

VIZI CMY300

User Guide

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ADJ USA | 6122 S. Eastern Ave. | Los Angeles, CA. 90040
 323-582-2650 | 323-532-2941 fax | www.adj.com | support@americandj.com

ADJ Supply Europe B.V. | Junostraat 2 | 6468 EW Kerkrade, The Netherlands
 +31 (0)45 546 85 00 | +31 45 546 85 99 fax | www.adj.eu | support@adjgroup.eu

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

DOCUMENT VERSION

 Due to additional product features and/or enhancements, an updated version of this document may be available online.
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Date	Document Version	Software Version	DMX Channels	Notes
12/06/17	1	1.0	24/26/28	Initial Release
01/25/18	2	1.1	N/C	System Menu and Offset Menu Updated, Error Codes Added
02/12/21	3	2.0	N/C	System Menu and Operating Instructions
03/18/21	4	N/C	N/C	Updated Dimensional Drawing and Technical Specifications
08/12/21	5	N/C	N/C	Updated Operating Instructions, Safety Precautions, and Mounting
01/04/22	6	N/C	N/C	Updated Format

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GENERAL

INTRODUCTION

This fixture has been designed to perform reliably for years when the information in this manual are followed. Please read and understand all the instructions and guidelines carefully and thoroughly before operating this unit. This manual contains important information regarding safety, installation, use, and maintenance.

UNPACKING

Each fixture has been thoroughly tested and shipped in perfect operating condition. Carefully check the outer shipping carton for signs of any damage that may have occurred during shipping. If the outer carton appears to be damaged, carefully inspect the fixture for damage and be sure all included accessories have arrived intact. In the event damage has been found and/or parts are missing, please contact our customer support team for further instructions. Please do NOT return this fixture to your dealer without first contacting customer support at the number listed below. Please do NOT discard the outer shipping carton in the trash. Please recycle whenever possible.

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

ADJ SERVICE USA - Monday - Friday 8:00am to 4:30pm PST

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

ADJ SERVICE EUROPE - Monday - Friday 08:30 to 17:00 CET

Voice: +31 45 546 85 60 | Fax: +31 45 546 85 96 | support@adj.eu

REPLACEMENT PARTS please visit parts.adj.com

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 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 an R.A. number clearly marked on the outside of the package will be refused and returned at customer's expense. You may obtain an 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 periods below). 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 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 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 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. 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. 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-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)
PLEASE NOTE: 2-Year (730 Days) Limited Warranty ONLY applies to product purchased within the USA.
- **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

This fixture is a sophisticated piece of electronic equipment. To guarantee smooth operation, it is important to follow all instructions and guidelines in this manual. ADJ is not responsible for injury and/or damages resulting from the misuse of this fixture due to the disregard of the information printed in this manual. Only qualified and/or certified personnel should perform installation of this fixture and only the original rigging parts (omega brackets) included with this fixture should be used for installation. Any modifications to the fixture and/or the included mounting hardware will void the original manufacturer's 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, AS 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!
DISCONNECT FIXTURE FROM POWER BEFORE SERVICING!
NEVER TOUCH THE FIXTURE DURING OPERATION, AS IT MAY BE HOT!
KEEP FLAMMABLE MATERIALS AWAY FROM THE FIXTURE!**



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



**MAXIMUM EXTERNAL SURFACE TEMPERATURE: 185° F (85° C)
MAXIMUM AMBIENT TEMPERATURE: 104° F (40° C)**

- **DO NOT TOUCH** the fixture housing during operation.
- Turn OFF the power and allow approximately 15 minutes for the fixture to cool down before serving.
- **DO NOT** shake fixture, avoid brute force when installing and/or operating fixture.
- **DO NOT** operate fixture if the power cord is frayed, crimped, damaged and/or if any of the power cord connectors are damaged and do not insert into the fixture securely with ease.
- **NEVER** force a power cord connector into the fixture. If the power cord or any of its connectors are damaged, replace it immediately with a new one of similar power rating.
- **DO NOT** block any air ventilation slots. All fan and air inlets must remain clean and never blocked. Allow approx. 7.9" (20cm) between fixture and a wall for proper cooling.
- When installing fixture in a suspended environment, always use mounting hardware that is at least M10 x 25 mm, and always install fixture with 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, and 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.
- In the event that the fixture needs to be returned for servicing, use only the original packaging and materials to transport the fixture.

SAFETY GUIDELINES

! CAUTION

HIGH INTENSITY ULTRAVIOLET LIGHT



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

RISK GROUP 3 - RISK OF EXPOSURE TO ULTRAVIOLET UV RADIATION! FIXTURE EMITS HIGH INTENSITY WAVELENGTH OF ULTRAVIOLET UV LIGHT AT A WAVELENGTH OF 399NM - 435NM. 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 OR MISSING EXTERNAL COVER PROTECTIVE LENS. 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 DISORDERS, OR INDIVIDUALS USING PHOTSENSITIVE 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 serving.

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

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

DO NOT block any air ventilation slots.

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

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

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

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

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

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

SAFETY GUIDELINES

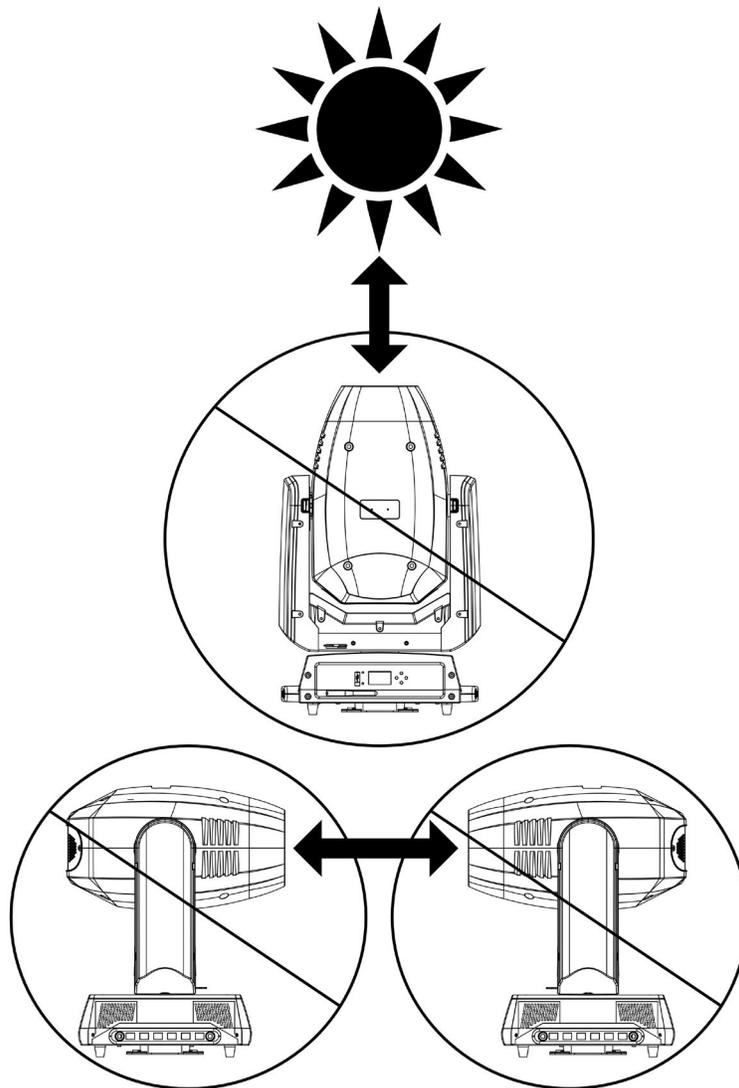
POTENTIAL INTERNAL FIXTURE DAMAGE FROM EXTERNAL SOURCES OF LIGHT BEAMS

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.



MAINTENANCE GUIDELINES



DISCONNECT POWER BEFORE PERFORMING ANY MAINTENANCE!

CLEANING

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

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

MAINTENANCE

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

NEVER remove the ground prong from the power cable.

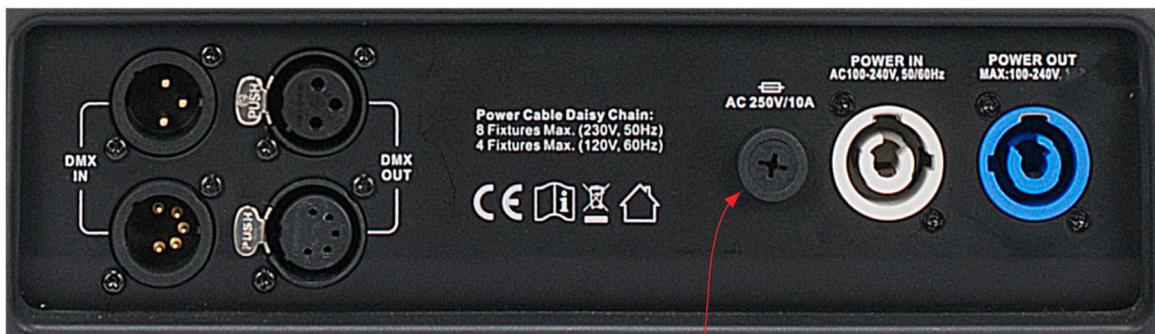
FUSE REPLACEMENT

Unplug the unit from any power source it may be connected to. Once the power has been disconnected, use a flat head screw driver to unscrew the fuse holder located next to the power input. Remove the bad fuse and replace with a new one, and screw the fuse holder back in. **Only replace fuse with a new fuse of the same type and rating.**

MULTIPLE UNIT POWER LINKING

With this feature you can connect the fixtures to one another using the power cable input and output sockets.

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



Fuse: 250V/10A

OVERVIEW



INSTALLATION INSTRUCTIONS



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

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

Before rigging/mounting a single fixture to any metal truss/structure or placing the fixture(s) on any surface, a professional equipment installer **MUST** be consulted to determine if the metal truss/structure or surface is properly certified to safely hold the combined weight of the fixture(s), clamps, cables, and accessories.

Ambient operating temperature range is **32°F. (0°C) to 104°F. (40°C)**.

Fixture(s) 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(s) when rigging, removing or servicing.

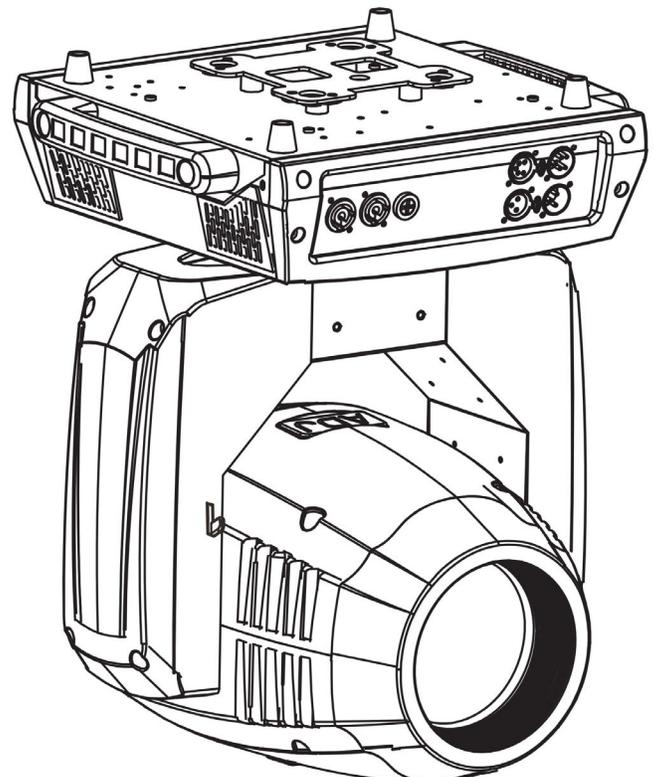
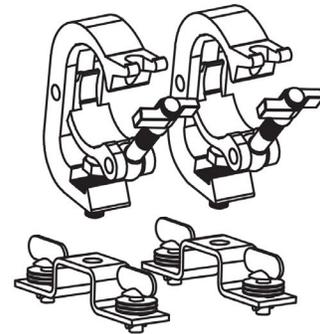
Overhead fixture installation must always be secured with a secondary safety attachment, such as an appropriately rated safety cable that can hold 10 times the weight of the fixture. Allow approximately 15 minutes for the fixture to cool down before serving.

CLAMP INSTALLATION

Screw one clamp via a M12 screw and nut into each Omega Bracket. Insert the quick-lock fasteners of the Omega Bracket into the respective holes of the fixture base.

NOTE: The clamp must be attached to the Omega Bracket before attaching the bracket to the fixture.

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.

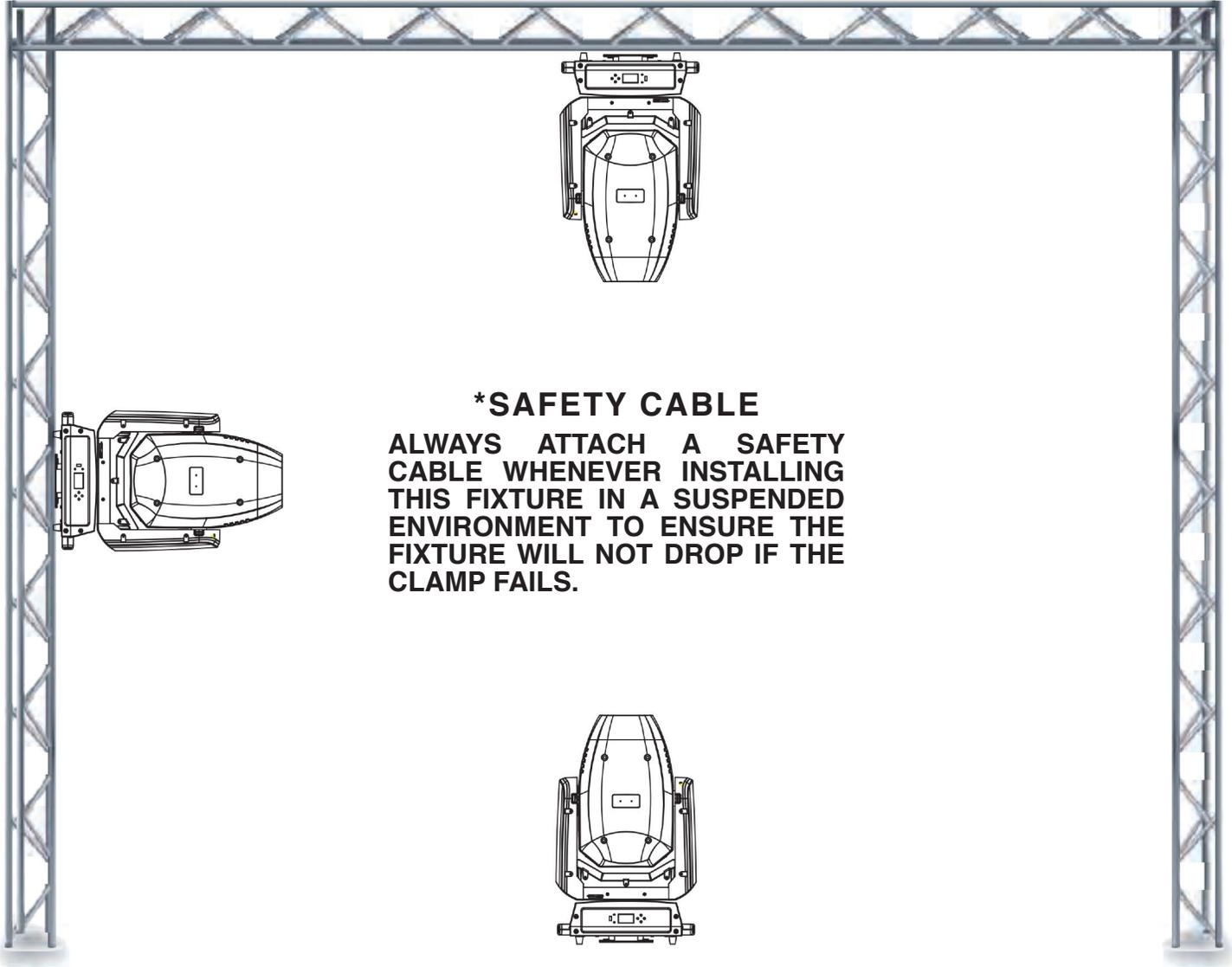


INSTALLATION INSTRUCTIONS

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.

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



***SAFETY CABLE**

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

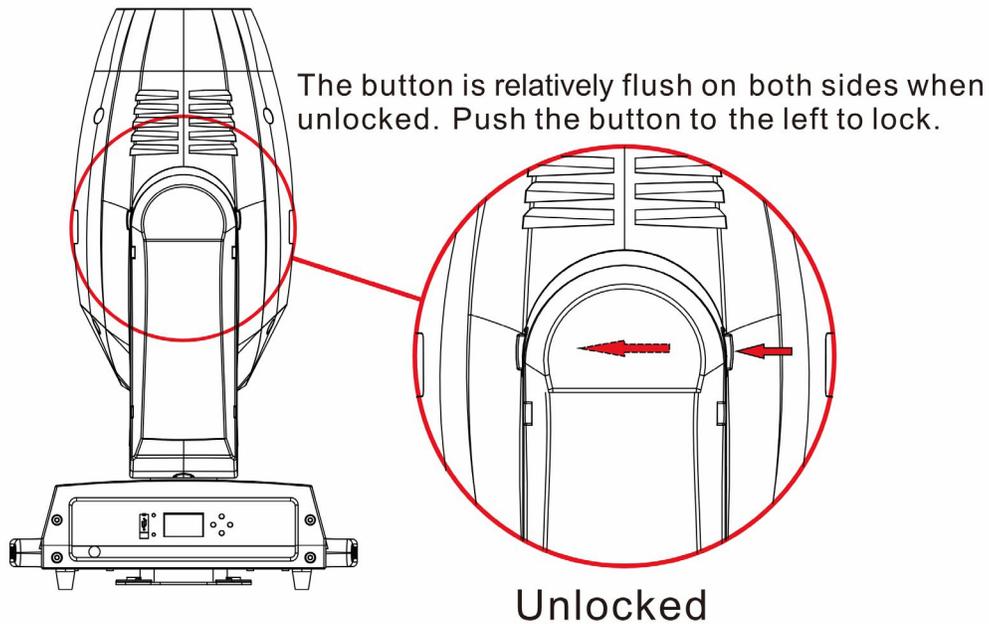
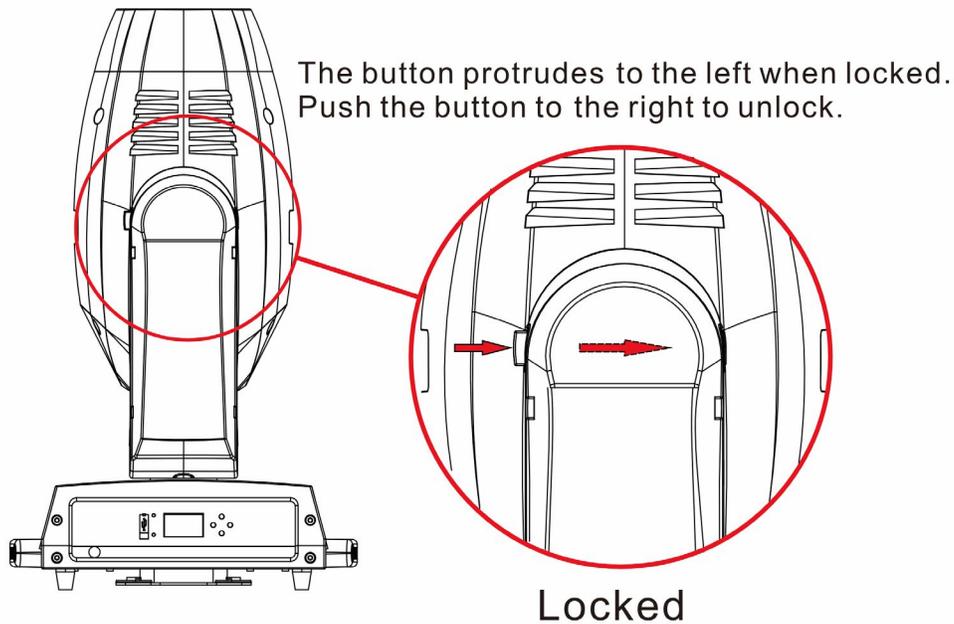
The VIZI CMY300 is fully operational in three mounting positions: hanging upside-down, mounted sideways on trussing, or set on a flat, level surface. Ensure this fixture is kept at least 0.7ft (0.2m) away from any flammable materials (decorations, etc.). Always use and install a safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails. Never use the carrying handles for secondary attachment.

GOBOS & GOBO REPLACEMENT

The glass gobo's are the only gobo's that are interchangeable in this unit. Remember when changing these gobo's that they are glass. Please do this process gently so you do not break the gobo. Caution! Never open the unit when in use. Always disconnect the main power before attempting to change the gobos.

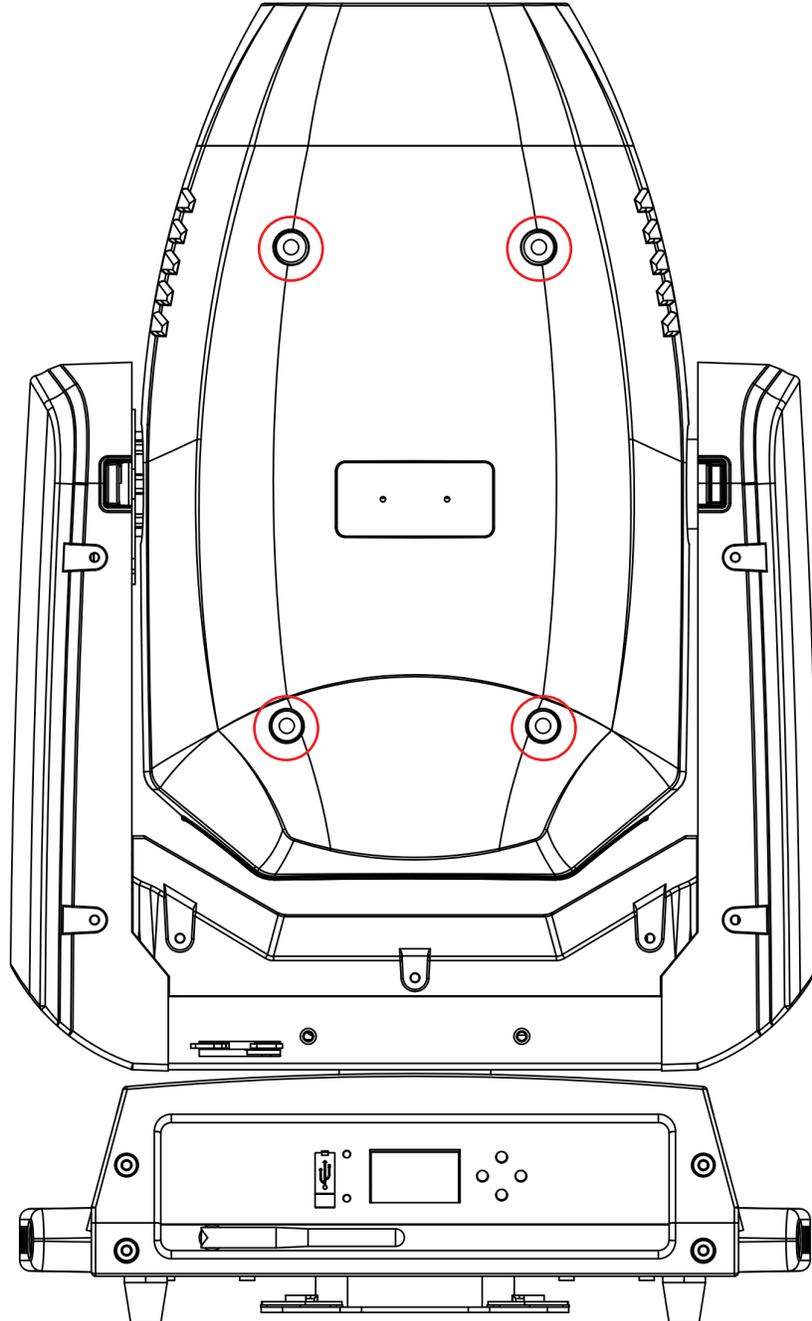
Note: Gobo 4 has no retainer ring. The gobo is held in by high temperature silicon sealant.

1. With the fixture on a clean, firm, and flat surface and engage tilt locks.



GOBOS & GOBO REPLACEMENT

1. Unscrew the four (4) screws that secure the shell to the moving head, then remove the safety clip that attaches near the bottom of the head and remove the shell.



GOBOS & GOBO REPLACEMENT

2. Remove the shell to access the gobo wheel. Turn the wheel by hand until you come across the gobo to be replaced appears..
3. Remove the individual gobo holders by gently pushing the gobo holder (Not the wheel) up and away from the gobo wheel. Do not the push the gobo holder to far. While pushing the gobo holder away from the wheel, pull the gobo holder up and out.
4. Once the gobo holder has been removed, notice that high temperature silicon sealant applied to the retainer ring. Using a small flathead screwdriver, very gently scrape away the silicon sealant to release the retainer ring. After the retainer ring is removed, remove the gobo.
5. Change the gobo and replace the retainer ring. Reapply high temperature silicon sealant to the same areas on the retainer ring.
6. Insert the gobo frame back into the unit, positioning it in same way as the other gobo frames.
7. Reassemble the unit.



Note that the Gobo Wheel/Color Wheel Assemblies are shown here for clarity. It is not necessary to remove the assemblies to access the individual gobos in their holders.

GOBOS SPECIFICATIONS

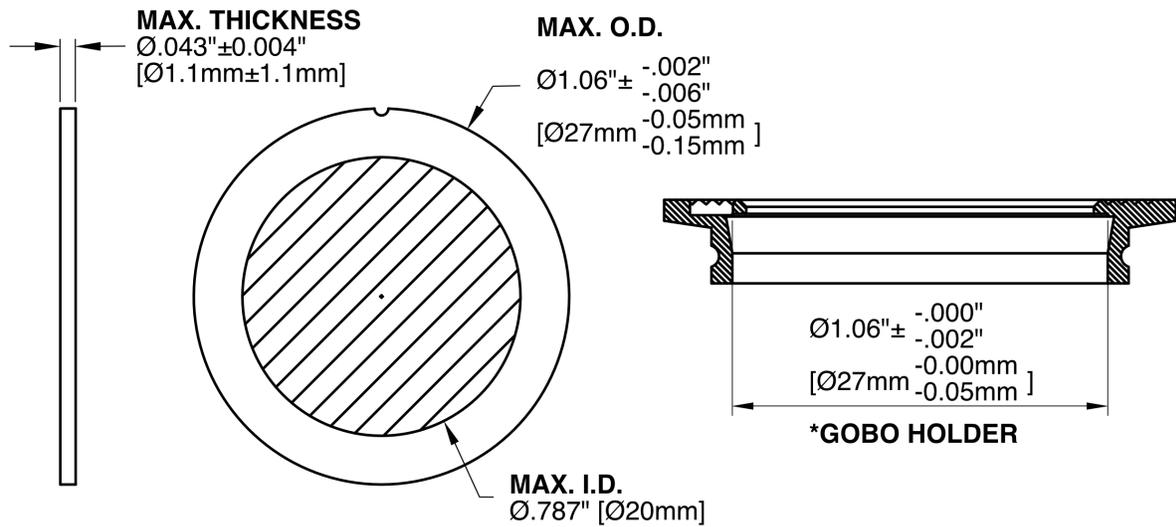
IMPORTANT NOTICE REGARDING CUSTOM GOBOS

Due to the high temperature optical system, special BOROFLOAT glass material and design requirements are required.

Because of the varying gobo manufacturing processes and tolerances, it is highly recommended that a gobo and gobo holder sample from the fixture be provided to the custom gobo vendor for accurate sizing. Gobo specifications below including diameter, thickness, and materials have been tested and are compatible in this fixture.

Using custom gobos that do not match the gobo specifications below is not recommended, and any damage to the fixture as a result of using a custom gobo is NOT covered under warranty.

Extended testing of custom gobo designs is highly recommended prior to using. PLEASE CONTACT ADJ CUSTOMER SUPPORT FOR FURTHER INFORMATION.



O.D. (Max. Outer Diameter)	$\varnothing 1.06\text{in.} - 0.006\text{in.}$ $[\varnothing 26.8\text{mm} - 0.15\text{mm}]$
I.D. (Max. Image Diameter)	$\varnothing.79\text{in.} [\varnothing 20.0\text{mm}]$
Gobo Holder Diameter	$\varnothing 1.06\text{in.} - 0.006\text{in.}$ $[\varnothing 27.0\text{mm} - 0.05\text{mm}]$
Thickness	$.043\text{in.} - 0.004\text{in.}$ $1.1\text{mm} \pm 0.1\text{mm}$
Material	BOROFLOAT GLASS

GOBOS 1, 2, 3, 5, 6, 7 ARE SECURED IN THE GOBO HOLDER WITH A RETAINER SPRING AND HIGH TEMPERATURE SILICONE SEALANT.

GOBO 4 IS SECURED WITH A HIGH TEMPERATURE SILICONE SEALANT ONLY, NO RETAINER SPRING.

NO METAL BEZELS ARE USED TO SECURE ANY OF THE FACTORY GOBOS.

GOBO WHEELS

GOBO WHEEL 1 - REPLACEABLE GOBOS



GOBO 1

GOBO 2

GOBO 3

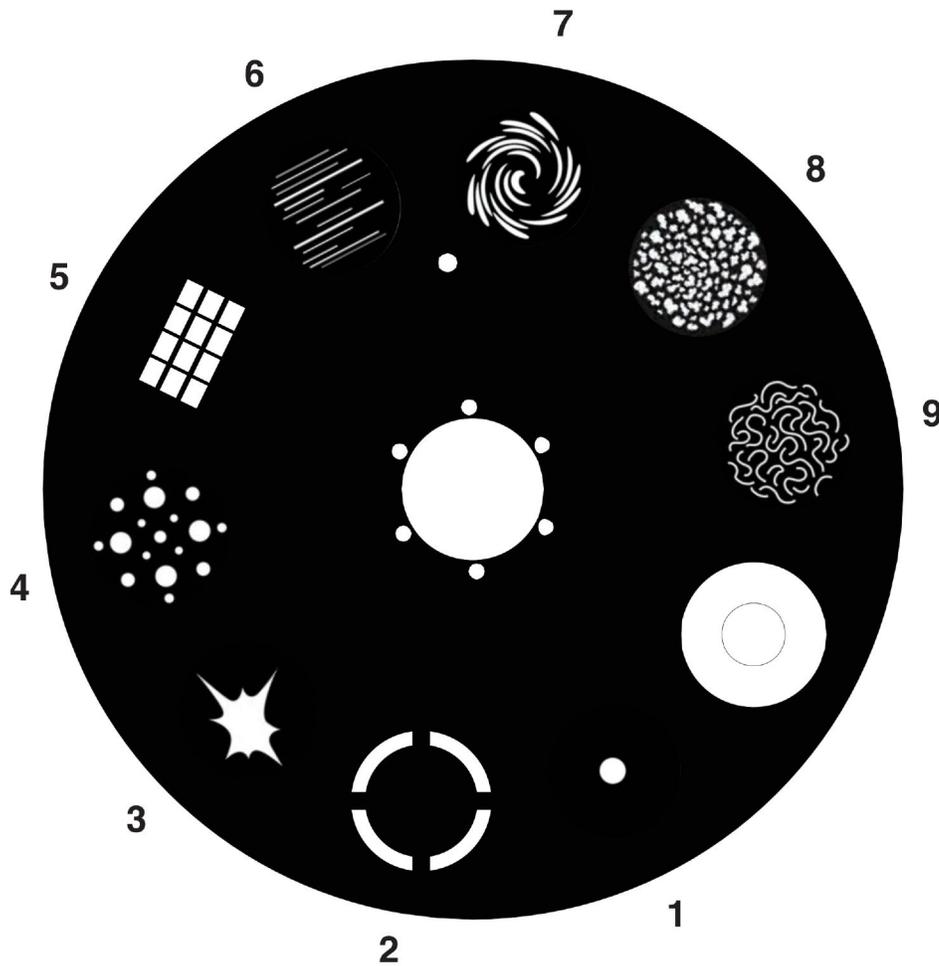
GOBO 4

GOBO 5

GOBO 6

GOBO 7

GOBO WHEEL 2 - FIXED GOBOS



DMX SETUP

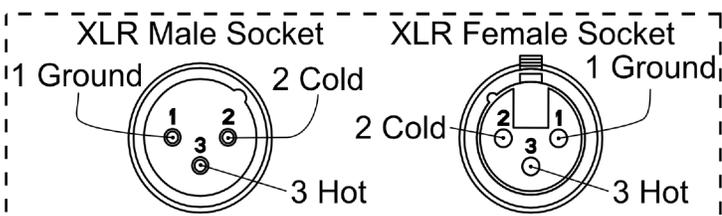
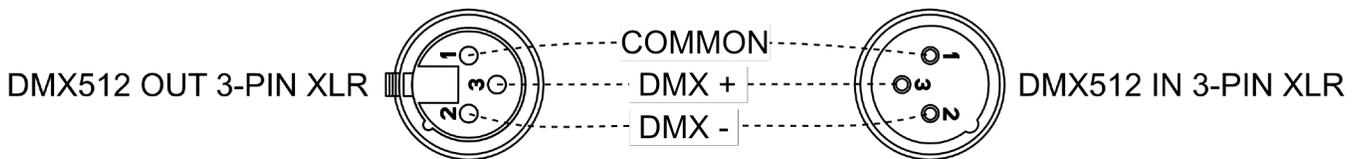
DMX-512: DMX is short for Digital Multiplex. This is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions from the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture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

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

Data Cable (DMX Cable) Requirements (For DMX Operation): The VIZI CMY300 can be controlled via DMX-512 protocol. The DMX address is set on the front panel of the VIZI CMY300. Your unit and your DMX controller require a 5-pin XLR connector for data input and data output. We recommend Accu-Cable DMX cables. If you are making your own cables, be sure to use standard 110-120 Ohm shielded cable (This cable may be purchased at almost all pro lighting stores). Your cables should be made with a male and female XLR connector on either end of the cable. Also remember that DMX cable must be daisy chained and cannot be split.



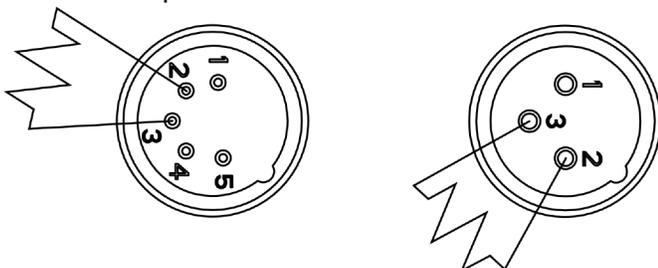
Notice: Be sure to follow the figures below when making your own cables. Do not use the ground lug on the XLR connector. Do not connect the shield of the cable conductor to the ground lug, or allow the shield conductor to come in contact with the outer casing of the XLR. Grounding the shield could cause a short circuit and erratic behavior.



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

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.



A DMX512 terminator reduces signal errors, avoiding most signal reflection interference. Connect PIN 2 (DMX-) and PIN 3 (DMX+) of the last fixture in series with a 120 Ohm, 1/4 W Resistor to terminate the DMX512.

DMX SETUP

5-Pin XLR DMX Connectors. The VIZI CMY300 uses 5-pin DMX-512 data cables for DATA transmission in place of a 3-pin. 5-pin DMX fixtures may be implemented in a 3-pin DMX line. When inserting standard 5-pin data cables in to a 3-pin line a cable adapter must be used, these adapters are readily available at most electric 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

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 VIZI CMY300, when in 21 channel mode you should set the starting DMX address of the first unit to 1, the second unit to 22 ($21 + 1$), the third unit to 43 ($22 + 21$), and so on. (See the chart below for more details.)

Channel Mode	Unit 1 Address	Unit 2 Address	Unit 3 Address	Unit 4 Address
24 Channels	1	25	49	73
26 Channels	1	27	53	79
38 Channels	1	39	77	115

SYSTEM MENU

The fixture includes an easy to navigate system menu control panel display where all necessary settings and adjustments are made. During normal operation, pressing the **MENU** button once will access the fixture's main menu. Once in the main menu, you can navigate through the different functions with the **UP** and **DOWN** buttons. When you reach a field that requires adjusting, press the **ENTER** button to access that field and use the **LEFT** and **RIGHT** 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 **MENU** button.

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



SYSTEM MENU

MAIN MENU	SUB MENU	OPTIONS / VALUES	DESCRIPTION
DMX FUNCTIONS	DMX Address	1 - 474	
	DMX Channel Mode	Mode 1 (24)	
		Mode 2 (26)	
		Mode 3 (38)	
	DMX State	BlackOut	
		Hold	
	View DMX Value		
WDMX	OFF/ON		
WDMX	0-14		
FIXTURE SETTING	Pan Invert	Yes/No	
	Tilt Invert	Yes/No	
	P/T Feedback	Yes/No	
	Dimmer Mode	Standard, Stage, TV, Architec, Theatre	
	Focus Compensate	Disable, Near, Medium, Far	
	Fan Mode	Silent, Auto, High	
DISPLAY SETTING	Display Invert	Yes/No	
	Backlight Intensit	1 - 10	
	Temperature Unit	°C/°F	
FIXTURE TEST	Auto Test		
	Manual Test		
FIXTURE INFORMATION	Fixture Use Time		
	Temperature		
	USB Upgrade File		
	Firmware Version		
	Error Logs	Fixture Errors	
Reset Error Log		Yes/No	Password=050
RESET FUNCTIONS	Pan/Tilt	Yes/No	
	Effect	Yes/No	
	All	Yes/No	
SPECIAL FUNCTIONS	Factory Setting	Yes/No	

SYSTEM MENU

System Menu: When making adjustments press **ENTER** to confirm your setup. To exit without making any adjustments press the **MENU** button. The display will lock after 30 seconds, press the **MENU** button for 3 seconds to unlock.

DMX FUNCTIONS

DMX Address - With this function, you can adjust the DMX address via the Control Board.

1. Access the main menu, and press the **UP** or **DOWN** buttons so that “**DMX Functions**” is highlighted, then press **ENTER**.
2. Press the **UP** or **DOWN** buttons until “**DMX Address**” is displayed, and press **ENTER**. The current DMX address will now be displayed.
3. Use the **UP** or **DOWN** buttons to adjust the DMX address.
4. Press **ENTER** to confirm or press **MENU** button to return to the main menu.

DMX Channel Mode - With this function, you can select the DMX channel mode.

1. Access the main menu, and press the **UP** or **DOWN** buttons so that “**DMX Functions**” is highlighted, then press **ENTER**.
2. Press the **UP** or **DOWN** buttons until “**DMX Channel Mode**” is displayed, and press **ENTER**. The current DMX channel mode will now be displayed.
3. Press the **MENU** button to return to the main menu.

DMX State - This mode can be used as a precaution mode, that in case the DMX signal is lost, interrupted, or power is lost, the operating mode chosen in this setup is the running mode the fixture will go into when the DMX signal is lost. You can also set this as the running mode you would like the unit to return to when power is applied.

1. Access the main menu, and press the **UP** or **DOWN** buttons so that “**DMX Functions**” is highlighted, then press **ENTER**.
2. Press the **UP** or **DOWN** buttons until “**DMX State**” is displayed, and press **ENTER**. Use the **UP** and **DOWN** buttons to switch between the two modes; Blackout or Hold. Press the **ENTER** button to make your selection.
 - **HOLD** - If the DMX signal is lost the fixture will stay in the last DMX setting. If power is applied and this mode is set, the unit will automatically go into the last DMX set up.
 - **BLACKOUT** - If the DMX signal is lost or interrupted, the unit will automatically go into stand by mode.
3. Press the **MENU** button to return to the main menu.

View DMX Value - This function will allow you to see the DMX value of each DMX channel that is currently being used at the time.

1. Access the main menu, and press the **UP** or **DOWN** buttons so that “**DMX Functions**” is highlighted, then press **ENTER**.
2. Press the **UP** or **DOWN** buttons until “**DMX Value**” is displayed, and press **ENTER**.
3. A DMX Channel will be displayed. **Example:** Prism, Color Wheel, Gobo Wheel, etc... Press **ENTER** when you find the DMX channel that you would like to check. When you press **ENTER**, the DMX value of that channel will displayed.
4. Press the **MENU** button to exit and return to the main menu.

WDMX On/Off - In this submenu you can activate the wireless DMX function.

1. Access the main menu, and press the **UP** or **DOWN** buttons so that “**DMX Functions**” is highlighted, then press **ENTER**.
2. Press the **UP** or **DOWN** buttons until “**WDMX On/Off**” is displayed, and press **ENTER**.
3. Either “**On**” or “**Off**” will displayed. To activate Wireless DMX press the **UP** or **DOWN** so that “**On**” is highlighted and press **ENTER**.
4. Press the **MENU** button to exit and return to the main menu.

WDMX Address - In this submenu you can set the wireless DMX address.

1. Access the main menu, and press the **UP** or **DOWN** buttons so that “**DMX Functions**” is highlighted, then press **ENTER**.
2. Press the **UP** or **DOWN** buttons until “**WDMX Address**” is displayed, and press **ENTER**.
3. The current WiFly address will be displayed. Press the **UP** or **DOWN** to adjust the WiFly DMX address and press **ENTER** to confirm. The WDMX address must match the WiFly DMX address your Wireless DMX controller is set to.
4. Press the **MENU** button to exit and return to the main menu.

SYSTEM MENU

FIXTURE SETTINGS

Pan Invert - With this function, you can reverse the Pan movement.

1. Access the main menu, and press the **UP** or **DOWN** buttons so that “**Fixture Settings**” is highlighted, then press **ENTER**.
2. Press the **UP** or **DOWN** buttons until “**Pan Invert**” is displayed, and press **ENTER**. The current setting will now be displayed.
3. Use the **UP** or **DOWN** buttons to switch between “**YES**” and “**NO**”. Selecting “**YES**” will activate pan inverse, “**NO**” will deactivate the function.
4. Press **ENTER** to confirm your selection or press the **MENU** button to return to the main menu.

Tilt Invert - With this function, you can reverse the Tilt movement.

1. Access the main menu, and press the **UP** or **DOWN** buttons so that “**Fixture Settings**” is highlighted, then press **ENTER**.
2. Press the **UP** or **DOWN** buttons until “**Tilt Invert**” is displayed, and press **ENTER**. The current setting will now be displayed.
3. Use the **UP** or **DOWN** buttons to switch between “**YES**” and “**NO**”. Selecting “**YES**” will activate tilt inverse, “**NO**” will deactivate the function.
4. Press **ENTER** to confirm your selection or press the **MENU** button to return to the main menu.

P/T Feedback - With this function, you have the pan and tilts position feedback while out of step or not feed- back while out of step.

1. Access the main menu, and press the **UP** or **DOWN** buttons so that “**Fixture Settings**” is highlighted, then press **ENTER**.
2. Press the **UP** or **DOWN** buttons until “**P/T Feedback**” is displayed, and press **ENTER**. The current setting will now be displayed.
3. Use the **UP** or **DOWN** buttons to switch between “**YES**” and “**NO**”. Selecting “**YES**” will activate feedback, “**NO**” will deactivate the function.
4. Press **ENTER** to confirm your selection or press the **MENU** button to return to the main menu.

Dimmer Mode - With this function, you can select your desired dimmer curve. See the chart on page 42 for the different curves.

1. Access the main menu, and press the **UP** or **DOWN** buttons so that “**Fixture Settings**” is highlighted, then press **ENTER**.
2. Press the **UP** or **DOWN** buttons until “**Dimmer Mode**” is displayed, and press **ENTER**. The current curve setting will now be displayed.
3. Use the **UP** or **DOWN** buttons to scroll through the different dimmer curves.
4. Press **ENTER** to confirm your selection or press the **MENU** button to return to the main menu.

Focus Compensate - With this function, you can select the focus in regards to projected distance. This setting is used in conjunction with the focus channel in your selected DMX mode. **Example:** If the unit is being used in a short distance around 5 meters then “**NEAR**” should be selected.

1. Access the main menu, and press the **UP** or **DOWN** buttons so that “**Fixture Settings**” is highlighted, then press **ENTER**.
2. Press the **UP** or **DOWN** buttons until “**Focus Compensate**” is displayed, and press **ENTER**. The current setting will be displayed.
3. Use the **UP** or **DOWN** buttons to scroll through the different settings.
4. Press **ENTER** to confirm your selection or press the **MENU** button to return to the main menu.

Fan Mode - With this function, you can select your desired fan speed.

1. Access the main menu, and press the **UP** or **DOWN** buttons so that “**Fixture Settings**” is highlighted, then press **ENTER**.
2. Press the **UP** or **DOWN** buttons until “**Fan Speed**” is displayed, and press **ENTER**. The current setting will be displayed.
3. Use the **UP** or **DOWN** buttons to toggle between the three settings.
4. Press **ENTER** to confirm your selection or press the **MENU** button to return to the main menu.

SYSTEM MENU

DISPLAY SETTINGS

Display Invert - With this function, you can “flip” the display 180 degrees.

3. Access the main menu, and press the **UP** or **DOWN** buttons so that “Display Settings” is highlighted, then press **ENTER**.
4. Press the **UP** or **DOWN** buttons until “**Display Invert**” is displayed, and press **ENTER**. The current setting will now be displayed.
5. Use the **UP** or **DOWN** buttons to switch between “**No**” or “**Yes**”. Selecting “**Yes**” will “flip” the display, “**No**” will return the display to normal.
6. Press **ENTER** to confirm your selection or press the **MENU** button to return to the main menu.

Backlight Intensity - With this function, you can adjust the intensity of the display backlight.

1. Access the main menu, and press the **UP** or **DOWN** buttons so that “**Display Settings**” is highlighted, then press **ENTER**.
2. Press the **UP** or **DOWN** buttons until “**Backlight Intensity**” is displayed, and press **ENTER**. The current setting will now be displayed.
3. Use the **UP** or **DOWN** buttons to adjust the intensity between 1-10. 1 is the lowest intensity, 10 the brightest intensity.
4. Press **ENTER** to confirm your selection or press the **MENU** button to return to the main menu.

Temperature Unit - With this function, you can switch the temperature setting between Celsius or Fahrenheit.

1. Access the main menu, and press the **UP** or **DOWN** buttons so that “Display Settings” is highlighted, then press **ENTER**.
2. Press the **UP** or **DOWN** buttons until “**Temperature Unit**” is displayed, and press **ENTER**. The current setting will now be displayed.
3. Use the **UP** or **DOWN** buttons to switch between **°C** or **°F**.
4. Press **ENTER** to confirm your selection or press the **MENU** button to return to the main menu.

FIXTURE TEST

Fixture Test - With this function, you can run an **Auto Test** or a **Manual Test**.

1. Access the main menu, and press the **UP** or **DOWN** buttons so that “**Fixture Test**” is highlighted, then press **ENTER**.
2. Use the **UP** or **DOWN** buttons to switch between “**Auto Test**” or “**Manual Test**”.
3. Press **ENTER** to confirm your selection or press the **MENU** button to return to the main menu.

FIXTURE INFORMATION

Fixture Use Time - With this function, you can check the fixture running time.

1. Access the main menu, and press the **UP** or **DOWN** buttons so that “**Fixture Information**” is highlighted, then press **ENTER**.
2. Press the **UP** or **DOWN** buttons until “**Fixture Use Time**” is displayed, and press **ENTER**. The fixture running time will now be displayed.
3. Press the **MENU** button to return to the main menu.

Temperature - With this function, you can check the fixture temperature.

1. Access the main menu, and press the **UP** or **DOWN** buttons so that “**Fixture Information**” is highlighted, then press **ENTER**.
2. Press the **UP** or **DOWN** buttons until “**Temperature**” is displayed, and press **ENTER**. The current fixture temperature will now be displayed.
3. Press the **MENU** button to return to the main menu.

USB Upgrade File - This submenu is used for any future software updates. Contact ADJ customer service for help when updating software.

Firmware Version - With this function, you can check the current firmware version.

1. Access the main menu, and press the **UP** or **DOWN** buttons so that “**Fixture Information**” is highlighted, then press **ENTER**.
2. Press the **UP** or **DOWN** buttons until “**Firmware Version**” is displayed, and press **ENTER**. The current firmware version will now be displayed.
3. Press the **MENU** button to return to the main menu.

SYSTEM MENU

ERROR LOGS

Fixture Errors - Displays log of recent errors.

Reset Error Log - Clear and reset error log by selecting “Yes.” **Passcode = 050**. Select “No” to return to the previous menu without making any changes.

RESET FUNCTIONS

Pan & Tilt - With this function, you can reset the pan & tilt motors.

1. Access the main menu, and press the **UP** or **DOWN** buttons so that “**Reset Functions**” is highlighted, then press **ENTER**.
2. Press the **UP** or **DOWN** buttons until “**Pan & Tilt**” is displayed, and press **ENTER**.
3. Use the **UP** or **DOWN** buttons to switch between “**No**” or “**Yes**”. To reset the pan & tilt motors, select “**Yes**” and press **ENTER**.

Effect - With this function, you can reset the effect motors.

1. Access the main menu, and press the **UP** or **DOWN** buttons so that “**Reset Functions**” is highlighted, then press **ENTER**.
2. Press the **UP** or **DOWN** buttons until “**Effects**” is displayed, and press **ENTER**.
3. Use the **UP** or **DOWN** buttons to switch between “**No**” or “**Yes**”. To reset the effects motors, select “**Yes**” and press **ENTER**.

All - With this function, you can reset all of the motors.

1. Access the main menu, and press the **UP** or **DOWN** buttons so that “**Reset Functions**” is highlighted, then press **ENTER**.
2. Press the **UP** or **DOWN** buttons until “**All**” is displayed, and press **ENTER**.
3. Use the **UP** or **DOWN** buttons to switch between “**No**” or “**Yes**”. To reset all of the motors, select “**Yes**” and press **ENTER**.

SPECIAL FUNCTIONS

Factory Setting - Within this menu, you can reset the fixture to factory settings.

1. Access the main menu, and press the **UP** or **DOWN** buttons so that “**Special Functions**” is highlighted, then press **ENTER**.
2. “**Factory Setting**” will now be displayed, and press **ENTER**.
3. To reset the fixture to factory settings, use the **UP** or **DOWN** buttons to “**Yes**” and press **ENTER**. If you do not wish to reset to factory settings, highlight “**No**” and press **ENTER**.

WDMX (WIFLY) SETUP

With this feature you are able to control the unit with DMX without the need of XLR cables. Your DMX controller must be connected to a ADJ WiFly TransCeiver or have WiFly wireless DMX remote to use this function. You are able to communicate up to 2500 feet/760 meters (open line of sight).

1. Follow the instructions on page 30 to activate WiFly and set the Wireless address. The address must match the address set on the WiFly Transceiver.
2. After you have set the WiFly address, follow the DMX instructions to select your desired DMX Channel mode and set your DMX address.
3. Apply power to the ADJ WiFly Transceiver. The fixture must be set up first before you apply power to WiFly Transceiver.

Note: If the sync does not work, switch the WiFly power off then on again.

OFFSET MENU



NOTE: ONLY QUALIFIED TECHNICIANS SHOULD PERFORM THIS FUNCTION

This function allows small adjustments to be made to the multiple fixture settings to compensate for movement misalignment, and/or when a sensor has been knocked slightly out of position. Improper use of this function can result in undesired operation of this fixture compared to others being used at the same time. Because this can be an extremely detailed procedure, careful consideration must be used before making any changes. Please contact our customer support team for step-by-step instructions and guidance.

MAIN MENU	SUB MENU	OPTIONS / VALUES	DESCRIPTION
OFFSET MENU	Pan	-128,...,127	
	Tilt	-128,...,127	
	Cyan	-128,...,127	
	Magenta	-128,...,127	
	Color	-128,...,127	
	Gobo1	-128,...,127	
	R Gobo1	-128,...,127	
	Gobo2	-128,...,127	
	Prism1	-128,...,127	
	R Prism1	-128,...,127	
	Prism2	-128,...,127	
	R Prism2	-128,...,127	
	Iris	-128,...,127	
	Frost	-128,...,127	
	Focus	-128,...,127	
	Zoom	-128,...,127	
	Dimmer	-128,...,127	

To enter the Offset Menu, press the ENTER button for at least 3-seconds.

Pan - Adjustment of the pan home position.

1. Press the **ENTER** button for at least 3-seconds, then press the **UP** or **DOWN** buttons so “**Pan**” is displayed; press **ENTER**.
2. Use the **UP** and **DOWN** buttons to make your adjustments, and then press **ENTER** to confirm. Press the **MENU** button for one second to exit.

Tilt - Adjustment of the tilt home position.

1. Press the **ENTER** button for at least 3 seconds, then press the **UP** or **DOWN** buttons so “**Tilt**” is displayed, press **ENTER**.
2. Use the **UP** and **DOWN** buttons to make your adjustments, and then press **ENTER** to confirm. Press the **MENU** button for one second to exit.

Cyan - Setting adjustment for cyan color disc.

1. Press the **ENTER** button for at least 3 seconds, then press the **UP** or **DOWN** buttons so “**Cyan**” is displayed, press **ENTER**.
2. Use the **UP** and **DOWN** buttons to make your adjustments, and then press **ENTER** to confirm. Press the **MENU** button for one second to exit.

Magenta - Setting adjustment for magenta color disc.

1. Press the **ENTER** button for at least 3 seconds, then press the **UP** or **DOWN** buttons so “**Magenta**” is displayed, press **ENTER**.
2. Use the **UP** and **DOWN** buttons to make your adjustments, and then press **ENTER** to confirm. Press the **MENU** button for one second to exit.

OFFSET MENU

Yellow - Setting adjustment for Yellow color disc.

1. Press the **ENTER** button for at least 3-seconds, then press the **UP** or **DOWN** buttons so “**Yellow**” is displayed, press **ENTER**.
2. Use the **UP** and **DOWN** buttons to make your adjustments, and then press **ENTER** to confirm. Press the **MENU** button for one second to exit.

Color - Setting adjustment for color wheel.

1. Press the **ENTER** button for at least 3-seconds, then press the **UP** or **DOWN** buttons so “**Color**” is displayed, press **ENTER**.
2. Use the **UP** and **DOWN** buttons to make your adjustments, and then press **ENTER** to confirm. Press the **MENU** button for one second to exit.

Gobo1 - Setting adjustment for gobo wheel 1 (glass gobo wheel).

1. Press the **ENTER** button for at least 3-seconds, then press the **UP** or **DOWN** buttons so “**Gobo1**” is displayed, press **ENTER**.
2. Use the **UP** and **DOWN** buttons to make your adjustments, and then press **ENTER** to confirm. Press the **MENU** button for one second to exit.

R Gobo1 - Setting adjustment for the gobo rotation in gobo wheel 1 (glass gobo wheel).

1. Press the **ENTER** button for at least 3-seconds, then press the **UP** or **DOWN** buttons so “**R Gobo1**” is displayed, press **ENTER**.
2. Use the **UP** and **DOWN** buttons to make your adjustments, and then press **ENTER** to confirm. Press the **MENU** button for one second to exit.

Gobo2 - Setting adjustment for gobo wheel 2.

1. Press the **ENTER** button for at least 3 seconds, then press the **UP** or **DOWN** buttons so “**Gobo2**” is displayed, press **ENTER**.
2. Use the **UP** and **DOWN** buttons to make your adjustments, and then press **ENTER** to confirm. Press the **MENU** button for one second to exit.

Prism1 - Setting adjustment for the 1st prism.

1. Press the **ENTER** button for at least 3 seconds, then press the **UP** or **DOWN** buttons so “**Prism1**” is displayed, press **ENTER**.
2. Use the **UP** and **DOWN** buttons to make your adjustments, and then press **ENTER** to confirm. Press the **MENU** button for one second to exit.

R Prism1 - Setting adjustment for the prism 1 rotation.

1. Press the **ENTER** button for at least 3 seconds, then press the **UP** or **DOWN** buttons so “**R Prism1**” is displayed, press **ENTER**.
2. Use the **UP** and **DOWN** buttons to make your adjustments, and then press **ENTER** to confirm. Press the **MENU** button for one second to exit.

Prism2 - Setting adjustment for the 2nd prism.

1. Press the **ENTER** button for at least 3 seconds, then press the **UP** or **DOWN** buttons so “**Prism2**” is displayed, press **ENTER**.
2. Use the **UP** and **DOWN** buttons to make your adjustments, and then press **ENTER** to confirm. Press the **MENU** button for one second to exit.

R Prism2 - Setting adjustment for the prism 2 rotation.

1. Press the **ENTER** button for at least 3 seconds, then press the **UP** or **DOWN** buttons so “**R Prism2**” is displayed, press **ENTER**.
2. Use the **UP** and **DOWN** buttons to make your adjustments, and then press **ENTER** to confirm. Press the **MENU** button for one second to exit.

OFFSET MENU

Iris - Setting adjustment for the iris.

1. Press the **ENTER** button for at least 3-seconds, then press the **UP** or **DOWN** buttons so “**Iris**” is displayed, press **ENTER**.
2. Use the **UP** and **DOWN** buttons to make your adjustments, and then press **ENTER** to confirm. Press the **MENU** button for one second to exit.

Frost - Setting adjustment for the frost filter.

1. Press the **ENTER** button for at least 3-seconds, then press the **UP** or **DOWN** buttons so “**Frost**” is displayed, press **ENTER**.
2. Use the **UP** and **DOWN** buttons to make your adjustments, and then press **ENTER** to confirm. Press the **MENU** button for one second to exit.

Focus - Setting adjustment for the focus.

1. Press the **ENTER** button for at least 3-seconds, then press the **UP** or **DOWN** buttons so “**Focus**” is displayed, press **ENTER**.
2. Use the **UP** and **DOWN** buttons to make your adjustments, and then press **ENTER** to confirm. Press the **MENU** button for one second to exit.

Zoom - Setting adjustment for the zoom.

1. Press the **ENTER** button for at least 3-seconds, then press the **UP** or **DOWN** buttons so “**Zoom**” is displayed, press **ENTER**.
2. Use the **UP** and **DOWN** buttons to make your adjustments, and then press **ENTER** to confirm. Press the **MENU** button for one second to exit.

Dimmer - Setting adjustment for the dimmer.

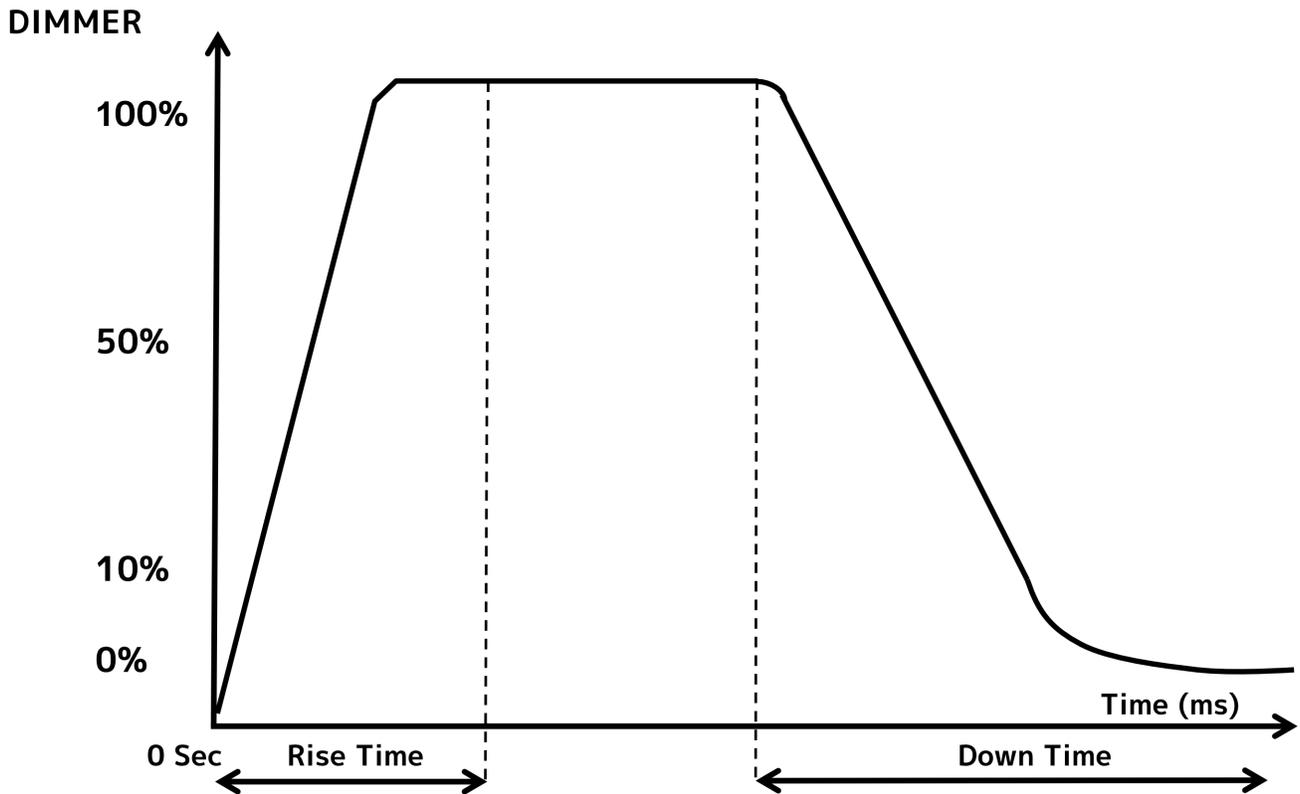
1. Press the **ENTER** button for at least 3-seconds, then press the **UP** or **DOWN** buttons so “**Dimmer**” is displayed, press **ENTER**.
2. Use the **UP** and **DOWN** buttons to make your adjustments, and then press **ENTER** to confirm. Press the **MENU** button for one second to exit.

ERROR CODES

Error Code
CPU-B/C/D/E ERROR
Pan :Reset Error/Encoder Error/
Tilt: Reset Error/Encoder Error
Color Reset Error
Cyan Reset Error
Magenta Reset Error
Yellow Reset Error
Gobo1 Reset Error
RGobo1 Reset Error
Gobo2 Reset Error
Prism1 Reset Error
RPrism1 Reset Error
Prism2 Reset Error
RPrism2 Reset Error
Focus Reset Error
Zoom Reset Error

DIMMING CURVES

The fixture includes 6 different dimming curve modes which can be selected from either the system menu or via DMX. The graph below provides details on each dimming curve mode.



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

DMX CHANNELS / VALUES / FUNCTIONS

Features subject to change without notice

Rotation direction (Clockwise/Counter-Clockwise) and control of effects depends on head orientation and Pan/Tilt settings

MODE / CHANNEL			VALUE	FUNCTION
Basic (24)	Standard (26)	Extended (38)		
1	1	1	0-255	Pan Movement buy 540°
	2	2	0-255	Pan Movement Fine (16 bit)
2	3	3	0-255	Tilt Movement buy 270°
	4	4	0-255	Tilt Movement Fine (16 bit)
3	5	5		Color Wheel
			0-6	Open
			7-12	Red
			13-18	Light Green
			19-25	Pink
			26-31	Orange
			32-37	CTB
			38-44	CTO
			45-50	UV
			51-56	Green
			57-63	Light Blue
			64-127	Color Indexing
			128-190	Clockwise Scroll Fast - Slow
			191-192	Stop
		193-255	Counter-Clockwise Scroll Slow - Fast	
		6	0-255	Color Wheel Fine Color Wheel Change to Any Position
4	6	7	0-255	Cyan 0-100%
		8	0-255	Cyan Fine 0-100%
5	7	9	0-255	Magenta 0-100%
		10	0-255	Magenta Fine 0-100%
6	8	11	0-255	Yellow 0-100%
		12	0-255	Yellow Fine 0-100%
7	9	13		Rotating Gobos (Gobo Wheel 1)
			0-7	Open
			8-15	Rotating Gobo 1
			16-23	Rotating Gobo 2
			24-31	Rotating Gobo 3
			32-39	Rotating Gobo 4
			40-47	Rotating Gobo 5
			48-55	Rotating Gobo 6
			56-63	Rotating Gobo 7
			64-72	Rotating Gobo 1 Shake
			73-81	Rotating Gobo 2 Shake
			82-90	Rotating Gobo 3 Shake
			91-99	Rotating Gobo 4 Shake
			100-108	Rotating Gobo 5 Shake
			109-117	Rotating Gobo 6 Shake
			118-127	Rotating Gobo 7 Shake
			128-190	Clockwise Scroll Fast - Slow
			191-192	Stop
		193-255	Counter-Clockwise Scroll Slow-Fast	
8	10	14		Rotating Gobo Indexing & Gobo Rotation
			0-127	Gobo Indexing 0-360
			128-190	Clockwise Rotation Fast - Slow
			191-192	Stop
			193-255	Counter-Clockwise Rotation Slow - Fast
		15	0-255	Rotating Gobo Fine Indexing

DMX CHANNELS / VALUES / FUNCTIONS

Features subject to change without notice

Rotation direction (Clockwise/Counter-Clockwise) and control of effects depends on head orientation and Pan/Tilt settings

MODE / CHANNEL			VALUE	FUNCTION
Basic (24)	Standard (26)	Extended (38)		
9	11	16		Fixed Gobos (Gobo Wheel 2)
			0-6	Open
			7-12	Gobo 1
			13-18	Gobo 2
			19-25	Gobo 3
			26-31	Gobo 4
			32-37	Gobo 5
			38-44	Gobo 6
			45-50	Gobo 7
			51-56	Gobo 8
			57-63	Gobo 9
			64-70	Gobo 1 Shake Slow - Fast
			71-77	Gobo 2 Shake Slow - Fast
			78-84	Gobo 3 Shake Slow - Fast
			85-91	Gobo 4 Shake Slow - Fast
			92-98	Gobo 5 Shake Slow - Fast
			99-105	Gobo 6 Shake Slow - Fast
			106-112	Gobo 7 Shake Slow - Fast
			113-119	Gobo 8 Shake Slow - Fast
120-127	Gobo 9 Shake Slow - Fast			
	128-190	Clockwise Wheel Rotation Fast - Slow		
	191-192	Stop		
	193-255	Counter-Clockwise Wheel Rotation Slow - Fast		
	17	0-255	Fixed Gobo Fine Indexing	
10	12	18		Prism 1 (Linear)
			0-10	No Effect
			11-127	On
			128-255	Macro 1-32
11	13	19		Prism 1 Rotation
			0-127	Prism Indexing
			128-190	Clockwise Rotation Fast - Slow
			191-192	No Rotation
		20	193-255	Counter-Clockwise Rotation Slow - Fast
12	14	21		Prism 1 Fine Indexing
				Prism 2 (3 Facet)
			0-127	No Effect
			128-255	On
13	15	22		Prism 2 Rotation
			0-127	Prism Indexing
			128-190	Clockwise Rotation Fast - Slow
			191-192	No Rotation
			193-255	Counter-Clockwise Rotation Slow - Fast
		23	0-255	Prism 2 Fine Indexing
14	16	24	0-255	Focus Continuous Adjustment From Near - Far
			25	0-255
15	17	26	0-255	Zoom (Wide to Narrow) Zoom Adjustment From Small - Large
				27
16	18	28		Shutter & Strobe
			0-31	Shutter Closed
			32-63	Shutter Open
			64-95	Strobe Effect Slow - Fast
			96-127	Shutter Open
			128-159	Pulse Effect
			160-191	Shutter Open
			192-223	Random Strobe Effect Slow - Fast
			224-255	Shutter Open

DMX CHANNELS / VALUES / FUNCTIONS

Features subject to change without notice

Rotation direction (Clockwise/Counter-Clockwise) and control of effects depends on head orientation and Pan/Tilt settings

MODE / CHANNEL			VALUE	FUNCTION
Basic (24)	Standard (26)	Extended (38)		
17	19	29		Master Dimmer 0-100%
		30		Fine Master Dimmer 0-100%
18	20	31		Iris
				Maximum Diameter to Minimum Diameter
				Pulse Closing Fast - Slow
				Pulse Opening Slow - Fast
		32		Fine Iris
19	21	33		Frost 0-100%
20	22	34		CMY Speed & Color Macro Speed Fast - Slow
21	23	35		Pan/Tilt Movement Speed Fast - Slow
22	24	36		Color Macro
			0-7	Off
			8-15	Macro 1
			16-23	Macro 2
			24-31	Macro 3
			32-39	Macro 4
			40-47	Macro 5
			48-55	Macro 6
			56-63	Macro 7
			64-71	Macro 8
			72-79	Macro 9
			80-87	Macro 10
			88-95	Macro 11
			96-103	Macro 12
			104-111	Macro 13
			112-119	Macro 14
			120-127	Macro 15
			128-135	Macro 16
			136-143	Macro 17
			144-151	Macro 18
			152-159	Macro 19
			160-167	Macro 20
			168-175	Macro 21
			176-183	Macro 22
			184-191	Macro 23
			192-199	Macro 24
			200-207	Macro 25
208-215	Macro 26			
216-223	Macro 27			
224-231	Macro 28			
232-239	Macro 29			
240-247	Macro 30			
248-255	Random CMY			
23	25	37		Dimmer Modes
			0-20	Standard
			21-40	Stage
			41-60	TV
			61-80	Architectural
			81-100	Theater
		101-255	Default To Unit Setting	

DMX CHANNELS / VALUES / FUNCTIONS

Features subject to change without notice

Rotation direction (Clockwise/Counter-Clockwise) and control of effects depends on head orientation and Pan/Tilt settings

MODE / CHANNEL			VALUE	FUNCTION
Basic (21)	Standard (25)	Extended (29)		
24	26	38		Special Functions
			0-69	Nothing
			70-79	Enable Blackout with Pan/Tilt Movement
			80-89	Disable Blackout with Pan/Tilt Movement
			90-99	Enable Blackout with Color Wheel Movement
			100-109	Disable Blackout with Color Wheel Movement
			110-119	Enable Blackout with Gobo Wheel Movement
			120-129	Disable Blackout with Gobo Wheel Movement
			130-139	Focus Compensate Disable
			140-149	Focus Compensate Near
			150-159	Focus Compensate Medium
			160-169	Focus Compensate Far
			170-199	Nothing
			200-209	Reset All
			210-219	Reset Effect
			220-229	Reset Pan/Tilt Motors
	230-255	Nothing		

SPECIFICATIONS

Light Source:

- 300W Cool White LED Engine
- 50,000 Hour Average LED Life

Color:

- Color Wheel: 9 + Open (Including: CTO 3200K & UV)
- Full CMY Color Mixing

GOBOs:

- GOBO Wheel 1: 8 Fixed + Open (1 Beam Reducers Beam Mode)
- GOBO Wheel 2: 6 Rotating/Replaceable + Open (Size: 26.8mm; Viewable: 20mm)
- Modular design for easy servicing and GOBO replacement

Effects:

- Zoom Range: 8 ~ 46-degrees
- Iris: Motorized 5-100%
- Focus: Motorized
- Frost effect
- Prism 1: Rotating 3-facet Circular
- Prism 2: Rotating 6-facet Linear Rotating
- Prism Layering

Connections:

- Power Input: Locking Power IN connection
- Power Pass through: Locking Power IN connection @120V or 220V
- USB firmware update port
- With Wired Digital Communication Network

Control:

- Built-in WiFLY EXR wireless DMX (up to 2500 ft. / 700M line of sight)
- Control Channels: 21, 24 or 26
- DMX Modes: 3, RDM (Remote Device Management)
- Control: 3-pin and 5-pin DMX
- Full color display menu
- Pan / Tilt Correction: Automatic
- Pan / Tilt Lock
- Pan / Tilt Range: 540° / 270°
- Fine Tilt
- Pan/Tilt Speed: Fast to Slow
- Dimming & Fine Dimming: Electronic

Electrical:

- Input Voltage: 100-240V 50Hz/60Hz (Auto Sensing)
- Daisy chain max: 3 fixtures (@120V); 7 fixtures (@230V)
- Power Draw: 398W (3.31A @ 120V; 1.8A @ 220V)

Dimensions/Weight:

- Dimensions (LxWxH): 12.8" x 14.9" x 24.3" / 325 x 378 x 618mm
- Weight: 51 lbs. / 23 kg.

Approvals / Ratings:

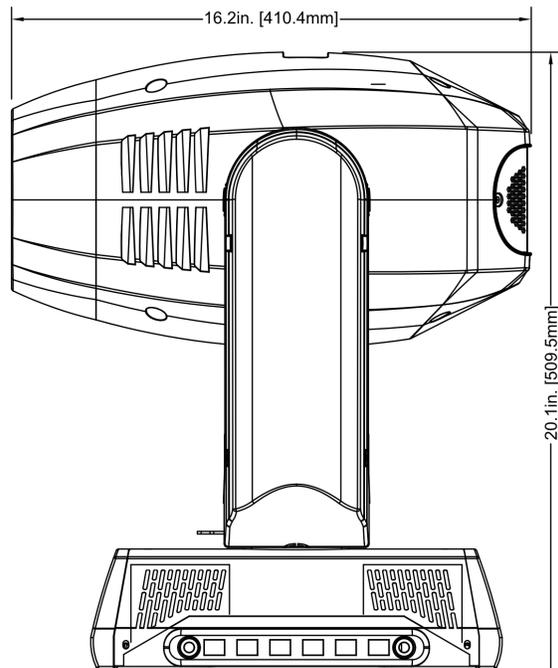
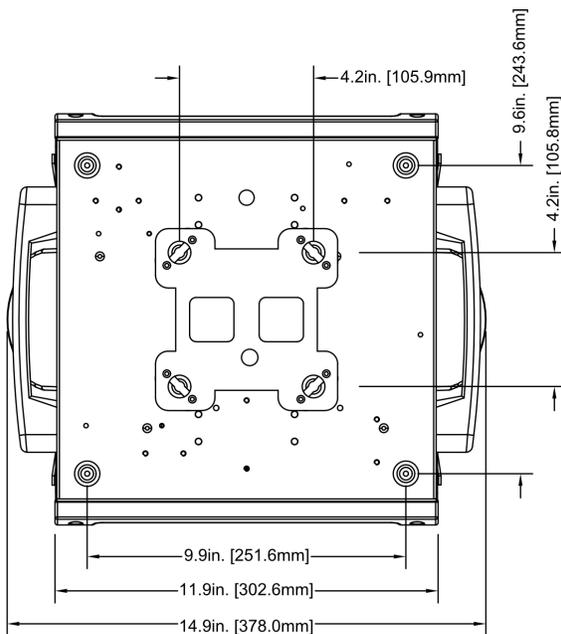
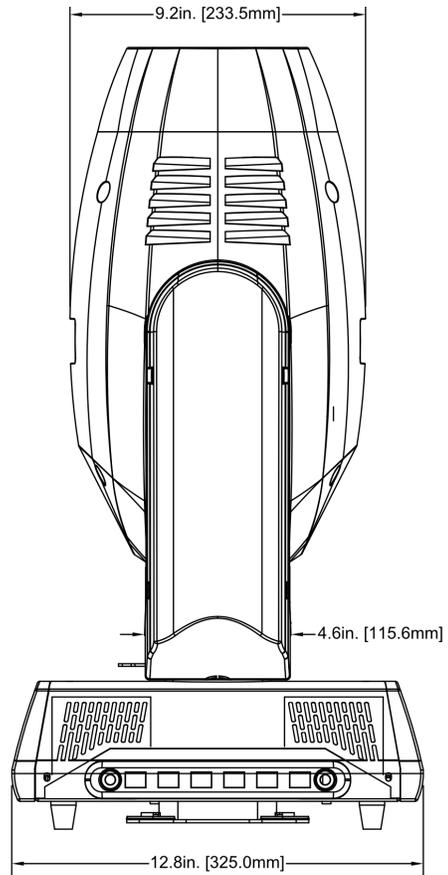
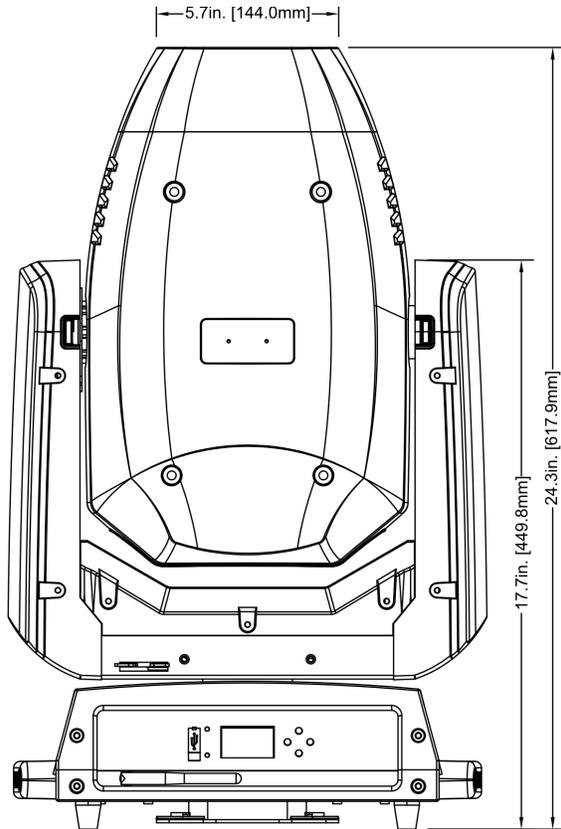
- ETL Approved



Intertek
4000358

DIMENSION DRAWINGS

Dimensions not to scale



FCC STATEMENT

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

FCC RADIO FREQUENCY INTERFERENCE WARNINGS & INSTRUCTIONS

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

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

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!



