



FOCUS WASH 400



User Manual

US SKU#: FOC615
EU SKU#: 1237000240
ITF-14#: 818651029130

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DOCUMENT VERSION



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

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

| Date | Document Version | Software Version | DMX Channels | Notes |
|------------|------------------|------------------|-----------------------------------|--|
| 05/05/2021 | 1.0 | 1.1.1 | 16 / 21 / 23 ch | Initial Release |
| 06/25/2021 | 2.0 | 1.1.2 | 17 / 22 / 24 / CMY 18 / CMY 24 ch | Update DMX Traits, System Menu, added Color Swatch Table, add Snoot and Linear Lens Installation |
| 08/09/2021 | 3.0 | N/C | No Change | Updated Dimensional Drawings |
| 08/25/2021 | 4.0 | N/C | No Change | Corrected DMX Traits |
| 08/31/2021 | 5.0 | N/C | No Change | Updated Color Macros Chart and Specifications |
| 01/27/2022 | 6.0 | 1.1.4 | No Change | Updated System Menu, DMX Traits |

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!

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GENERAL INFORMATION

Introduction: Congratulations on your purchase of the ADJ Focus Wash 400! This device is a 400W, RGBACL (Red, Green, Blue, Amber, Cyan, Lime), LED moving light wash, and has been designed to perform reliably for years when the guidelines in this booklet are followed. Please read and understand the instructions in this manual carefully and thoroughly before attempting to operate this device. These instructions contain important information regarding safety during use and maintenance.

Please keep this manual with the device for future reference.

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

Parts: To purchase parts online visit:

<http://parts.adj.com> (US)

<http://www.adjparts.eu> (EU)

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WARNING! To prevent or reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.

CAUTION! There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, doing so will void your manufacturer's warranty. In the unlikely event your unit may require service, please contact ADJ Products, LLC.

Do not discard the shipping carton in the trash. Please recycle when ever possible.

KEY FEATURES

- 400W RGBACL LED
- 10 to 46-degree motorized zoom
- Flicker free operation for TV and film
- 16-bit pan/tilt movement
- RGBACL color mixing
- Variable dimming modes/curves and strobe effects
- DMX and RDM protocol support
- DMX and power in/out connections
- LCD menu display with 6 button control panel
- Multiple unit power linking
- Multi-voltage universal auto switching power supply (AC100-240V)

INCLUDED ITEMS:

- Twist-lock power cable (x1)
- Omega brackets (x2)
- Snoot (x1)
- Linear Lens (x1)
- Screws (x4)

WARRANTY RETURNS

All returned service items, whether under warranty or not, must be freight pre-paid and accompanied by 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 included in the shipping carton. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. You may obtain an R.A. number by contacting our customer support team. All packages returned to the service department not displaying an R.A. number on the outside of the package will be returned to the shipper.

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 the product back—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 prepaid. 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 and packaging material. No accessories should be shipped with the product. If any accessories are shipped with the product, ADJ Products, LLC shall incur no liability whatsoever for loss of or damage to any such accessories, nor for the safe return thereof.
- C. This warranty is void if the product serial number and/or labels are 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 serviced by anyone other than the ADJ Products, LLC factory unless prior written authorization was issued to purchaser by ADJ Products, LLC; if the product is damaged because it was not properly maintained as set forth in the product instructions, guidelines and/or user manual.
- D. This is not a service contract, and this warranty does not include maintenance, cleaning, or periodic checkup. 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 warranty 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 all warranties, whether expressed or implied, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. 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 Product, LLC be liable for any loss and/or damage, direct and/or consequential arising out of the use of, and/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.

MANUFACTURER'S LIMITED WARRANTY PERIODS:

- Non-LED Lighting Products = 1-Year (365 Days) (Including Special Effect Lighting, Intelligent Lighting, UV lighting, Strobes, Fog Machines, Bubble Machines, Mirror Balls, Par Cans, Trussing, Lighting Stands, Power/Data Distribution, etc. excluding LED and lamps)
- Laser Products = 1-Year (365 Days) (excluding laser diodes which have a 6-Month Limited Warranty)
- LED Products = 2-Year (730 Days) (excluding batteries which have a 180 Day Limited Warranty)
- NOTE: 2-Year (730 Days) Limited Warranty ONLY applies to product purchased within the United States. StarTec Series = 1-Year (365 Days) (excluding batteries which have a 180 Day Limited Warranty)
- ADJ DMX Controllers = 2 Year (730 Days)
- American Audio Products = 1 Year (365 Days)

SAFETY GUIDELINES

For Your Own Personal Safety, Please Read and Understand This Manual Completely Before You Attempt To Install Or Operate This Unit!

- Be sure to save the packing carton in the unlikely event the device may have to be returned for service
- Do not spill water or other liquids into or on to the device
- Be sure that the local power outlet matches the required voltage for the device
- Do not open up the device for any reason. There are no user serviceable parts inside
- Disconnect the device's main power when left unused for long periods of time
- Never connect this device to a dimmer pack
- Do not attempt to operate this device if it has been damaged in any way
- Never operate this device with the cover removed
- To reduce the risk of electrical shock or fire, do not expose this device to rain or moisture
- Do not attempt to operate this device if the power cord has been frayed or broken.
- Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of an internal short
- Disconnect from main power before making any type of connection
- Never block the ventilation holes. Always be sure to mount this device in an area that will allow proper ventilation. Allow about 6" (15cm) between this device and a wall
- This unit is intended for indoor use only. Use of this product outdoors voids all warranties
- Always mount this unit in a safe and stable matter
- Please route your power cord out of the way of foot traffic. Power cords should be routed so they are not likely to be walked on, or pinched by items placed upon or against them

Maximum ambient operating temperature for this fixture is 113 degrees F (45 degrees C). Do not operate this device when ambient temperature exceeds this value!

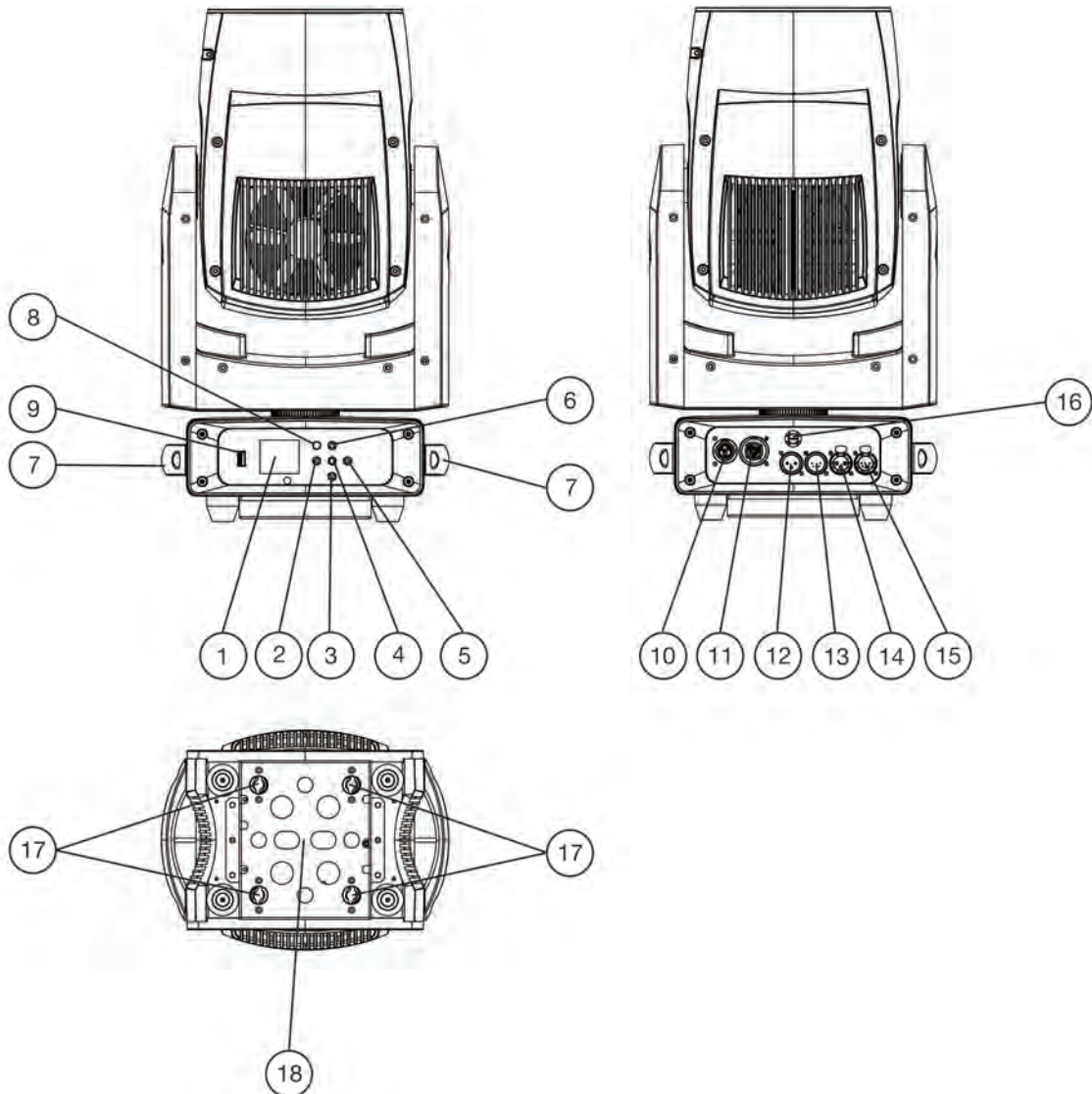
Keep flammable materials away from this fixture!

FIXTURE IS DESIGNED FOR INDOOR USE ONLY! DO NOT EXPOSE TO RAIN OR MOISTURE!

The device should be serviced by qualified service personnel when:

- A. The power-supply cord or the plug has been damaged.
- B. Objects have fallen on, or liquid has been spilled into, the device.
- C. The device has been exposed to rain or water.
- D. The appliance does not appear to operate normally or exhibits a marked change in performance.

OVERVIEW



1. Display Screen
2. Left Button
3. Down Button
4. Enter Button
5. Right Button
6. Up Button
7. Carry Handle (x2)
8. Mode Button
9. Service Port

10. Power In
11. Power Out
12. DMX In, 3-pin
13. DMX In, 5-pin
14. DMX Out, 3-pin
15. DMX Out, 5-pin
16. Fuse
17. Mounting Clamp Attachment (x4)
18. Safety Cable Attachment

DMX SET UP

DMX-512: DMX is short for Digital Multiplex. This is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions from the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA “IN” and DATA “OUT” XLR terminals located on all DMX fixtures (most controllers only have a DATA “OUT” terminal).

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

Data Cable (DMX Cable) Requirements (For DMX Operation): The Focus Wash 400 can be controlled via DMX-512 protocol. The DMX address is set on the front panel of the fixture. Your unit and your DMX controller require a standard 3-pin XLR connector for data input and data output. We recommend Accu-Cable DMX cables. If you are making your own cables, be sure to use standard 110-120 Ohm shielded cable (This cable may be purchased at almost all pro lighting stores). Your cables should be made with a male XLR connector at one end and a female XLR connector on the other. Also remember that DMX cable must be daisy chained and cannot be split.

Notice: Be sure to follow figures 1 and 2 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 may result in erratic behavior.

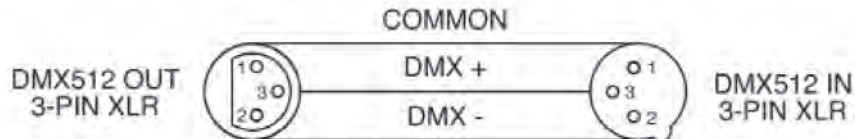


Figure 1

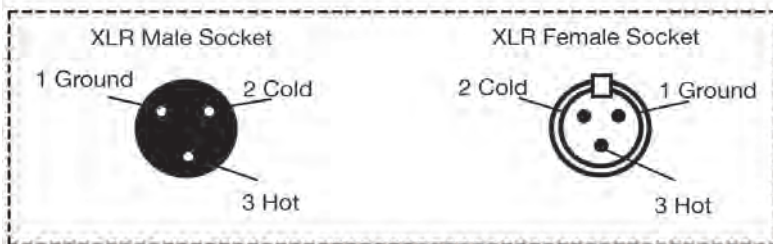
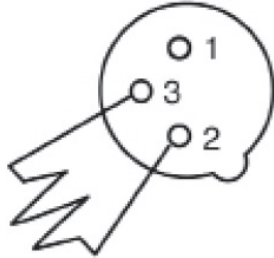


Figure 2

| XLR Pin Configuration |
|------------------------------------|
| Pin 1 = Ground |
| Pin 2 = Data Compliment (negative) |
| Pin 3 = Data True (positive) |

DMX SET UP

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.



Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal, (Resistance 120 Ohm 1/4 W) between PIN 2 (DMX-) and PIN 3 (DMX +) of the last fixture.

5-Pin XLR DMX Connectors. Some manufacturers use 5-pin DMX-512 data cables for DATA transmission in place of 3-pin. 5-pin DMX fixtures may be implemented in a 3-pin DMX line. When inserting standard 5-pin data cables into a 3-pin line, a cable adaptor must be used. These adaptors are readily available at most electronics stores. The chart below details a proper cable conversion.

| 3-Pin XLR to 5-Pin XLR Conversion | | |
|-----------------------------------|------------------------|---------------------|
| Conductor | 3-Pin XLR Female (Out) | 5-Pin XLR Male (In) |
| 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 |

INSTALLATION

IP RATING

This device is **IP30** rated. It is protected against intrusion of solids larger than 2.5mm in size, such as tools and thick-gauge wires. ***The device is NOT protected against liquid intrusion of any kind.***

FLAMMABLE MATERIAL WARNING!

Keep device a minimum of 5.0 feet (1.5m) away from flammable material and/or pyrotechnics.

ELECTRICAL CONNECTIONS

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

MULTI-DEVICE DAISY CHAINING

- When connected to 240V power, up to 3 devices may be daisy chained together.
- ***When connected to 110V power, daisy chaining is NOT permitted. In this situation, only operate the fixture as a single standalone device!***

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

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

Before installing or mounting any device, a professional equipment installer **MUST** be consulted to determine whether the mounting structure or surface is properly certified to safely support the combined weight of the fixture, clamps, cables, and accessories.

Overhead fixture installations 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.

Maximum ambient operating temperature is **113°F (45°C)**. Do not operate this device when ambient temperature exceeds this value.

This fixture should be installed in areas outside walking paths, seating areas, and areas where unauthorized personnel might be able to reach the device 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.

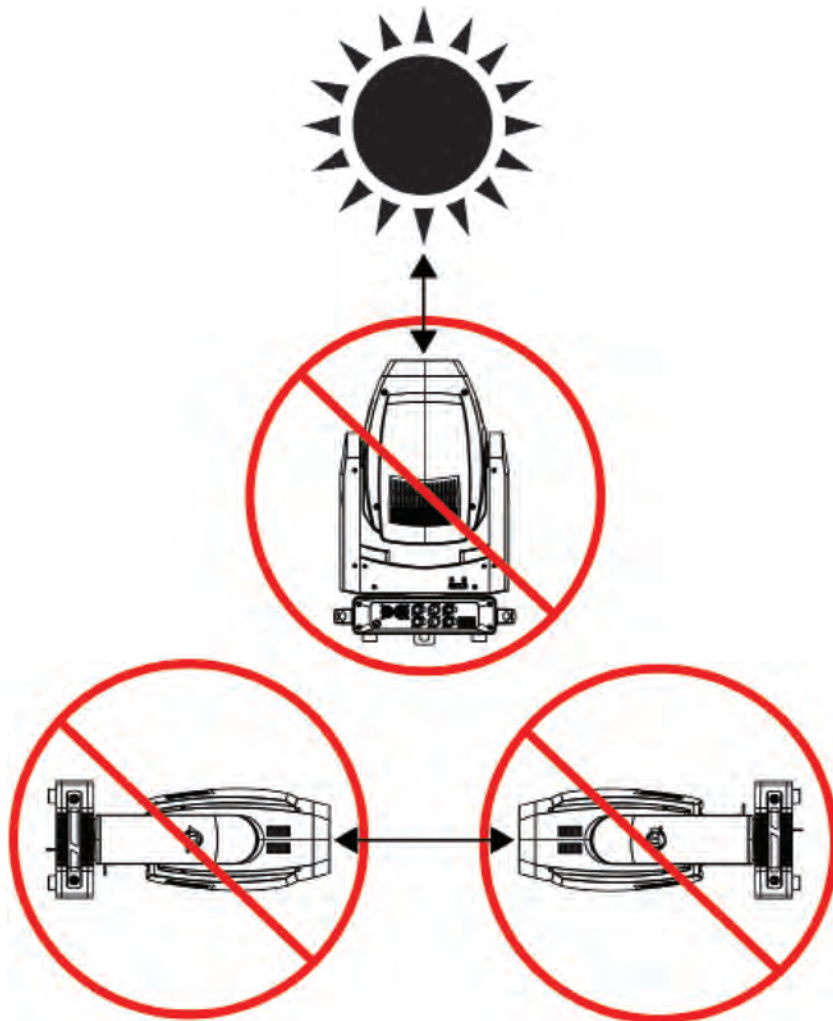
INSTALLATION

POTENTIAL INTERNAL FIXTURE DAMAGE FROM EXTERNAL SOURCES OF LIGHT BEAMS

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

This issue is not unique 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 reduce the risk of any potential damage if followed. Contact ADJ Service for more details.

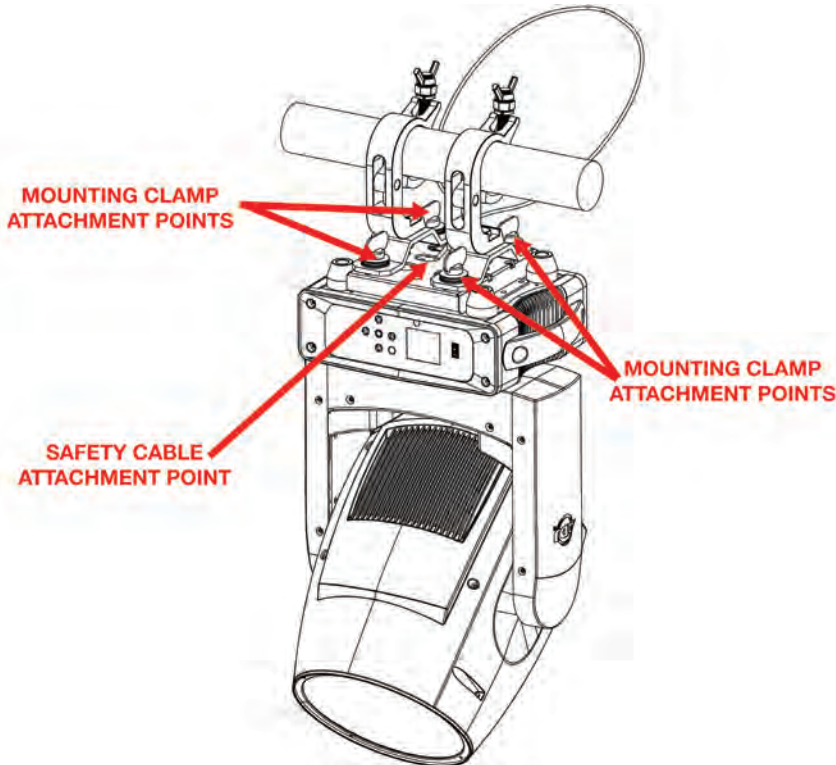
DO NOT EXPOSE THE FIXTURE AND/OR FRONT LENS OPENING TO LIGHT BEAMS FROM DIRECT SUNLIGHT, OTHER LIGHTING MOVING HEAD FIXTURES, AND LASERS DURING UNPACKING, INSTALLATION, USE, AND EXTENDED IDLE TIMES OUTDOORS. DO NOT FOCUS A LIGHT BEAM FROM ONE LIGHTING FIXTURE DIRECTLY TOWARDS ANOTHER.



INSTALLATION

CLAMP INSTALLATION

This fixture features multiple mounting clamp attachment points, as well as a safety cable attachment point, located on the bottom face of the fixture (see the illustration below). When mounting the fixture to a truss or any other suspended or overhead installation, be sure to secure appropriately rated clamps (not included) to the clamp attachment points and attach a separate **SAFETY CABLE** of the appropriate safety rating to the safety cable rigging point.



SAFETY CABLE

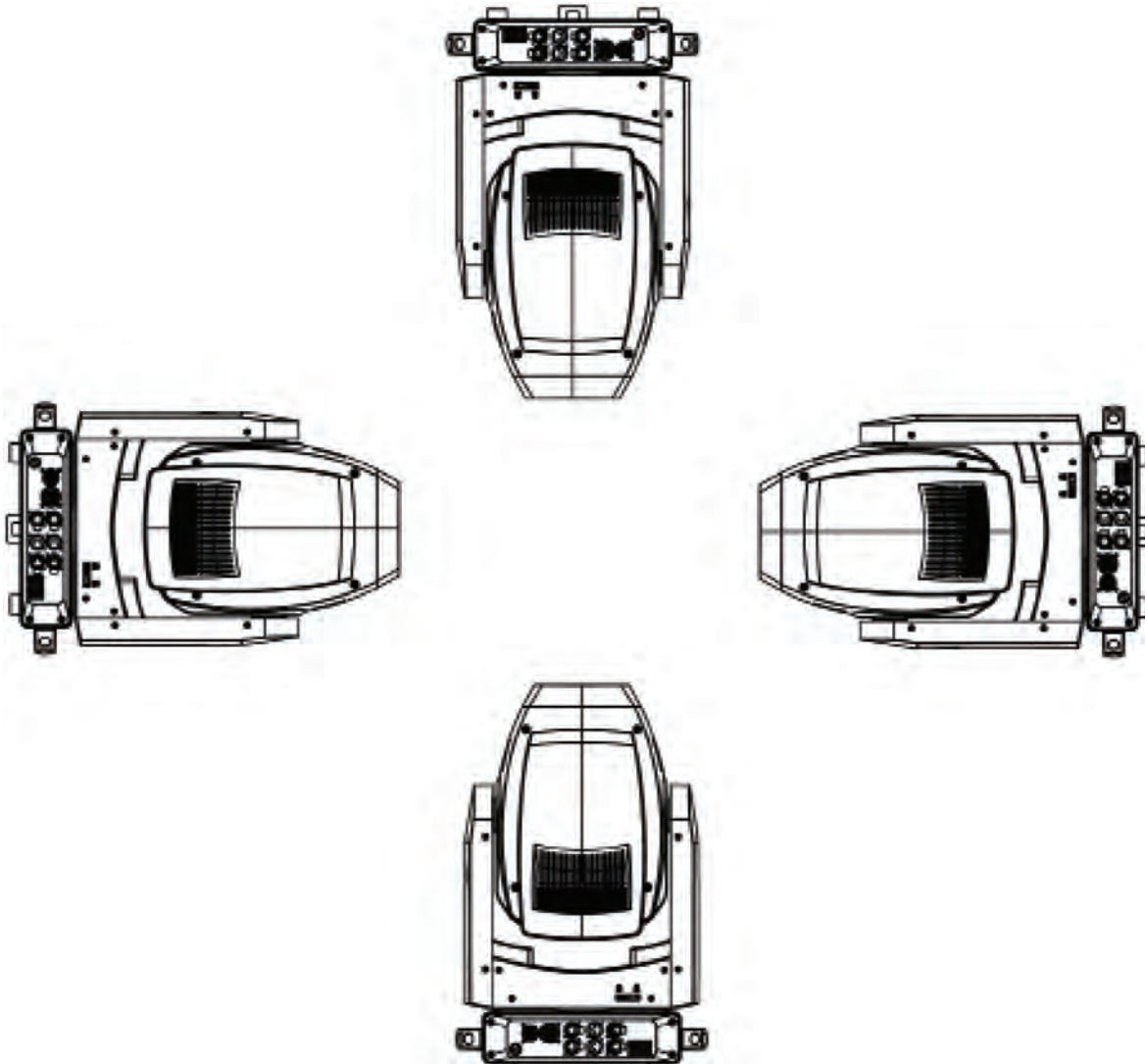
ALWAYS ATTACH A SAFETY CABLE WHENEVER INSTALLING THIS FIXTURE IN A SUSPENDED ENVIRONMENT TO ENSURE THAT THE FIXTURE WILL NOT FALL IF THE CLAMP FAILS.

RIGGING

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

INSTALLATION

NOTICE: The max suitable environmental temperature for this lighting fixture is **45° C**. Do not place this lighting fixture in an environment where the temperatures exceed this rating. This will allow the fixture to run at its best and help prolong the fixture life.



The Focus Wash 400 is fully operational in three different mounting positions: hanging upside-down from a ceiling or trussing, sideways on trussing, or set on a flat level surface. Be sure this fixture is kept at least 12m (40ft) away from any flammable materials (decoration etc.). Always use and install a safety cable (not included) as a safety measure to prevent accidental damage and/or injury in the event the clamp fails. Never use the carrying handles for secondary attachment.

INSTALLATION

SNOOT INSTALLATION: This device can be fitted with a removable snoot, which can be installed by following the directions below.

1. Find the four (4) mounting holes located around the frame of the lens.



2. Align the mounting tabs on the snoot with the mounting holes on the frame of the lens.



3. Use a screwdriver to insert and tighten screws into each of the mounting tabs.



4. Installation is now complete!



INSTALLATION

LINEAR LENS INSTALLATION: This device can be fitted with a linear lens, which can be installed by following the directions below.

1. Find the four (4) mounting holes located around the frame of the fixture lens.
2. Align the mounting tabs on the linear lens with the mounting holes on the fixture lens.



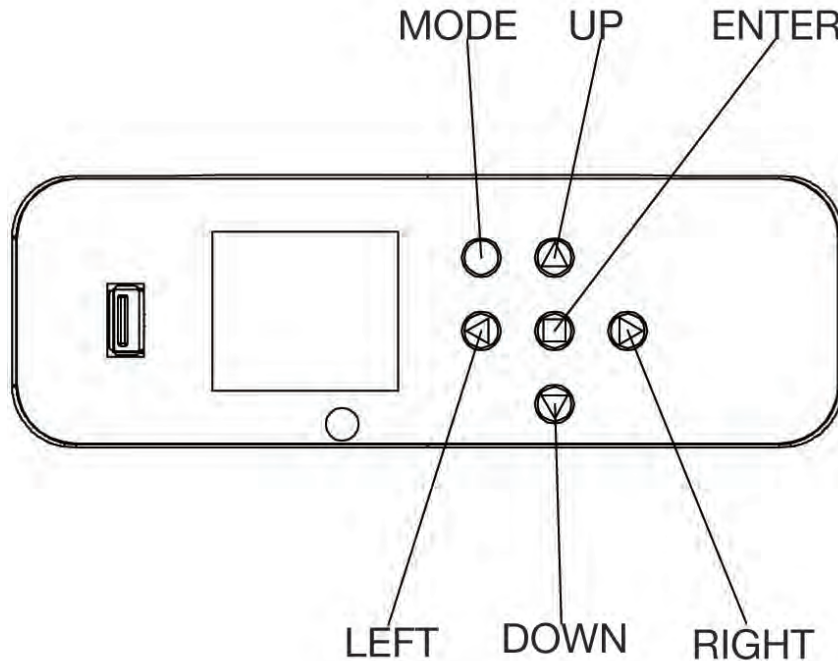
3. Use a screwdriver to insert and tighten screws into each of the mounting tabs.
4. Installation is now complete!



CONTROL PANEL

This fixture includes an easy to navigate control panel display, from which all necessary settings and adjustments can be made. During normal operating, pressing the **MODE** button once will access the fixture's main menu. Once in the main menu, the **UP** and **DOWN** buttons can be used to navigate through the different functions. Press the **ENTER** button to select the option displayed on the screen, and use the **LEFT** and **RIGHT** buttons to adjust the settings for the selected option. Press the **ENTER** button once more to confirm the setting. Pressing the **MODE** button at any time to return to the main menu without making any adjustments.

System Menu Access: To access the system menu when the fixture is not running on the internal battery, press and hold the **MODE** button to illuminate the display screen until the **DMX** address is displayed. Then navigate to the desired system menu.



SYSTEM MENU

| | | | | |
|---------------------|------------------|--------------------|--|--|
| DMX SETTINGS | DMX Address | 001 ~ 512 | | |
| | DMX Channel Mode | Basic | | |
| | | Standard | | |
| | | Extended | | |
| | | CMY St. | | |
| | | CMY Ext. | | |
| | No DMX Status | Hold Last | Fixture adheres to most recent setting | |
| | | Hold Last 2 | Fixture adheres to most recent setting and Zoom will return to 0 | |
| | | Blackout | Fixture goes into standby mode | |
| | | Manual | Fixture reverts to manual mode settings | |
| PERSONALITY | Primary | On / Off | | |
| | Secondary | On / Off | | |
| | Status Settings | Pan Degree | 630 / 540 | |
| | | Pan Invert | On / Off | |
| | | Tilt Invert | On / Off | |
| | | P/T Feedback | On / Off | |
| | | P/T Speed | Speed 1 / Speed 2 | |
| | | Hibernation | Off, 1min ~ 99 min Default 15 min | |
| | Fan Settings | Head | Auto | |
| | | | High | |
| | | | Low | |
| | Zoom Speed | Standard | | |
| | | Fast | | |
| | Dim Modes | Standard | | |
| | | Stage | | |
| | | TV | | |
| | | Architectural | | |
| Theatre | | | | |
| Stage 2 | | | | |
| Dim Speed | | 0.1 s ~ 10 s | | |

CONTINUED ON NEXT PAGE

SYSTEM MENU

| | | | | |
|---|------------------|--------------------|--|----------------------------|
| PERSONALITY (cont'd from prev page) | LED Refresh Rate | 900 ~ 1500 Hz | | Default = 15 KHz |
| | | 2500 Hz | | |
| | | 4000 Hz | | |
| | | 5000 Hz | | |
| | | 6000 Hz | | |
| | | 10 kHz | | |
| | | 15 kHz | | |
| | | 20 kHz | | |
| | | 25 kHz | | |
| | Dim Curve | Linear | | |
| | | Square | | |
| | | Inv Squa | | |
| | | S Curve | | |
| | Reset Motors | Reset All Motors | Yes / No | |
| | | Pan/Tilt Reset | Yes / No | |
| | | Effect Reset | Yes / No | |
| | Display | Intensity | 1 ~ 10 | |
| | | Display Invert | Yes / No | |
| | | Screen Saver Delay | Off ~ 10 min | Default = 5 min |
| | | Key Lock | Off / On / On1 | |
| | Service | Passcode = 050 | Effect Adjust (Calibration) Passcode = 050 | Pan -128 ~ 127 |
| | | | | Tilt -128 ~ 127 |
| | | | | ... |
| | | | USB Port Power | Off / On |
| | | | Update Software | Off / On |
| | | | Factory Restore | Off / On Passcode = 011 |

SYSTEM MENU

| | | | | |
|--------------------------|-------------------|---|----------------|--|
| MANUAL | Pan | 000 ~ 255 | | |
| | Pan Fine | 000 ~ 255 | | |
| | Tilt | 000 ~ 255 | | |
| | Tilt Fine | 000 ~ 255 | | |
| | ... | 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 7 | Speed | 000 - 255 | |
| | | Fade | 000 - 255 | |
| INFORMATION | Fixture Life Time | Power On Time | | |
| | | P-On Time-R (Power On Resettable Time) | | |
| | | P-On Time-Reset (Power On Time Reset) | Passcode = 050 | |
| | Total LED Time | LED On Time | | |
| | | LED On Time-R | | |
| | | LED Hours Reset | Passcode = 050 | |

CONTINUED ON NEXT PAGE

SYSTEM MENU

| | | | | |
|--|------------------|-----------------|-----------------|----------------------------|
| INFORMATION (cont'd from prev page) | Fixture Temps | LEDs | Current | |
| | | | Max Resettable | |
| | | Base | Current | |
| | | | Max Resettable | |
| | | Reset LED Temp | Yes / No | Passcode = 050 |
| | Reset Base Temp | Yes / No | Passcode = 050 | |
| | Fan Info (RPM) | LED Fan | | |
| | | Base Fan | | |
| | DMX Values | Pan | | |
| | | Pan Fine | | |
| | | ... | | |
| | Error Logs | Fixture Errors | | scrolls through error list |
| | | Reset Error Log | Yes / No | Passcode = 050 |
| | Software Version | | | |

DMX ADDRESSING

All fixtures should be given a DMX starting address when operating with a DMX controller, in order to ensure that 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. This starting DMX address is assigned 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 this case, please note that 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.

As an example, when operating this fixture model in Basic (17 channel) mode, you should set the starting DMX address of the first unit to 1, the second unit to 18 (1 + 17), the third unit to 35 (1 + 17 + 17), and so on. (See the chart below for more details.)

| Channel Mode | Unit 1 Address | Unit 2 Address | Unit 3 Address | Unit 4 Address |
|-----------------|----------------|----------------|----------------|----------------|
| Basic | 1 | 18 | 35 | 52 |
| Standard | 1 | 23 | 45 | 67 |
| Extended | 1 | 25 | 49 | 73 |
| CMY St. | 1 | 19 | 37 | 55 |
| CMY Ext. | 1 | 25 | 49 | 73 |

DMX TRAITS

| CHANNEL | | | | | VALUES | FUNCTION |
|---------|----------|-----|---------|---------|-----------|--|
| Basic | Standard | Ext | CMY St. | CMY Ext | | |
| 1 | 1 | 1 | 1 | 1 | 000 - 255 | Pan Movement , 540/630 Degrees |
| | 2 | 2 | 2 | 2 | 000 - 255 | Pan Fine Movement |
| 2 | 3 | 3 | 3 | 3 | 000 - 255 | Tilt Movement , 270 Degrees |
| | 4 | 4 | 4 | 4 | 000 - 255 | Tilt Fine Movement |
| 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 | Amber , 0% - 100% |
| 7 | 9 | 9 | | | 000 - 255 | Cyan , 0% - 100% |
| 8 | 10 | 10 | | | 000 - 255 | Lime , 0% - 100% |
| | | | 5 | 5 | 000 - 255 | Cyan , (0-100% Cyan) |
| | | | | 6 | 000 - 255 | Cyan Fine |
| | | | 6 | 7 | 000 - 255 | Magenta , 0% - 100% |
| | | | | 8 | 000 - 255 | Magenta Fine |
| | | | 7 | 9 | 000 - 255 | Yellow , 0% - 100% |
| | | | | 10 | 000 - 255 | Yellow Fine |
| 9 | 11 | 11 | 8 | 11 | 000 - 255 | Color Temperature Linear 2700K - 10000K |
| | | | | | | Color Temperature Presets |
| | | | | | 000 - 031 | No Function |
| | | | | | 032 - 076 | 2700K |
| | | | | | 077 - 121 | 3200K |
| | | | | | 122 - 166 | 4000K |
| | | | | | 167 - 211 | 5600K |
| | | | | | 212 - 255 | 6500K |
| | | | | | | Color Wheel |
| | | | | | 000 | Open |
| | | | | | 001 - 060 | Virtual Swatch Colors (see Virtual Swatch Colors section) |
| | | | | | 061 - 179 | Open |
| | | | | | 180 - 201 | Color Scroll Clockwise, fast to slow |
| | | | | | | |

CONTINUED ON NEXT PAGE

DMX TRAITS

| CHANNEL | | | | | VALUES | FUNCTION |
|-----------|------------------------|-----|---------|---------|-----------|--|
| Basic | Standard | Ext | CMY St. | CMY Ext | | |
| 11 | 13 | 13 | 10 | 13 | | Color Wheel (cont'd) |
| | | | | | 202 - 207 | Stop |
| | | | | | 208 - 229 | Color Scroll Counter-Clockwise, slow to fast |
| | | | | | 230 - 234 | Open |
| | | | | | 235 - 239 | Random Slots Fast |
| | | | | | 240 - 244 | Random Slots Medium |
| | | | | | 245 - 249 | Random Slots Slow |
| | | | | | 250 - 255 | Open |
| | 14 | 14 | 11 | 14 | | Color Temperature Red to Green |
| | | | | | 000 | No Function |
| | | | | | 001 - 255 | Shift CT, Red to Green |
| 12 | 15 | 15 | | 15 | 000 - 255 | Color Macros (see Color Macros Chart) |
| 13 | 16 | 16 | 12 | 16 | | Shutter |
| | | | | | 000 - 031 | Shutter Closed (LEDs Off) |
| | | | | | 032 - 063 | Shutter Open (LEDs On) |
| | | | | | 064 - 095 | Strobe effect, slow to fast |
| | | | | | 096 - 127 | Shutter Open (LEDs On) |
| | | | | | 128 - 159 | Pulse effect in sequences |
| | | | | | 160 - 191 | Shutter Open (LEDs On) |
| | | | | | 192 - 223 | Random strobe effect, slow to fast |
| 224 - 255 | Shutter Open (LEDs On) | | | | | |
| 14 | 17 | 17 | 13 | 17 | 000 - 255 | Dimmer Intensity , 0 to 100% |
| | 18 | 18 | | 18 | 000 - 255 | Dimmer Fine |
| 15 | 19 | 19 | 14 | 19 | 000 - 255 | Zoom , wide to narrow |
| | | 20 | | 20 | 000 - 255 | Zoom Fine |

CONTINUED ON NEXT PAGE

DMX TRAITS

| CHANNEL | | | | | VALUES | FUNCTION |
|---------|----------|-----|---------|---------|-----------|-----------------------------|
| Basic | Standard | Ext | CMY St. | CMY Ext | | |
| | | | | | | <i>Dim Modes</i> |
| | | | | | 000 - 020 | Standard |
| | | | | | 021 - 040 | Stage |
| | | | | | 041 - 060 | TV |
| | | | | | 061 - 080 | Architectural |
| | | | | | 081 - 100 | Theatre |
| | | | | | 101 - 120 | Stage 2 |
| | | | | | | <i>Dimming Speed</i> |
| | | | | | 121 | 0.1 s |
| | | | | | 122 | 0.2 s |
| | | | | | 123 | 0.3 s |
| | | | | | 124 | 0.4 s |
| | | | | | 125 | 0.5 s |
| | | | | | 126 | 0.6 s |
| | 20 | 21 | 15 | 21 | 127 | 0.7 s |
| | | | | | 128 | 0.8 s |
| | | | | | 129 | 0.9 s |
| | | | | | 130 | 1.0 s |
| | | | | | 131 | 1.5 s |
| | | | | | 132 | 2.0 s |
| | | | | | 133 | 3.0 s |
| | | | | | 134 | 4.0 s |
| | | | | | 135 | 5.0 s |
| | | | | | 136 | 6.0 s |
| | | | | | 137 | 7.0 s |
| | | | | | 138 | 8.0 s |
| | | | | | 139 | 9.0 s |
| | | | | | 140 | 10.0 s |
| | | | | | 141 - 255 | Default |

CONTINUED ON NEXT PAGE

DMX TRAITS

| CHANNEL | | | | | VALUES | FUNCTION |
|-------------------------------|----------|-----|---------|---------|-----------|---|
| Basic | Standard | Ext | CMY St. | CMY Ext | | |
| | | 22 | 16 | 22 | | <i>Dim Curves</i> |
| | | | | | 000 - 020 | Linear |
| | | | | | 021 - 040 | Square |
| | | | | | 041 - 060 | Inv. Squa |
| | | | | | 061 - 080 | S. Curve |
| | | | | | 081 - 255 | No Function |
| 16 | 21 | 23 | 17 | 23 | 000 - 255 | <i>Pan/Tilt Speed</i> , max to min |
| | | | | | | <i>Special Functions</i> |
| | | | | | 000 - 010 | Default Refresh Rate (15 KHz) |
| | | | | | 011 | 900 Hz |
| | | | | | 012 | 910 Hz |
| | | | | | 013 | 920 Hz |
| | | | | | 014 | 930 Hz |
| | | | | | 015 | 940 Hz |
| | | | | | 016 | 950 Hz |
| | | | | | 017 | 960 Hz |
| | | | | | 018 | 970 Hz |
| | | | | | 019 | 980 Hz |
| 17 | 22 | 24 | 18 | 24 | 020 | 990 Hz |
| | | | | | 021 | 1000 Hz |
| | | | | | 022 | 1010 Hz |
| | | | | | 023 | 1020 Hz |
| | | | | | 024 | 1030 Hz |
| | | | | | 025 | 1040 Hz |
| | | | | | 026 | 1050 Hz |
| | | | | | 027 | 1060 Hz |
| | | | | | 028 | 1070 Hz |
| | | | | | 029 | 1080 Hz |
| | | | | | 030 | 1090 Hz |
| | | | | | 031 | 1100 Hz |
| <i>CONTINUED ON NEXT PAGE</i> | | | | | | |

DMX TRAITS

| CHANNEL | | | | | VALUES | FUNCTION |
|---------|----------|-----|---------|---------|--------|--|
| Basic | Standard | Ext | CMY St. | CMY Ext | | |
| 17 | 22 | 24 | 18 | 24 | | <i>Special Functions</i> (cont'd) |
| | | | | | 032 | 1110 Hz |
| | | | | | 033 | 1120 Hz |
| | | | | | 034 | 1130 Hz |
| | | | | | 035 | 1140 Hz |
| | | | | | 036 | 1150 Hz |
| | | | | | 037 | 1160 Hz |
| | | | | | 038 | 1170 Hz |
| | | | | | 039 | 1180 Hz |
| | | | | | 040 | 1190 Hz |
| | | | | | 041 | 1210 Hz |
| | | | | | 042 | 1220 Hz |
| | | | | | 043 | 1230 Hz |
| | | | | | 044 | 1240 Hz |
| | | | | | 045 | 1250 Hz |
| | | | | | 046 | 1260 Hz |
| | | | | | 047 | 1270 Hz |
| | | | | | 048 | 1280 Hz |
| | | | | | 049 | 1290 Hz |
| | | | | | 050 | 1300 Hz |
| | | | | | 051 | 1310 Hz |
| | | | | | 052 | 1320 Hz |
| | | | | | 053 | 1330 Hz |
| | | | | | 054 | 1340 Hz |
| | | | | | 055 | 1350 Hz |
| | | | | | 056 | 1360 Hz |
| | | | | | 057 | 1370 Hz |
| | | | | | 058 | 1380 Hz |
| 059 | 1390 Hz | | | | | |

CONTINUED ON NEXT PAGE

DMX TRAITS

| CHANNEL | | | | | VALUES | FUNCTION |
|-------------------------------|----------------|-----|---------|---------|-----------|--|
| Basic | Standard | Ext | CMY St. | CMY Ext | | |
| 17 | 22 | 24 | 18 | 24 | | Special Functions (cont'd) |
| | | | | | 060 | 1400 Hz |
| | | | | | 061 | 1410 Hz |
| | | | | | 062 | 1420 Hz |
| | | | | | 063 | 1430 Hz |
| | | | | | 064 | 1440 Hz |
| | | | | | 065 | 1450 Hz |
| | | | | | 066 | 1460 Hz |
| | | | | | 067 | 1470 Hz |
| | | | | | 068 | 1480 Hz |
| | | | | | 069 | 1490 Hz |
| | | | | | 070 | 1500 Hz |
| | | | | | 071 | 2500 Hz |
| | | | | | 072 | 4000 Hz |
| | | | | | 073 | 5000 Hz |
| | | | | | 074 | 6000 Hz |
| | | | | | 075 | 10 KHz |
| | | | | | 076 | 15 KHz |
| | | | | | 077 | 20 KHz |
| | | | | | 078 | 25 KHz |
| | | | | | 079 | Disable LED Refresh Rate |
| | | | | | 080 - 089 | Enable blackout while pan/tilt moving |
| | | | | | 090 - 099 | Disable blackout while pan/tilt moving |
| | | | | | 100 - 105 | Fan Mode Low |
| 106 - 111 | Fan Mode High | | | | | |
| 112 - 117 | Fan Mode Auto | | | | | |
| 118 - 139 | No function | | | | | |
| 140 - 149 | Reset all | | | | | |
| 150 - 159 | Reset pan/tilt | | | | | |
| 160 - 169 | Reset effect | | | | | |
| <i>CONTINUED ON NEXT PAGE</i> | | | | | | |

DMX TRAITS

| CHANNEL | | | | | VALUES | FUNCTION |
|---------|----------|-----|---------|---------|-----------|--|
| Basic | Standard | Ext | CMY St. | CMY Ext | | |
| 17 | 22 | 24 | 18 | 24 | | <i>Special Functions</i> (cont'd) |
| | | | | | 170 - 174 | Enable Zoom Speed Fast |
| | | | | | 175 - 179 | Disable Zoom Speed Fast |
| | | | | | 180 - 189 | Internal Program 1 (Scenes 1-8) |
| | | | | | 190 - 199 | Internal Program 2 (Scenes 9-16) |
| | | | | | 200 - 209 | Internal Program 3 (Scenes 17-24) |
| | | | | | 210 - 219 | Internal Program 4 (Scenes 25-32) |
| | | | | | 220 - 229 | Internal Program 5 (Scenes 33-40) |
| | | | | | 230 - 239 | Internal Program 6 (Scenes 41-48) |
| | | | | | 240 - 249 | Internal Program 7 (Scenes 49-56) |
| | | | | | 250 - 255 | No Function |

COLOR MACROS CHART

| MACRO NUMBER | DMX VALUE | RED | GREEN | BLUE | AMBER | CYAN | LIME |
|--------------|-----------|-----|-------|------|-------|------|------|
| 1 | 001 - 004 | 80 | 255 | 234 | 80 | 0 | 0 |
| 2 | 005 - 008 | 80 | 255 | 164 | 80 | 0 | 0 |
| 3 | 009 - 012 | 77 | 255 | 112 | 77 | 0 | 0 |
| 4 | 013 - 016 | 117 | 255 | 83 | 83 | 0 | 0 |
| 5 | 017 - 020 | 160 | 255 | 77 | 77 | 0 | 0 |
| 6 | 021 - 024 | 223 | 255 | 83 | 83 | 0 | 0 |
| 7 | 025 - 028 | 255 | 243 | 77 | 77 | 0 | 0 |
| 8 | 029 - 032 | 255 | 200 | 74 | 74 | 0 | 0 |
| 9 | 033 - 036 | 255 | 166 | 77 | 77 | 0 | 0 |
| 10 | 037 - 040 | 255 | 125 | 74 | 74 | 0 | 0 |
| 11 | 041 - 044 | 255 | 97 | 77 | 74 | 0 | 0 |
| 12 | 045 - 048 | 255 | 71 | 77 | 71 | 0 | 0 |
| 13 | 049 - 052 | 255 | 83 | 134 | 83 | 0 | 0 |
| 14 | 053 - 056 | 255 | 93 | 182 | 93 | 0 | 0 |
| 15 | 057 - 060 | 255 | 96 | 236 | 96 | 0 | 0 |
| 16 | 061 - 064 | 238 | 93 | 255 | 93 | 0 | 0 |
| 17 | 065 - 068 | 196 | 87 | 255 | 87 | 0 | 0 |
| 18 | 069 - 072 | 150 | 90 | 255 | 90 | 0 | 0 |
| 19 | 073 - 076 | 100 | 77 | 255 | 77 | 0 | 0 |
| 20 | 077 - 080 | 77 | 100 | 255 | 77 | 0 | 0 |
| 21 | 081 - 084 | 67 | 148 | 255 | 67 | 0 | 0 |
| 22 | 085 - 088 | 77 | 195 | 255 | 77 | 0 | 0 |
| 23 | 089 - 092 | 77 | 234 | 255 | 77 | 0 | 0 |
| 24 | 093 - 096 | 158 | 255 | 144 | 144 | 0 | 0 |
| 25 | 097 - 100 | 255 | 251 | 153 | 153 | 0 | 0 |
| 26 | 101 - 104 | 255 | 175 | 147 | 147 | 0 | 0 |
| 27 | 105 - 108 | 255 | 138 | 186 | 138 | 0 | 0 |
| 28 | 109 - 112 | 255 | 147 | 251 | 147 | 0 | 0 |
| 29 | 113 - 116 | 151 | 138 | 255 | 138 | 0 | 0 |
| 30 | 117 - 120 | 99 | 0 | 255 | 100 | 0 | 0 |
| 31 | 121 - 124 | 138 | 169 | 255 | 138 | 0 | 0 |
| 32 | 125 - 128 | 255 | 255 | 255 | 255 | 0 | 0 |

COLOR MACROS CHART

| MACRO NUMBER | DMX VALUE | RED | GREEN | BLUE | AMBER | CYAN | LIME |
|--------------|-----------|-----|-------|------|-------|------|------|
| 33 | 129 - 132 | 254 | 206 | 143 | 0 | 0 | 0 |
| 34 | 133 - 136 | 254 | 177 | 153 | 0 | 0 | 0 |
| 35 | 137 - 140 | 254 | 192 | 138 | 0 | 0 | 0 |
| 36 | 141 - 144 | 254 | 165 | 98 | 0 | 0 | 0 |
| 37 | 145 - 148 | 254 | 121 | 0 | 0 | 0 | 0 |
| 38 | 149 - 152 | 176 | 17 | 0 | 0 | 0 | 0 |
| 39 | 153 - 156 | 96 | 0 | 11 | 0 | 0 | 0 |
| 40 | 157 - 160 | 234 | 139 | 171 | 0 | 0 | 0 |
| 41 | 161 - 164 | 224 | 5 | 97 | 0 | 0 | 0 |
| 42 | 165 - 168 | 175 | 77 | 173 | 0 | 0 | 0 |
| 43 | 169 - 172 | 119 | 130 | 199 | 0 | 0 | 0 |
| 44 | 173 - 176 | 147 | 164 | 212 | 0 | 0 | 0 |
| 45 | 177 - 180 | 88 | 2 | 163 | 0 | 0 | 0 |
| 46 | 181 - 184 | 0 | 38 | 86 | 0 | 0 | 0 |
| 47 | 185 - 188 | 0 | 142 | 208 | 0 | 0 | 0 |
| 48 | 189 - 192 | 52 | 148 | 209 | 0 | 0 | 0 |
| 49 | 193 - 196 | 1 | 134 | 201 | 0 | 0 | 0 |
| 50 | 197 - 200 | 0 | 145 | 212 | 0 | 0 | 0 |
| 51 | 201 - 204 | 0 | 121 | 192 | 0 | 0 | 0 |
| 52 | 205 - 208 | 0 | 129 | 184 | 0 | 0 | 0 |
| 53 | 209 - 212 | 0 | 83 | 115 | 0 | 0 | 0 |
| 54 | 213 - 216 | 0 | 97 | 166 | 0 | 0 | 0 |
| 55 | 217 - 220 | 1 | 100 | 167 | 0 | 0 | 0 |
| 56 | 221 - 224 | 0 | 40 | 86 | 0 | 0 | 0 |
| 57 | 225 - 228 | 209 | 219 | 182 | 0 | 0 | 0 |
| 58 | 229 - 232 | 42 | 165 | 85 | 0 | 0 | 0 |
| 59 | 233 - 236 | 0 | 46 | 35 | 0 | 0 | 0 |
| 60 | 237 - 240 | 8 | 107 | 222 | 0 | 0 | 0 |
| 61 | 241 - 244 | 254 | 0 | 0 | 0 | 0 | 0 |
| 62 | 245 - 248 | 0 | 254 | 0 | 0 | 0 | 0 |
| 63 | 249 - 252 | 0 | 0 | 254 | 0 | 0 | 0 |
| 64 | 253 - 255 | 0 | 0 | 0 | 254 | 0 | 0 |

VIRTUAL SWATCH COLORS

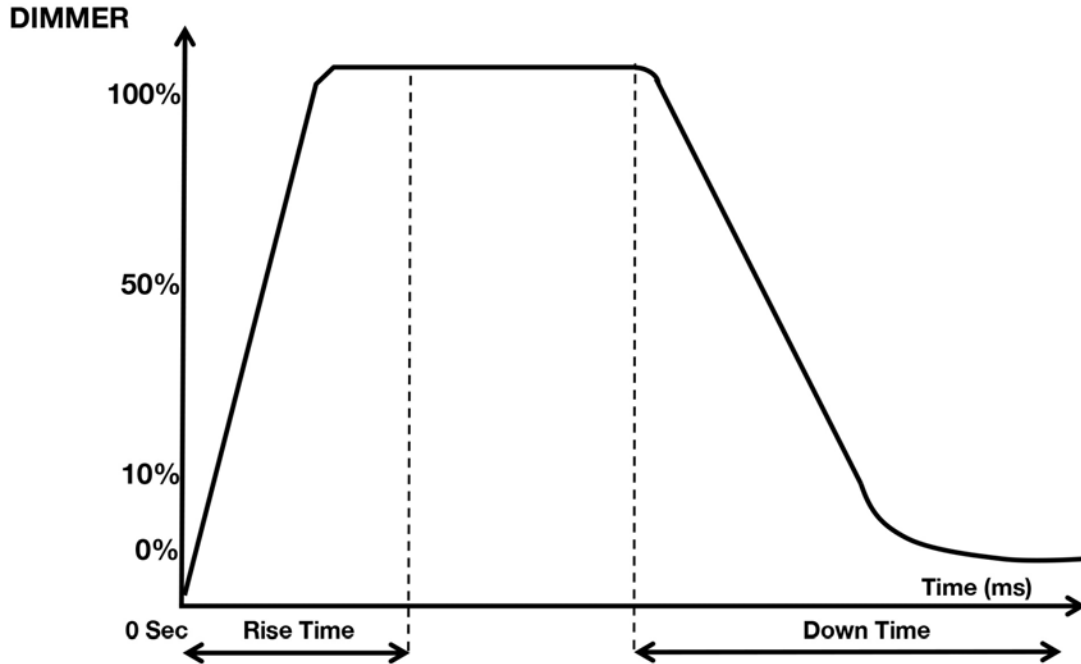
| Value | Filter Number | Name |
|-------|---------------|-------------------|
| 1 | 7 | pale yellow |
| 2 | 103 | straw |
| 3 | 151 | gold tint |
| 4 | 100 | spring yellow |
| 5 | 10 | medium yellow |
| 6 | 101 | yellow |
| 7 | 104 | deep amber |
| 8 | 15 | deep straw |
| 9 | 179 | loving amber |
| 10 | 21 | gold amber |
| 11 | 105 | orange |
| 12 | 158 | deep orange |
| 13 | 22 | dark amber |
| 14 | 778 | millenium gold |
| 15 | 135 | deep golden amber |
| 16 | 24 | scarlet |
| 17 | 106 | primary red |
| 18 | 26 | bright red |
| 19 | 27 | medium red |
| 20 | 19 | fire |
| 21 | 157 | pink |
| 22 | 36 | medium pink |
| 23 | 111 | dark pink |
| 24 | 128 | bright pink |
| 25 | 148 | bright rose |
| 26 | 332 | special rose pink |
| 27 | 793 | vanity fair |
| 28 | 113 | magenta |
| 29 | 46 | dark magenta |
| 30 | 48 | rose purple |

| Value | Filter Number | Name |
|-------|---------------|-------------------|
| 31 | 126 | mauve |
| 32 | 49 | medium purple |
| 33 | 58 | lavender |
| 34 | 199 | palace blue |
| 35 | 119 | dark blue |
| 36 | 132 | medium blue |
| 37 | 120 | deep blue |
| 38 | 165 | daylight blue |
| 39 | 161 | slate blue |
| 40 | 118 | light blue |
| 41 | 68 | sky blue |
| 42 | 143 | pale navy blue |
| 43 | 131 | marine blue |
| 44 | 115 | peacock blue |
| 45 | 172 | lagoon blue |
| 46 | 116 | medium blue green |
| 47 | 90 | dark yellow green |
| 48 | 139 | primary green |
| 49 | 122 | fern green |
| 50 | 89 | moss green |
| 51 | 124 | dark green |
| 52 | 88 | lime green |
| 53 | 138 | pale green |
| 54 | 203 | Quarter CT Blue |
| 55 | 202 | Half CT Blue |
| 56 | 201 | FULL CT Blue |
| 57 | 200 | double CT Blue |
| 58 | 206 | Quarter CT Orange |
| 59 | 205 | Half CT Orange |
| 60 | 204 | FULL CT Orange |

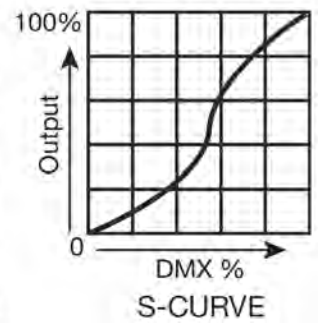
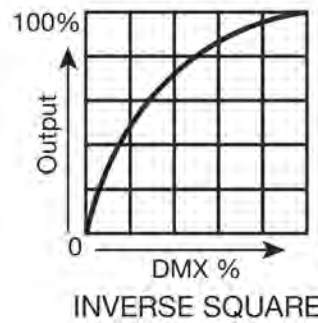
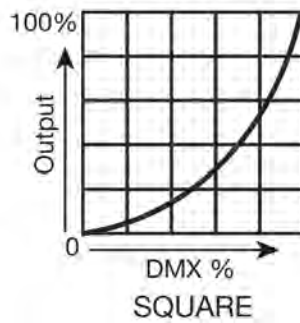
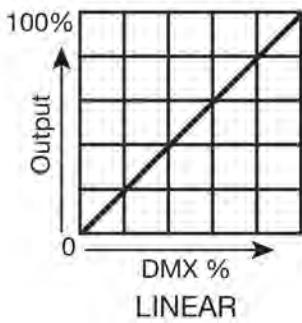
COLOR TEMPERATURE CHART

| DMX VALUES | COLOR TEMPERATURE | DMX VALUES | COLOR TEMPERATURE |
|-------------------|--------------------------|-------------------|--------------------------|
| 000 - 026 | No function | 047 | 4700 |
| 027 | 2700 | 048 | 4800 |
| 028 | 2800 | 049 | 4900 |
| 029 | 2900 | 050 | 5000 |
| 030 | 3000 | 051 | 5100 |
| 031 | 3100 | 052 | 5200 |
| 032 | 3200 | 053 | 5300 |
| 033 | 3300 | 054 | 5400 |
| 034 | 3400 | 055 | 5500 |
| 035 | 3500 | 056 | 5600 |
| 036 | 3600 | 057 | 5700 |
| 037 | 3700 | 058 | 5800 |
| 038 | 3800 | 059 | 5900 |
| 039 | 3900 | 060 | 6000 |
| 040 | 4000 | 061 | 6100 |
| 041 | 4100 | 062 | 6200 |
| 042 | 4200 | 063 | 6300 |
| 043 | 4300 | 064 | 6400 |
| 044 | 4400 | 065 | 6500 |
| 045 | 4500 | 066 - 255 | 10000 |
| 046 | 4600 | | |

DIMMER MODES & CURVES



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



CLEANING & MAINTENANCE

WARNING! DISCONNECT UNIT FROM POWER BEFORE PERFORMING ANY CLEANING OR MAINTENANCE PROCEDURES!

ALWAYS ALLOW THE FIXTURE TO COOL FOR AT LEAST 15 MINUTES BEFORE PERFORMING ANY CLEANING OR MAINTENANCE!

CLEANING

Frequent cleaning is recommended to ensure proper function, optimized light output, and an extended life. The frequency of cleaning depends on the environment in which the fixture operates: damp, smoky, or particularly dirty environments can cause greater accumulation of dirt on the fixture's optics. Clean periodically with a soft cloth to avoid dirt/debris accumulation.

NEVER use alcohol, solvents, or ammonia-based cleaners.

MAINTENANCE

Regular inspections are recommended to ensure proper function and extended life. There are no user serviceable parts inside this fixture. Please refer all other service issues to an authorized ADJ service technician. Should you need any spare parts, please order genuine parts from an authorized ADJ dealer.

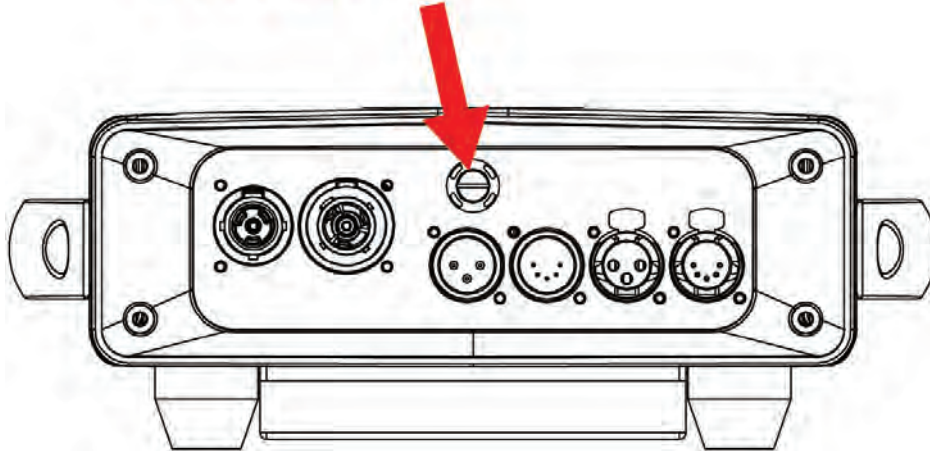
Please refer to the following points during routine inspections:

- A detailed electrical check by an approved electrical engineer every three months, to make sure the circuit contacts are in good condition and prevent overheating.
- Be sure all screws and fasteners are securely tightened at all times. Loose screws may fall out during normal operation, resulting in damage or injury as larger parts could fall.
- Check for any deformations on the housing, color lenses, rigging hardware and rigging points (ceiling, suspension, trussing). Deformations in the housing could allow for dust to enter into the fixture. Damaged rigging points or unsecured rigging could cause the fixture to fall and seriously injure a person(s).
- Electric power supply cables must not show any damage, material fatigue or sediments.

FUSE REPLACEMENT

Disconnect the unit from the power source, then use a flat head screw driver to unscrew the fuse holder located above the DMX ports. Remove the bad fuse and replace with a new one, then screw the fuse holder back in. Replace only with a new fuse of the same type and rating.

FUSE LOCATION



SOFTWARE UPDATES

ONLY QUALIFIED TECHNICIANS SHOULD PERFORM THIS FUNCTION! NOTE ALL MENU SETTINGS BEFORE UPDATING SOFTWARE!

FIXTURE SOFTWARE CANNOT BE DOWNGRADED!

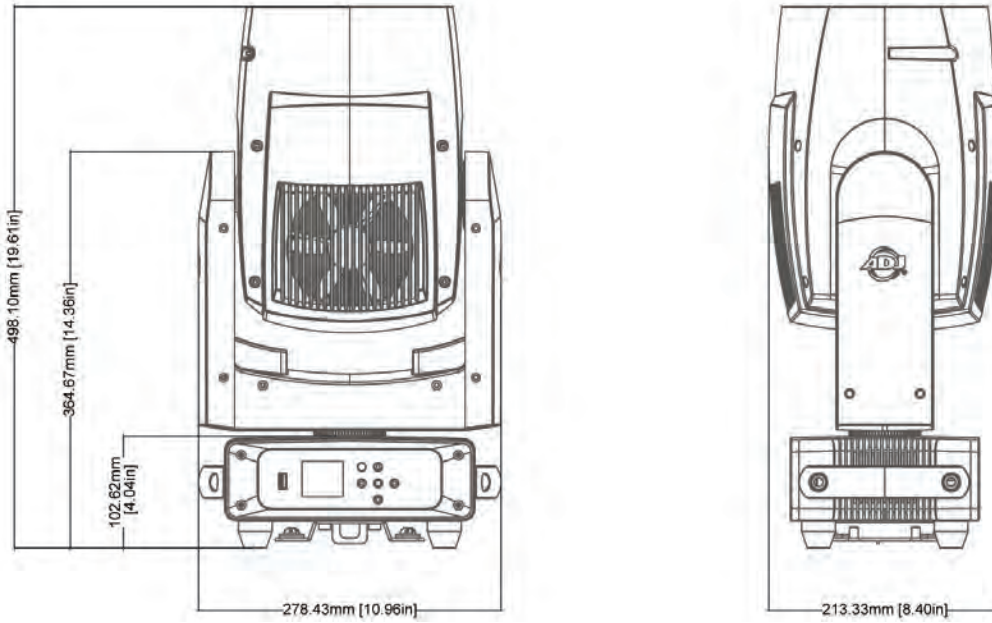
DOWNLOAD FIXTURE SOFTWARE TO PC ONLY! (NO MAC SUPPORT)

PLEASE CONTACT ADJ CUSTOMER SERVICE FOR FURTHER INFORMATION.

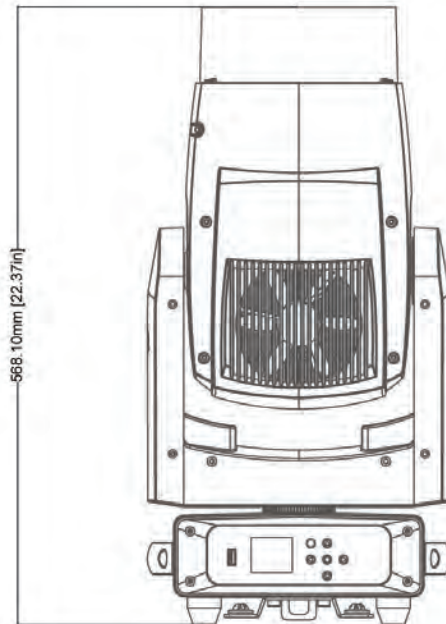
1. Contact ADJ customer service to obtain the updated software. Download software to a USB flash drive. In order to minimize the risk of downloading the incorrect software to your device, make sure that the desired update files are the only files on the USB flash drive.
2. Disconnect any DMX connections from your device. Insert the USB flash drive into the service port on your device.
3. Use the display screen control panel to navigate to Personality > Service > USB Port Power. See the **System Menu** section of this manual for detailed instructions. Enter the passcode when prompted, and switch the USB Port Power setting to ON.
4. Highlight the desired file and press ENTER to select it and begin the download.
5. The unit will now update, run an automatic software check, and reset. This may take some time.
6. Repeat this process for each software update file.
7. Verify by navigating to Information > Software Version and confirming that the correct software version number is shown there (see the **System Menu** section of this manual for detailed instructions).

DIMENSIONAL DRAWINGS

Without Snoot



Snoot Installed



Drawings may not be to scale.

SPECIFICATIONS

SOURCE:

- 400W RGBACL LED
- 50,000 Hour Average LED Life*

*May vary depending on several factors including but not limited to: Environmental Conditions, Power/Voltage, Usage Patterns (On-Off Cycling), Control, and Dimming.

PHOTOMETRIC DATA:

- Zoom Range 10° - 46°
- Color Temperature: 10000K
- 4,600 Total Lumen Fixture Output
- Lux @ 10': 10,384 lx (965 foot candles), 1.8' diameter
- CRI: 94
- CRI R9: 87.3
- TM30 Rf: 90.8
- TM30 Rg: 99.5

COLOR:

- RGBWACL (Red, Green, Blue, Amber, Cyan, Lime)

EFFECTS:

- RGBACL Color Mixing
- 10~46-degree Motorized Zoom
- Electronic Strobe
- Color Temperature Red to Green control via DMX
- Linear Color Temperature control, 2700k to 10,000k
- Preset Color Temperatures (2700k, 3200k, 4000k, 5600k and 6500k)

CONTROL / CONNECTIONS:

- 3 DMX Channel Modes (16, 21 & 23 Channel Modes)
- Selectable LED Refresh Rates, 900Hz to 25K Hz.
- Linear Dimming with user selectable Dim Curves, Dim Modes and Dim Speeds
- 6-button Control Panel and LCD Menu Display
- RDM (Remote Device Management)
- Locking 3-pin and 5-pin XLR Connector In/Out
- IP65 Locking Power Connector In/Out
- With Wired Digital Communication Network

SIZE / WEIGHT:

- Length: 10.96" (278.43mm)
- Width: 8.40" (213.33mm)
- Vertical Height (Without Snoot): 19.61" (498.1mm)
- Vertical Height (Snoot Installed): 22.37" (568.1mm)
- Weight: 23.5 lbs. (10.7 kg)

ELECTRICAL / THERMAL:

- Multi-voltage: AC 100-240V - 47/63Hz
- 438W Max Power Consumption
- Multiple Unit Power Linking
- 5°F to 113°F (-15°C to 45°C)

APPROVALS / RATINGS:

- CE | cETLus (Pending) | IP20

Specifications and documentation subject to change without notice.

