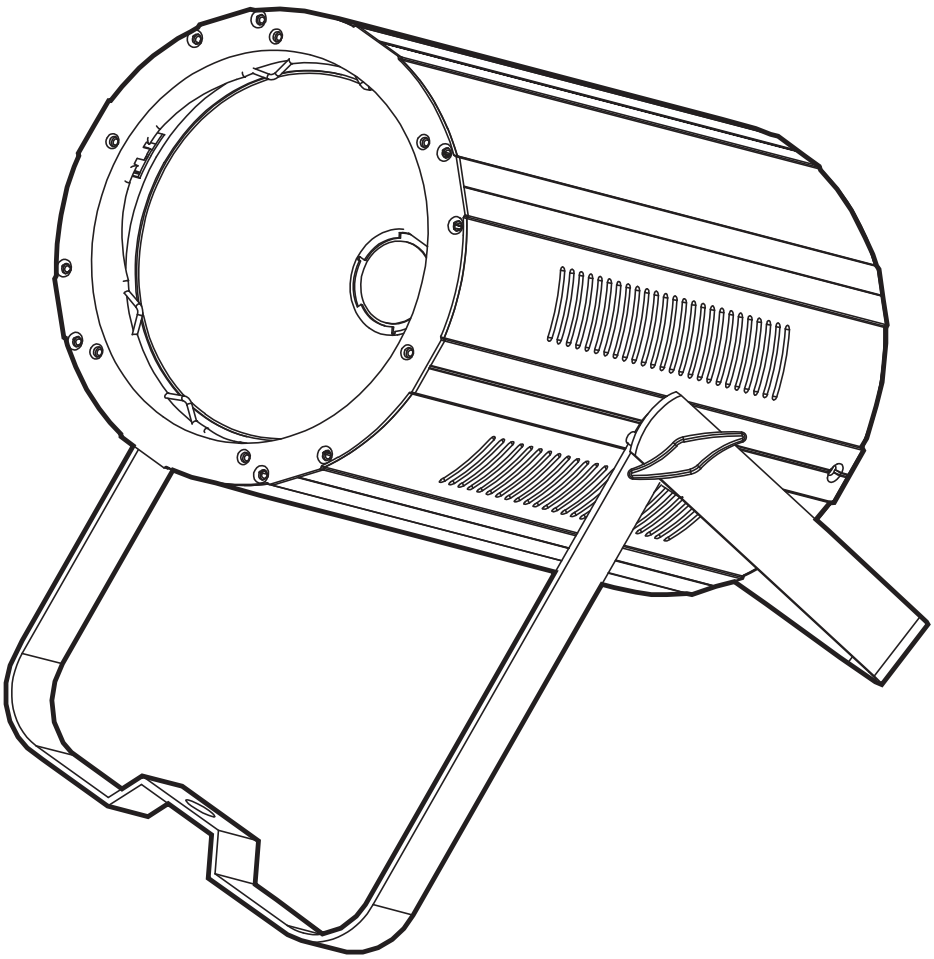


COB CANNON LP200X

User Manual

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
12/18/2024	1.0	1.0	5 / 8A / 8B / 9 / 10A / 10B / 12 / 13 / 16 / 20 Ch	Initial release
01/07/2025	1.1	N/C	No Change	Updated Specifications
02/06/2025	1.2	N/C	No Change	Updated Installation Instructions, Specifications
09/04/2025	1.3	N/C	No Change	Update Specifications
03/27/2026	1.4	N/C	No Change	Update Menu & DMX Traits

CONTENTS

GENERAL INFORMATION

INTRODUCTION

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

UNPACKING

This device has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect the device for damage and be sure all accessories necessary to 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 at the number listed below. Please do not discard the shipping carton in the trash. Please recycle whenever possible.

CUSTOMER SUPPORT

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

Parts: To purchase parts online visit:
http://parts.adj.com (US)
http://www.adjparts.eu (EU)

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

ADJ SERVICE EUROPE - Monday - Friday 08:30 to 17:00 CET
Voice: +31 45 546 85 60 I support@adj.eu

ADJ PRODUCTS LLC USA
6122 S. Eastern Ave. Los Angeles, CA. 90040
323-582-2650 I www.adj.com I info@adj.com

ADJ SUPPLY Europe B.V
Junostraat 2 6468 EW Kerkrade, The Netherlands
+31 (0)45 546 85 00 I www.adj.eu I info@adj.eu

ADJ PRODUCTS GROUP Mexico
AV Santa Ana 30 Parque Industrial Lerma, Lerma, Mexico 52000
+52 (728) 282-7070

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

- Embedded Aria X2 Wireless Management System
- Primary / Secondary Mode
- Flicker Free operation (No flickering on camera)
- Produces powerful, smooth RGBAL color mixing with rich palettes of color
- Scissor yoke allows fixture to be mounted on truss or set on the ground
- Optional Barn Doors (BAR001) sold separately

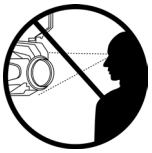
INCLUDED ITEMS

- (1) 50-degree lens
- (1) 40-degree lens
- UCIR24 Wireless IR Remote
- Power Cord
- Scissor Yoke
- Omega Bracket

SAFETY PRECAUTIONS

PROTECTION CLASS 1 - FIXTURES MUST BE PROPERLY GROUNDED.

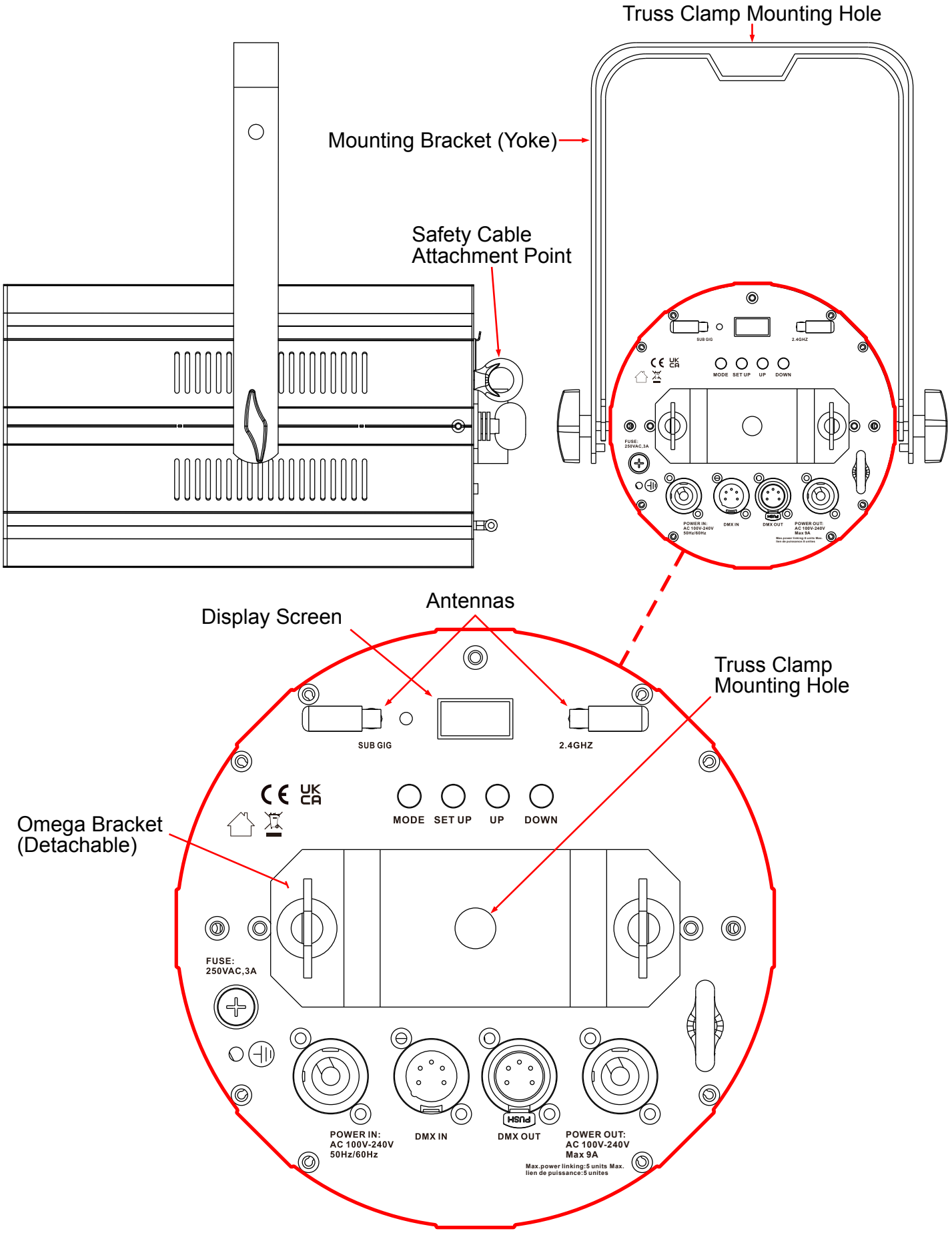
THERE ARE NO USER SERVICEABLE PARTS INSIDE THIS UNIT. DO NOT ATTEMPT ANY REPAIRS YOURSELF, AS DOING SO WILL VOID YOUR MANUFACTURER'S WARRANTY. DAMMAGES RESULTING FROM MODIFICATIONS TO THIS FIXTURE AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURERS'S WARRANTY 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 range is -4°F to 104°F (-20°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. 6" (15cm) between fixture and other devices or a wall for proper cooling.
- Always be sure to mount this unit in an area that will allow proper ventilation. Allow about 6" (15cm) between this device and a wall.
- **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


Truss Clamp Mounting Hole
Mounting Bracket (Yoke)
Safety Cable
Attachment Point
Display Screen
Antennas
Truss Clamp
Mounting Hole
Omega Bracket
(Detachable)
SUB GIG
2.4GHZ
MODE
SET UP
UP
DOWN
FUSE:
250VAC,3A
POWER IN:
AC 100V-240V
50Hz/60Hz
DMX IN
DMX OUT
PUSH
POWER OUT:
AC 100V-240V
Max 9A
Max.power linking:5 units Max.
lien de puissance:5 unites

INSTALLATION INSTRUCTIONS

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

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

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 range is **-4°F to 104°F (-20°C to 40°C).** Do not operate this device when ambient temperature falls outside this range.

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.

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.

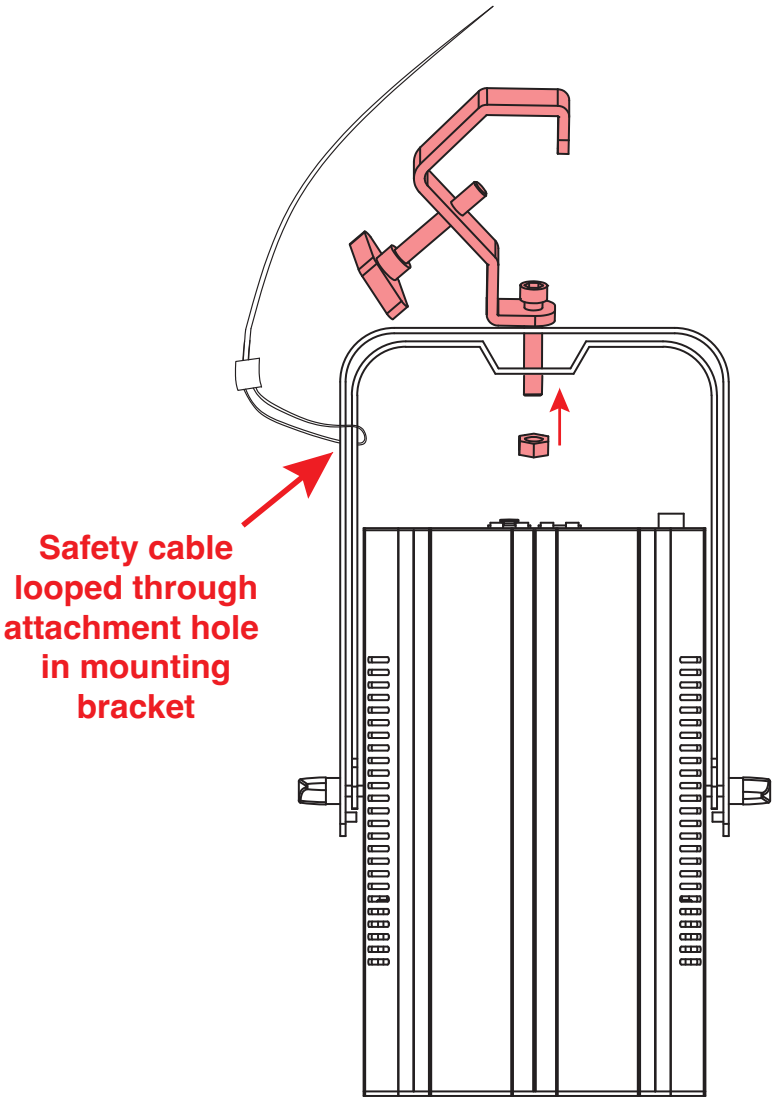
The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 2.32 m is not expected.

INSTALLATION INSTRUCTIONS

CLAMP MOUNTING

This fixture features a mounting hole for the attachment of mounting clamp on top of the mounting bracket. Align the hole on the clamp with the hole in the top of the bracket, then insert a bolt of the appropriate size through the aligned holes and secure in place with a matching nut. Additionally, a safety cable of the appropriate weight rating should be looped through the hole on the side of the mounting bracket. Refer to the image below.



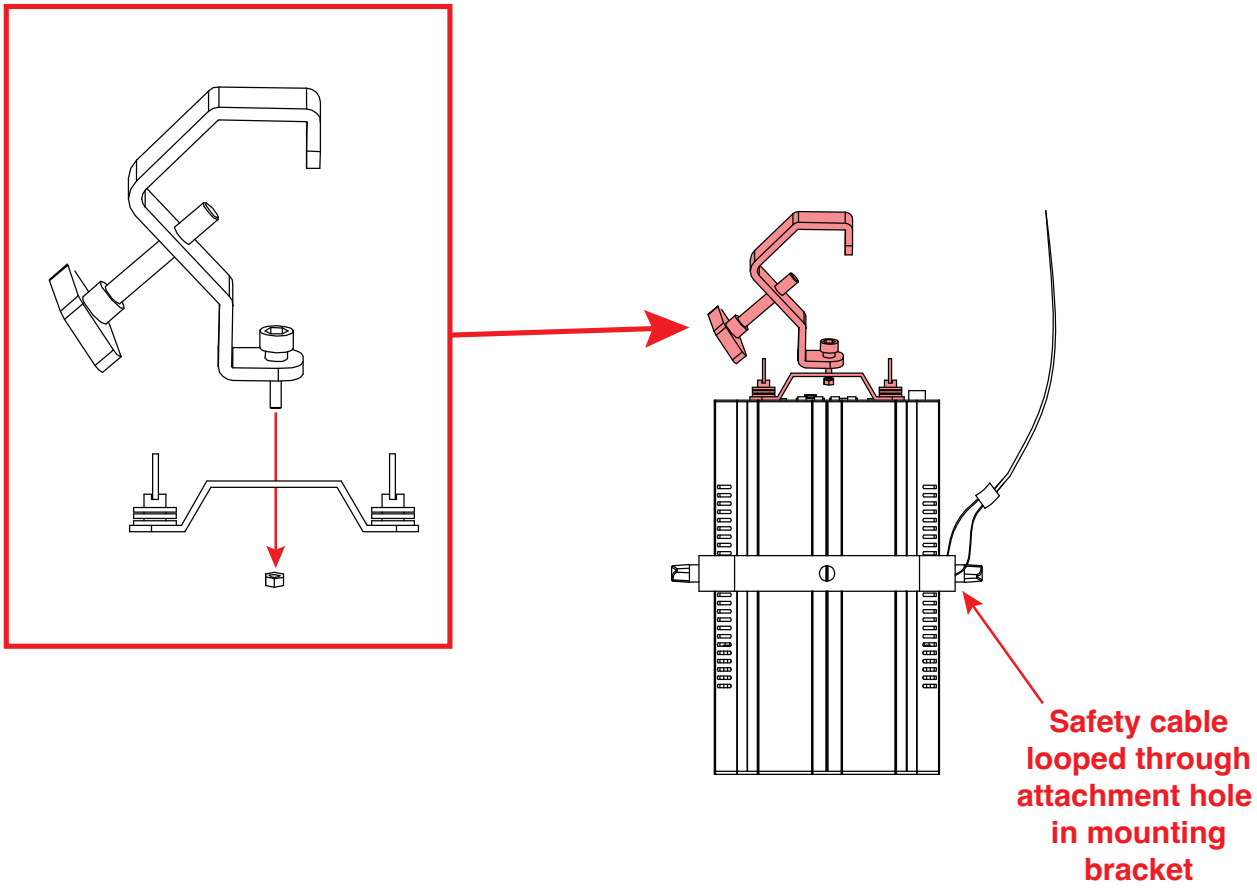
SAFETY CABLE:

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.

INSTALATION INSTRUCTIONS

OMEGA BRACKET MOUNTING

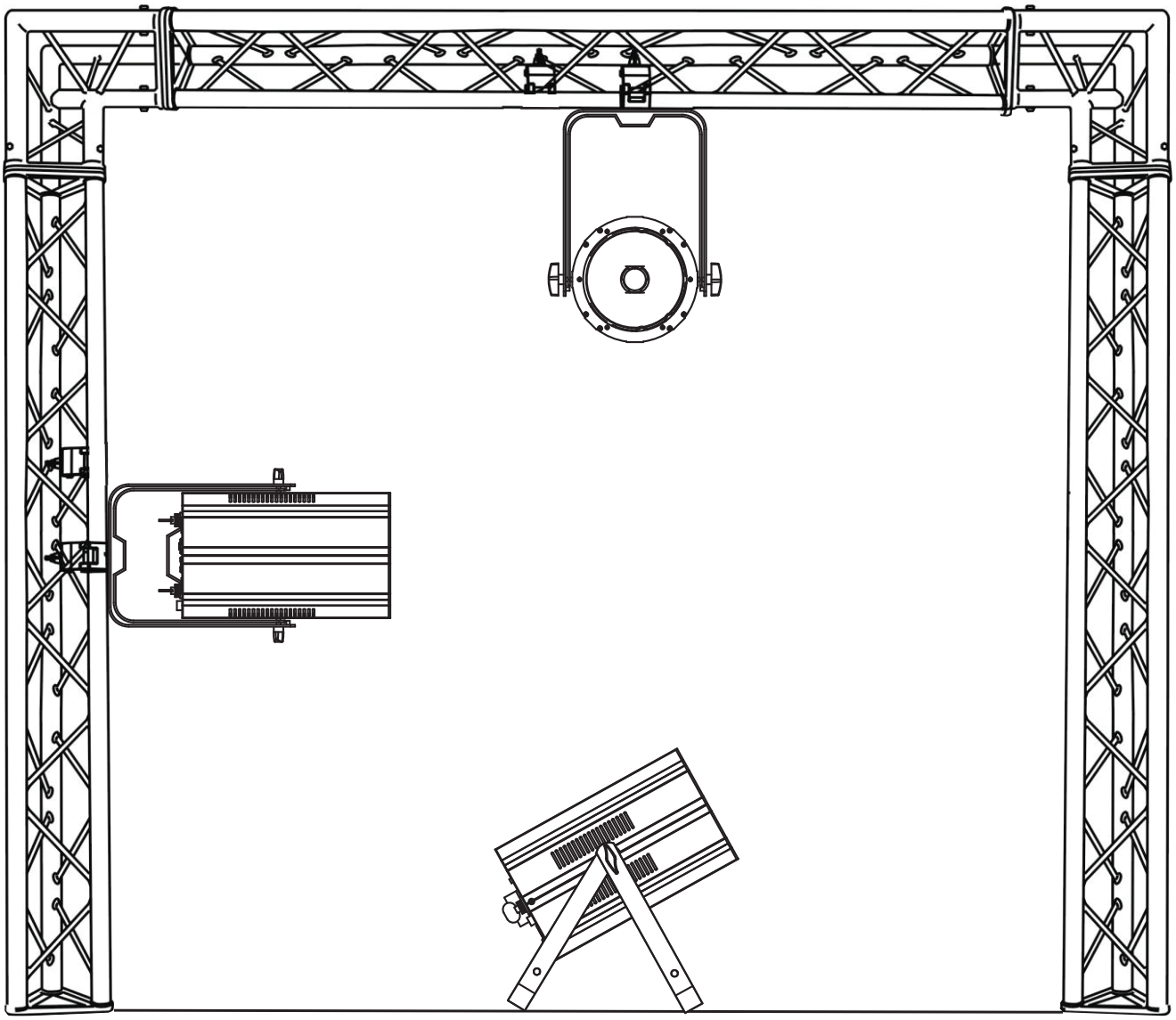
This fixture features mounting holes for the attachment of Omega clamps on the rear face near the control panel. When mounting the fixture to a truss or any other suspended structure, be sure to secure an appropriate rated clamp (not included) to each Omega bracket. Align the hole on the clamp and the Omega bracket, then insert a bolt of appropriate size and secure 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. Additionally, a safety cable of the appropriate weight rating should be looped through the hole on the side of the mounting bracket. Refer to the image below.



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 INSTRUCTIONS



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. Be sure this fixture is kept at least 12m (40ft) away from any flammable materials (decorations, etc). 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.

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.

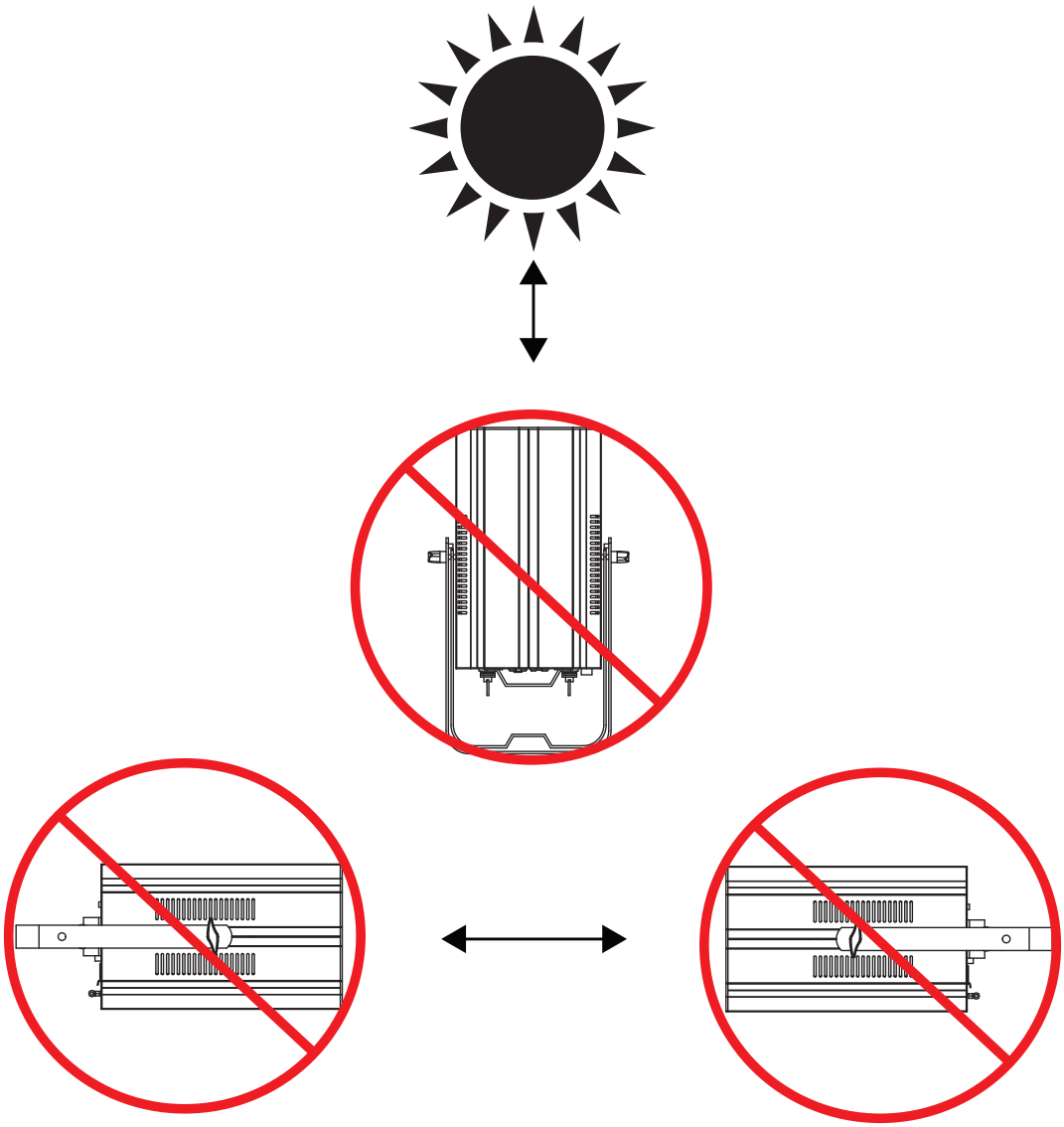
INSTALLATION INSTRUCTIONS

POTENTIAL INTERNAL FIXTURE DAMAGE FROM EXTERNAL SOURCES OF LIGHT BEAMS

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

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

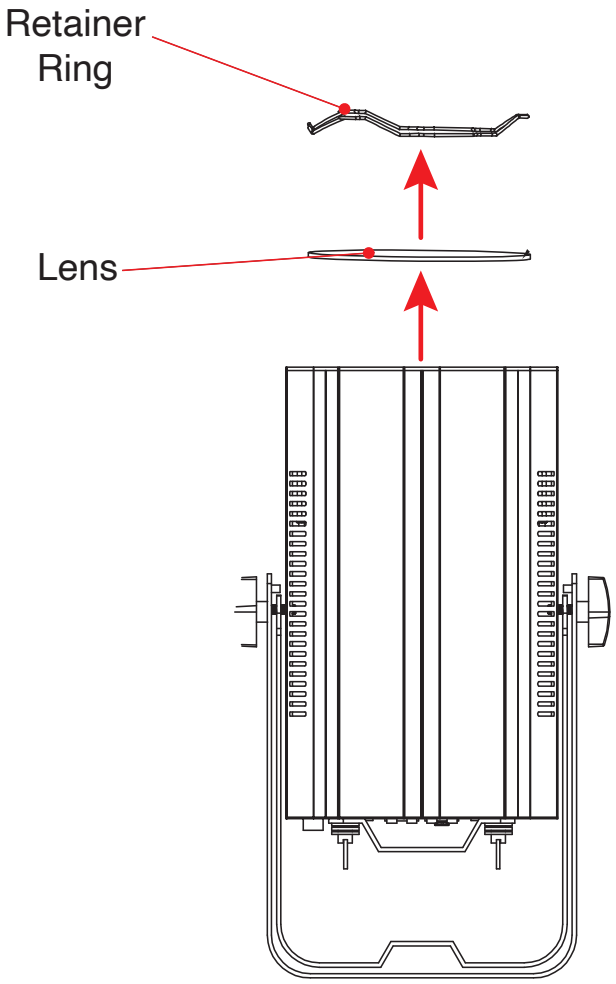
DO NOT EXPOSE THE FIXTURE AND/OR FRONT LENS OPENING TO LIGHT BEAMS FROM DIRECT SUNLIGHT, OTHER LIGHTING OR MOVING HEAD FIXTURES, AND LASERS DURING UNPACKING, INSTALLATION, USE, AND EXTENDED IDLE TIMES OUTDOORS. DO NOT FOCUS A LIGHT BEAM FROM ONE LIGHTING FIXTURE DIRECTLY TOWARDS ANOTHER.



ACCESSORY INSTALLATION

LENSES

This fixture can be fitted with either a 40° or 50° lens. To remove the lens, remove the lens retainer ring from its groove inside the lens frame, as shown below. The lens can then be removed and replaced with the desired lens. Secure the new lens in place by re-installing the retainer ring.



ARIA SETUP

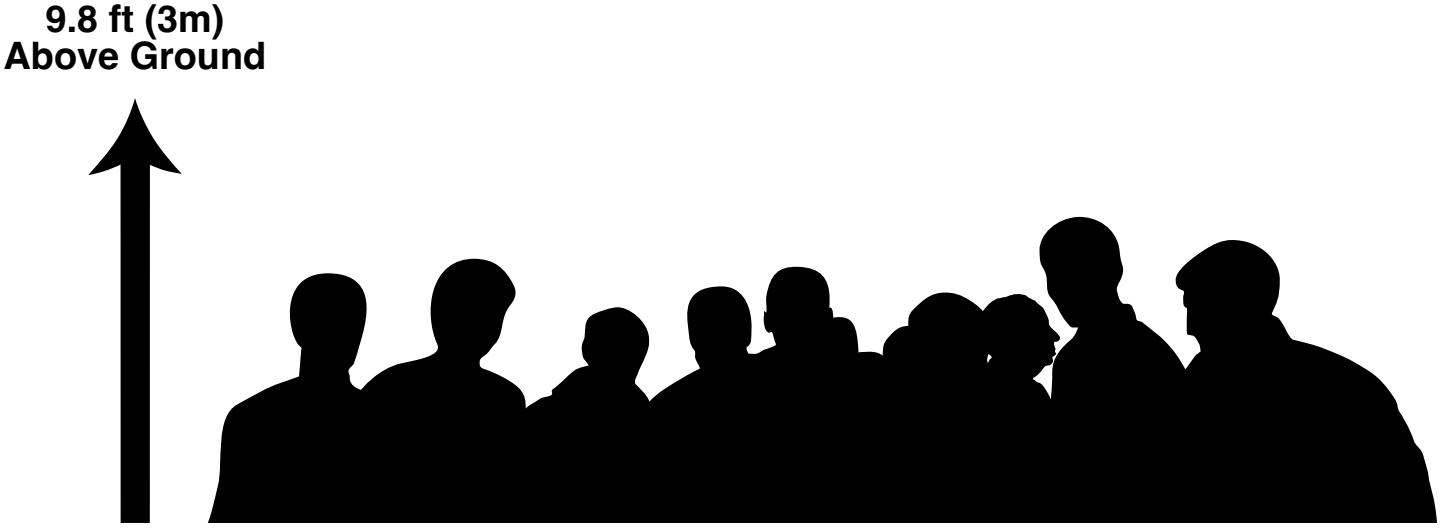
To set up wireless control, follow the steps below:

1. Navigate to Personality > Aria in the system menu. Press SETUP to select this menu.
2. Use UP and DOWN to scroll to the “Aria Enable” option, then press SETUP to select. Use UP and DOWN to toggle this setting to ON, then press SETUP to confirm.
3. Return to the Personality > Aria sub-menu, then use the UP and DOWN buttons to navigate to “Frequency”. Use the UP and DOWN buttons to select your desired operational frequency (2.4 GHz, Sub Gig US, or Sub Gig EU), then press SETUP to confirm.
4. Return to the Personality > Aria sub-menu, then use the UP and DOWN buttons to navigate to select either “2.4GHz Ch” or “Sub Gig Ch”, depending in which operational frequency was selected in step 3, then press SETUP to confirm. Use the UP and DOWN button to select the desired operational channel, then press SETUP to confirm.

There are many factors that can affect and/or interrupt a wireless signal, including walls, glass, metal, objects, and people. Therefore, the following guidelines are recommended in order to maximize the chances of having a clear path for the wireless signal to reach the device:

- Install the device a minimum of 9.8 ft (3m) above audiences and/or ground level.
- Arrange the wireless antenna in an upright, vertical position.
- Position devices in direct line of sight of the transmitting controller.

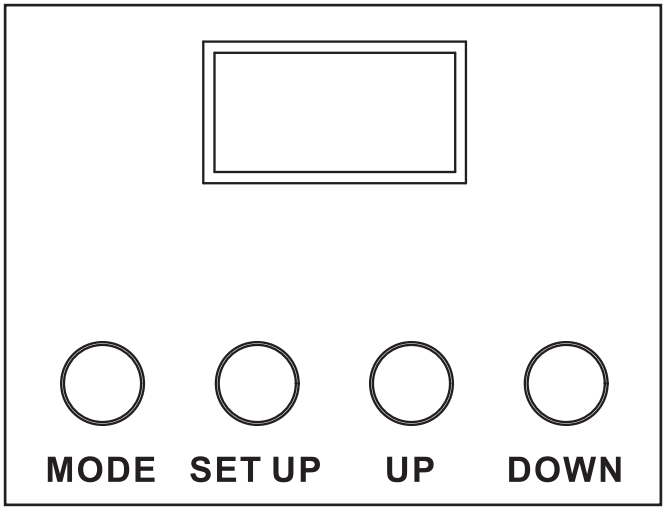
Careful planning and testing of the selected installation location is critical to ensure optimum and reliable wireless operation.



SYSTEM MENU

This unit features a display screen with a 4-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 SETUP button to enter the sub-menu, then use the UP and DOWN buttons to scroll through sub-menu options. In some cases, there will be a second sub-menu that can be navigated in the same way.



SCREEN LOCK

This fixture includes a display lock feature which automatically shuts off the display screen after a certain period of inactivity. This feature is OFF by default, which means that the display will always remain on regardless of inactivity, but can be configured to kick in after up to 10 minutes of inactivity. This setting can be configured by using the system menu to navigate to Personality > Display > Lock. To unlock the controls, press and hold the MODE button until the controls unlock.

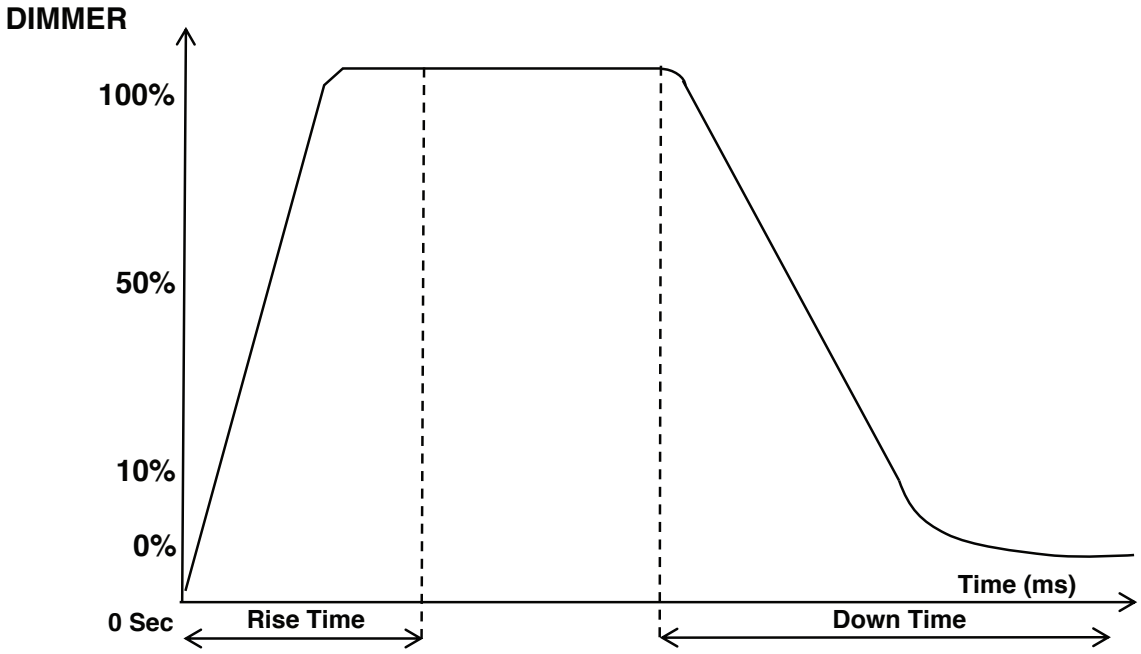
SYSTEM MENU

MENU OPTION	OPTIONS/VALUES			
DMX Set	Address	**001** - 512		
	Ch Mode	5ch, 8ch-A, 8ch-B, 9ch, **10ch-A**, 10ch-B, 12ch, 13ch, 16ch, 20ch		
	No DMX	**Hold**		
		Blackout		
		Manual		
		Int Prog		
Personality	Primary/Secondary	Primary / **Secondry**		
	Signal	**DMX** or Aria	**DMX**/Aria	
		Aria In / DMX Out	ON/**OFF**	
		DMX 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 Enable	**On** / Off	
	RDM	On / **Off**		
	Dim Mode	**Standard**, Stage, TV, Archi, Theatre, Stage 2		
		Dim Speed	0.1s - 10s	
	Dim Curve	Linear, **Square**, Inv Squa, S Curve		
	LED Rfrsh	900, 1000, 1100, **1200**, 1300, 1400, 1500, 2500, 4000, 5000, 10k, 15k, 20k, 25k		
	IR Function	**On** / Off		
	IR Button Colors (Refer to IR Default Values section)	Button 0	Red	000 - 255
			Green	000 - 255
			Blue	000 - 255
			Amber	000 - 255
			Lime	000 - 255
		Button 1	Red	000 - 255
			Green	000 - 255
			Blue	000 - 255
			Amber	000 - 255
			Lime	000 - 255
		...	...	...
		Button 15	Red	000 - 255
			Green	000 - 255
			Blue	000 - 255
			Amber	000 - 255
			Lime	000 - 255
	Display	Save Dlay	Off, 1sec - **10sec**	
		Lock	**Off**, 30sec, 1min - 9min	
		Rotate Display 180°	Yes / No / **Auto**	
	Service	Passcode = 050	Calibrate	Red 000 - 255
				Green 000 - 255
				Blue 000 - 255
				Amber 000 - 255
				Lime 000 - 255
			DMX LED	**Enable** / Disable
			Restore	Yes / **No**

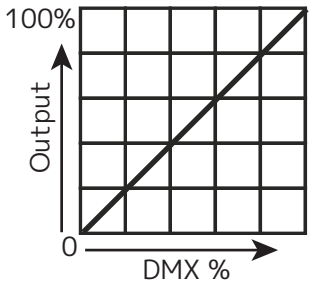
SYSTEM MENU

MENU OPTION	OPTIONS/VALUES		
Manual	Red	**000** - 255	
	Green	**000** - 255	
	Blue	**000** - 255	
	Amber	**000** - 255	
	Lime	**000** - 255	
	Clr Macro	**000** - 255	
	Clr Temp	000 - 255	
	Clr Temp Pr	**Off**, 2300k, 2400k...9900k	
	Shutter	000 - **255**	
	Dimmer	000 - **255**	
	Internal Programs	**Off**, Prog 0, Prog 1...Prog 13	
	Internal Program Speed	000 - 255 (Default = **127**)	
	Internal Program Fade	**000** - 255	
Int Progs	Prog 0	Speed	000 - 255
		Fade	000 - 255
		Sound	On / **Off** 000 - 255
	Prog 1	Speed	000 - 255
		Fade	000 - 255
		Sound	On / **Off** 000 - 255
	...	...	... ...
	Prog 13	Speed	000 - 255
		Fade	000 - 255
		Sound	On / **Off** 000 - 255
Info	Hours	Power On Time	xxxxxx Hours
		Resetable Time	xxxxxx Hours
		On Time Reset	Passcode = 050
	Temp	Current	xxx F / xxx C
		Max Resettable	xxx F / xxx C
		Max Not Reset	xxx F / xxx C
		Rst Temp History	Yes / **No** Passcode = 050
	DMX Value	Red	
		Green	
		...	
		Auto Prog	
	RDM UID	xxxxxx	
	Error Logs	Fixture Errors	List errors one by one
		Reset Error Log	Yes / **No** Passcode = 050
	Soft Vers	x.xx	

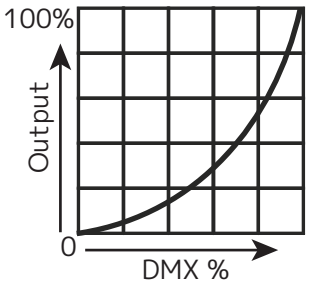
DIM MODES



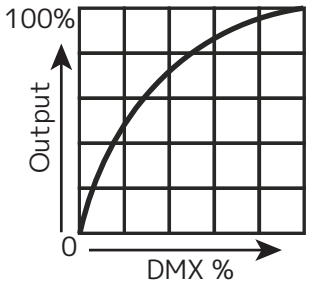
Dimming Curve Ramp Effect	0 sec Fade Time 255 0		1 sec Fade Time 255 0	
	Rise Time (ms)	Down Time (ms)	Rise Time (ms)	Down Time (ms)
Standard (default)	0	0	0	0
Stage	780	1100	1540	1660
TV	1180	1520	1860	1940
Architectural	1380	1730	2040	2120
Theatre	1580	1940	2230	2280
Stage 2	0	1100	0	1660



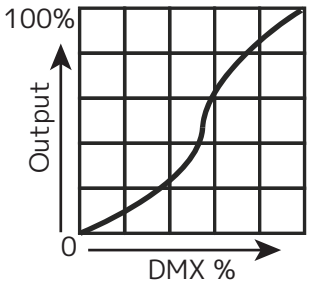
LINEAR



SQUARE



INVERSE SQUARE



S-CURVE

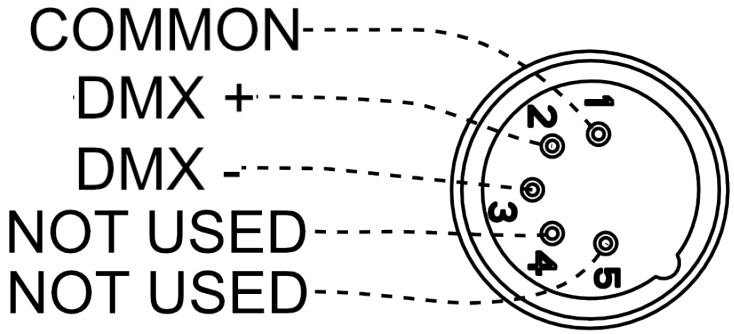
DMX SETUP

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.

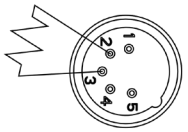
Data Cable (DMX Cable) Requirements (For DMX Operation): This unit can be controlled via DMX-512 protocol. The DMX address is set on the rear panel of the unit. Your unit and your DMX controller require a standard 5-pin XLR connector for data input and data output. We recommend Accu-Cable DMX cables.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

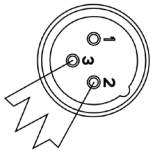
Notice: Be sure to follow fthe illustration below when making your own cables. Do not use the ground lug on the XLR connector. Do not connect the cable’s shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR’s outer casing. Grounding the shield could cause a 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 5 channel mode, you should set the starting DMX address of the first unit to 1, the second unit to 6 (1 + 5), the third unit to 11 (1 + 5 + 5), and so on. See the chart below for more details.

CHANNEL MODE	UNIT 1 ADDRESS	UNIT 2 ADDRESS	UNIT 3 ADDRESS	UNIT 4 ADDRESS
5Ch	1	6	11	16
8Ch-A / 8Ch-B	1	9	17	25
9Ch	1	10	19	28
10Ch-A / 10Ch-B	1	11	21	31
12Ch	1	13	25	37
13CH	1	14	27	40
16Ch	1	17	33	49
20Ch	1	21	41	61

DMX TRAITS

5Ch	8Ch-A	8Ch-B	9Ch	10Ch-A	10Ch-B	12Ch	13Ch	16Ch	20Ch	DMX VALUES	FUNCTION
1	1		1	1	1	1	1	1	1	0-255	**Red** 0~100%
				2					2	0-255	**Red Fine 16-bit**
2	2		2	3	2	2	2	2	3	0-255	**Green** 0~100%
				4					4	0-255	**Green Fine 16-bit**
3	3		3	5	3	3	3	3	5	0-255	**Blue** 0~100%
				6					6	0-255	**Blue 1 Fine 16-bit**
4	4		4	7	4	4	4	4	7	0-255	**Amber** 1~100%
				8					8	0-255	**Amber Fine 16-bit**
5	5		5	9	5	5	5	5	9	0-255	**Lime** 0~100%
				10					10	0-255	**Lime Fine 16-bit**
		1			6	6	6	6	11	0-255	**Color Macros** (See Color Macros)
		2	6		7		7	7	12	0-255	**Color Temperature** **2300-9900K Linear**, 0~100%
											Shutter, Strobe
										0-31	LEDs Off
										32-63	LEDs On
										64-95	Strobe effect, slow to fast
	6	3	7		8	7	8	8	13	96-127	LEDs On
										128-159	Pulse effect in sequences
										160-191	LEDs On
										192-223	Random strobe effect, slow to fast
										224-255	LEDs On
	7	4	8		9	8	9	9	14	0-255	**Dimmer (Intensity)** Intensity, 0 to 100%
	8	5	9		10	9	10	10		0-255	**Dimmer Fine 16-bit**
											Auto programs:
										0-10	Off
										11-26	Auto Program 1
										27-43	Auto Program 2
										44-60	Auto Program 3
										61-76	Auto Program 4
										77-93	Auto Program 5
						10		11	15	94-110	Auto Program 6
										111-126	Auto Program 7
										127-143	Auto Program 8
										144-160	Auto Program 9
										161-176	Auto Program 10
										177-193	Auto Program 11
										194-210	Auto Program 12
										211-226	Auto Program 13
										227-255	No Function
						11		12	166	0-255	**Auto Programs Speed:** Slow to Fast speed
						12		13	17	0-255	**Auto Programs Fade:** Less to More

DMX TRAITS

5Ch	8Ch-A	8Ch-B	9Ch	10Ch-A	10Ch-B	12Ch	13Ch	16Ch	20Ch	DMX VALUES	FUNCTION
											Dim Mode
										0-20	Default to Unit Setting
										21-40	Standard
										41-60	Stage
		6					11	14	18	61-80	TV
										81-100	Architectural
										101-120	Theatre
										121-140	Stage 2
										141-160	Dim Speed from Fast to Slow (0.1-10s)
										161-255	Default to Unit Setting
											Dim Curves
										0-20	Square
		7					12	15	19	21-40	Linear
										41-60	Inv. Squa
										61-80	S. Curve
										81-255	No Function
											Refresh Rates
										0-15	Default to Unit Setting
										16-30	900HZ
										31-45	1000HZ
										46-60	1100HZ
										61-75	1200HZ
										76-90	1300HZ
										91-105	1400HZ
		8					13	16	20	106-120	1500HZ
										121-135	2500HZ
										136-150	4000HZ
										151-165	5000HZ
										166-180	10000HZ
										181-195	15000HZ
										196-210	20000HZ
										211-225	25000HZ
										226-255	No Function

COLOR TEMPERATURE

COLOR TEMP	DMX VALUES	RED	GREEN	BLUE	AMBER	LIME
	0-15	NO FUNCTION				
2300K	16-31	150	4	4	255	255
2600K	32-47	130	20	10	255	255
2800K	48-63	120	30	15	255	255
3100K	64-79	110	45	15	255	255
3400K	80-95	100	55	20	255	255
3800K	96-111	90	70	25	255	255
4100K	112-127	80	80	30	255	255
4500K	128-143	80	85	40	255	255
4900K	144-159	80	95	50	255	255
5500K	160-175	75	110	60	255	255
6000K	176-191	75	110	70	255	255
7000K	192-207	75	125	87	255	255
8000K	208-223	60	135	95	255	255
9000K	224-239	55	150	103	255	255
9900K	240-255	55	165	117	255	255

COLOR MACROS

MACRO NO.	DMX VALUES	COLOR TEMP	RED	GREEN	BLUE	AMBER	LIME
Off	0	-	0	0	0	0	0
1	1 - 4	-	0	255	255	1	116
2	5 - 8	-	127	255	212	1	124
3	9 - 12	-	151	125	3	255	43
4	13 - 16	-	0	0	255	1	0
5	17 - 20	-	138	43	226	1	177
6	21 - 24	-	223	108	7	255	77
7	25 - 28	-	165	42	42	1	200
8	29 - 32	-	95	158	160	44	71
9	33 - 36	-	171	36	0	120	255
10	37 - 40	-	127	255	0	1	255
11	41 - 44	-	210	105	30	1	22
12	45 - 48	-	255	15	18	255	174
13	49 - 52	-	100	149	237	3	0
14	53 - 56	-	255	0	10	255	144
15	57 - 60	-	220	20	60	1	0
16	61 - 64	-	0	255	255	0	12
17	65 - 68	-	6	0	139	1	3
18	69 - 72	-	0	139	139	2	5
19	73 - 76	-	0	111	0	1	24
20	77 - 80	-	255	0	2	21	3
21	81 - 84	-	188	0	3	255	44
22	85 - 88	-	255	12	0	77	62
23	89 - 92	-	255	130	25	229	30
24	93 - 96	-	140	0	139	2	135
25	97 - 100	-	255	140	0	1	0
26	101 - 104	-	153	50	204	1	5
27	105 - 108	-	143	188	143	1	35
28	109 - 112	-	72	61	139	4	2
29	113 - 116	-	0	206	209	2	2
30	117 - 120	-	255	0	4	11	8
31	121 - 124	-	148	0	211	5	2
32	125 - 128	-	255	20	147	1	0
33	129 - 132	-	0	191	255	2	3
34	133 - 136	-	160	0	26	0	4
35	137 - 140	-	34	139	34	1	1
36	141 - 144	-	255	0	255	2	0
37	145 - 148	-	255	215	0	1	1
38	149 - 152	-	5	255	190	3	11
39	153 - 156	-	12	255	62	95	49
40	157 - 160	-	5	209	255	15	170
41	161 - 164	-	0	5	128	5	5
42	165 - 168	-	255	105	180	2	1

COLOR MACROS

MACRO NO.	DMX VALUES	COLOR TEMP	RED	GREEN	BLUE	AMBER	LIME
43	169 - 172	-	7	255	25	70	77
44	173 - 176	-	147	164	212	0	2
45	177 - 180	-	2	255	15	3	19
46	181 - 184	-	0	38	86	0	0
47	185 - 188	-	255	0	5	121	10
48	189 - 192	-	5	148	209	5	19
49	193 - 196		1	255	62	93	44
50	197 - 200	2300K > 90 CRI	150	4	4	255	255
51	201 - 204	2600K > 90 CRI	140	15	8	255	255
52	205 - 208	2800K > 90 CRI	130	25	10	255	255
53	209 - 212	3100K > 90 CRI	110	30	15	255	255
54	213 - 216	3400K > 90 CRI	100	50	20	255	255
55	217 - 220	7000K > 90 CRI	75	110	70	255	255
56	221 - 224	8000K > 90 CRI	75	125	85	255	255
57	225 - 228	3800K > 90 CRI	90	60	25	255	255
58	229 - 232	4100K > 90 CRI	80	70	30	255	255
59	233 - 236	4500K > 90 CRI	80	85	38	255	255
60	237 - 240	4900K > 90 CRI	80	95	46	255	255
61	241 - 244	5500K > 90 CRI	75	110	55	255	255
62	245 - 248	6000K > 90 CRI	75	110	70	255	255
63	249 - 252	9000K > 90 CRI	65	45	97	255	255
64	253 - 255	9900K > 90 CRI	55	165	117	255	255

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 proto-col 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 con-troller to send out a signal to devices on the wire, as well as allowing the fixture to respond (known as a *GET* command). The controller can then use its *SET* command to modify settings that would typically have to be changed or viewed directly via the unit's display screen, including the DMX Address, DMX Channel Mode, and Temperature Sensors.

FIXTURE RDM INFORMATION:

RDM Code	Device ID	Device Model ID	Personality ID
1900	00000-1869F	4800	5CH, 8CH-A, 8CH-B, 9CH, 10CH-A, 10CH-B, 12CH, 13CH, 16CH, 20CH

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.

CODE	PARAMETER
0x0001	Disc Unique Branch
0x0002	Disc Mute
0x0003	Disc Un Mute
0x0050	Supported Parameters
0x0060	Device Info
0x0081	Manufacturer Label
0x0082	Device Label
0x00C0	Software Version Label
0x00E0	DMX Personality
0x00F0	DMX Start Address
0x0201c	Sensor Value (Temperature)
0x0343	Curve
0x0344	Curve Description
0x1000	Identify Device
0x0141	DMX Fail Mode

DIM SPEEDS

DMX VALUES	TIME
141	0.1s
142	0.2s
143	0.3s
144	0.4s
145	0.5s
146	0.6s
147	0.7s
148	0.8s
149	0.9s
150	1.0s
151	1.5s
152	2.0s
153	3.0s
154	4.0s
155	5.0s
156	6.0s
157	7.0s
158	8.0s
159	9.0s
160	10.0s

REMOTE CONTROL FUNCTIONS

This unit can be operated using the ADJ UC IR24 remote control. **The unit can only be controlled when it has been set to Primary mode. The unit will NOT respond to commands when it has been set to Secondary mode.** When using the UC IR to control multiple units that are operating in primary/secondary mode, follow these steps to set up the units:

1. Power on the unit, and press MODE to scroll to the “Personality” menu, then press SETUP.
2. Use the UP and DOWN buttons to scroll to “Primary/Secondary”. Press SETUP, then use the UP and DOWN buttons to scroll to “Primary”.
3. Press SETUP to confirm and return to the “Personality” menu.

NOTES:

- Only one unit should be configured as the primary, while all the other units should be configured as secondaries.
- All units in the system should be set to the same channel. If all units are set to the same channel, and the units do not sync up and/or respond to commands, try using a different channel.
- 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.

CONTROLS

- **ON and OFF:** When the ON button is pressed, the lighting fixture shall return to its last running state. When the OFF button is pressed, the unit shall go into stand by mode in a blackout state.
- **STROBE:** The unit shall strobe the selected color or program. The strobe rate can be adjusted by degrees with the + / - buttons. Buttons 0-15 are used to select the strobe rate directly, with 1 being the slowest and 15 being the fastest.
- **SOUND:** Triggers the selected program steps based on sound input. The microphone sensitivity can then be adjusted with the + / - buttons.
- **COLOR:** When the color button is pressed, preset static colors can be selected using buttons 0-15. The intensity for the set color can be adjusted with the + / - buttons.
- **PROGRAM:** When the program button is pressed, internal programs can be selected by pressing buttons 0-13. The selected program’s speed can be adjusted with the + / - buttons.
- **+ and - buttons:** These buttons are used to adjust strobe rate, mic sen-sitivity, brightness intensity, or program run speed, depending on which mode is active. Single-level adjustments can be made with individual buttons presses, while large adjustments can quickly be made by pressing and holding.
- **0-15 buttons:** These buttons are used to select preset static colors or internal programs, depending on which mode is active. Colors stored in buttons 0-15 can be edited from the units menu if desired.

IR DEFAULT VALUES

BUTTON	RED	GREEN	BLUE	AMBER	LIME
0	0	0	0	0	255
1	255	0	0	0	0
2	0	255	0	0	0
3	0	0	255	0	0
4	231	68	0	0	0
5	0	117	58	0	0
6	17	0	75	0	0
7	255	83	0	63	0
8	0	109	70	0	0
9	32	0	75	22	0
10	0	0	0	255	0
11	0	114	160	0	0
12	82	0	35	0	0
13	255	255	0	255	0
14	0	75	136	0	0
15	81	0	35	0	0

EDITING IR BUTTON VALUES

These fixtures allow the user to create custom RGBAL values and assign them to the numbered keys (0-15) on the remote control. Follow the steps below:

1. In the main system menu, press MODE to navigate to “Personality,” then press SETUP. Use the UP and DOWN buttons to scroll to “IR Button Colors,” then press SETUP again.
2. Use the UP and DOWN buttons to scroll to the number of the remote button that you would like to use. Options range from “Button 0” to “Button 15.” Press SETUP to select the button shown on the display screen.
3. Create a custom color for the button you have selected by using the UP and DOWN buttons to scroll through the color component options (Red, Green, Blue, Amber, or Lime). Press SETUP to select a color component option, then use the UP and DOWN buttons to adjust the intensity of that color component option. Selectable values range from 000 to 255. Repeat this process until you have set the desired Red, Green, Blue, Amber, and Lime intensities to create your custom color.

NOTE: Once you have created and assigned a custom RGBAL value to a remote button, the default color for the remote button will be overridden. This means that the output color of the fixture may no longer resemble the color shown on the remote button. The only way to return to the default RGBAL value is to reset the unit to the default factory settings by navigating to Personality > Service > Restore.

NOTE: If multiple units have been linked in a primary-secondary set up, the custom RGBAL values only need to be set up on the primary unit. The custom RGBAL settings will carry over automatically to any secondary units in the system.

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 > Primary/Secondary. Select this sub-menu using the SETUP button, and use the UP and DOWN buttons to toggle between "Primary" and "Secondary". Press SETUP 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:

- **5 units when running on 120V power.**
- **10 units when running on 230V 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!

MAINTENANCE GUIDELINES

DISCONNECT POWER BEFORE PERFORMANCE 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.

SPECIFICATIONS

OPTICAL:
- Light Source: 1x 200-Watt COB (Chip on Board), RGBAL (Red, Green, Blue, Amber & Lime), LED Engine
- LED Engine Life Rating: Approximately 50,000 hrs.
- CRI: >90
- Tunable White Color Temperature: 2300~9900K
- 80-degree beam angle
- Includes lens kit to change to 40-degrees or 50-degrees beam angle

FEATURES:
- Embedded Aria X2 Wireless Management System
- Primary / Secondary Mode
- Flicker Free operation (No flickering on camera)
- Produces powerful, smooth RGBAL color mixing with rich palettes of color
- Scissor yoke allows fixture to be mounted on truss or set on the ground
- Optional Barn Doors (BAR001) sold separately

CONTROL:
- 10 DMX Channel modes (5CH, 8CH-A, 8CH-B, 9CH, 10CH-A, 10CH-B, 12CH, 13CH, 16CH, 20CH)
- Linear color temperature control via DMX
- Built-in color temperature presets accessible via DMX
- 64 built-in color macros
- 4-button OLED digital DMX display on rear panel
- Compatible with the ADJ UC IR remote control (included)
- LED pulse and strobe effect
- Electronic Dimming: 0 - 100%
- 6 selectable Dim Modes (Standard, Stage, TV, Architectural, Theatre, & Stage 2)
- 4 selectable Dim Curves (Square, Linear, Inv. Squa & S.Curve)
- Adjustable selectable Refresh Rate (14 presets from 900 – 25,000Hz)

CONNECTIONS:
- 5-pin XLR connectors for DMX data linking
- Indoor locking power In & Out connections to daisy chain power

ELECTRICAL:
- Auto sensing power supply: AC 100V/60Hz - 240V/50Hz
- Power Draw: 175W max
- Daisy chain up to 5 fixtures (120V) or 10 fixtures (230V) maximum

DIMENSIONS / WEIGHT:
- Dimensions (LxWxH): 16.5” (418mm) x 10.3” (262mm) x 7.5” (190mm)
- Weight: 9.45 lbs. / 4.30 kg.

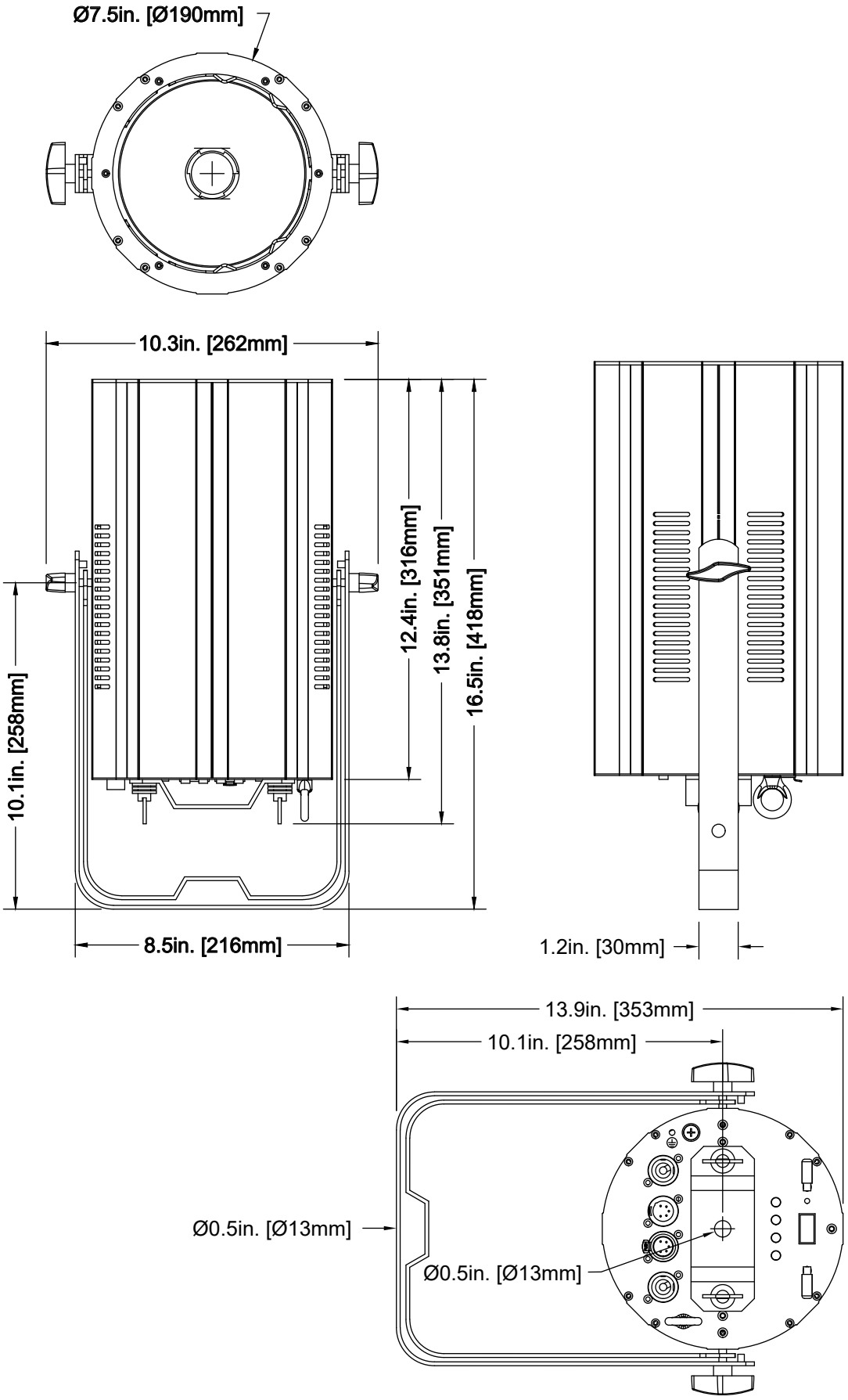
WHAT’S INCLUDED:
- (1) 50-degree lens
- (1) 40-degree lens
- UCIR24 Wireless IR Remote
- Power Cord
- Scissor Yoke
- Omega Bracket

ACCESSORIES:
- BAR001 - COB Cannon Wash Barn Doors

RATING / APPROVALS:
- cETLus

Intertek
4002034

DIMENSIONAL DRAWINGS



ORDERING INFORMATION

SKU (US)	SKU (EU)	DESCRIPTION
COB240	N/A	ADJ COB Cannon LP200X
BAR001	N/A	COB Cannon Wash Barn Doors

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.