Mauve
2	103	Straw	32	49	Medium Purple
3	151	Gold Tint	33	58	Lavender
4	100	Spring Yellow	34	199	Palace Blue
5	10	Medium Yellow	35	119	Dark Blue
6	101	Yellow	36	132	Medium Blue
7	104	Deep Amber	37	120	Deep Blue
8	15	Deep Straw	38	165	Daylight Blue
9	179	Loving Amber	39	161	Slate Blue
10	21	Gold Amber	40	118	Light Blue
11	105	Orange	41	68	Sky Blue
12	158	Deep Orange	42	143	Pale Navy Blue
13	22	Dark Amber	43	131	Marine Blue
14	778	Millennium Gold	44	115	Peacock Blue
15	135	Deep Golden Amber	45	172	Lagoon Blue
16	24	Scarlet	46	116	Medium Blue Green
17	106	Primary Red	47	90	Dark Yellow Green
18	26	Bright Red	48	139	Primary Green
19	27	Medium Red	49	122	Fern Green
20	19	Fire	50	89	Moss Green
21	157	Pink	51	124	Dark Green
22	36	Medium Pink	52	88	Lime Green
23	111	Dark Pink	53	138	Pale Green
24	128	Bright Pink	54	203	Quarter CT Blue
25	148	Bright Rose	55	202	Half CT Blue
26	332	Special Rose Pink	56	201	FULL CT Blue
27	793	Vanity Fair	57	200	Double CT Blue
28	113	Magenta	58	206	Quarter CT Orange
29	46	Dark Magenta	59	205	Half CT Orange
30	48	Rose Purple	60	204	FULL CT Orange

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 device to be managed, modified, and monitored remotely (hence, remote device management). This protocol is ideal for fixtures installed in locations that are 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 it's 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
0x22A6	0x0068	61	Standard, Extended, RGB, RGB Extended, CMY, CMY Extended

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

The following parameters are accessible in RDM on this device:

[0x1031] Preset Playback	[0x00E0] DMX Personality
[0x0122] Default Slot Value	[0x00E1] DMX Personality Description
[0x00C2] Boot Software Version Label	[0x0400] Device Hours
[0x00C1] Boot Software Version ID	[0x0015] Comms Status
[0x0070] Product Detail ID List	[0x0031] Status ID Description
[0x0030] Status Messages	[0x0032] Clear Status ID
[0x0011] Proxied Device Count	[0x0405] Device Power Cycles
[0x0200] Sensor Definition	[0x0500] Display Invert
[0x0201] Sensor Value	[0x0501] Display Level
[0x0080] Device Model Description	[0x1010] Power State
[0x0081] Manufacturer Label	[0x0020] Queued Message
[0x0082] Device Label	

ERROR CODES

Error Codes subject to change without notice	
ERROR CODES	**DESCRIPTION**
PAN	Movement is not located in the default position after the reset.
Tilt	These messages will appear after a fixture reset if the magnetic-indexing circuit malfunctions (sensor failed, or magnet is missing) or there is a motor failure (defective motor or a defective motor IC drive on the main PCB). This error may also be displayed if the head/yoke was blocked during a reset function.
Zoom	
LED Temp	These messages will appear if there is a temperature and/or fan malfunction.
LED FAN	
BASE FAN	

MAINTENANCE GUIDELINES



DISCONNECT POWER BEFORE PERFORMING ANY MAINTENANCE!

CLEANING

Frequent cleaning is recommended to insure proper function, optimized light output, and an extended life. The frequency of cleaning depends on the environment in which the fixture operates: damp, smoky or particularly dirty environments can cause greater accumulation of dirt on the fixture's optics. Clean the external lens surface at least every 20 days with a soft cloth to avoid dirt/debris accumulation.
NEVER use alcohol, solvents, or ammonia-based cleaners.

MAINTENANCE

Regular inspections are recommended to insure proper function and extended life.

There are no user serviceable parts inside this fixture, please refer all other service issues to an authorized Elation service technician. Should you need any spare parts, please order genuine parts from an authorized Elation dealer.

Please refer to the following points during routine inspections:

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

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

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

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

NEVER remove the ground prong from the power cable.

SPECIFICATIONS

SOURCE
250W 6,500K RGBMA (Red, Green, Blue, Mint, Amber) LED Engine
30,000 Hour Average LED Life*
*Test lab conditions. May vary depending on several factors including but not limited to:
Environmental Conditions, Power/Voltage, Usage Patterns (On-Off Cycling), Control, and Dimming.

PHOTOMETRIC DATA
Total Lumen Fixture Output
8,500 (Integrating Sphere)
7,883 (Goniometer)
CRI 92
Zoom Range 6° - 50°
Field Angle 11.6° - 51.7°
Beam Angle 6.9° - 43.6°

EFFECTS
Motorized Zoom
Variable 16-bit Dimming Curve Modes
High Speed Electronic Shutter and Strobe
Pan Angle: 540°
Tilt Angle: 270°

COLOR
RGBMA Color Array
CMY and RGB Emulation
Variable CCT 2400K - 8500K
Green/Magenta Shift
Virtual Gel Swatch Book

CONTROL / CONNECTIONS
Standard, Extended, RGB, RGB Extended, CMY, and CMY Extended DMX Channel Modes
16-bit Pan, Tilt, and Dimming Control
DMX Adjustable LED Frequency
4 Button Control Panel
Full Color 180° Reversible LCD Menu Display
DMX, RDM, Art-Net, and sACN Protocol Support
Aria x2 Wireless Device Management
NFC Configuration
Locking 5pin XLR Connector In/Out
Locking IP65 Power Connector In/Out
RJ45 Ethernet Connector In/Out (Art-Net & sACN)

SIZE / WEIGHT
Length: 8.2 (208mm)
Width: 12.9” (327mm)
Vertical Height: 18.1” (459mm)
Vertical Height w/Snoot: 19.4" (493mm)
Weight: 24.8lbs. (11.3kg)

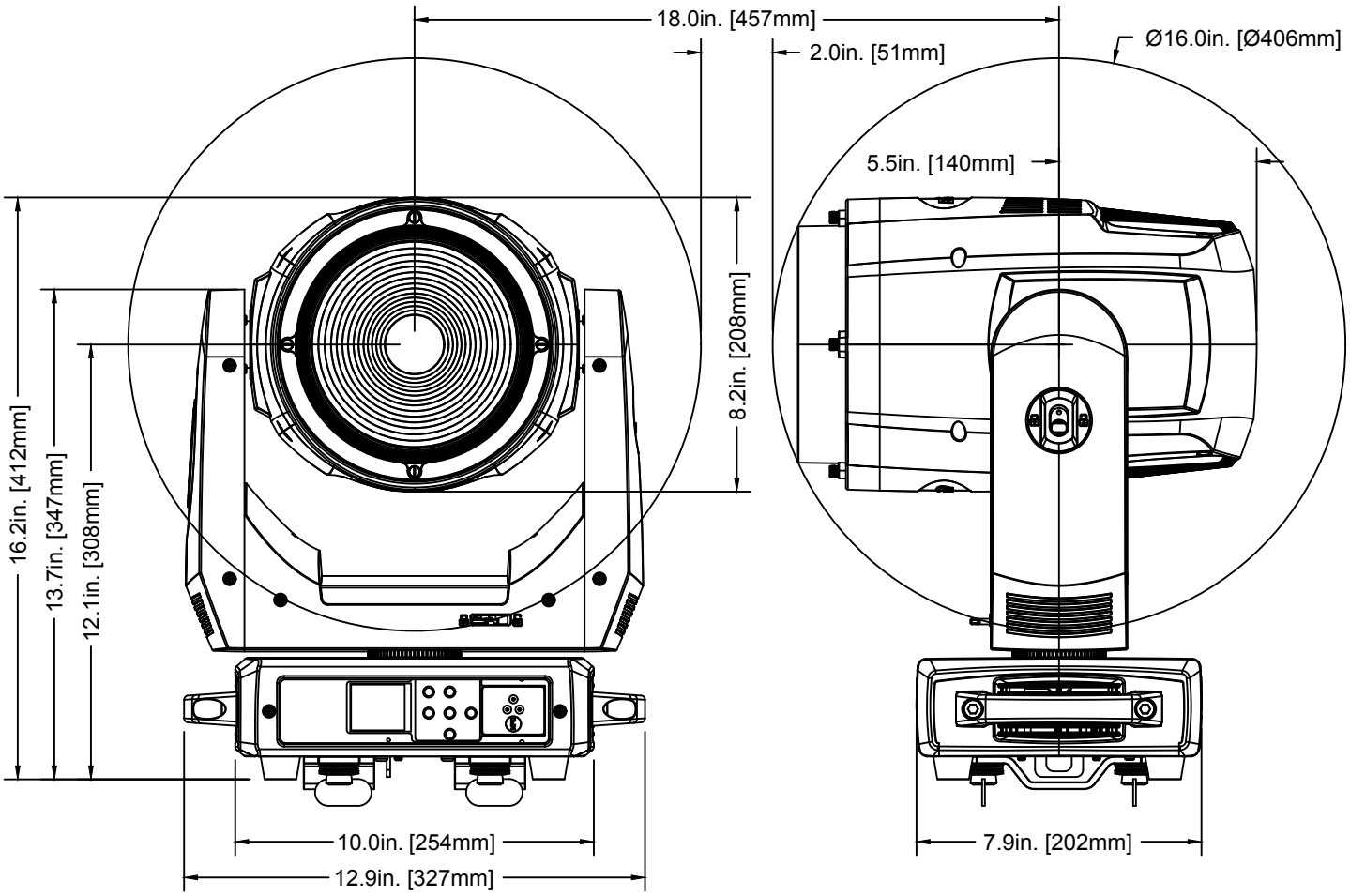
ELECTRICAL / THERMAL
AC 100-240V - 50/60Hz
Max Power Consumption 350W
14°F to 113°F (-10°C to 45°C)

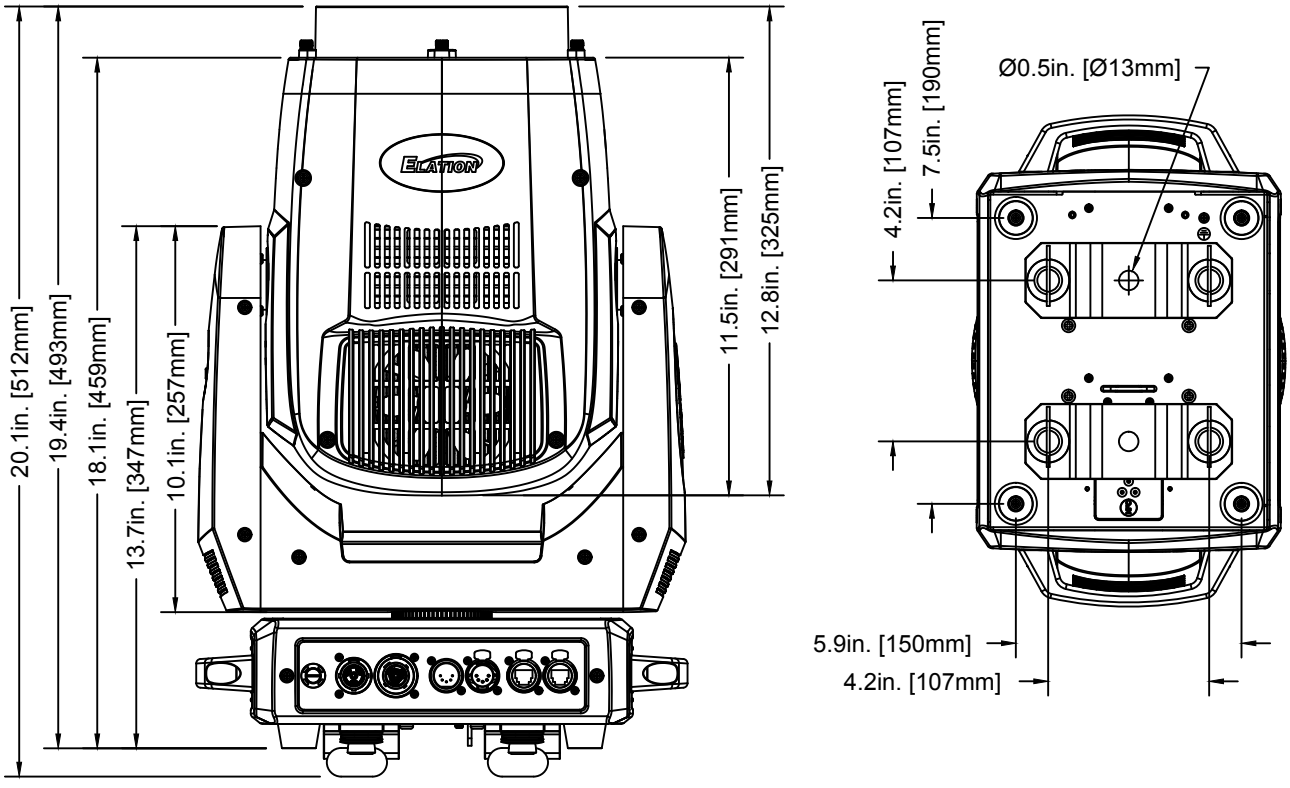
APPROVALS / RATINGS
CE | cETLus | IP20 | FCC

Specifications and documentation subject to change without notice.

DIMENSIONS

*Drawings not to scale.





OPTIONAL ACCESSORIES:

ORDER CODE		ITEM
US	EU	
FUZ754 (USA)	1237000396 (EU)	Elation Fuze Wash 250
TRIGGER CLAMP		Heavy Duty Wrap Around Hook Style Clamp
SIP126		5 ft. (1.5m) IP65 Twist Lock Power Link Cable
TOU027		5 ft. (1.5m) 5pin PRO DMX Cable
		Additional Cable Lengths Available

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

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

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

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!

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