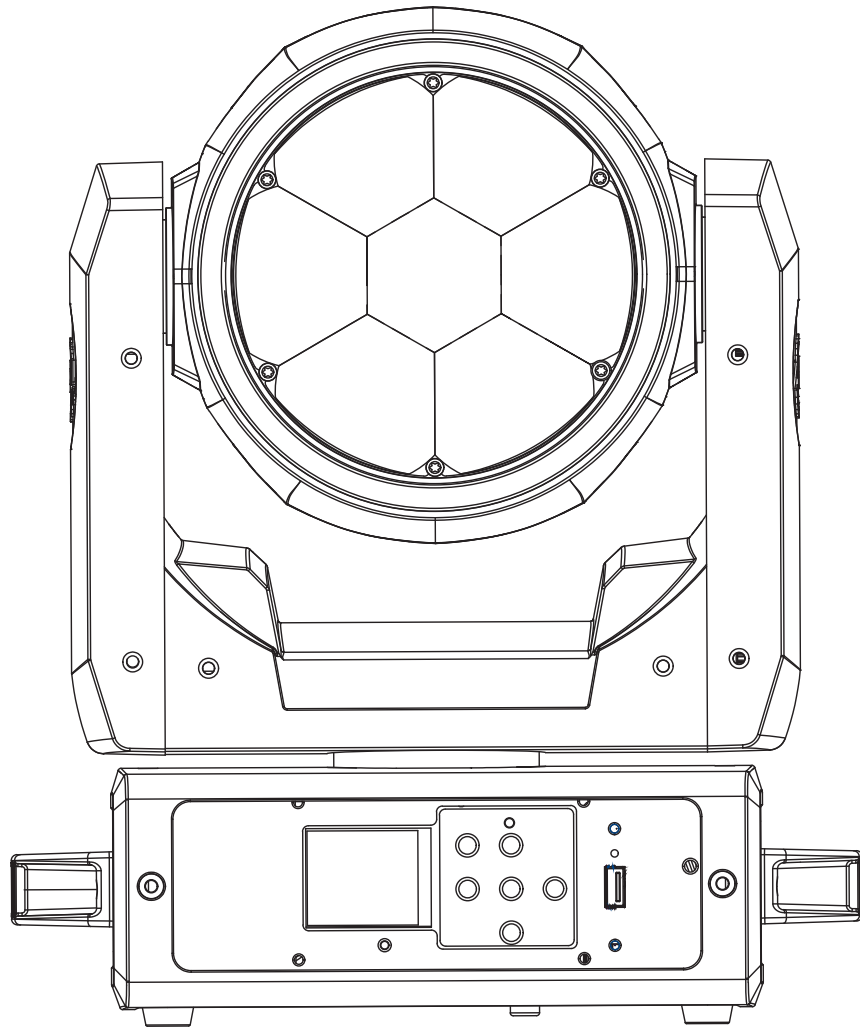




# **FOCUS FLEX L7**

## **User Instructions**

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#### **Europe Energy Saving Notice**

Energy Saving Matters (EuP 2009/125/EC)

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

#### **DOCUMENT VERSION**



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

Please check [www.adj.com](http://www.adj.com) for the latest revision/update of this manual before beginning installation and/or programming.

| Date     | Document Version | Software Version > | DMX Channel Mode        | Notes                                                                                             |
|----------|------------------|--------------------|-------------------------|---------------------------------------------------------------------------------------------------|
| 06/28/22 | 1                | 1.01               | 16/25/34/42/50/25/28    | Initial Release                                                                                   |
| 11/01/22 | 1.1              | N/C                | No Change               | Update Dimensions                                                                                 |
| 11/19/24 | 1.2              | 1.05               | 16/25/34/42/50/26/25/28 | Updated System Menu, DMX Traits, DMX Addressing, RDM, Specifications; Added Aria Setup, Pixel Map |
|          |                  |                    |                         |                                                                                                   |
|          |                  |                    |                         |                                                                                                   |

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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 if the serial number has been altered or removed; if the product is modified in any manner which ADJ Products, LLC concludes, after inspection, affects the reliability of the product, if the product has been repaired or service by anyone other than ADJ Products, LLC factory unless prior written authorization was issued to purchaser by ADJ Products, LLC; if the product is damaged because not properly maintained as set forth in the instruction manual.
- D. This is not a service contract, and this warranty does not include maintenance, cleaning or periodic check up. During the period specified above, ADJ Products, LLC will replace defective parts at its expense with new or refurbished parts, and will absorb all expenses for warrant service and repair labor by reason of defects in material or workmanship. The sole responsibility of ADJ Products, LLC under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of ADJ Products, LLC. All products covered by this warranty were manufactured after August 15, 2012, and bear identifying marks to that effect.
- E. ADJ Products, LLC reserves the right to make changes in design and/or improvements upon its products without any obligation to include these changes in any products theretofore manufactured.
- F. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with products described above. Except to the extent prohibited by applicable law, all implied warranties made by ADJ Products, LLC in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said period has expired. The consumer's and/or Dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall ADJ Products, LLC be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product.
- G. This warranty is the only written warranty applicable to ADJ Products, LLC Products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

## LIMITED WARRANTY PERIODS

- **Non L.E.D. Lighting Products = 1-year (365 days) Limited Warranty** (Such as: Special Effect Lighting, Intelligent Lighting, UV lighting, Strobes, Fog Machines, Bubble Machines, Mirror Balls, Par Cans, Trussing, Lighting Stands etc. excluding LED and lamps)
- **Laser Products = 1 Year (365 Days) Limited Warranty** (excludes laser diodes which have 6 month limited warranty)
- **L.E.D. Products = 2-year (730 days) Limited Warranty** (excluding batteries which have a 180 day limited warranty)  
Note: 2 Year Warranty only applies to purchases within the United States.
- **StarTec Series = 1 Year Limited Warranty** (excluding batteries which have a 180 day limited warranty)
- **ADJ DMX Controllers = 2 Year (730 Days) Limited Warranty**

# 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 MANUFACTURER'S WARRANTY. DAMAGES RESULTING FROM MODIFICATIONS TO THIS FIXTURE AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURER'S WARRANTY AND ARE NOT SUBJECT TO ANY WARRANTY CLAIMS AND/OR REPAIRS.**



**DO NOT PLUG FIXTURE INTO A DIMMER PACK!**

**NEVER OPEN THIS FIXTURE WHILE IN USE!**

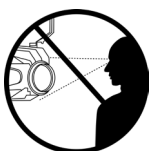
**UNPLUG POWER BEFORE SERVICING FIXTURE!**

**NEVER TOUCH FIXTURE DURING OPERATION AS IT MAY BE HOT! Maximum ambient temperature is 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

## **CAUTION**

### **HIGH INTENSITY ULTRAVIOLET LIGHT**

AVOID DIRECT EYE & SKIN EXPOSURE.  
WEAR PROPER EYE & SKIN PROTECTION.  
SEE MANUAL FOR SAFETY INSTRUCTIONS



**RISKGROUP3-RISKOFEXPOSURETOULTRAVIOLETUVRADIATION!**  
FIXTURE EMITS HIGH INTENSITY WAVELENGTH OF ULTRAVIOLET  
UV LIGHT FROM THE UV COLOR FILTER. WEAR PROPER EYE AND  
SKIN PROTECTION. AVOID PROLONGED PERIODS OF EXPOSURE  
TO UV COLOR FILTER. AVOID WEARING WHITE COLOR CLOTHING  
AND/OR USING UV PAINTS ON SKIN. AVOID DIRECT EYE AND/OR  
SKIN. EXPOSURE AT DISTANCES LESS THAN 11 feet (3.3m). DO  
NOT OPERATE FIXTURE WITH DAMAGED/MISSING EXTERNAL  
COVERS. DO NOT LOOK DIRECTLY INTO THE UV LIGHT AND/  
OR VIEW UV LIGHT DIRECTLY WITH OPTICAL INSTRUMENTS  
THAT MAY CONCENTRATE THE LIGHT/RADIATION OUTPUT.  
INDIVIDUALS SUFFERING FROM A RANGE OF EYE CONDITIONS,  
SUNLIGHT EXPOSURE DIS-ORDERS, OR INDIVIDUALS USING  
PHOTOSENSITIVE MEDICATION, MAY RECEIVE DISCOMFORT IF  
EXPOSED TO THE ULTRAVIOLET UV LIGHT EMITTED FROM THE  
UV LED.

- **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.

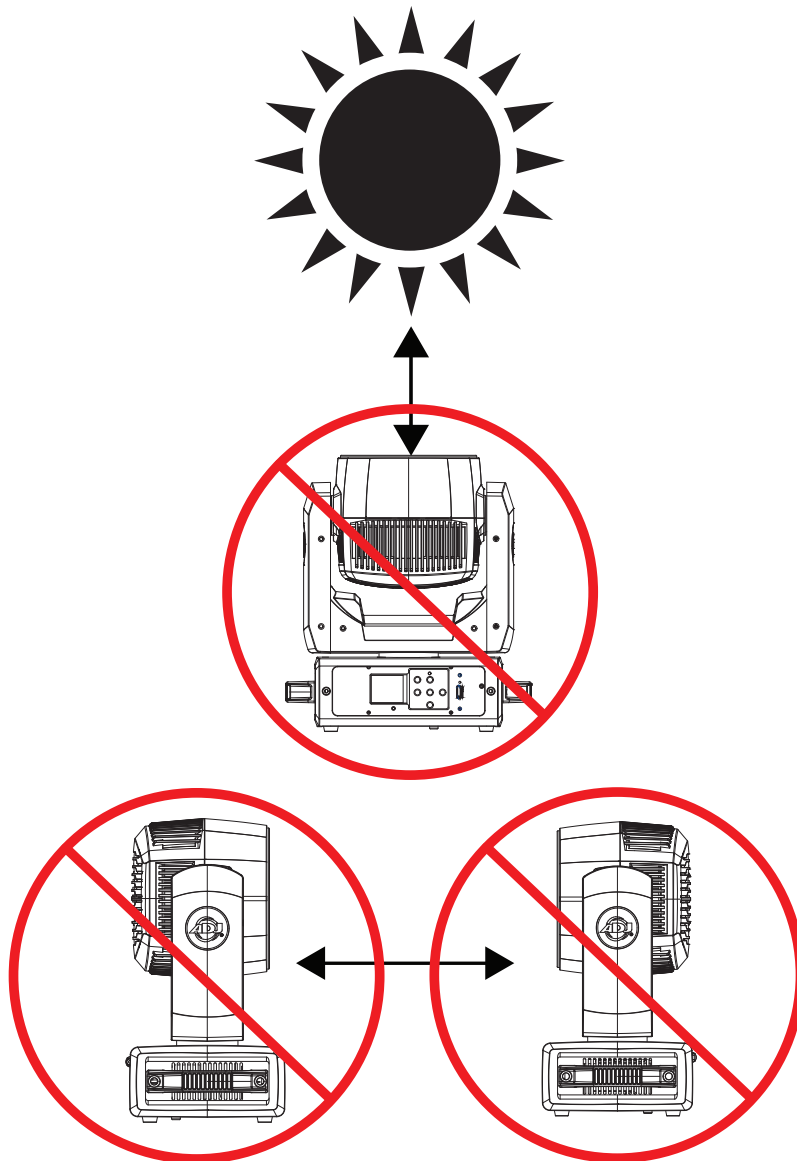
# SAFETY GUIDELINES

## 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.

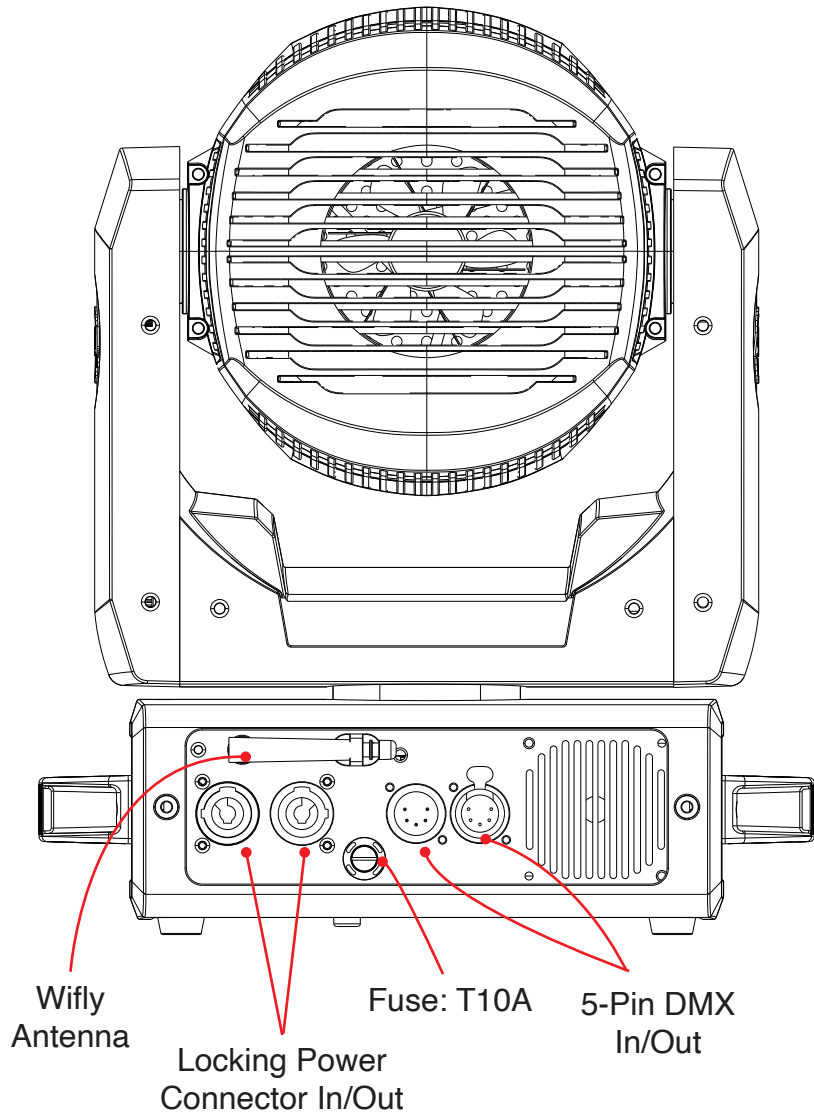
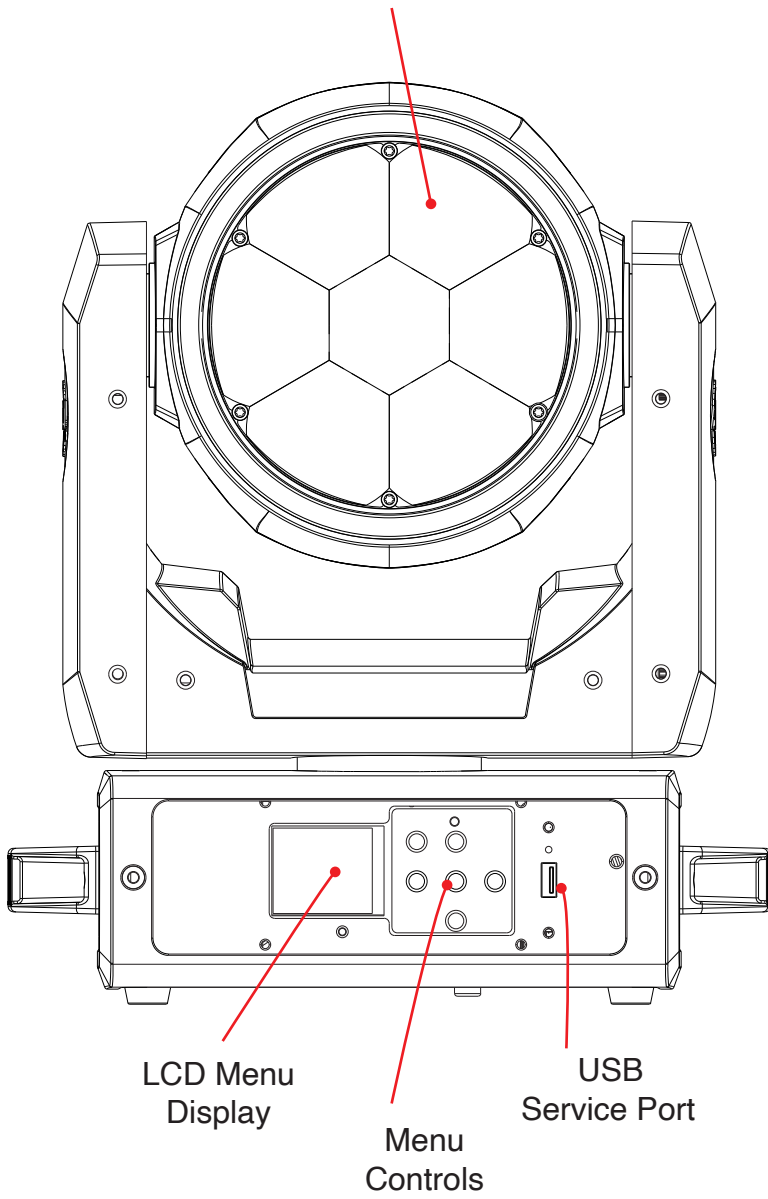
**DO NOT EXPOSE THE FIXTURE AND/OR FRONT LENS OPENING TO LIGHT BEAMS FROM DIRECT SUNLIGHT, OTHER LIGHTING MOVING HEAD FIXTURES, AND LASERS WHILE UNPACKING, INSTALLATION, USE, AND EXTENDED IDLE TIMES OUTDOORS.**  
**DO NOT FOCUS A LIGHT BEAM FROM ONE LIGHTING FIXTURE DIRECTLY TOWARDS ANOTHER.**





# OVERVIEW

7X RGBL LEDs



# VIRTUAL SWATCH COLORS

| VIRTUAL GEL SWATCH BOOK COLORS |               |                   |       |               |                   |       |               |                   |
|--------------------------------|---------------|-------------------|-------|---------------|-------------------|-------|---------------|-------------------|
| 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          | DMX Value | RGLB COLOR INTENSITY |       |      |      | Color          | DMX Value | RGLB COLOR INTENSITY |       |      |      |
|----------------|-----------|----------------------|-------|------|------|----------------|-----------|----------------------|-------|------|------|
|                |           | RED                  | GREEN | BLUE | LIME |                |           | RED                  | GREEN | BLUE | LIME |
| Off            | 0         | 0                    | 0     | 0    | 0    | Color Macro 33 | 129-132   | 255                  | 206   | 143  | 0    |
| Color Macro 1  | 1-4       | 80                   | 255   | 234  | 80   | Color Macro 34 | 133-136   | 254                  | 177   | 153  | 0    |
| Color Macro 2  | 5-8       | 80                   | 255   | 164  | 80   | Color Macro 35 | 137-140   | 254                  | 192   | 138  | 0    |
| Color Macro 3  | 9-12      | 77                   | 255   | 112  | 77   | Color Macro 36 | 141-144   | 254                  | 165   | 98   | 0    |
| Color Macro 4  | 13-16     | 117                  | 255   | 83   | 83   | Color Macro 37 | 145-148   | 254                  | 121   | 0    | 0    |
| Color Macro 5  | 17-20     | 160                  | 255   | 77   | 77   | Color Macro 38 | 149-152   | 176                  | 17    | 0    | 0    |
| Color Macro 6  | 21-24     | 223                  | 255   | 83   | 83   | Color Macro 39 | 153-156   | 96                   | 0     | 11   | 0    |
| Color Macro 7  | 25-28     | 255                  | 243   | 77   | 77   | Color Macro 40 | 157-160   | 234                  | 139   | 171  | 0    |
| Color Macro 8  | 29-32     | 255                  | 200   | 74   | 74   | Color Macro 41 | 161-164   | 224                  | 5     | 97   | 0    |
| Color Macro 9  | 33-36     | 255                  | 166   | 77   | 77   | Color Macro 42 | 165-168   | 175                  | 77    | 173  | 0    |
| Color Macro 10 | 37-40     | 255                  | 125   | 74   | 74   | Color Macro 43 | 169-172   | 119                  | 130   | 199  | 0    |
| Color Macro 11 | 41-44     | 255                  | 97    | 77   | 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.

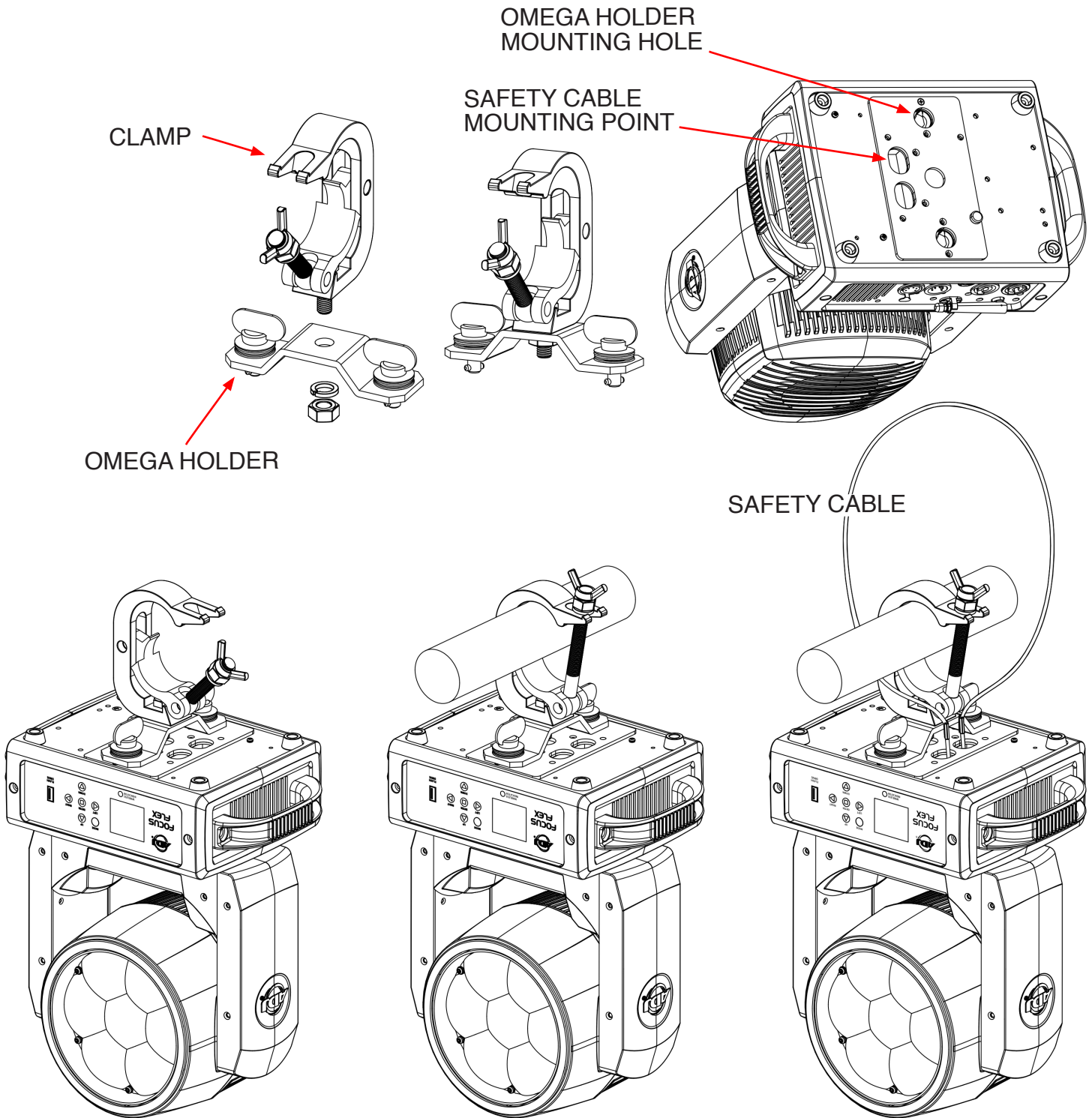
Fixture should be installed in areas outside walking paths, seating areas, or away from areas where unauthorized personnel might reach the fixture by hand.

**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.



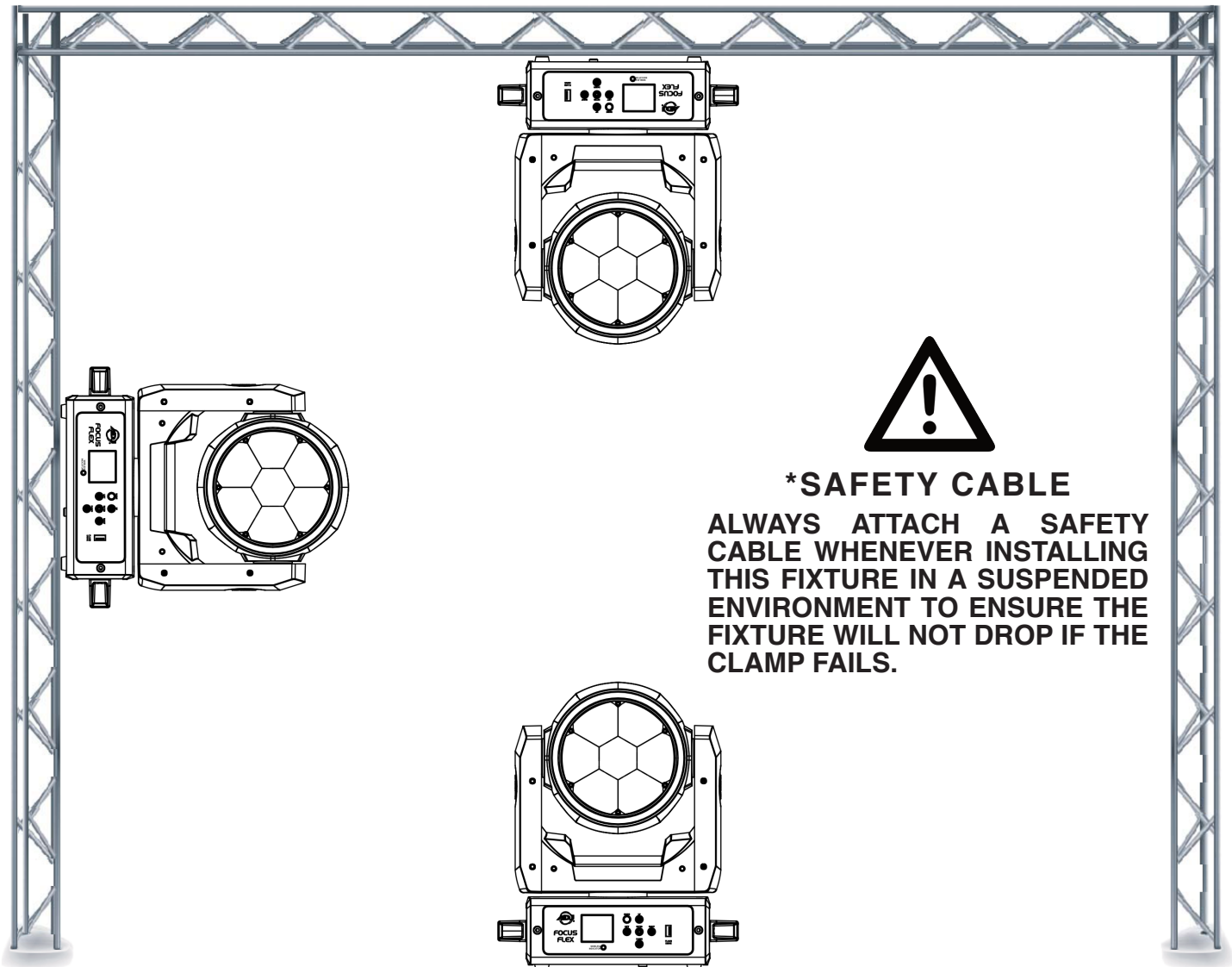
Screw one clamp via a M12 screw and nut into the Omega holder. Insert the quick-lock fasteners of the Omega holder into the respective holes of the adjustable mounting bracket. Tighten the quick-lock fasteners fully clockwise. Pull the safety-cable through the opening located on the bottom of the unit 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.



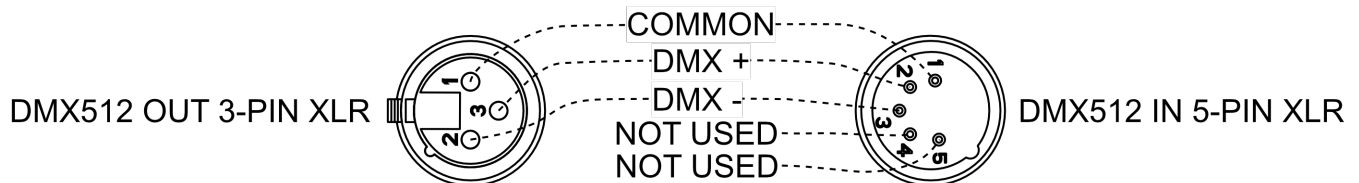
# DMX SETUP

**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).

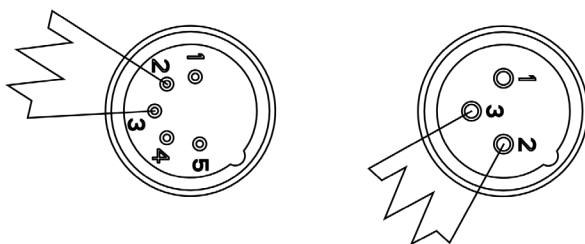
**DMX Linking:** DMX is a language allowing all makes and models of different manufactures to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, when using several DMX fixtures try to use the shortest 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):** This unit 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 33 (17 + 16), the fourth unit to 49 (33 + 16), etc...

| Channel Mode                           | Unit 1 Address | Unit 2 Address | Unit 3 Address | Unit 4 Address |
|----------------------------------------|----------------|----------------|----------------|----------------|
| <b>Basic:<br/>16 Channels</b>          | <b>1</b>       | <b>17</b>      | <b>33</b>      | <b>49</b>      |
| <b>Standard:<br/>25 Channels</b>       | <b>1</b>       | <b>26</b>      | <b>51</b>      | <b>76</b>      |
| <b>Extended 3:<br/>34 Channels</b>     | <b>1</b>       | <b>35</b>      | <b>69</b>      | <b>103</b>     |
| <b>Extended 5:<br/>42 Channels</b>     | <b>1</b>       | <b>43</b>      | <b>85</b>      | <b>127</b>     |
| <b>Extended 7:<br/>50 Channels</b>     | <b>1</b>       | <b>51</b>      | <b>101</b>     | <b>151</b>     |
| <b>Standard RGBW :<br/>26 Channels</b> | <b>1</b>       | <b>27</b>      | <b>53</b>      | <b>79</b>      |
| <b>Standard CMY:<br/>25 Channels</b>   | <b>1</b>       | <b>26</b>      | <b>51</b>      | <b>76</b>      |
| <b>Extended CMY:<br/>28 Channels</b>   | <b>1</b>       | <b>29</b>      | <b>57</b>      | <b>85</b>      |



## 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, and allows the DMX systems of the fixtures to be modified and monitored remotely. This protocol is ideal for instances in which a unit is installed in a location that is not easily accessible.

With RDM, the DMX512 system becomes bi-directional, allowing a compatible RDM enabled controller to send out a signal to devices on the wire, as well as allowing the fixture to respond (known as a GET command). The controller can then use its SET command to modify settings that would typically have to be changed or viewed directly via the unit's display screen, including the DMX Address, DMX Channel Mode, and Temperature Sensors.

### FIXTURE RDM INFORMATION:

| Device ID    | Device Model ID | RDM Code | Personality ID                                                                                                                 |
|--------------|-----------------|----------|--------------------------------------------------------------------------------------------------------------------------------|
| 35 0000-FFFF | 35              | 0x1900   | Basic 16<br>Standard 25<br>Extended 34<br>Extended 42<br>Extended 50<br>Standard RGBW 26<br>Standard CMY 25<br>Extended CMY 28 |

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.

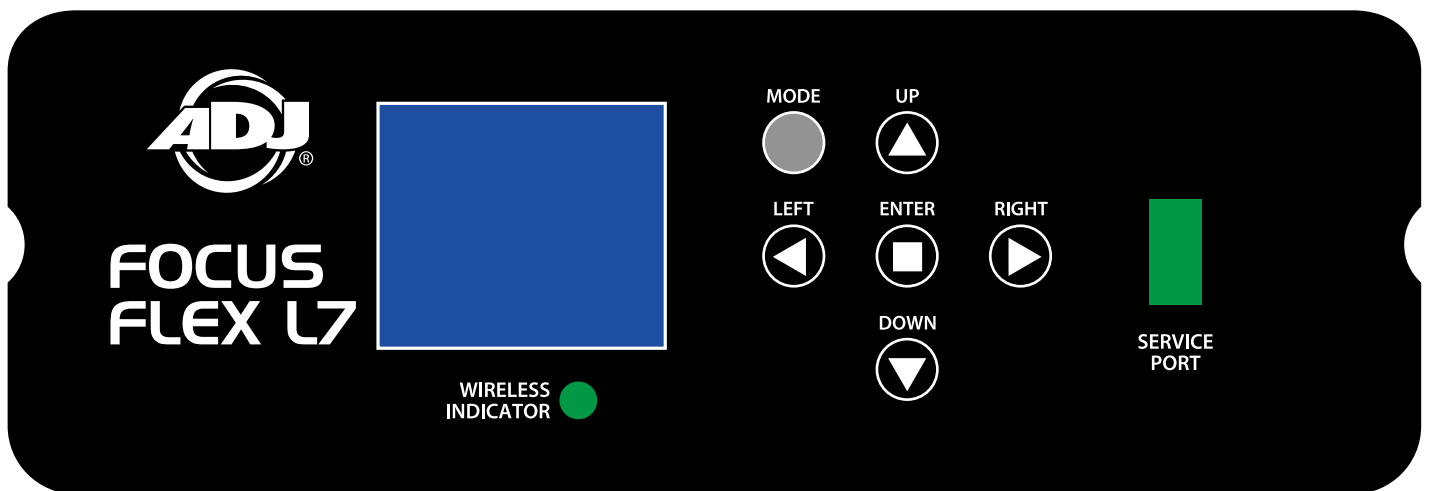
The following parameters are accessible in RDM on this device:

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

## SYSTEM MENU

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 sub-menus 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.



### KEY LOCK

This function allows the user to configure whether or not the display screen and control panel keys will lock after a certain period of inactivity. It can be accessed by navigating to Personality > Display > Key Lock in the system menu. The setting options are described below:

- OFF: The display screen and control panel keys remain active at all times.
- ON: The display screen and control panel keys automatically lock after a certain period of inactivity, which can be set under Personality > Display > Screen Saver Delay. To unlock, press and hold the **MODE** button for 3 seconds.
- ON1: The display screen and control panel keys automatically lock after a certain period of inactivity, which can be set under Personality > Display > Screen Saver Delay. To unlock, press **UP**, **DOWN**, **UP**, **DOWN**, **ENTER** in that order.

### SERVICE PORT / SOFTWARE UPDATES

Please contact ADJ customer support or latest software and updating instructions.

# SYSTEM MENU

| Menu            | Sub Menu         | OPTIONS / VALUES (Default Settings in BOLD) |           | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------|------------------|---------------------------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | DMX Address      | 001 - XXX                                   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DMX Settings    | DMX Channel Mode | Basic 16                                    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                 |                  | Standard 25                                 |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                 |                  | Extended 34                                 |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                 |                  | Extended 42                                 |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                 |                  | Extended 50                                 |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                 |                  | Standard RGBW 26                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Standard CMY 25 |                  |                                             |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Extended CMY 28 |                  |                                             |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| User Mode       |                  |                                             |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| No DMX Status   | Hold Last        |                                             |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                 | Blackout         |                                             |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                 | Manual           |                                             |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Personality     | Prim/Sec Mode    | Primary / Secondary                         |           | When set to Primary and Entered, the unit shall function in Primary mode. When set to Secondary, the unit shall function in Secondary mode. All units shall be set to Secondary by 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 it. 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 or Aria                                 |           | DMX has priority. When Aria is connected, a green LED indicator shall be on solid. When Aria is not connected, a red LED indicator shall be on solid.                                                                                                                                                                                                                                                                                                                          |
|                 |                  | Aria and DMX Out                            |           | When Aria is connected, a green LED indicator shall be on solid. The DMX XLR output shall send DMX signal out.                                                                                                                                                                                                                                                                                                                                                                 |
|                 | Wifly Settings   | Wifly Enable                                | On / Off  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                 |                  | Set Wifly Channel                           | 00 - 14   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                 | Status Settings  | Pan Degree                                  | 630 / 540 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                 |                  | Tilt Degree                                 | 265 / 230 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                 |                  | Pan Invert                                  | ON / OFF  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                 |                  | Tilt Invert                                 | ON / OFF  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                 |                  | P./T. Feedback                              | ON / OFF  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                 |                  | P./T. Speed                                 | Speed 1   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                 |                  |                                             | Speed 2   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                 | Hibernation      | OFF, 01M~99M, 15M                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                 | Fan Settings     | Head Fan                                    | Auto      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                 |                  |                                             | High      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                 |                  |                                             | Low       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                 |                  |                                             | Mute      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Base Fan        |                  | Auto                                        |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                 |                  | High                                        |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                 |                  | Low                                         |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                 |                  | Mute                                        |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

# SYSTEM MENU

| Menu        | Sub Menu         | OPTIONS / VALUES (Default Settings in <b>BOLD</b> )                         |                     | Description                                |
|-------------|------------------|-----------------------------------------------------------------------------|---------------------|--------------------------------------------|
| Personality | Zoom Speed       | <b>Standard</b>                                                             |                     |                                            |
|             |                  | Fast                                                                        |                     |                                            |
|             | Zoom Mode        | <b>Mode 1</b>                                                               |                     |                                            |
|             |                  | Mode 2                                                                      |                     |                                            |
|             | LED Power Mode   | <b>LP Mode 1</b>                                                            |                     | Standard max LED output mode               |
|             |                  | LP Mode 2                                                                   |                     | Regulated LED output with 8500K target CCT |
|             | Dim Modes        | <b>Standard</b>                                                             |                     |                                            |
|             |                  | Stage                                                                       |                     |                                            |
|             |                  | TV                                                                          |                     |                                            |
|             |                  | Architectural                                                               |                     |                                            |
|             |                  | Theatre                                                                     |                     |                                            |
|             |                  | Stage 2                                                                     |                     |                                            |
|             |                  | Dim Speed                                                                   | 0.1S~10S            |                                            |
|             | LED Refresh Rate | 900~1500, 2500, 4000, 5000, 6000, 10KHZ, 15KHZ, 20KHZ, 25KHZ, <b>1200HZ</b> |                     |                                            |
|             | Dim Curve        | Linear                                                                      |                     |                                            |
|             |                  | <b>Square</b>                                                               |                     |                                            |
|             |                  | Inv.Squa                                                                    |                     |                                            |
|             |                  | S.Curve                                                                     |                     |                                            |
|             | Reset Motors     | Reset All Motors                                                            | YES / <b>NO</b>     |                                            |
|             |                  | Pan/Tilt Reset                                                              | YES / <b>NO</b>     |                                            |
|             |                  | Effect Reset                                                                | YES / <b>NO</b>     |                                            |
|             | Display          | Intensity                                                                   | <b>1-10</b>         |                                            |
|             |                  | Display Invert                                                              | YES / <b>NO</b>     |                                            |
|             |                  | Screen Saver Delay                                                          | OFF-10M, <b>05M</b> |                                            |
|             |                  | Key Lock                                                                    | <b>OFF/ON/ON1</b>   |                                            |
|             | Set User Mode    | Pan                                                                         | <b>1</b>            |                                            |
|             |                  | Pan Fine                                                                    | <b>2</b>            |                                            |
|             |                  | Tilt                                                                        | <b>3</b>            |                                            |
|             |                  | Tilt Fine                                                                   | <b>4</b>            |                                            |
|             |                  | Red 1                                                                       | <b>5</b>            |                                            |
|             |                  | Green 1                                                                     | <b>6</b>            |                                            |
|             |                  | Blue 1                                                                      | <b>7</b>            |                                            |
|             |                  | Lime 1                                                                      | <b>8</b>            |                                            |
|             |                  | ...                                                                         | ...                 |                                            |
|             |                  | Red 7                                                                       | <b>29</b>           |                                            |
|             |                  | Green 7                                                                     | <b>30</b>           |                                            |
|             |                  | Blue 7                                                                      | <b>31</b>           |                                            |
|             |                  | Lime 7                                                                      | <b>32</b>           |                                            |
|             |                  | ...                                                                         | ...                 |                                            |
|             |                  | Program                                                                     | <b>46</b>           |                                            |
|             |                  | Program Speed                                                               | <b>47</b>           |                                            |
|             |                  | Program Fade                                                                | <b>48</b>           |                                            |
|             |                  | P/T Speed                                                                   | <b>49</b>           |                                            |
|             |                  | Special                                                                     | <b>50</b>           |                                            |

# SYSTEM MENU

| Menu              | Sub Menu   |                   |                         | Description                                                                          |
|-------------------|------------|-------------------|-------------------------|--------------------------------------------------------------------------------------|
| Personality       | Service    | Pass-code         | Pan 000-55              |                                                                                      |
|                   |            |                   | Tilt 000-255            |                                                                                      |
|                   |            |                   | Red 000-255             |                                                                                      |
|                   |            |                   | Green 000-255           |                                                                                      |
|                   |            |                   | Blue 000-255            |                                                                                      |
|                   |            |                   | LIME 000-255            |                                                                                      |
|                   |            |                   | ...                     |                                                                                      |
|                   |            | Color Calibration | <b>Enable</b> / Disable | When enabled, unit uses calibrated data. When disabled, unit will output to fullest. |
|                   |            | USB Port Power    | OFF/ <b>ON</b>          |                                                                                      |
|                   |            | Update Software   | OFF/ <b>ON</b>          |                                                                                      |
|                   |            | Factory Restore   | OFF/ <b>ON</b>          | Passcode = 011                                                                       |
| Manual Control    | Pan        | 000-255           |                         |                                                                                      |
|                   | Pan Fine   | 000-255           |                         |                                                                                      |
|                   | Tilt       | 000-255           |                         |                                                                                      |
|                   | Tilt Fine  | 000-255           |                         |                                                                                      |
|                   | ....       | ...               |                         |                                                                                      |
| Internal Programs | Program 1  | Speed             | 000-255                 |                                                                                      |
|                   |            | Fade              | 000-255                 |                                                                                      |
|                   | Program 2  | Speed             | 000-255                 |                                                                                      |
|                   |            | Fade              | 000-255                 |                                                                                      |
|                   | Program 3  | Speed             | 000-255                 |                                                                                      |
|                   |            | Fade              | 000-255                 |                                                                                      |
|                   | Program 4  | Speed             | 000-255                 |                                                                                      |
|                   |            | Fade              | 000-255                 |                                                                                      |
|                   | Program 5  | Speed             | 000-255                 |                                                                                      |
|                   |            | Fade              | 000-255                 |                                                                                      |
|                   | Program 6  | Speed             | 000-255                 |                                                                                      |
|                   |            | Fade              | 000-255                 |                                                                                      |
|                   | ...        | ...               | ...                     |                                                                                      |
|                   | Program 20 | Speed             | 000-255                 |                                                                                      |
|                   |            | Fade              | 000-255                 |                                                                                      |

# SYSTEM MENU

| Menu        | Sub Menu         |                            |                        | Description          |
|-------------|------------------|----------------------------|------------------------|----------------------|
| Information | Fixture Lifetime | Power On Time              | xxxxxx Hours           |                      |
|             |                  | P-On Time-R                | xxxxxx Hours           |                      |
|             |                  | P-On Time-Reset            |                        |                      |
|             | Total LED Time   | LED On Time                | xxxxxx Hours           |                      |
|             |                  | LED On Time-R              | xxxxxx Hours           |                      |
|             |                  | LED Hours Reset            | Passcode 050           |                      |
|             | Fixture Temps    | LEDs                       | Current                | T: xxxx°F/xxxx°C     |
|             |                  |                            | Max. Resettable        | T: xxxx°F/xxxx°C     |
|             |                  | Base Temp                  | Current                | T: xxxx°F/xxxx°C     |
|             |                  |                            | Max. Resettable        | T: xxxx°F/xxxx°C     |
|             |                  | Reset LED Temp             | YES / <b>NO</b>        | Passcode: <b>050</b> |
|             |                  | Reset Base Temp            | YES / <b>NO</b>        | Passcode: <b>050</b> |
|             | Fan Info. (RPM)  | LED Fan                    | xxxxRPM LED            |                      |
|             |                  | BaseFan                    | xxxxRPM                |                      |
|             | DMX Values       | Pan                        |                        |                      |
|             |                  | Pan Fine                   |                        |                      |
|             |                  | ...                        |                        |                      |
|             | Error Logs       | xxxxx                      | List Errors one by one |                      |
|             |                  | xxxxx                      |                        |                      |
|             |                  | Reset Error Log            | YES / <b>NO</b>        | Passcode: 050        |
|             | Software Version | 1U:XXX<br>2U:XXX<br>3U:XXX |                        |                      |
|             | Aria ID          | xx:xx:xx:xx:xx:xx          |                        |                      |

# ARIA SETUP



**BEFORE SETTING THE ARIA CHANNEL ON ANY ARIA COMPATIBLE FIXTURE, MAKE SURE THE SOURCE ARIA TRANSCIVER DEVICE IS OFF.**

With this feature you are able to control the unit with DMX without the use of XLR cables. Your DMX controller must be connected to a Aria Transceiver to use this function. Effective range is up to 2500 feet/760 meters (open line of sight).

1. Ensure the source Aria Transceiver device is powered OFF.
2. Power ON the fixture and using the control panel scroll to the PERSONALITY menu and press ENTER. Use the UP and DOWN buttons to highlight the ARIA SETTINGS submenu and press ENTER.
3. Using the UP and DOWN buttons, highlight FREQUENCY and then press ENTER. Use the UP and DOWN buttons to scroll through the available Aria frequency settings, then press ENTER to select the one that you would like to use.
4. Next select one of the two Aria channel settings (select 2.4 GHz Ch if you are using the 2.4 GHz frequency, or Sub Gig Ch if you are using either of the Sub Gig frequencies), then press ENTER. Use the UP and DOWN buttons to find your desired Aria channel and press ENTER to confirm.  
**NOTE:** Erratic fixture movement may occur if other Aria products are in use in the same area and are using the same Aria channel. When Aria is enabled, the fixture may immediately start to respond to the signal from another Aria Transceiver. Make sure to know what Aria channels are being used in the area where the fixture is being used.
5. Set your desired DMX address in the DMX ADDRESS submenu of the DMX SETTINGS main system menu. Set your desired DMX channel mode in the DMX CHANNEL MODE submenu of the DMX SETTINGS main system menu.
6. Repeat this process for all Aria compatible fixtures in the network, making sure all fixtures are assigned the same Aria channel.
7. After all fixtures in the Aria network have been set to the same Aria channel and powered ON, power ON the source AriaTransceiver device.
8. Test all fixtures connected to the Aria network to confirm proper functionality.



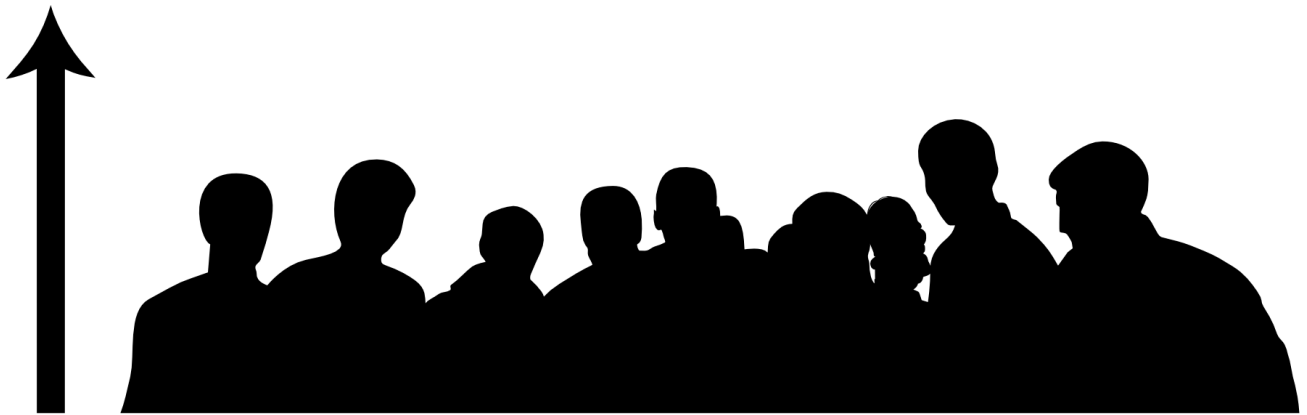
# ARIA SETUP

## INSTALLATION GUIDELINES

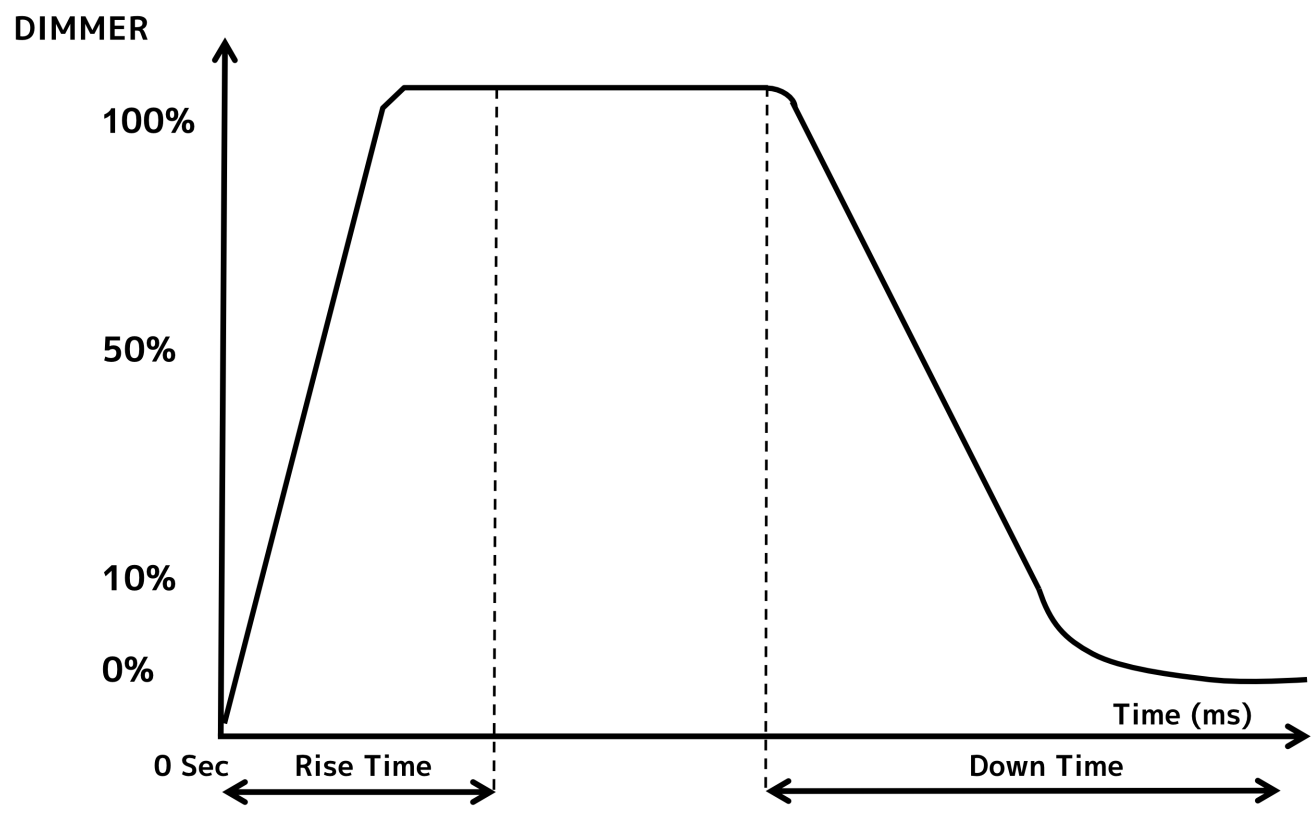
For best results, position the fixture so that the display screen is oriented in the direction of the transmitter device or remote.

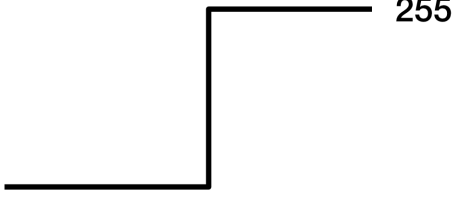
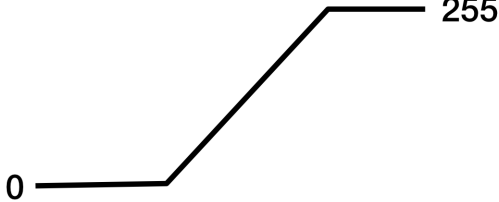
Aria signal can penetrate walls, glass, metal, and most objects. However, there are many factors that can effect and/or interrupt the signal, including people. Therefore, it is highly recommended to position the wireless antenna a minimum of 9.8ft (3m) above audiences to ensure optimum and reliable operation.

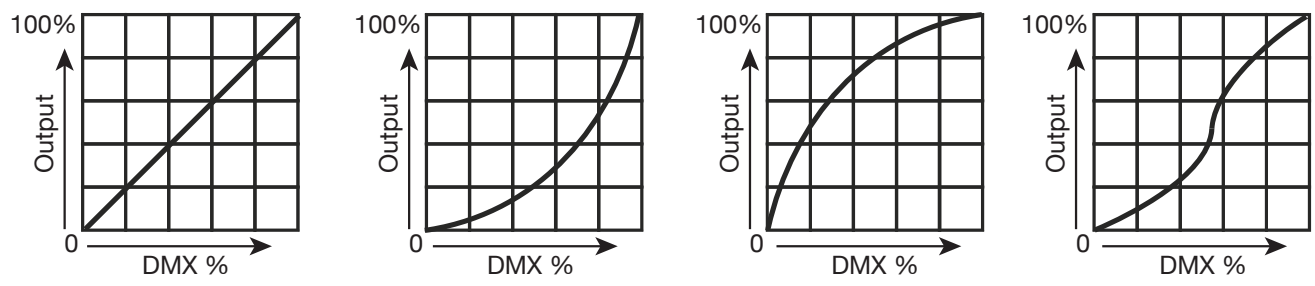
**9.8 ft (3m)  
Above Ground**



# DIMMER CURVE



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



# DMX TRAITS: CHANNEL FUNCTIONS & VALUES

| Basic | Std | Ext 3 | Ext 5 | Ext 7 | Std RGBW | Std. CMY | Ext. CMY | Values  | Functions                                    |
|-------|-----|-------|-------|-------|----------|----------|----------|---------|----------------------------------------------|
| 1     | 1   | 1     | 1     | 1     | 1        | 1        | 1        | 000-255 | PAN 8bit 540/630 Degrees                     |
|       | 2   | 2     | 2     | 2     | 2        | 2        | 2        | 000-255 | PAN FINE 16bit                               |
| 2     | 3   | 3     | 3     | 3     | 3        | 3        | 3        | 000-255 | TILT 8bit 270 Degrees                        |
|       | 4   | 4     | 4     | 4     | 4        | 4        | 4        | 000-255 | TILT FINE 16bit                              |
| 3     | 5   |       |       |       | 5        |          |          | 000-255 | RED 0% - 100%                                |
| 4     | 6   |       |       |       | 6        |          |          | 000-255 | GREEN 0% - 100%                              |
| 5     | 7   |       |       |       | 7        |          |          | 000-255 | BLUE 0% - 100%                               |
| 6     | 8   |       |       |       | 8        |          |          | 000-255 | LIME 0% - 100%                               |
|       |     | 5     | 5     | 5     |          |          |          | 000-255 | RED 1 0% - 100%                              |
|       |     | 6     | 6     | 6     |          |          |          | 000-255 | GREEN 1 0% - 100%                            |
|       |     | 7     | 7     | 7     |          |          |          | 000-255 | BLUE 1 0% - 100%                             |
|       |     | 8     | 8     | 8     |          |          |          | 000-255 | LIME 1 0% - 100%                             |
|       |     | ...   | ...   | ...   |          |          |          | 000-255 | ...                                          |
|       |     | 13    | 21    | 29    |          |          |          | 000-255 | RED 7 0% - 100%                              |
|       |     | 14    | 22    | 30    |          |          |          | 000-255 | GREEN 7 0% - 100%                            |
|       |     | 15    | 23    | 31    |          |          |          | 000-255 | BLUE 7 0% - 100%                             |
|       |     | 16    | 24    | 32    |          |          |          | 000-255 | LIME 7 0% - 100%                             |
|       |     |       |       |       |          | 5        | 5        | 000-255 | CYAN (0-100% Cyan)                           |
|       |     |       |       |       |          |          | 6        | 000-255 | CYAN FINE                                    |
|       |     |       |       |       |          | 6        | 7        | 000-255 | MAGENTA (0-100% Magenta)                     |
|       |     |       |       |       |          |          | 8        | 000-255 | MAGENTA FINE                                 |
|       |     |       |       |       |          | 7        | 9        | 000-255 | YELLOW (0-100% Yellow)                       |
|       |     |       |       |       |          |          | 10       | 000-255 | YELLOW FINE                                  |
|       | 9   | 17    | 25    | 33    | 9        | 8        | 11       | 000-255 | COLOR TEMPERATURE LINEAR 2,700-10,000K       |
| 7     | 10  | 18    | 26    | 34    | 10       | 9        | 12       |         | COLOR TEMPERATURE PRESETS                    |
|       |     |       |       |       |          |          |          | 0       | No Function                                  |
|       |     |       |       |       |          |          |          | 001-060 | 2700K                                        |
|       |     |       |       |       |          |          |          | 061-179 | 3000K                                        |
|       |     |       |       |       |          |          |          | 180-201 | 3200K                                        |
|       |     |       |       |       |          |          |          | 202-207 | 4000K                                        |
|       |     |       |       |       |          |          |          | 208-229 | 4500K                                        |
|       |     |       |       |       |          |          |          | 230-234 | 5000K                                        |
|       |     |       |       |       |          |          |          | 235-239 | 5600K                                        |
|       |     |       |       |       |          |          |          | 240-244 | 6500K                                        |
|       |     |       |       |       |          |          |          | 245-249 | 8000K                                        |
|       |     |       |       |       |          |          |          | 250-255 | 10000K                                       |
|       | 11  | 19    | 27    | 35    | 11       | 10       | 13       |         | VIRTUAL FOREGROUND 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                            |
|       |     |       |       |       |          |          |          | 250-255 | Open                                         |
|       | 12  | 20    | 28    | 36    | 12       | 11       | 14       |         | 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                            |
|       |     |       |       |       |          |          |          | 250-255 | Open                                         |

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# DMX TRAITS: CHANNEL FUNCTIONS & VALUES

| Basic | Std | Ext 3 | Ext 5 | Ext 7 | Std RGBW | Std. CMY | Ext. CMY | Values  | Functions                                       |
|-------|-----|-------|-------|-------|----------|----------|----------|---------|-------------------------------------------------|
|       |     | 21    | 29    | 37    | 13       | 12       | 15       |         | <b>COLOR TEMPERATURE RED to GREEN</b>           |
|       |     |       |       |       |          |          |          | 0       | No Function                                     |
|       |     |       |       |       |          |          |          | 001-255 | Shift CT Red to Green                           |
| 8     | 13  | 22    | 30    | 38    | 14       | 13       | 16       | 000-255 | <b>64 COLOR MACROS (See Color Macros Chart)</b> |
|       |     |       |       |       |          |          |          |         | <b>SHUTTER</b>                                  |
|       |     |       |       |       |          |          |          | 000-031 | Shutter Closed (LEDs OFF)                       |
|       |     |       |       |       |          |          |          | 032-063 | Shutter OPEN (LEDs ON)                          |
|       |     |       |       |       |          |          |          | 064-095 | Strobe effect slow to fast                      |
|       |     |       |       |       |          |          |          | 096-127 | Shutter OPEN (LEDs ON)                          |
|       |     |       |       |       |          |          |          | 128-159 | Pulse effect in sequences                       |
|       |     |       |       |       |          |          |          | 160-191 | Shutter OPEN (LEDs ON)                          |
|       |     |       |       |       |          |          |          | 192-223 | Random strobe effect slow to fast               |
|       |     |       |       |       |          |          |          | 224-255 | Shutter OPEN (LEDs ON)                          |
| 10    | 15  | 24    | 32    | 40    | 16       | 15       | 18       | 000-255 | <b>DIMMER 0 to 100%</b>                         |
|       | 16  | 25    | 33    | 41    | 17       | 16       | 19       | 000-255 | <b>DIMMER FINE 16bit</b>                        |
| 11    | 17  | 26    | 34    | 42    | 18       | 17       | 20       | 000-255 | <b>ZOOM</b> Zoom adjustment from wide to narrow |
|       | 18  | 27    | 35    | 43    | 19       | 18       | 21       | 000-255 | <b>ZOOM FINE 16bit</b>                          |
|       |     |       |       |       |          |          |          |         | <b>DIM MODES</b>                                |
|       |     |       |       |       |          |          |          | 000-020 | Default to Unit Setting                         |
|       |     |       |       |       |          |          |          | 021-040 | Standard                                        |
|       |     |       |       |       |          |          |          | 041-060 | Stage                                           |
|       |     |       |       |       |          |          |          | 061-080 | TV                                              |
|       |     |       |       |       |          |          |          | 081-100 | Architectural                                   |
|       |     |       |       |       |          |          |          | 101-120 | Theatre                                         |
|       |     |       |       |       |          |          |          | 121-140 | Stage 2                                         |
|       |     |       |       |       |          |          |          |         | <b>DIMMING SPEED</b>                            |
|       |     |       |       |       |          |          |          | 141     | 0.1 s                                           |
|       |     |       |       |       |          |          |          | 142     | 0.2 s                                           |
|       |     |       |       |       |          |          |          | 143     | 0.3 s                                           |
|       |     |       |       |       |          |          |          | 144     | 0.4 s                                           |
|       |     |       |       |       |          |          |          | 145     | 0.5 s                                           |
|       |     |       |       |       |          |          |          | 146     | 0.6 s                                           |
|       |     |       |       |       |          |          |          | 147     | 0.7 s                                           |
|       |     |       |       |       |          |          |          | 148     | 0.8 s                                           |
|       |     |       |       |       |          |          |          | 149     | 0.9 s                                           |
|       |     |       |       |       |          |          |          | 150     | 1 s                                             |
|       |     |       |       |       |          |          |          | 151     | 1.5 s                                           |
|       |     |       |       |       |          |          |          | 152     | 2 s                                             |
|       |     |       |       |       |          |          |          | 153     | 3 s                                             |
|       |     |       |       |       |          |          |          | 154     | 4 s                                             |
|       |     |       |       |       |          |          |          | 155     | 5 s                                             |
|       |     |       |       |       |          |          |          | 156     | 6 s                                             |
|       |     |       |       |       |          |          |          | 157     | 7 s                                             |
|       |     |       |       |       |          |          |          | 158     | 8 s                                             |
|       |     |       |       |       |          |          |          | 159     | 9 s                                             |
|       |     |       |       |       |          |          |          | 160     | 10 s                                            |
|       |     |       |       |       |          |          |          | 161-255 | Default to Unit Setting                         |
|       |     |       |       |       |          |          |          |         | <b>DIM CURVES</b>                               |
|       |     |       |       |       |          |          |          | 000-020 | Square                                          |
|       |     |       |       |       |          |          |          | 021-040 | Linear                                          |
|       |     |       |       |       |          |          |          | 041-060 | Inv. Squa                                       |
|       |     |       |       |       |          |          |          | 061-080 | S. Curve                                        |
|       |     |       |       |       |          |          |          | 081-255 | No Function                                     |

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# DMX TRAITS: CHANNEL FUNCTIONS & VALUES

| Basic                  | Std | Ext 3 | Ext 5 | Ext 7 | Std RGBW | Std. CMY | Ext. CMY | Values  | Functions                                      |
|------------------------|-----|-------|-------|-------|----------|----------|----------|---------|------------------------------------------------|
| 12                     | 21  | 30    | 38    | 46    | 22       | 21       | 24       |         | INTERNAL PROGRAMS                              |
|                        |     |       |       |       |          |          |          | 000-009 | No Function                                    |
|                        |     |       |       |       |          |          |          | 010-019 | Program 1                                      |
|                        |     |       |       |       |          |          |          | 020-029 | Program 2                                      |
|                        |     |       |       |       |          |          |          | 030-039 | Program 3                                      |
|                        |     |       |       |       |          |          |          | 040-049 | Program 4                                      |
|                        |     |       |       |       |          |          |          | 050-059 | Program 5                                      |
|                        |     |       |       |       |          |          |          | 060-069 | Program 6                                      |
|                        |     |       |       |       |          |          |          | 070-079 | Program 7                                      |
|                        |     |       |       |       |          |          |          | 080-089 | Program 8                                      |
|                        |     |       |       |       |          |          |          | 090-099 | Program 9                                      |
|                        |     |       |       |       |          |          |          | 100-109 | Program 10                                     |
|                        |     |       |       |       |          |          |          | 110-119 | Program 11                                     |
|                        |     |       |       |       |          |          |          | 120-129 | Program 12                                     |
|                        |     |       |       |       |          |          |          | 130-139 | Program 13                                     |
|                        |     |       |       |       |          |          |          | 140-149 | Program 14                                     |
|                        |     |       |       |       |          |          |          | 150-159 | Program 15                                     |
|                        |     |       |       |       |          |          |          | 160-169 | Program 16                                     |
|                        |     |       |       |       |          |          |          | 170-179 | Program 17                                     |
|                        |     |       |       |       |          |          |          | 180-189 | Program 18                                     |
|                        |     |       |       |       |          |          |          | 190-199 | Program 19                                     |
|                        |     |       |       |       |          |          |          | 200-209 | Program 20                                     |
|                        |     |       |       |       |          |          |          | 210-255 | No Function                                    |
| 13                     | 22  | 31    | 39    | 47    | 23       | 22       | 25       | 000-255 | PROGRAM SPEED Slow -> Fast                     |
| 14                     | 23  | 32    | 40    | 48    | 24       | 23       | 26       | 000-255 | PROGRAM FADE Min. to Max.                      |
| 15                     | 24  | 33    | 41    | 49    | 25       | 24       | 27       | 000-255 | PAN / TILT SPEED Max. to Min.                  |
| 16                     | 25  | 34    | 42    | 50    | 26       | 25       | 28       |         | SPECIAL FUNCTION                               |
|                        |     |       |       |       |          |          |          | 000-010 | No function (Default LED Refresh Rate 1200 Hz) |
|                        |     |       |       |       |          |          |          | 011-011 | 900 Hz LED Refresh Rate                        |
|                        |     |       |       |       |          |          |          | 012-012 | 910 Hz LED Refresh Rate                        |
|                        |     |       |       |       |          |          |          | 013-013 | 920 Hz LED Refresh Rate                        |
|                        |     |       |       |       |          |          |          | 014-014 | 930 Hz LED Refresh Rate                        |
|                        |     |       |       |       |          |          |          | 015-015 | 940 Hz LED Refresh Rate                        |
|                        |     |       |       |       |          |          |          | 016-016 | 950 Hz LED Refresh Rate                        |
|                        |     |       |       |       |          |          |          | 017-017 | 960 Hz LED Refresh Rate                        |
|                        |     |       |       |       |          |          |          | 018-018 | 970 Hz LED Refresh Rate                        |
|                        |     |       |       |       |          |          |          | 019-019 | 980 Hz LED Refresh Rate                        |
|                        |     |       |       |       |          |          |          | 020-020 | 990 Hz LED Refresh Rate                        |
|                        |     |       |       |       |          |          |          | 021-021 | 1000 Hz LED Refresh Rate                       |
|                        |     |       |       |       |          |          |          | 022-022 | 1010 Hz LED Refresh Rate                       |
|                        |     |       |       |       |          |          |          | 023-023 | 1020 Hz LED Refresh Rate                       |
|                        |     |       |       |       |          |          |          | 024-024 | 1030 Hz LED Refresh Rate                       |
|                        |     |       |       |       |          |          |          | 025-025 | 1040 Hz LED Refresh Rate                       |
|                        |     |       |       |       |          |          |          | 026-026 | 1050 Hz LED Refresh Rate                       |
|                        |     |       |       |       |          |          |          | 027-027 | 1060 Hz LED Refresh Rate                       |
|                        |     |       |       |       |          |          |          | 028-028 | 1070 Hz LED Refresh Rate                       |
|                        |     |       |       |       |          |          |          | 029-029 | 1080 Hz LED Refresh Rate                       |
|                        |     |       |       |       |          |          |          | 030-030 | 1090 Hz LED Refresh Rate                       |
|                        |     |       |       |       |          |          |          | 031-031 | 1100 Hz LED Refresh Rate                       |
|                        |     |       |       |       |          |          |          | 032-032 | 1110 Hz LED Refresh Rate                       |
|                        |     |       |       |       |          |          |          | 033-033 | 1120 Hz LED Refresh Rate                       |
|                        |     |       |       |       |          |          |          | 034-034 | 1130 Hz LED Refresh Rate                       |
|                        |     |       |       |       |          |          |          | 035-035 | 1140 Hz LED Refresh Rate                       |
|                        |     |       |       |       |          |          |          | 036-036 | 1150 Hz LED Refresh Rate                       |
|                        |     |       |       |       |          |          |          | 037-037 | 1160 Hz LED Refresh Rate                       |
|                        |     |       |       |       |          |          |          | 038-038 | 1170 Hz LED Refresh Rate                       |
|                        |     |       |       |       |          |          |          | 039-039 | 1180 Hz LED Refresh Rate                       |
| continued on next page |     |       |       |       |          |          |          |         |                                                |

# DMX TRAITS: CHANNEL FUNCTIONS & VALUES

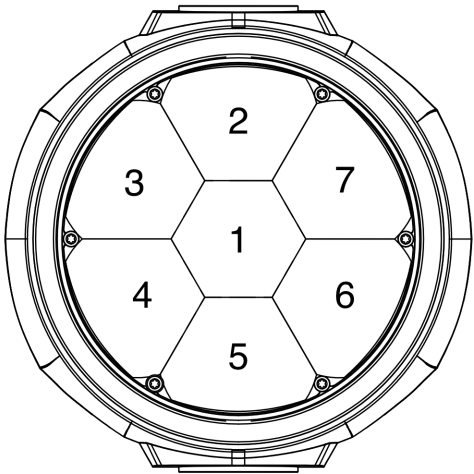
| Basic | Std | Ext 3 | Ext 5 | Ext 7 | Std RGBW | Std. CMY | Ext. CMY | Values  | Functions                              |
|-------|-----|-------|-------|-------|----------|----------|----------|---------|----------------------------------------|
| 16    | 25  | 34    | 42    | 50    | 26       | 25       | 28       |         | <b>SPECIAL FUNCTION</b> (continued)    |
|       |     |       |       |       |          |          |          | 040-040 | 1190 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 041-041 | 1210 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 042-042 | 1220 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 043-043 | 1230 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 044-044 | 1240 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 045-045 | 1250 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 046-046 | 1260 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 047-047 | 1270 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 048-048 | 1280 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 049-049 | 1290 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 050-050 | 1300 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 051-051 | 1310 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 052-052 | 1320 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 053-053 | 1330 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 054-054 | 1340 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 055-055 | 1350 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 056-056 | 1360 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 057-057 | 1370 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 058-058 | 1380 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 059-059 | 1390 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 060-060 | 1400 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 061-061 | 1410 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 062-062 | 1420 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 063-063 | 1430 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 064-064 | 1440 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 065-065 | 1450 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 066-066 | 1460 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 067-067 | 1470 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 068-068 | 1480 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 069-069 | 1490 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 070-070 | 1500 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 071-071 | 2500 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 072-072 | 4000 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 073-073 | 5000 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 074-074 | 6000 Hz LED Refresh Rate               |
|       |     |       |       |       |          |          |          | 075-075 | 10K Hz LED Refresh Rate                |
|       |     |       |       |       |          |          |          | 076-076 | 15K Hz LED Refresh Rate                |
|       |     |       |       |       |          |          |          | 077-077 | 20K Hz LED Refresh Rate                |
|       |     |       |       |       |          |          |          | 078-078 | 25K Hz LED Refresh Rate                |
|       |     |       |       |       |          |          |          | 079-079 | No Function                            |
|       |     |       |       |       |          |          |          | 080-089 | Enable Blackout while Pan/Tilt moving  |
|       |     |       |       |       |          |          |          | 090-099 | Disable Blackout while Pan/Tilt moving |
|       |     |       |       |       |          |          |          | 100-105 | Fan Mode Low (Hold 3s)                 |
|       |     |       |       |       |          |          |          | 106-111 | Fan Mode High (Hold 3s)                |
|       |     |       |       |       |          |          |          | 112-117 | Fan Mode Auto (Hold 3s)                |
|       |     |       |       |       |          |          |          | 118-122 | Enable Pan Invert (Hold 3s)            |
|       |     |       |       |       |          |          |          | 123-127 | Disable Pan Invert (Hold 3s)           |
|       |     |       |       |       |          |          |          | 128-132 | Enable Tilt Invert (Hold 3s)           |
|       |     |       |       |       |          |          |          | 133-139 | Disable Tilt Invert (Hold 3s)          |
|       |     |       |       |       |          |          |          | 140-149 | Reset All                              |
|       |     |       |       |       |          |          |          | 150-159 | Reset Pan/Tilt                         |
|       |     |       |       |       |          |          |          | 160-169 | Reset Effect                           |
|       |     |       |       |       |          |          |          | 170-174 | Enable Zoom Speed Fast                 |
|       |     |       |       |       |          |          |          | 175-179 | Disable Zoom Speed Fast                |
|       |     |       |       |       |          |          |          | 180-182 | Enable White Calibration (Hold 3s)     |
|       |     |       |       |       |          |          |          | 183-185 | Enable White Fixed Values (Hold 3s)    |

# DMX TRAITS: CHANNEL FUNCTIONS & VALUES

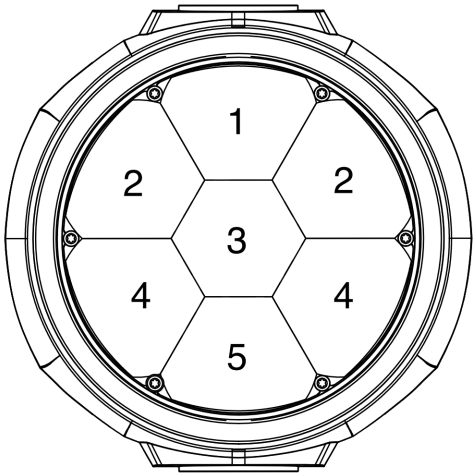
| Basic | Std | Ext<br>3 | Ext<br>5 | Ext<br>7 | Std<br>RGBW | Std.<br>CMY | Ext.<br>CMY | Values  | Functions                           |
|-------|-----|----------|----------|----------|-------------|-------------|-------------|---------|-------------------------------------|
| 16    | 25  | 34       | 42       | 50       | 26          | 25          | 28          |         | <b>SPECIAL FUNCTION</b> (continued) |
|       |     |          |          |          |             |             |             | 186-189 | Fan Mode Mute (hold 3s)             |
|       |     |          |          |          |             |             |             | 190-193 | Enable Zoom Mode 2 (hold 3s)        |
|       |     |          |          |          |             |             |             | 194-197 | Disable Zoom Mode 2 (hold 3s)       |
|       |     |          |          |          |             |             |             | 198-255 | No Function                         |

# PIXEL MAP

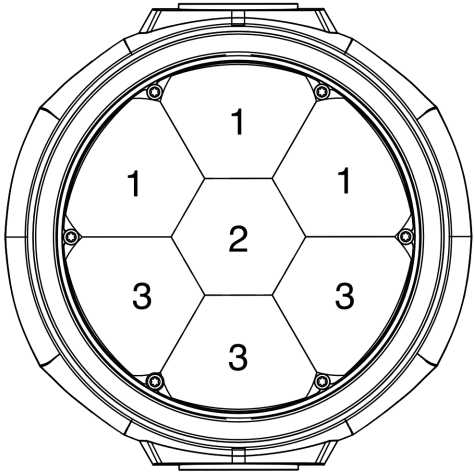
Extended 50 Pixel Configuration



Extended 42 Pixel Configuration



Extended 34 Pixel Configuration



# ERROR CODES

| Print Error Message | Description                                              |
|---------------------|----------------------------------------------------------|
| Error code          | PAN, TILT, Zoom, LED Temp, Base Temp, Head Fan, Base Fan |
|                     |                                                          |



## POWER LINKING

This feature allows multiple units to be linked together by way of the power input and output sockets. The maximum number of devices that can be connected in this manner is as follows:

- **2 units @110v**
- **6 units @ 220v**

After this quantity has been reached, a new power outlet must be used to accommodate additional devices.

**Linked devices must be of the same make and model type. DO NOT mix devices!**

## 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

## Source:

- 7 x 40-Watt RGLB LEDs (50,000 hr.)
- CRI: 83.4
- CT: 2700K ~ 10,000K
- 14,329 lux / 4° beam @ 16' (5m)
- 367 lux / 35° beam @ 16' (5m)
- Lumens: 3500 (Zoomed Out, Full On)

## Features:

- Moving Head Pixel Wash with Pixel Effects
- Electronic Strobe / Dimmer
- Pan/Tilt: 540/630 x 265/230
- Beam Angle: 4 ~ 35°
- Field Angle: 6 ~ 55°
- 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
- 2,700K ~ 10,000K Linear White Color Temperature Control
- Color Temperature Presets: 2,700, 3,000, 3,200, 4,000, 4,500, 5,000, 5,600, 6,500, 8,000 and 10,000K

## Control:

- 8 DMX Modes - 16/25/34/42/50/26 (RGBW)/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). Also compatible with Aria X2 Transceivers for 2.4Ghz Wireless DMX control.

## Pan/Tilt:

- Pan: 540/630 degrees
- Tilt: 250 degrees

## Connections:

- DMX Connections: 5-pin XLR In/Out
- Power Connections: Indoor Locking Power In/Out

## Electrical:

- Multi-voltage operation: 90-240V, 50/60Hz
- Max power consumption: 337W @120V

## Dimensions & Weight:

- Dimensions (LxWxH): 7.0"x9.8"x13.7" (178.8x250.0x349.2mm)
- Weight: 15.5lbs (7kg)

## What's Included:

- Omega Brackets
- 1.83M locking power cable
- Safety Cable

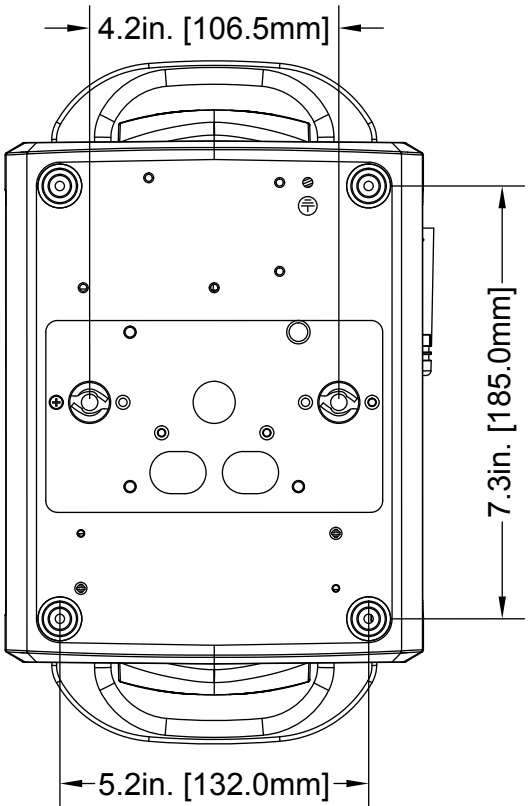
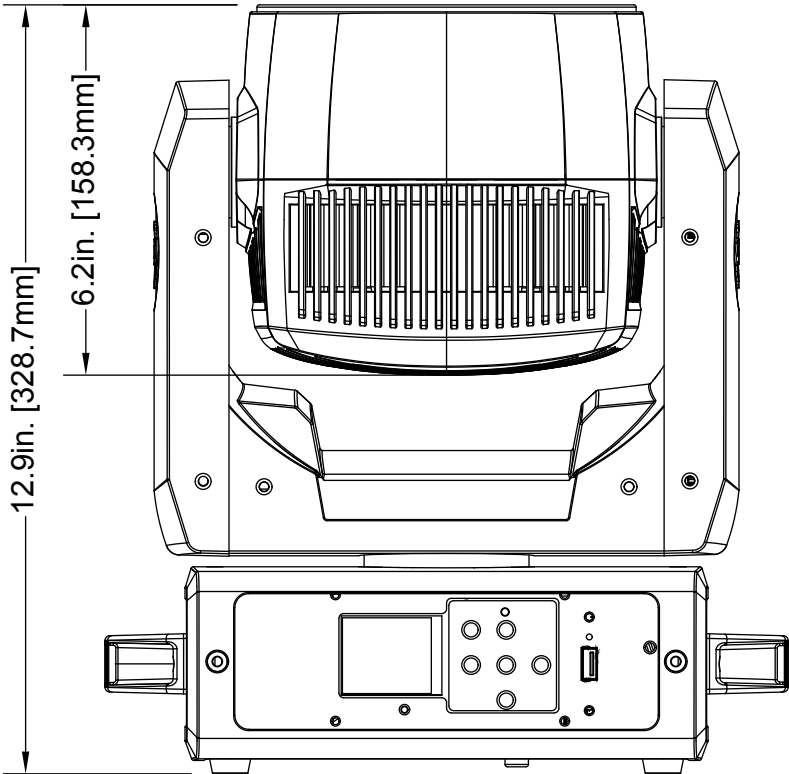
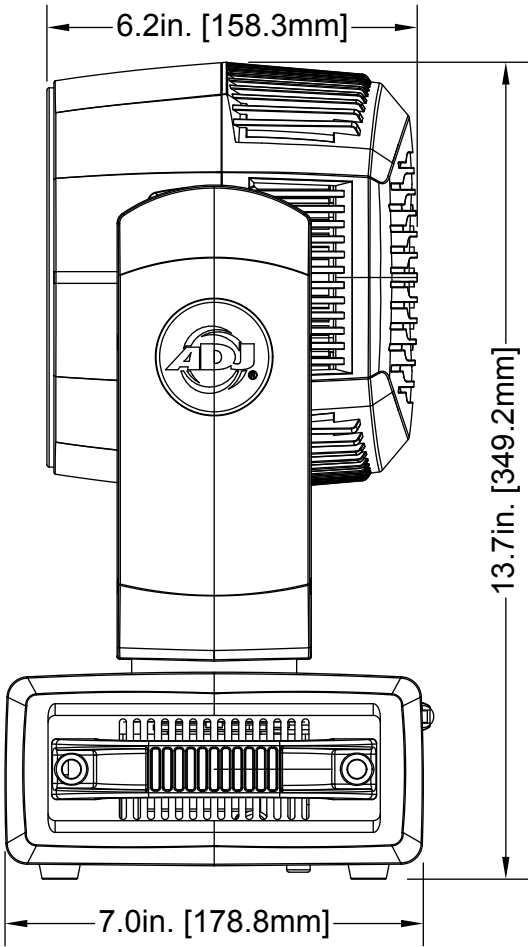
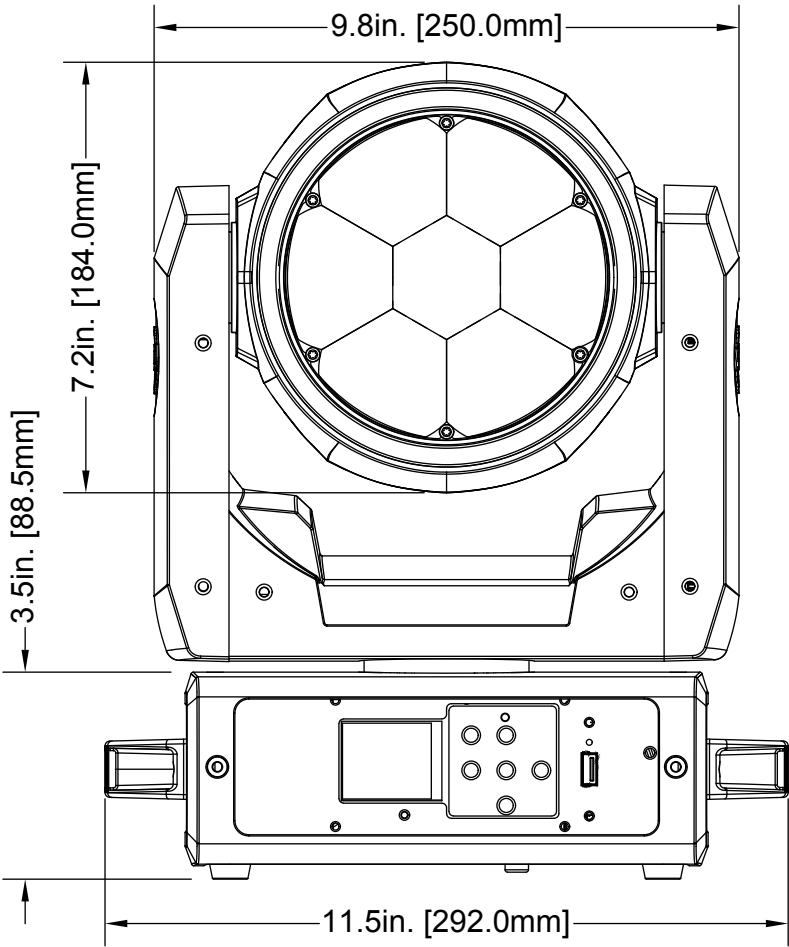
## Approvals / Rating:

- cETLus Approved
- CE Certified
- IP20



# DIMENSIONS

Drawings not to scale.



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