

FOCUS FLEXUser Instructions

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ADJ PRODUCTS LLC World Headquarters

6122 S. Eastern Ave. I Los Angeles, CA 90040 USA

Tel: 800-322-6337 | Fax: 323-582-2941 | www.adj.com | support@adj.com

ADJ Supply Europe B.V.

Junostraat 2 | 6468 EW Kerkrade | Netherlands

Tel: +31 45 546 85 00 | Fax: +31 45 546 85 99 | www.americandj.eu | service@americandj.eu

Europe Energy Saving Notice

Energy Saving Matters (EuP 2009/125/EC)

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

DOCUMENT VERSION



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

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

Date	Document Version	Software Version >	DMX Channel Mode	Notes
03/14/22	1	1.00	16/25/34/42/50/25/28	Initial Release
06/13/22	1.2	1.01	No Change	Added Mute to Fan Settings

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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

The products in this kit have been thoroughly tested and have 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 each unit included for damage and be sure all accessories necessary to operate the units 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 kit 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.

WARRANTY RETURNS

All returned service items whether under warranty or not, must be freight pre-paid and accompany a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper and included in the shipping container. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. Items returned without a R.A. number clearly marked on the outside of the package will be refused and returned at customer's expense. You may obtain a R.A. number by contacting customer support.

LIMITED WARRANTY (USA ONLY)

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

LIMITED WARRANTY PERIODS

- Non L.E.D. Lighting Products = 1-year (365 days) Limited Warranty (Such as: Special Effect Lighting, Intelligent Lighting, UV lighting, Strobes, Fog Machines, Bubble Machines, Mirror Balls, Par Cans, Trussing, Lighting Stands etc. excluding LED and lamps)
- Laser Products = 1 Year (365 Days) Limited Warranty (excludes laser diodes which have 6 month limited warranty)
- L.E.D. Products = 2-year (730 days) Limited Warranty (excluding batteries which have a 180 day limited warranty)

 Note: 2 Year Warranty only applies to purchases within the United States.
- StarTec Series = 1 Year Limited Warranty (excluding batteries which have a 180 day limited warranty)
- ADJ DMX Controllers = 2 Year (730 Days) Limited Warranty

SAFETY GUIDELINES

To guarantee a smooth operation, it is important to follow all instructions and guidelines in this manual. ADJ Products, LLC 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 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.



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 MANUFACTURES WARRANTY. DAMAGES RESULTING FROM MODIFICATIONS TO THIS FIXTURE AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURES 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!

Maximum ambient temperature is Ta: 40°C. DO NOT operate it where the temperature is higher than this. Unit surface temperature may reach up to 75°C. DO NOT touch the housing bare-hand during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.

KEEP FLAMMABLE MATERIALS AWAY FROM FIXTURE!



IF THE FIXTURE IS EXPOSED TO ENVIRONMENTAL TEMPERATURE CHANGES SUCH AS RELOCATION FROM AN OUTDOOR COLD TO AN INDOOR WARM ENVIRONMENT, DO NOT POWER THE FIXTURE ON IMMEDIATELY. INTERNAL CONDENSATION AS A RESULT OF ENVIRONMENTAL TEMPERATURE CHANGE CAN CAUSE INTERNAL FIXTURE DAMAGE. LEAVE THE FIXTURE POWERED OFF UNTIL IT HAS REACHED ROOM TEMPERATURE BEFORE POWERING ON.

NEVER LOOK DIRECTLY INTO THE LIGHT SOURCE! RETINA INJURY RISK - MAY INDUCE BLINDNESS! SENSITIVE PERSONS MAY SUFFER AN EPILEPTIC SHOCK! THIS IS A RISK GROUP 3 (HIGH RISK) PRODUCT ACCORDING TO EN 62471 AND IEC/TR 62778. THE LUMINAIRE SHOULD BE POSITIONED 63METERS OR MORE FROM THE OUTPUT OF THE FIXTURE TO REDUCE OR ELIMINATE EXPOSURE.

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 has become 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; these must remain clean and never blocked. Allow approx. 7.9" (20cm) between fixture and other devices or a wall for proper cooling.

When installing fixture in a suspended environment, always use mounting hardware that is no less than M10 x 25 mm, and always attach an appropriately rated safety cable.

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.

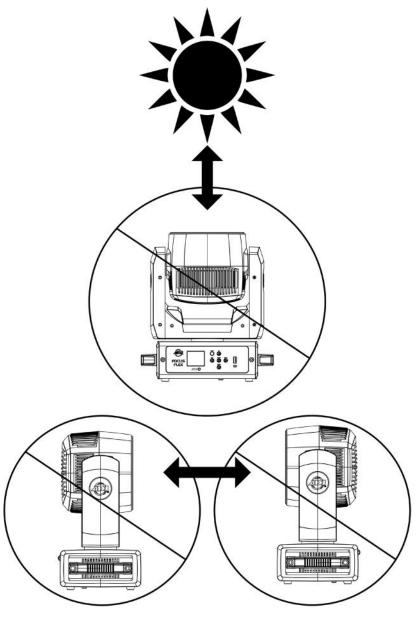
SAFETY GUIDELINES

POTENTIAL INTERNAL FIXTURE DAMAGE FROM EXTERNAL SOURCES OF LIGHT BEAMS

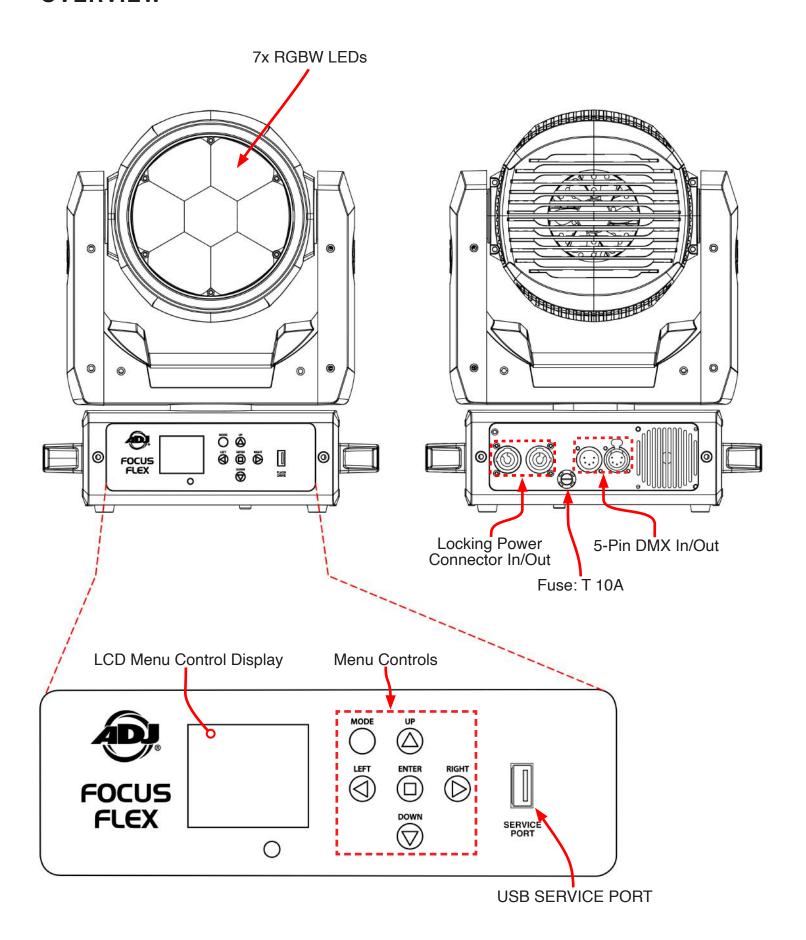
External sources of light beams from direct sunlight, lighting moving head fixtures, and lasers, which are focused directly towards the exterior housing and/or penetrate the front lens opening of ADJ lighting fixtures, can cause severe internal damage including burning to optics, dichroic color filters,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

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

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



OVERVIEW



VIRTUAL SWATCH COLORS

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

COLOR MACRO CHART

Color	DMY Value	RGB\	N COLO	R INTE	NSITY	Color	DMY Volus	RGBW COLOR INTENSITY			
Color	DMX Value	RED	GREEN	BLUE	W/A	Color	DMX Value	RED	GREEN	BLUE	WHITE
Off	0	0	0	0	0	Color Macro 33	129-132	255	206	143	0
Color Macro 1	1-4	80	255	234	80	Color Macro 34	133-136	254	177	153	0
Color Macro 2	5-8	80	255	164	80	Color Macro 35	137-140	254	192	138	0
Color Macro 3	9-12	77	255	112	77	Color Macro 36	141-144	254	165	98	0
Color Macro 4	13-16	117	255	83	83	Color Macro 37	145-148	254	121	0	0
Color Macro 5	17-20	160	255	77	77	Color Macro 38	149-152	176	17	0	0
Color Macro 6	21-24	223	255	83	83	Color Macro 39	153-156	96	0	11	0
Color Macro 7	25-28	255	243	77	77	Color Macro 40	157-160	234	139	171	0
Color Macro 8	29-32	255	200	74	74	Color Macro 41	161-164	224	5	97	0
Color Macro 9	33-36	255	166	77	77	Color Macro 42	165-168	175	77	173	0
Color Macro 10	37-40	255	125	74	74	Color Macro 43	169-172	119	130	199	0
Color Macro 11	41-44	255	97	77	71	Color Macro 44	173-176	147	164	212	0
Color Macro 12	45-48	255	74	77	71	Color Macro 45	177-180	88	2	163	0
Color Macro 13	49-52	255	83	134	83	Color Macro 46	181-184	0	38	86	0
Color Macro 14	53-56	255	93	182	93	Color Macro 47	185-188	0	142	208	0
Color Macro 15	57-60	255	96	236	96	Color Macro 48	189-192	52	148	209	0
Color Macro 16	61-64	238	93	255	93	Color Macro 49	193-196	1	134	204	0
Color Macro 17	65-68	163	87	255	87	Color Macro 50	197-200	0	145	212	0
Color Macro 18	69-72	150	90	255	90	Color Macro 51	201-204	0	121	192	0
Color Macro 19	73-76	100	77	255	77	Color Macro 52	205-208	0	129	184	0
Color Macro 20	77-80	77	100	255	77	Color Macro 53	209-212	0	83	115	0
Color Macro 21	81-84	67	148	255	67	Color Macro 54	213-216	0	97	166	0
Color Macro 22	85-88	77	195	255	77	Color Macro 55	217-220	1	100	167	0
Color Macro 23	89-92	77	234	255	77	Color Macro 56	221-224	0	40	86	0
Color Macro 24	93-96	158	255	144	144	Color Macro 57	225-228	209	219	182	0
Color Macro 25	97-100	255	251	153	153	Color Macro 58	229-232	42	165	85	0
Color Macro 26	101-104	255	175	147	147	Color Macro 59	233-236	0	46	35	0
Color Macro 27	105-108	255	138	186	138	Color Macro 60	237-240	8	107	222	0
Color Macro 28	109-112	255	147	251	147	Color Macro 61	241-244	255	0	0	0
Color Macro 29	113-116	151	135	255	138	Color Macro 62	245-248	0	255	0	0
Color Macro 30	117-120	99	0	255	100	Color Macro 63	249-252	0	0	255	0
Color Macro 31	121-124	138	169	255	138	Color Macro 64	253-255	0	0	0	255
Color Macro 32	128-128	255	255	255	255						

FIXTURE INSTALLATION



FLAMMABLE MATERIAL WARNING

Keep fixture at least 7.9in. (0.2m) away from any flammable materials, decorations, pyrotechnics, etc.



ELECTRICAL CONNECTIONS

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



MINIMUM DISTANCE TO OBJECTS/SURFACES MUST BE 40 FEET (12 METERS)



MAXIMUM TEMPERATURE OF EXTERNAL SURFACE 167°F (75°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 the fixture to any metal truss/structure or placing the fixture 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, clamps, cables, and accessories.

Overhead fixture installation must always be secured with a secondary safety attachment, such as an appropriately rated safety cable that meets all local, national, and country codes and regulations.

Fixture ambient operating temperature range is -4°F to 104°F. (-20°C to 40°C) Do not use this fixture outside this temperature range.

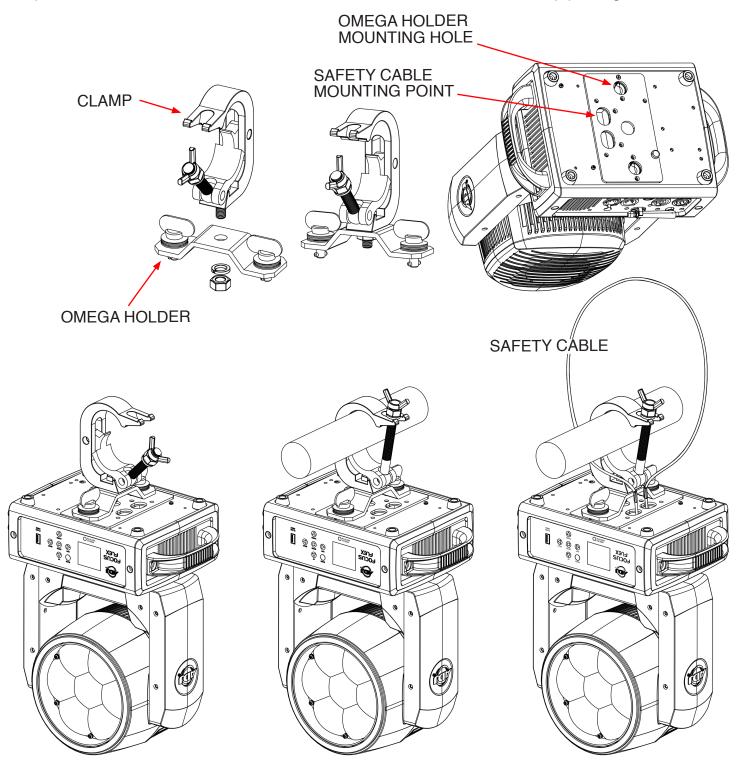
Fixture should be installed in areas outside walking paths, seating areas, or away from areas were unauthorized personnel might reach the fixture by hand.

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

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

FIXTURE INSTALLATION

NOTICE: The suitable environmental temperature for this lighting fixture is between -20° C to 40° C. Do not place this lighting fixture in an environment where the temperatures are under or above the temperatures stated above. This will allow the fixture to run at its best and help prolong the fixture life.



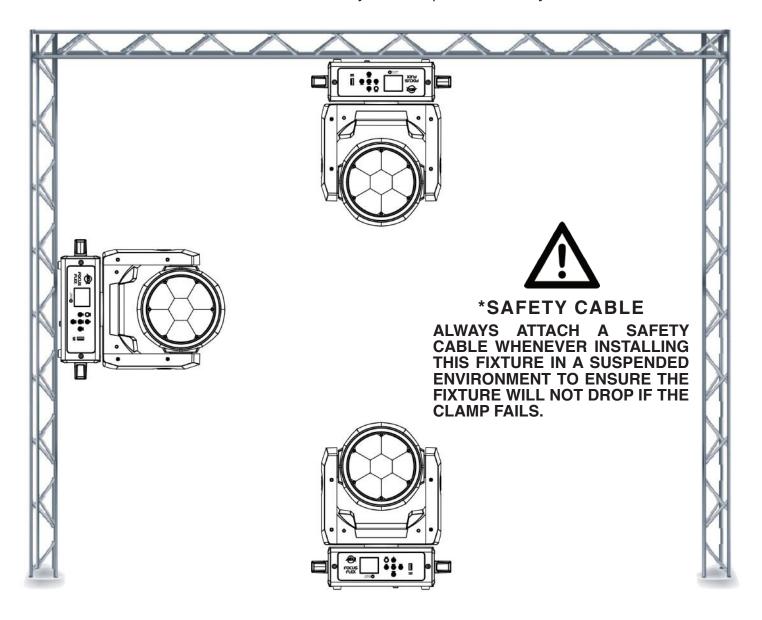
Screw one clamp via a M12 screw and nut into the Omega holder. Insert the quick-lock fasteners of the Omega holder into the respective holes of the adjustable mounting bracket. Tighten the quick-lock fasteners fully clockwise. Pull the safety-cable through the opening located on the bottom of the unit and over the trussing system or a safe fixation spot. Insert the end in the carabiner and tighten the safety screw.

FIXTURE INSTALLATION

When installing the unit, the trussing or area of installation must be able to hold 10 times the weight without any deformation. When installing the unit must be secured with a secondary safety attachment, e.g. and appropriate safety cable. Never stand directly below the unit when mounting, removing, or servicing the unit.

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

NOTE: These installations should be checked by a skilled person once a year.



The Focus Flex is fully operational in three different mounting positions, hanging upside-down, mounted sideways on trussing, or set on a flat level surface. Be sure this fixture is kept at least 0.2m (7.9in.) away from any flammable materials (decoration etc.). 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 (see next page). Never use the carrying handles for secondary attachment.

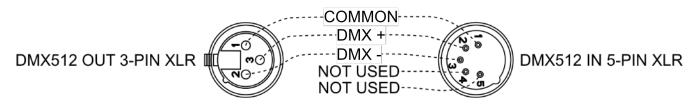
DMX SETUP

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).

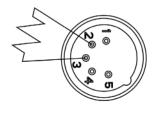
DMX Linking: DMX is a language allowing all makes and models of different manufactures to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, when using several DMX fixtures try to use the shortest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

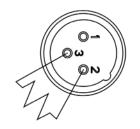
Data Cable (DMX Cable) Requirements (For DMX Operation): The Focus Flex can be controlled via DMX-512 protocol. Your unit and your DMX controller requires a 5-pin XLR connector for data input/output. We recommend Accu-Cable DMX cables. If you are making your own cables, be sure to use standard 110-120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

Notice: Be sure to follow figures two and three 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.



3-Pin XLR to 5-Pin XLR Conversion								
Ground/Shield	Pin 1	Pin 1						
Data Compliment (- signal)	Pin 2	Pin 2						
Data True (+ signal)	Pin 3	Pin 3						
Not Used		Do Not Use						
Not Used		Do Not Use						





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.

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

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.

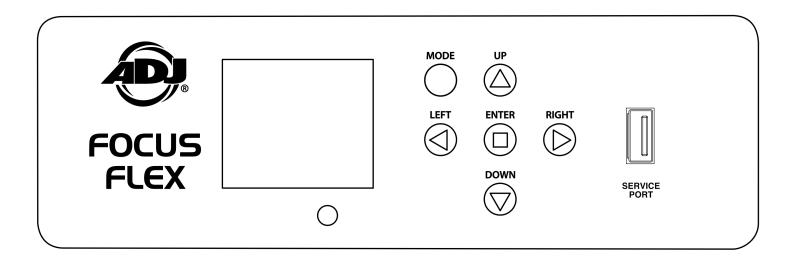
You can set the same starting address for all fixtures or a group of fixtures, or set different addresses for each individual fixture. Setting all fixtures to the same DMX address will cause all fixtures to react in the same way, in other words, changing the settings of one channel will affect all the 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. In the case of the Focus Flex, when in 16 Channel mode, you should set the starting DMX address of the first unit to 1, the second unit to 17 (1 + 16), the third unit to 29 (17 + 16), the forth unit to 49 (33 + 16), and so on and so forth, et cetera.

Channel Mode	Unit 1 Address	Unit 2 Address	Unit 3 Address	Unit 4 Address
Basic: 16 Channels	1	17	33	49
Standard: 25 Channels	1	26	51	76
Extended 3: 34 Channels	1	35	69	103
Extended 5: 42 Channels	1	43	85	127
Extended 7: 50 Channels	1	51	101	151
Standard CMY: 25 Channels	1	26	51	76
Extended CMY: 28 Channels	1	29	57	85

The fixture includes an easy to navigate system menu. The control panel located on the front of the fixture, provides access to the main system menu and is where all necessary system adjustments are made to the fixture. During normal operation, pressing **MODE** button once will access the fixture's main menu. Once in the main menu you can navigate through the different functions and access the submenus with the **UP**, **DOWN**, **RIGHT**, and **LEFT** 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 **MODE** button.

NOTE: To access the LCD Menu Control Display via the internal battery, press and hold the **MODE** button for 10 seconds. The LCD Menu Control Display will shut **OFF** automatically about 1 minute from the last button press.

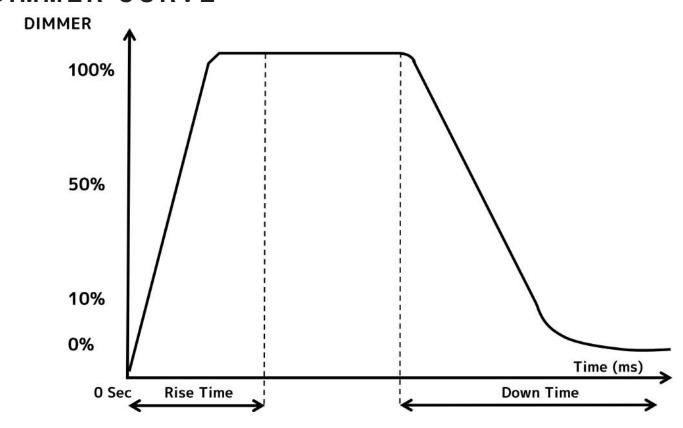


Menu	Sub Menu	OPTIONS / VALUES (Default Settings in BOLD	Description
		Basic 16		
		Standard 25		
		Extended 34		
g	DMX Channel Mode	Extended 42		
ij	Mode	Extended 50		
Sel		Standard CMY 25		
DMX Settings		Extended CMY 28		
2		Hold Last		
	No DMX Status	Blackout		
	INO DIVIX Status	Manual		
		Internal Programs		
	Prim/Sec Mode	Primary / Secondar y	y	When set to Primary and Entered, the un shall function in Primary mode. When set to Secondary, the unit shall function in Secondary mode. All units shall be set to Secondary be default. When Primary is Entered and active, the unit shall function as the Primary unit and control secondary units that are connected in line to in When Secondary is entered and active, the unit shall function as a secondary unit and shall only receive signal from a Primary unit.
	Select Signal	DMX		
		 		
≥		Pan Degree	630/ 540	
ality		Pan Degree Pan Invert	630/ 540 ON / OFF	
sonality			+	
Personality	Status Settings	Pan Invert	ON / OFF	
Personality	Status Settings	Pan Invert Tilt Invert P./T. Feedback	ON / OFF	
Personality	Status Settings	Pan Invert Tilt Invert P./T. Feedback P./T. Speed	ON / OFF ON / OFF Speed 1 Speed 2	
Personality	Status Settings	Pan Invert Tilt Invert P./T. Feedback	ON / OFF ON / OFF Speed 1	
Personality	Status Settings	Pan Invert Tilt Invert P./T. Feedback P./T. Speed	ON / OFF ON / OFF Speed 1 Speed 2	
Personality	Status Settings	Pan Invert Tilt Invert P./T. Feedback P./T. Speed Hibernation	ON / OFF ON / OFF ON / OFF Speed 1 Speed 2 OFF, 01M~99M, 15M	
Personality		Pan Invert Tilt Invert P./T. Feedback P./T. Speed	ON / OFF ON / OFF ON / OFF Speed 1 Speed 2 OFF, 01M~99M, 15M Auto	
Personality	Status Settings Fan Settings	Pan Invert Tilt Invert P./T. Feedback P./T. Speed Hibernation	ON / OFF ON / OFF ON / OFF Speed 1 Speed 2 OFF, 01M~99M, 15M Auto High Low Mute	
Personality		Pan Invert Tilt Invert P./T. Feedback P./T. Speed Hibernation Head Fan	ON / OFF ON / OFF ON / OFF Speed 1 Speed 2 OFF, 01M~99M, 15M Auto High Low Mute Auto	
Personality		Pan Invert Tilt Invert P./T. Feedback P./T. Speed Hibernation	ON / OFF ON / OFF ON / OFF Speed 1 Speed 2 OFF, 01M~99M, 15M Auto High Low Mute	

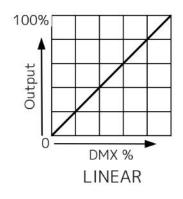
enu	Sub Menu	ОРТ	IONS / VALUES (D	efault Settings in BOLD)	Description
	Zoom Speed	Sta	ndard		
	Zoom Speed	Fas	t		
		Sta	ndard		
		Sta	ge		
		TV			
	Dim Modes	Arcl	nitectural		
		The	atre		
		_	ge 2		
			Speed	0.1S~10S	
	LED Refresh Rate	900 15K	~1500, 2500, 400 HZ, 20KHZ, 25KH	00, 5000, 6000, 10KHZ, HZ, 1200HZ	
		Line	ear		
	Dim Curve	— <u> </u>	iare		
	Dilli Guive		Squa		
<u> </u>			urve		
rersonality	Reset Motors	-	et All Motors	YES / NO	
ק מ			/Tilt Reset	YES / NO	
֝֟֝֟֝ ֞		+	ct Reset	YES / NO	
_			nsity	1-10	
	Display	_	olay Invert	YES / NO	
	' '	-	een Saver Delay	OFF-10M 05M	
		Key	Lock	OFF/ON/ON1	
				Pan 000-255	
				Tilt 000-255	
				Red 000-255	
		<u>و</u>	Effect Adjust (Calibration) 050	Green 000-255	
	Service	l õ	, ,	Blue 000-255	
		Passcode		White 000-255	
		"			
			USB Port Power	OFF/ ON	
			Update Software	OFF/ ON	
		<u> </u>	Factory Restore	OFF/ ON	Passcode 011
_	Pan	_	-255		
2	Pan Fine		-255		
Control	Tilt		-255		
Ŏ	Tilt Fine	+	-255		
	ļ	000	-255		

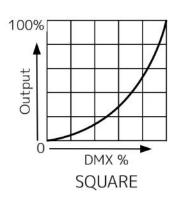
enu	Sub Menu	OPTIONS / VALUES	(Default Settings in BOLD)	Description
	Program 1	Speed	000-255	
	Program 1	Fade	000-255	
	Program 2	Speed	000-255	
		Fade	000-255	
) :	Program 3	Speed	000-255	
		Fade	000-255	
	Program 4	Speed	000-255	
		Fade	000-255	
	Program 5	Speed	000-255	
		Fade	000-255	
	Program 6	Speed	000-255	
		Fade	000-255	
	Program 20	Speed	000-255	
		Fade	000-255	
		Power On Time	xxxxxx Hours	
	Fixture Lifetime	P-On Time-R	xxxxxx Hours	
		P-On Time-Reset		
		LED On Time	xxxxxx Hours	
	Total LED Time	LED On Time-R	xxxxxx Hours	
		LED Hours Reset	Passcode 050	
		LED ₂	Current	T: xxxx°F/xxxx°C
		LEDs	Max. Resettable	T: xxxx°F/xxxx°C
	Firsture Towns	Daga Taman	Current	T: xxxx°F/xxxx°C
	Fixture Temps	Base Temp	Max. Resettable	T: xxxx°F/xxxx°C
		Reset LED Temp	YES / NO	Passcode: 050
		Reset Base Temp	YES / NO	Passcode: 050
	Fan Info. (RPM)	LED Fan	xxxxRPM LED	
	raii iiiio. (neili)	BaseFan	xxxxRPM	
		Pan		
	DMX Values	Pan Fine		
		xxxxx	List Errors one by one	
	Error Logs	xxxxx	List Entors one by one	
		Reset Error Log	YES / NO	Passcode: 050
Software Version		1U:XXX 2U:XXX 3U:XXX		

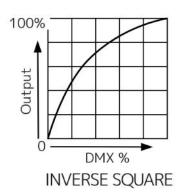
DIMMER CURVE

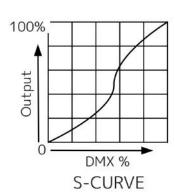


	0 sec Fa	ide Time	1 sec Fa	ide Time
Dimming Curve Ramp Effect	0 —	255	0	255
	Rise Time (ms)	Down Time (ms)	Rise Time (ms)	Down Time (ms)
Standard (default)	0	0	0	0
Stage	780	1100	1540	1660
TV	1180	1520	1860	1940
Architectural	1380	1730	2040	2120
Theatre	1580	1940	2230	2280









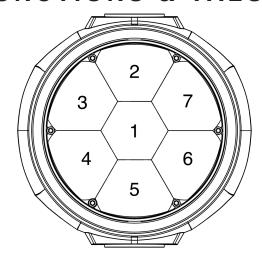
Std. Std. Std. Std. CM CM CM CM CM CM CM C		<u>л п</u>	AI	13.	Gi				UNCTIONS & VALUES
1 1 1 1 1 1 1 1 1 1 1 1 1 000-255 PAN FINE 16bit 2 2 2 2 2 2 2 000-255 PAN FINE 16bit 3 3 3 3 3 3 3 3 00-255 TLT FINE 16bit 3 5 5 4 4 4 4 4 4 000-255 TLT FINE 16bit 3 5 5 7 5 000-255 GREEN 0% - 100% 5 7 000-255 GREEN 0% - 100% 6 8 0 000-255 WHITE 0% - 100% 6 8 0 000-255 WHITE 0% - 100% 6 8 0 000-255 WHITE 0% - 100% 7 7 7 7 7 0 000-255 GREEN 10% - 100% 8 8 8 8 000-255 WHITE 0% - 100% 9 13 21 29 000-255 WHITE 0% - 100% 11 44 22 30 000-255 WHITE 0% - 100% 11 44 22 30 000-255 BLUE 7 0% - 100% 11 44 22 30 000-255 BLUE 7 0% - 100% 11 44 22 30 000-255 BLUE 7 0% - 100% 11 5 23 31 000-255 BLUE 7 0% - 100% 11 6 24 32 000-255 BLUE 7 0% - 100% 11 6 24 32 000-255 BLUE 7 0% - 100% 11 6 24 32 000-255 BLUE 7 0% - 100% 11 6 24 32 000-255 BLUE 7 0% - 100% 11 6 24 32 000-255 BLUE 7 0% - 100% 11 6 24 32 000-255 BLUE 7 0% - 100% 12 5 5 000-255 BLUE 7 0% - 100% 13 6 6 7 000-255 BLUE 7 0% - 100% 14 6 7 000-255 BLUE 7 0% - 100% 15 000-255 BLUE 7 0% - 100% 16 000-255 BLUE 7 0% - 100% 17 9 000-255 BLUE 7 0% - 100% 18 000-255 BLUE 7 0% - 100% 19 17 25 33 8 11 000-255 FAN (N 100) WHITE 7 00% - 100% 10 000-255 FAN (N 100) WHITE 7 00	Ba. 16	Std. 15	34	42	50	Std. CMY	Ext. CMY	Values	Functions
2 3 3 3 3 3 3 3 3 00-255 TLT FIRST 1270 Degrees 4 4 4 4 4 4 000-255 TLT FIRST 16bit 3 5 5 000-255 FLT FIRST 16bit 5 7 0 000-255 GREEN 0%-100% 6 8 0 000-255 GREEN 0%-100% 7 7 7 7 7 000-255 GREEN 100% 8 8 8 8 8 000-255 WHITE 10%-100% 10 000-255 GREEN 100%-100% 11 22 23 0 000-255 GREEN 100%-100% 11 22 30 000-255 GREEN 10%-100% 11 22 30 000-255 GREEN 100%-100% 11 22 30 000-255 GREEN 70%-100% 11 22 30 000-255 GREEN 70%-100% 11 23 31 000-255 GREEN 70%-100% 11 24 32 5 000-255 GREEN 70%-100% 11 25 33 1 000-255 GREEN 70%-100% 11 27 000-255 GREEN 100% 11 000-255 GREEN 100% 11 000-255 GREEN 100% 12 000-255 GREEN 100% 13 000-255 GREEN 100% 14 000-255 GREEN 100% 15 000-255 GREEN 100% 16 000-255 GREEN 100% 17 000-255 GREEN 100% 18 000-255 GREEN 100% 19 000-255 GREEN 100% 10 000-	1	1	1	1	1	· ·		000-255	PAN 8bit 540/630 Degrees
4		2	2	2	2	2	2	000-255	PAN FINE 16bit
3 5	2	3	3	3	3	3	3	000-255	TILT 8bit 270 Degrees
4 6 000-255 BLLP 0% - 100% 5 7 7 000-255 BLLD 0% - 100% 6 8 000-255 BLLD 0% - 100% 7 7 7 7 000-255 BLLD 0% - 100% 8 8 8 8 0 000-255 BLLD 10% - 100% 9 13 21 29 000-255 BLLD 10% - 100% 113 21 29 000-255 BLLD 10% - 100% 15 23 31 000-255 BLLD 10% - 100% 16 24 32 000-255 BLLD 10% - 100% 17 25 33 8 11 000-255 BLLD 10% - 100% 18 8 000-255 BLLD 10% - 100% 19 17 25 33 8 11 000-255 BLLD 10% - 100% 10 0		4	4	4	4	4	4	000-255	TILT FINE 16bit
4 6 000-255 BLLP 0% - 100% 5 7 7 000-255 BLLD 0% - 100% 6 8 000-255 BLLD 0% - 100% 7 7 7 7 000-255 BLLD 0% - 100% 8 8 8 8 0 000-255 BLLD 10% - 100% 9 13 21 29 000-255 BLLD 10% - 100% 113 21 29 000-255 BLLD 10% - 100% 15 23 31 000-255 BLLD 10% - 100% 16 24 32 000-255 BLLD 10% - 100% 17 25 33 8 11 000-255 BLLD 10% - 100% 18 8 000-255 BLLD 10% - 100% 19 17 25 33 8 11 000-255 BLLD 10% - 100% 10 0	3	5						000-255	RED 0% - 100%
5									
6 8 000-255 MPITE 0% - 100% 6 6 6 6 6 0 000-255 MED 10 % - 100% 7 7 7 7 7 000-255 MLD 10% - 100% 8 8 8 8 8 000-255 MLTE 1 0% - 100% 9 13 21 29 000-255 MLD 10% - 100% 113 21 29 000-255 MLD 10% - 100% 115 23 31 000-255 MLD 10% - 100% 116 24 32 5 5 5 000-255 MLD 10% - 100% 117 25 33 8 11 000-255 MLD 7 0% - 100% 118 26 37 000-255 MLD 10% - 100% 119 27 35 10 13 8 000-255 MLD 10% - 100% 110 000-255 MLD 10% - 100% 110 000-255 MLD 10% - 100% 111 19 27 35 10 13 8 000-255 MLD 10% - 100% 111 19 27 35 10 13 8 000-255 MLD 10% - 100% 111 19 27 35 10 13 8 000-255 MLD 10% - 100% 111 19 27 35 10 13 8 000-255 MLD 10% - 10% - 10% 110 000-255 MLD 10% - 10% - 10% - 10% - 10% 110 000-255 MLD 10% - 10% - 10% - 10% - 10% - 10% 110 000-255 MLD 10% - 10% - 10% - 10% - 10% - 10% 110 000-255 MLD 10% - 10% - 10% - 10% - 10% - 10% 110 000-255 MLD 10% - 10% - 10% - 10% - 10% - 10% 110 000-255 MLD 10% - 10% - 10% - 10% - 10% - 10% 110 000-255 MLD 10% -									
6 6 6 6 000-255 GREEN 1 0% - 100% 7 7 7 7 000-255 WHITE 1 0% - 100% 8 8 8 8 8 000-255 WHITE 1 0% - 100% 13 21 29 000-255 GREEN 7 0% - 100% 14 22 30 000-255 GREEN 7 0% - 100% 15 23 31 000-255 GREEN 7 0% - 100% 16 24 32 000-255 GREEN 7 0% - 100% 16 24 32 000-255 WHITE 7 0% - 100% 16 24 32 000-255 WHITE 7 0% - 100% 16 27 32 000-255 WHITE 7 0% - 100% 17 3 000-255 CYAN FINE 18 000-255 MAGENTA (0-100% Magenta) 19 17 25 33 8 11 000-255 CYAN FINE 10 000-255 MAGENTA (0-100% Magenta) 10 000-255 YELLOW (0-100% Vellow) 10 000-255 Y	6	8							
7			5	5	5				
8 8 8 8 000-255 WHITE 1 0% - 100% 13			6	6					
13 21 29									
13 21 29			8	8	8				
14 22 30 000-255 GRERN 7 0% - 100% 15 23 31 000-255 UEF 7 0% - 100% 16 24 32 000-255 WHITE 7 0% - 100% 6 000-255 CYAN (0-100% Cyan) 8 000-255 CYAN (0-100% Cyan) 9 000-255 MAGENTA (0-100% Magenta) 9 17 25 33 8 11 000-255 VELLOW (0-100% Yellow) 9 17 25 33 8 11 000-255 VELLOW FINE 10 18 26 34 9 8 200-250 MAGENTA FINE 10 18 26 34 9 8 200-250 MAGENTA FINE 10 18 26 34 9 8 200-250 COLOR TEMPERATURE LINEAR 2,700-10,000K 19 10 10 10 10 10 10 10								000-255	
15 23 31 000-255 BLUE 7 0% - 100% 16 24 32 000-255 BLUE 7 0% - 100% 16 24 32 000-255 CYAN (0-100% Cyan) 17 30 000-255 CYAN FINE 18 000-255 MAGENTA (0-100% Magenta) 19 17 25 33 8 11 000-255 MAGENTA FINE 10 000-255 FLLOW (0-100% Yellow) 10 000-255 YELLOW (0-100% Yellow) 10 000-255 YELLOW (NINE 10 000-255 YELLOW (NINE									
16									
5 5 000-255 CYAN (0-100% Cyan) 6 7 000-255 MAGENTA (0-100% Magenta) 8 000-255 MAGENTA (0-100% Magenta) 7 9 000-255 VELLOW (100% Yellow) 9 17 25 33 8 11 000-255 COLOR TEMPERATURE LINEAR 2,700-10,000K 10 000-255 COLOR TEMPERATURE LINEAR 2,700-10,000K 10 000-255 COLOR TEMPERATURE LINEAR 2,700-10,000K 10 001-050 COLOR TEMPERATURE PRESETS 0 001-050 COLOR TEMPERATURE LINEAR 2,700-10,000K 10 001-050 COLOR TEMPERATURE PRESETS 0 001-050 COLOR TEMPERATU							 		
			16	24	32				
6						5			
8 000-255 MAGENTA FINE 9 17 25 33 8 11 000-255 YELLOW (0-100% Yellow) 9 17 25 33 8 11 000-255 COLOR TEMPERATURE LINEAR 2,700-10,000K									
7 9 000-255 VELLOW (0-100% Yellow) 9 17 25 33 8 11 000-255 COLOR TEMPERATURE LINEAR 2,700-10,000K 001-060 2700K 061-179 3000K 180-201 3200K 202-207 4000K 202-207 4000K 230-234 5000K 235-239 5600K 245-249 8000K 245-249 8000K 245-249 8000K 245-249 8000K 245-249 8000K 250-255 10000K 245-249 8000K 245-249 8000K 250-255 10000K 245-249 8000K 245-240 8000K 245-249 8000K 245-249 8000K 245-240 8000K 245-240 8000K 245-240 8000K 245-240 8000K 245-2						0			
9 17 25 33 8 11 00 000-255 VELLOW FINE COLOR TEMPERATURE LINEAR 2,700-10,000K COLOR TEMPERATURE PRESETS 0 No Function 001-060 2700K 061-179 3000K 180-201 3200K 202-207 4000K 202-207 4000K 230-234 5000K 240-244 6500K 240-244 6500K 240-244 6500K 240-244 6500K 240-244 6500K 240-245 8000K 250-255 10000K 061-179 Open 001-060 Virtual Swatch Colors (See Colors Tab) 061-179 Open 180-201 Color Scroll Clockwise, Fast → slow 202-207 4000K 061-179 Open 180-201 Color Scroll Counter-clockwise, Slow → fast 240-244 Random Slots Medium 245-249 Random Slots Slow 250-255 Open VIRTUAL BACKGROUND COLOR WHEEL 0 Open 001-060 Virtual Swatch Colors (See Colors Tab) 061-179 Open 001-060 Virtual Swatch Colors (See Colors Tab) 061-179 Open 001-060 Virtual Swatch Colors (See Colors Tab) 061-179 Open 001-060 Virtual Swatch Colors (See Colors Tab) 061-179 Open 001-060 Virtual Swatch Colors (See Colors Tab) 061-179 Open 001-060 Virtual Swatch Colors (See Colors Tab) 061-179 Open 001-060 Virtual Swatch Colors (See Colors Tab) 061-179 Open 001-060 Virtual Swatch Colors (See Colors Tab) 061-179 Open 180-201 Color Scroll Clockwise, Fast → slow 220-237 Stop 230-234 Open 235-239 Random Slots Fast 240-244 Random Slots Medium 245-249 Random Slots Medium 245-249 Random Slots Medium 235-239 Random Slots Medium 235-239 Random Slots Medium 235-239 Random Slots Medium 245-249 Random Slots Medium 235-239 Random Slots Medium 235-239 Random Slots Medium 235-239 Random Slots Medium 235-239 Random Slots Medium 245-249 Random Slots Medium 245-249 Random Slots Medium 245-249 Random Slots Medium						7			
9 17 25 33 8 11 000-255 COLOR TEMPERATURE LINEAR 2,700-10,000K COLOR TEMPERATURE PRESETS 0 No Function 001-060 2,700K 061-179 3000K 180-201 3200K 202-207 4000K 208-229 4500K 230-234 5000K 230-234 5000K 245-249 8000K 250-255 1000K 261-179 Open 180-201 Color Scroll Clockwise, Fast → slow 202-207 Stop 208-229 Color Scroll Counter-clockwise, Slow → fast 235-239 Random Slots Fast 240-244 Random Slots Medium 245-249 Random Slots Slow 250-255 Open 180-201 Color Scroll Clockwise, Fast → slow 260-255 Open 01-060 Virtual Swatch Colors (See Colors Tab) 061-179 Open 180-201 Color Scroll Clockwise, Fast → slow 250-255 Open 180-201 Color Scroll Clockwise, Fast → slow 250-255 Open 250-255 Op						-			
Table		9	17	25	33	8			
7			17		- 00	 	<u> </u>		
7 10 18 26 34 9 8 202-207 3000K 180-201 3200K 201-3200K 201-3200K 202-207 4000K 208-229 4500K 230-234 5000K 240-244 6500K 240-244 6500K 245-249 8000K 250-255 10000K WITUAL FOREGROUND COLOR WHEEL Open									
7 10 18 26 34 9 8 202-207 4000K 208-229 4500K 230-234 5000K 230-234 5000K 230-234 5000K 240-244 6500K 240-244 6500K 245-249 8000K 250-255 10000K 250-255 200r 250-250 200-2									
10									
10						İ			
203-224 4500K 230-234 5000K 240-244 6500K 245-249 8000K 245-249 800K 245-249 80	7	10	10	26	24	_		202-207	4000K
11	'	10	10	20	34	9	l °		
240-244 6500K 245-249 8000K 245-249 8000K 250-255 10000K									
11									
11									
11 19 27 35 10 13 13 14 19 27 35 10 13 13 14 19 27 35 10 13 13 13 14 14 19 27 20 28 36 11 14 14 14 245-249 Random Slots Fast 240-244 Random Slots Fast 230-234 Open 235-239 Color Scroll Clockwise, Fast → slow 250-255 Color Scroll Counter-clockwise, Slow → fast 240-244 Random Slots Medium 245-249 Random Slots Slow 250-255 Open									
11 19 27 35 10 13 202-207 Stop 208-229 Color Scroll Clockwise, Fast → slow 202-207 Stop 208-229 Color Scroll Counter-clockwise, Slow → fast 230-234 Open 250-255							 	250-255	
11 19 27 35 10 13 18-201 Color Scroll Clockwise, Fast → slow 202-207 Stop 208-229 Color Scroll Counter-clockwise, Slow → fast 230-234 Open 235-239 Random Slots Fast 240-244 Random Slots Slow 250-255 Open 180-201 Color Scroll Counter-clockwise, Slow → fast 245-249 Random Slots Slow 250-255 Open 01-060 Virtual Swatch Colors (See Colors Tab) 061-179 Open 180-201 Color Scroll Clockwise, Fast → slow 202-207 Stop 208-229 Color Scroll Clockwise, Fast → slow 202-207 Stop 208-229 Color Scroll Counter-clockwise, Slow → fast 230-234 Open 235-239 Random Slots Fast 240-244 Random Slots Fast 240-244 Random Slots Medium 245-249 Random Slots Medium 245-249 Random Slots Medium 245-249 Random Slots Medium 245-249 Random Slots Slow									
11 19 27 35 10 13									
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11									
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235-239 Random Slots Fast 240-244 Random Slots Medium 245-249 Random Slots Slow 250-255 Open VIRTUAL BACKGROUND COLOR WHEEL 0 Open 001-060 Virtual Swatch Colors (See Colors Tab) 061-179 Open 180-201 Color Scroll Clockwise, Fast → slow 202-207 Stop 208-229 Color Scroll Counter-clockwise, Slow → fast 235-239 Random Slots Fast 240-244 Random Slots Medium 245-249 Random Slots Slow						İ			
240-244 Random Slots Medium 245-249 Random Slots Slow 250-255 Open VIRTUAL BACKGROUND COLOR WHEEL 0 Open 001-060 Virtual Swatch Colors (See Colors Tab) 061-179 Open 180-201 Color Scroll Clockwise, Fast → slow 202-207 Stop 208-229 Color Scroll Counter-clockwise, Slow → fast 230-234 Open 235-239 Random Slots Fast 240-244 Random Slots Medium 245-249 Random Slots Slow									
245-249 Random Slots Slow 250-255 Open VIRTUAL BACKGROUND COLOR WHEEL 0 Open 001-060 Virtual Swatch Colors (See Colors Tab) 061-179 Open 180-201 Color Scroll Clockwise, Fast → slow 202-207 Stop 208-229 Color Scroll Counter-clockwise, Slow → fast 230-234 Open 235-239 Random Slots Fast 240-244 Random Slots Medium 245-249 Random Slots Slow						İ			
250-255 Open VIRTUAL BACKGROUND COLOR WHEEL									
12 20 28 36 11 14	l		<u> </u>	I	<u></u>	<u> </u>	<u> </u>		Open
12 20 28 36 11 14 001-060 Virtual Swatch Colors (See Colors Tab) 061-179 Open 180-201 Color Scroll Clockwise, Fast → slow 202-207 Stop 208-229 Color Scroll Counter-clockwise, Slow → fast 230-234 Open 235-239 Random Slots Fast 240-244 Random Slots Medium 245-249 Random Slots Slow									
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12 20 28 36 11 14 208-229 Color Scroll Counter-clockwise, Slow → fast 230-234 Open 235-239 Random Slots Fast 240-244 Random Slots Medium 245-249 Random Slots Slow									
208-229 Color Scroll Counter-clockwise, Slow → fast 230-234 Open 235-239 Random Slots Fast 240-244 Random Slots Medium 245-249 Random Slots Slow		12	20	28	36	11	14		
235-239 Random Slots Fast 240-244 Random Slots Medium 245-249 Random Slots Slow			-	-~		l .,	''		
240-244 Random Slots Medium 245-249 Random Slots Slow									
245-249 Random Slots Slow									
				<u> </u>			<u> </u>	1 200-200	<u> </u> Οροι

	<u> </u>		<u> </u>	<u> </u>				UNCTIONS & VALUES
Ba. 16	Std. 15	34	42	50	Std. CMY	Ext. CMY	Values	Functions
								COLOR TEMPERATURE RED to GREEN
		21	29	37	12	15	0	No Function
							001-255	Shift CT Red to Green
8	13	22	30	38	13	16	000-255	64 COLOR MACROS (See Color Macros Chart pg. 11)
								SHUTTER
								Shutter Closed (LEDs OFF)
								Shutter OPEN (LEDs ON)
								Strobe effect slow → fast
9	14	23	31	39	14	17		Shutter OPEN (LEDs ON)
								Pulse effect in sequences
								Shutter OPEN (LEDs ON)
								Random strobe effect slow → ast Shutter OPEN (LEDs ON)
							248–255	
10	15	24	32	40	15	18		DIMMER 0 to 100%
10	16	25	33	41	16	19		DIMMER FINE 16bit
11	17	26	34	42	17	20		ZOOM Zoom adjustment from wide to narrow
	18	27	35	43	18	21		ZOOM FINE 16bit
					1		000 =00	DIM MODES
							000-020	Default to Unit Setting
							021-040	Standard
							041-060	Stage
							061-080	
								Architectural
							101-120	
							121-140	
							444	DIMMING SPEED
								0.1 s 0.2 s
								0.2 s 0.3 s
								0.4 s
								0.5 s
								0.6 s
	19	28	36	44	19	22		0.7 s
								0.8 s
								0.9 s
								1 s
								1.5 s
							152	2 s
							153	3 s
							154	4 s
								5 s
								6 s
								7 s
								8 s
								9 s
								10 s
					-		101-255	Default to Unit Setting
							000-020	DIM CURVES Square
							021-040	
	20	29	37	45	20	23		Inv. Squa
							061-080	
								No Function
					•		, ,,,,	

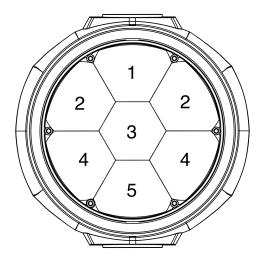
Ва. 16	Std. 15	34	42	50	Std. CMY	Ext. CMY	Values	Functions
					<u> </u>	0		INTERNAL PROGRAMS
							000-009	No Function
							010-019	Program 1
				İ	İ	İ	020-029	Program 2
								Program 3
			İ		İ			Program 4
								Program 5
							060-069	Program 6
								Program 7
								Program 8
			İ		İ			Program 9
12	21	30	38	46	21	24		Program 10
				.				Program 11
							120-129	Program 12
							130-139	Program 13
								Program 14
								Program 15
								Program 16
								Program 17
								Program 18
				l	l	l		Program 19
								Program 20
								No Function
13	22	31	39	47	22	25		PROGRAM SPEED Slow → Fast
14	23	32	40	48	23	26		PROGRAM FADE Min. to Max.
15	24	33	41	49	24	27		PAN / TILT SPEED Max. to Min.
13	27	- 55	 	43	<u> </u>			SPECIAL FUNCTION
								No function (Default LED Refresh Rate 1200 Hz)
								900 Hz LED Refresh Rate
								910 Hz LED Refresh Rate
								920 Hz LED Refresh Rate
								930 Hz LED Refresh Rate
								940 Hz LED Refresh Rate
						1		950 Hz LED Refresh Rate
								960 Hz LED Refresh Rate
								970 Hz LED Refresh Rate
								980 Hz LED Refresh Rate
							020-020	990 Hz LED Refresh Rate
							021-021	1000 Hz LED Refresh Rate
							022-022	1010 Hz LED Refresh Rate
							023-023	1020 Hz LED Refresh Rate
16	25	34	42	50	25	28		1030 Hz LED Refresh Rate
								1040 Hz LED Refresh Rate
								1050 Hz LED Refresh Rate
								1060 Hz LED Refresh Rate
								1070 Hz LED Refresh Rate
								1080 Hz LED Refresh Rate
								1090 Hz LED Refresh Rate
								1100 Hz LED Refresh Rate
								1110 Hz LED Refresh Rate
								1120 Hz LED Refresh Rate
								1130 Hz LED Refresh Rate 1130 Hz LED Refresh Rate
								1140 Hz LED Refresh Rate
								1150 Hz LED Refresh Rate
								1160 Hz LED Refresh Rate
							038-038	1170 Hz LED Refresh Rate
			i				000	1180 Hz LED Refresh Rate

Ba. 16	Std. 15	34	42	50	Std.	Ext.	Values	Functions
<u> </u>			· -	"	CMY	CMY		
								SPECIAL FUNCTION (continued) 1190 Hz LED Refresh Rate
								1210 Hz LED Refresh Rate
								1220 Hz LED Refresh Rate
								1230 Hz LED Refresh Rate
								1240 Hz LED Refresh Rate
								1250 Hz LED Refresh Rate
								1260 Hz LED Refresh Rate
								1270 Hz LED Refresh Rate
								1280 Hz LED Refresh Rate
								1290 Hz LED Refresh Rate
								1300 Hz LED Refresh Rate
								1310 Hz LED Refresh Rate
								1320 Hz LED Refresh Rate
								1330 Hz LED Refresh Rate
								1340 Hz LED Refresh Rate
							055-055	1350 Hz LED Refresh Rate
								1360 Hz LED Refresh Rate
								1370 Hz LED Refresh Rate
								1380 Hz LED Refresh Rate
								1390 Hz LED Refresh Rate
								1400 Hz LED Refresh Rate
								1410 Hz LED Refresh Rate
								1420 Hz LED Refresh Rate
								1430 Hz LED Refresh Rate
								1440 Hz LED Refresh Rate
								1450 Hz LED Refresh Rate
								1460 Hz LED Refresh Rate 1470 Hz LED Refresh Rate
16	25	34	42	50	25	28		1480 Hz LED Refresh Rate
'0	25	04	72	30	23	20		1490 Hz LED Refresh Rate
								1500 Hz LED Refresh Rate
								2500 Hz LED Refresh Rate
								4000 Hz LED Refresh Rate
								5000 Hz LED Refresh Rate
								6000 Hz LED Refresh Rate
				İ				10K Hz LED Refresh Rate
							076-076	15K Hz LED Refresh Rate
								20K Hz LED Refresh Rate
								25K Hz LED Refresh Rate
								No Function
								Enable Blackout while Pan/Tilt moving
								Disable Blackout while Pan/Tilt moving
								Fan Mode Low (Hold 3s)
								Fan Mode High (Hold 3s)
								Fan Mode Auto (Hold 3s)
								Enable Pan Invert (Hold 3s) Disable Pan Invert (Hold 3s)
								Enable Tilt Invert (Hold 3s)
								Disable Tilt Invert (Hold 3s)
								Reset All
								Reset Pan/Tilt
								Reset Effect
								Enable Zoom Speed Fast
								Disable Zoom Speed Fast
								Enable White Calibration (Hold 3s)
								Enable White Fixed Values (Hold 3s)
								Fan Mode Mute (Hold 3s)
								No Function
			_					

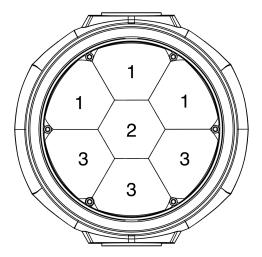
Extended 50 Pixel Configuration



Extended 42 Pixel Configuration



Extended 34 Pixel Configuration



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.

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:

[0x0011] Proxied Device Count	[0x0405] Device Power Cycles
[0x0200] Sensor Definition	[0x0600] Pan Invert
[0x0201] Sensor Value	[0x0601] Tilt Invert
[0x0080] Device Model Description	[0x0602] Pan Tilt Swap
[0x0081] Manufacturer Label	[0x0500] Display Invert
[0x0082] Device Label	[0x0501] Display Level
[0x00E0] DMX Personality	[0x0603] Realtime Clock
[0x00E1] DMX Personality Description	[0x1010] Power State
[0x0400] Device Hours	[0x1031] Preset Playback
[0x0015] Comms Status	[0x0122] Default Slot Value
[0x0031] Status ID Description	[0x00B0] Language
[0x0032] Clear Status ID	[0x00A0] Language Capabilities
[0x0401] Lamp Hours	[0x00C2] Boot Software Version Label
[0x0402] Lamp Strikes	[0x00C1] Boot Software Version ID
[0x0403] Lamp State	[0x0070] Product Detail ID List
[0x0404] Lamp Mode	[0x0030] Status Messages

ERROR CODES

Error Codes subject to change without notice						
Print Error Message	Description					
Error code	PAN, TILT, Zoom, LED Temp, Base Temp, Head Fan, Base Fan					

POWER LINKING

With this feature you can connect the fixtures to one another using the power cable input and output sockets; which is 2 units @110v, and 6 units @240v.

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

CLEANING

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

- 1. Use normal glass cleaner and a soft cloth to wipe down the outside casing.
- 2. Clean the external optics with glass cleaner and a soft cloth every 20 days.
- 3. Always be sure to dry all parts completely before plugging the unit back in. Cleaning frequency depends on the environment in which the fixture operates (i.e. smoke, fog residue, dust, dew).

SPECIFICATIONS

Light Source:

- 7 x 40-Watt RGBW LEDs (50,000 hr.)
- CRI: 83
- CT: 6600K
- 50,900 lux / 4° beam @ 16'
- 1,310 lux / 31° beam @ 16'

Features:

- Moving Head Pixel Wash with Pixel Effects
- · Electronic Strobe / Dimmer
- Pan/Tilt: 540/630 x 265
- Motorized Zoom: 4 ~ 31°
- Color Calibrated Pixels so units match from batch to batch
- Virtual CMY DMX Control Modes
- Virtual Foreground and Background Color Wheel Control
- Selectable LED Refresh Rates (900 Hz~25K Hz)
- Selectable Dim Modes: Standard, Stage, TV, Arch., Theatre, Stage 2 and user settable Dim Speed (0.1S~10S)
- 4 Dim Curves: Square, Linear, Inv. Square and S. Curve
- 0-100% smooth dimming
- Various strobe speeds
- USB firmware update port
- Fan Cooled
- Antenna for WiFLY EXR Wireless DMX

Colors:

- Virtual CMY DMX Control Modes
- Virtual Foreground and Background Color Wheel Control
- Built-In Color Macros
- 2700k ~ 10,000 Liner White Color Control
- Color Temperature Presets: 2700, 3000, 3200, 4000, 4500, 5000, 5600, 6500, 8000 and 10,000K

Control:

- 7 DMX Modes 16/25/34/42/50/25 (CMY)/28 (CMY) Channels
- Color LCD display with 6-button function menu
- Control Mode: DMX512 or internal programs
- Built-In Effect Pixel Programs with Speed and Fade Control
- · Various strobe speeds
- USB firmware update port
- With Wired Digital Communication Network
- RDM (Remote Device Management)
- WiFLY EXR Wireless DMX built-in (2500 ft. / 700M line of sight)

Pan/Tilt:

- Pan: 540/630 degrees
- Tilt: 265 degrees

Connections:

- DMX Connections: 3 & 5-pin XLR In/Out
- Power Connections: Indoor PowerLock In/Thru

Electrical:

- Multi-voltage operation: 90-240V, 47/63Hz
- Max power consumption: 340W @120v

Dimensions & Weight:

- Dimensions (LxWxH): 9.17" x 6.97" x 13.8"
 (233 x 177 x 349mm)
- Weight: 15.5lbs (7kg)

What's Included:

- Omega Brackets
- 1.83M locking power cable

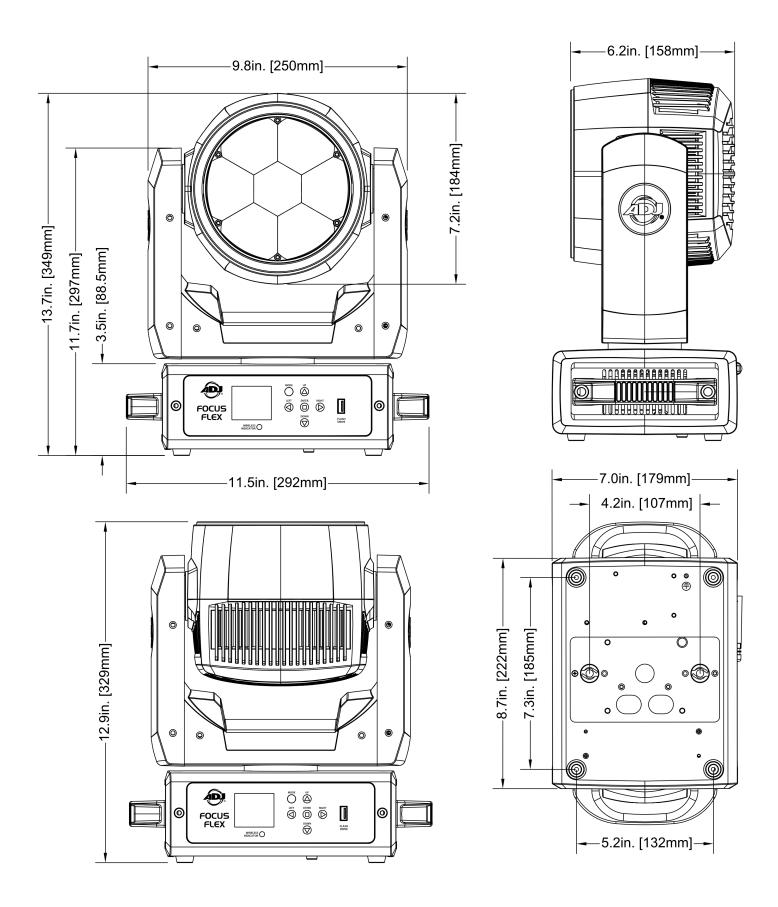
Approvals / Ratings:

- ETL Approved / CE Certified
- IP20



Specifications subject to change without notice.

DIMENSIONS



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 determined 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.

Europe Energy Saving Notice

Energy Saving Matters (EuP 2009/125/EC)

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