# VIZI BEAM 5RX
## User Guide

## 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**

| Date | Software Version | DMX Channels | Notes |
|---|---|---|---|
| 04/04/15 | 1.0 | 16/19 | Initial Release |
| 01/19/22 | N/C | N/C | Added Lamp Replacement Warning Information |
| 05/06/22 | N/C | N/C | Updated System Menu |
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| | | | |
| | | | |

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Please see **Important Discharge Lamp Warning** section for lamp instructions!

Warning! This fixture can start a fire!
Please read **Safety Guidelines** before installing or operating!

# 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@americandj.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.
- **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.
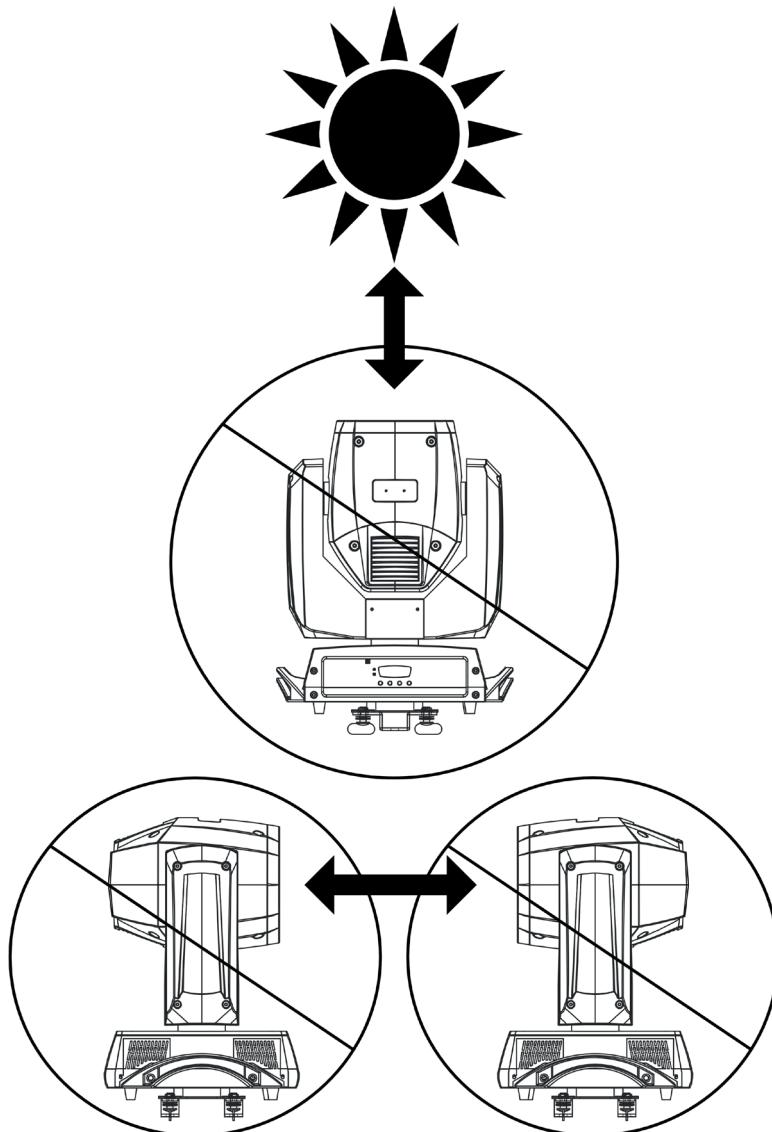
# SAFETY GUIDELINES

**POTENTIAL INTERNAL FIXTURE DAMAGE FROM EXTERNAL SOURCES OF LIGHT BEAMS**
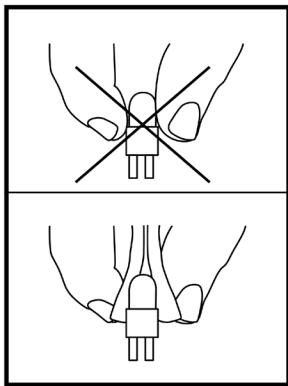
External sources of light beams from direct sunlight, lighting moving head fixtures, and lasers, which are focused directly towards the exterior housing and/or penetrate the front lens opening of ADJ lighting fixtures, can cause severe internal damage including burning to optics, dichroic color filters, 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.**

# DISCHARGE LAMP SAFETY GUIDELINES

This fixture is fitted with a discharge lamp which is highly susceptible to damage if improperly handled. **Never touch the lamp with your bare fingers, as the oil from your hands will shorten lamp life.** Also, never move the fixture until the lamps have had ample time to cool. Remember, lamps are not covered under warranty conditions.

This unit emits intense UV radiation which is harmful to the eyes and skin. The intense light output of the lamp can cause severe damage to the retina. Never operate this unit without the covers in place, as these covers have been specially designed to shield against UV radiation.

**Epilepsy Warning:** Those suffering from epilepsy should avoid looking directly into the lamp at all times.

Avoid switching the fixture on and off repeatedly in short intervals, as this will reduce lamp life and intensity.

To achieve the intensity associated with discharge lamps, these lamps use gas sealed in a high pressure environment to emit a brilliant output. Due to the high pressure involved in the operation of the lamp, the lamp may explode if subjected to prolonged, extensive use. This risk is increased with age, and therefore added care is required when dealing with older lamps. Extreme caution should be used when operating this or any fixture fitted with a gas discharge lamp. Never open this unit while in use.

**VERY IMPORTANT:** This notice pertains to your personal safety as well as the preservation of the fixture. The Philips® Platinum 5R Discharge lamp has a maximum lifetime of **3000 hours**. ADJ strongly recommends conducting periodic, regular checks of the lamp running time. When the lamp approaches the 3000 hour mark, it is strongly recommended to replace the lamp.

Replace the lamp following the instructions described in the **Lamp & Fuse Replacement** section of this manual. After replacing the lamp, you must clear the LAMP RUNNING TIME (see the **System Menu** section of this manual for details on this procedure).

**Warning: DO NOT exceed 3000 hours of run time on a lamp. Using the lamp any longer then the maximum rated lifetime could cause serious damage to the fixture.**

**WARNING! CAUTION! FIRE HAZARD! DUE TO THE EXTREME HEAT CAUSED BY THIS LAMP, THE MINIMUM DISTANCE TO LIGHTED OBJECTS IS 12 METERS (40FT).**

**Lamp replacement warning:**

- **"E1" is displayed at 2700 hours. Pressing ENTER resumes normal use.**
- **"E2" is displayed at 3000 hours, and the unit repositions to a neutral position (moving head is pointed upwards) with no flashing. Pressing ENTER resumes normal use.**
- **"E3" is displayed 3200 hours, but pressing ENTER gives the operator limited access to the display with no DMX control.**

# 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 ADJ service technician. Should you need any spare parts, please order genuine parts from your local ADJ dealer.

Please refer to the following points during routine inspections:
- A 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

**Warning:** If you continue to blow lamps or fuses, STOP using the unit. Contact customer support for further instructions, you may have to return the unit for servicing. Continuing to use the unit may cause serious damage.

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 open the fuse holder located underneath the power input socket. 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.**

# OVERVIEW



POWER AND
DMX SIGNAL
INPUT LEDs

LCD Display

3-Pin DMX In

3-Pin DMX Out

Power Switch

Power Cable In

Fuse: 250V/10A

# 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 **-13°F. (-45°C)** to **113°F. (45°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.
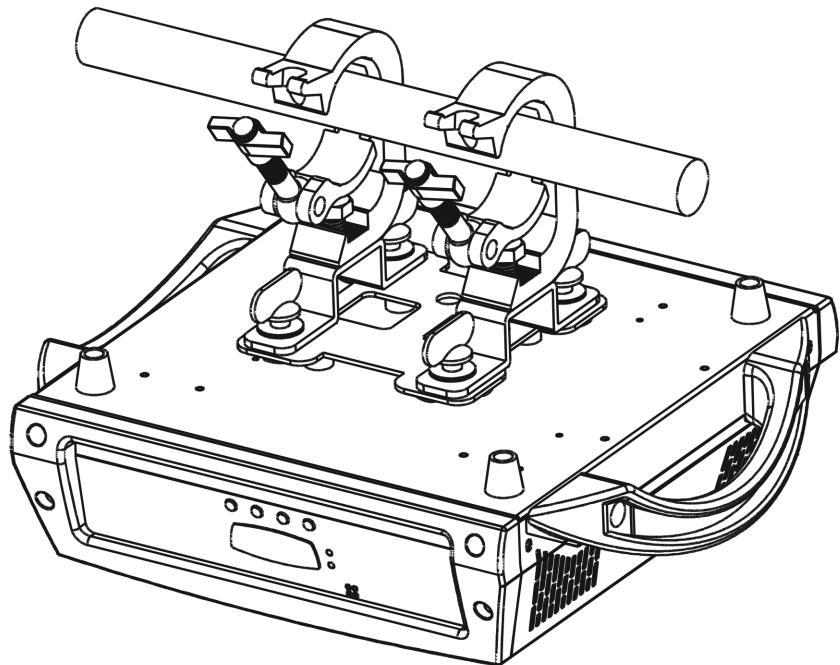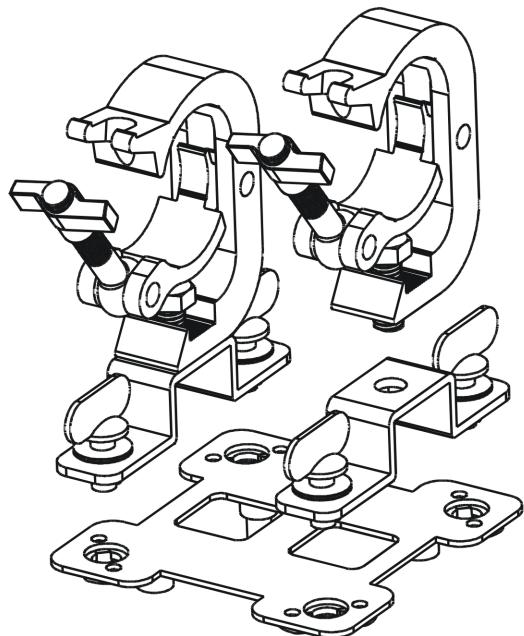
Overhead fixture installation must always be secured with a secondary safety attachment, such as an appropriately rated safety cable that can hold 10 times the weight of the fixture. Allow approximately 15 minutes for the fixture to cool down before serving.

## 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.
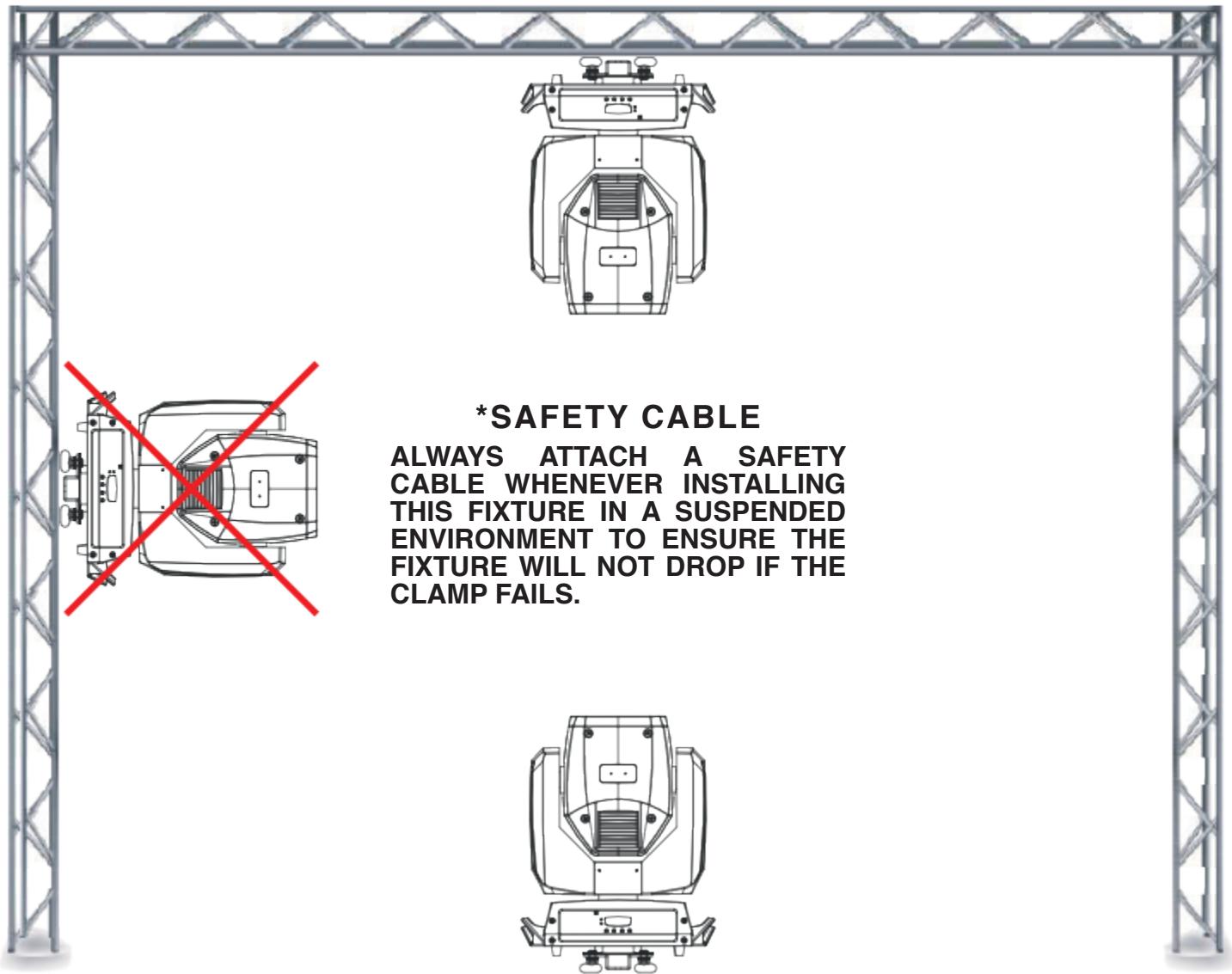
# INSTALLATION INSTRUCTIONS

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 Beam 5RX is fully operational in two different mounting positions: hanging upside-down from a ceiling or set on a flat level surface. To avoid internal damage to the unit, never mount the unit on its side, as illustrated above.

Be sure this fixture is kept at least 0.5m away from any flammable materials (decoration etc.). Always use and install an appropriately rated 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.

**NOTICE:** The suitable environmental temperature range for this fixture is -25° C to 45° C. Do not place this fixture in an environment where the temperatures fall outside of this range. This will allow the fixture to run at its best and help prolong the fixture life.

# LAMP REPLACEMENT

**Caution: Always replace with the lamp with the exact same type, unless otherwise specified by an authorized ADJ® service technician. Replacing it with anything other than the specified part can damage your unit and will void your manufactures warranty.**

**Caution! Never attempt to change the lamp while the fixture is plugged in. Always disconnect the main power and allow the unit to cool for 15 minutes before attempting to replace the lamp. Please see page 7 for important information regarding the discharge lamp. See the next pages for lamp replacement instructions. Be sure to follow the proper handling procedures that deal with discharge lamps.**
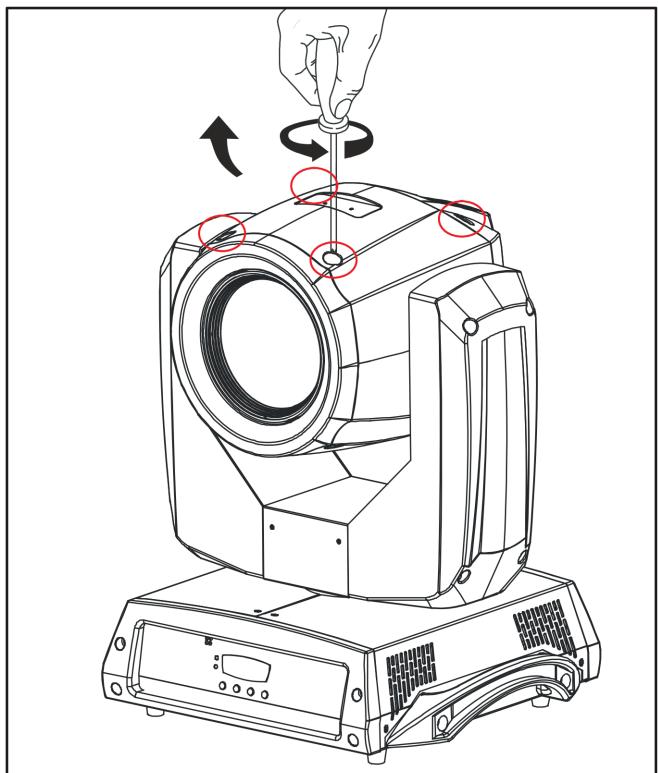
⚠    **Lamp replacement warning display:**
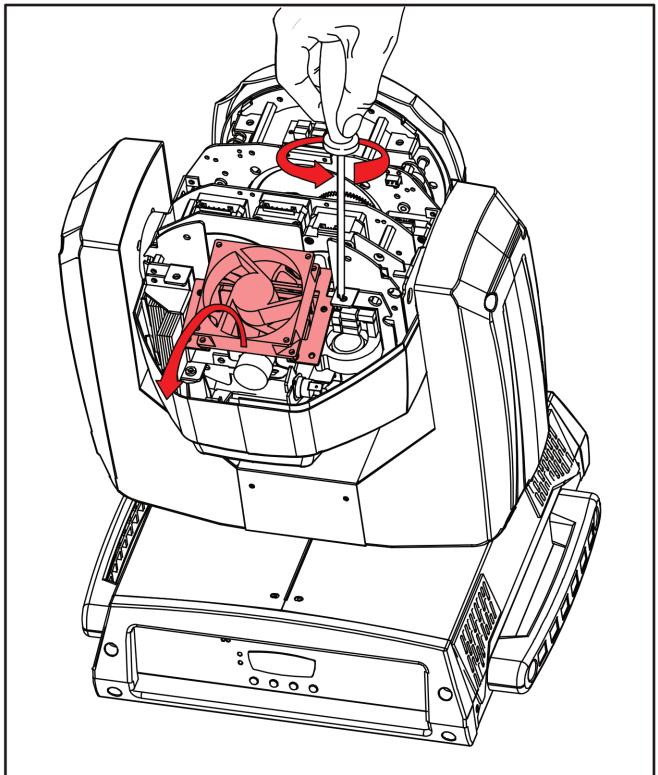
- **"E1" is displayed at 2700 hours. Pressing ENTER resumes normal use.**
- **"E2" is displayed at 3000 hours, and the unit repositions to a neutral position (moving head is pointed upwards) with no flashing. Pressing ENTER resumes normal use.**
- **"E3" is displayed 3200 hours, but pressing ENTER gives the operator limited access to the display with no DMX control.**

# LAMP REPLACEMENT

1. Use a screwdriver to unlock and remove the moving-head cover panel using a screwdriver.
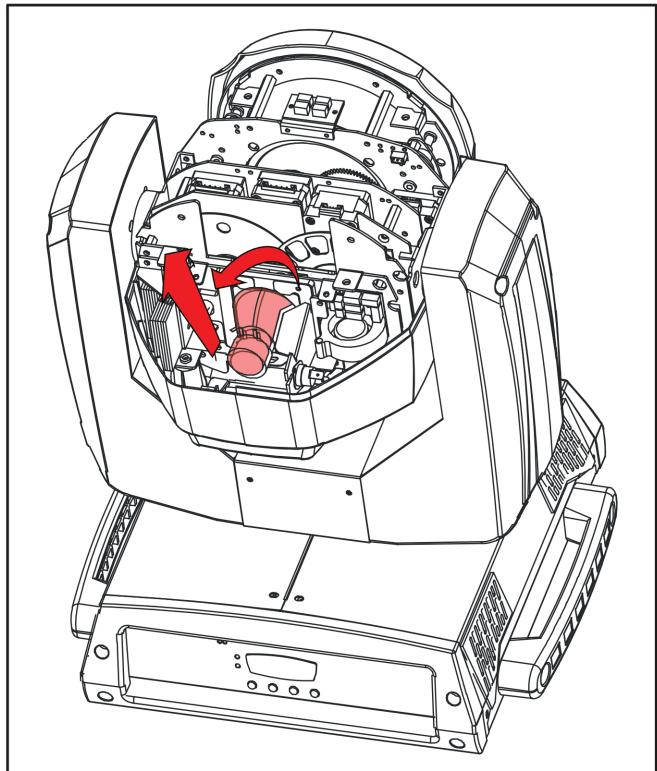
2. Ensure the moving head is horizontal as shown below, and remove the lamp cooling fan at the rear of the head.
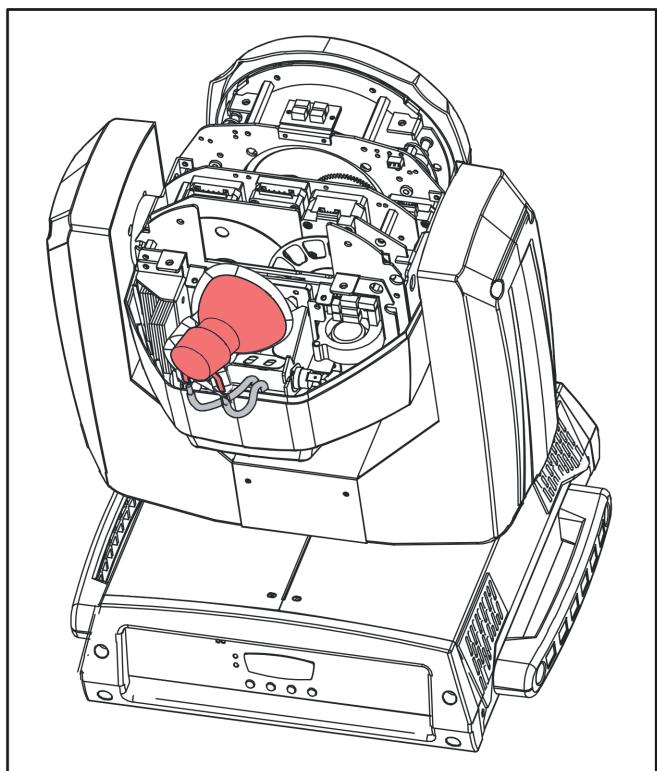
# LAMP REPLACEMENT

3. Lift the lamp out of its socket as show, and disconnect it.
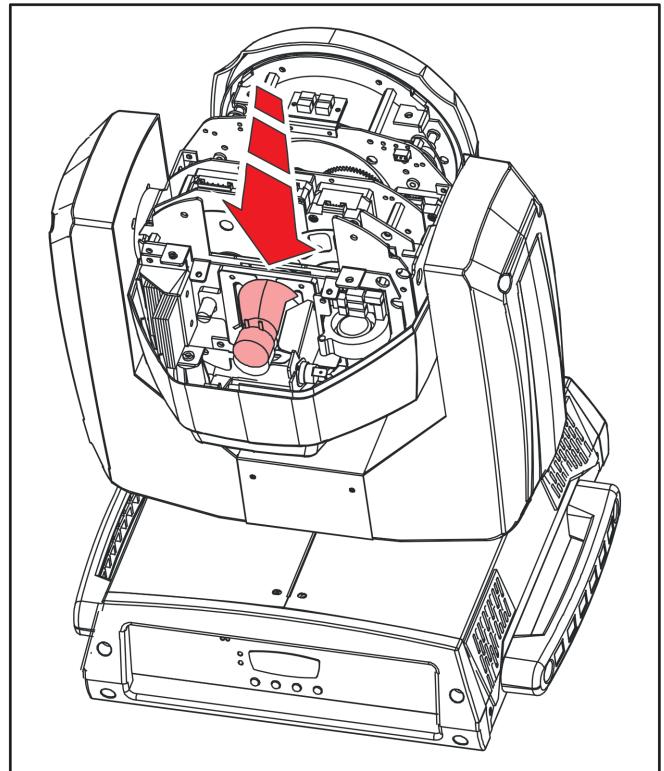
4. Connect the replacement lamp.
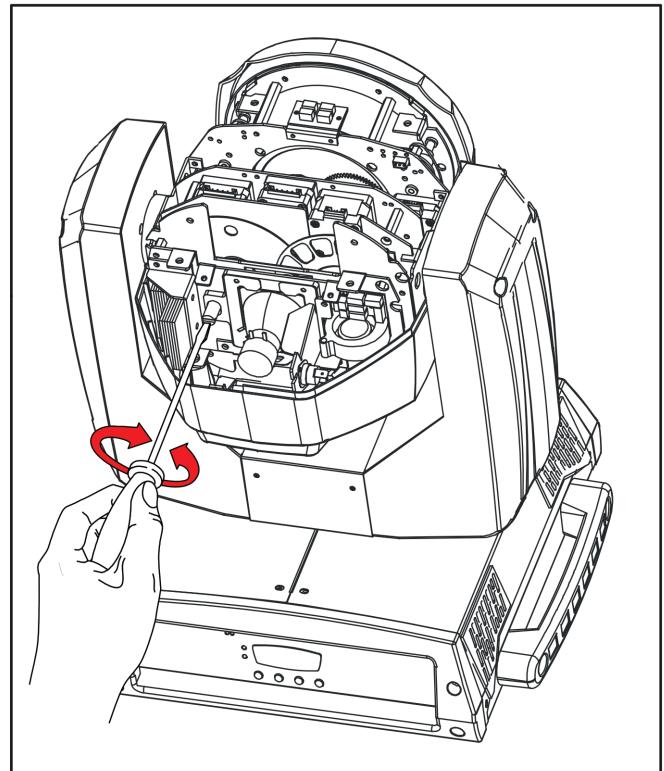
# LAMP REPLACEMENT

5. Place the new lamp into the lamp socket.



6. Adjust the lamp using a slotted screwdriver until it's centered.
7. Reinstall the fan, then replace and secure the head covers.
   **DO NOT connect to power until covers are installed.**

# SETUP

**Power Supply:** The ADJ® Vizi Beam 5RX contains a electronic ballast, which will auto sense the voltage when it is plugged into the power source. With the electronic ballast you do not need to worry about wall voltage, this unit can be plugged in anywhere.
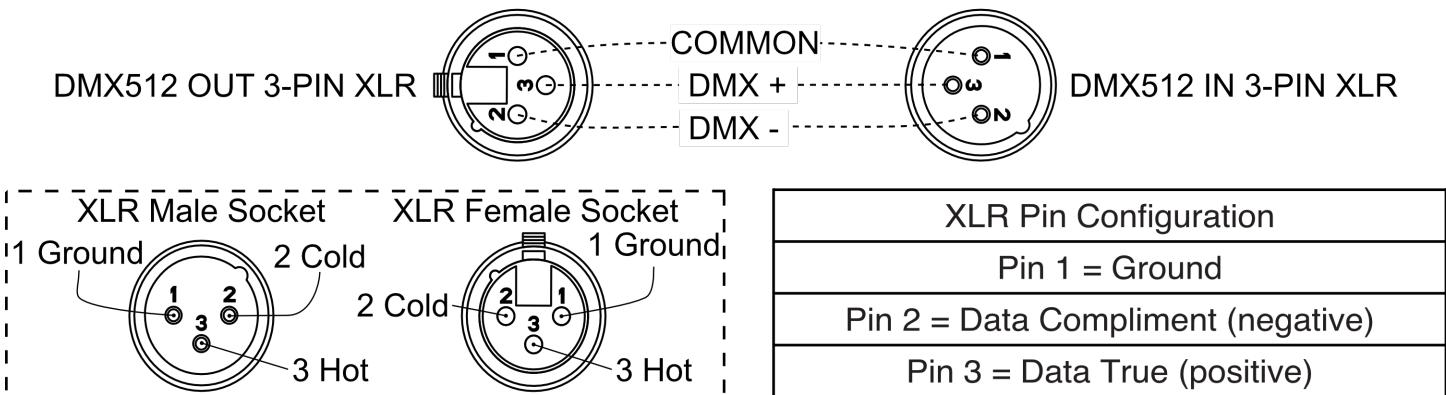
**DMX-512:** DMX is short for Digital Multiplex. This is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions from the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture 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 Standard DMX Operation or Primary/Secondary Operation):** The Vizi Beam 5RX can be controlled via DMX-512 protocol. The Vizi Beam 5RX can be either a 16 or 19 channel DMX unit. The DMX address is set electronically using the controls on the side panel of the unit. Your unit and your DMX controller require an approved DMX-512 110-Ohm Data cable for data input and data output as seen on the right. 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 professional sound and 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.
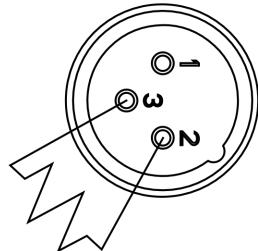
**Notice:** Be sure to follow the figures below when making your own cables. Do not use the ground lug on the XLR connector. Do not connect the shield of the cable conductor to the ground lug, or allow the shield conductor to come in contact with the outer casing of the XLR. Grounding the shield could cause a short circuit and erratic behavior.



DMX512 OUT 3-PIN XLR — COMMON — DMX + — DMX - — DMX512 IN 3-PIN XLR



XLR Male Socket    XLR Female Socket
1 Ground    2 Cold    1 Ground
2 Cold    3 Hot    3 Hot

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

# SETUP

## SPECIAL NOTE: LINE TERMINATION

When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behavior. A terminator is a 110-120 ohm 1/4 watt resistor, which is connected between pins 2 and 3 of a male XLR connector (DATA + and DATA -). This unit is inserted in the female XLR connector of the last unit in your daisy chain to terminate the line. Using a cable terminator (ADJ part number Z-DMX/T) will decrease the possibilities of erratic behavior.
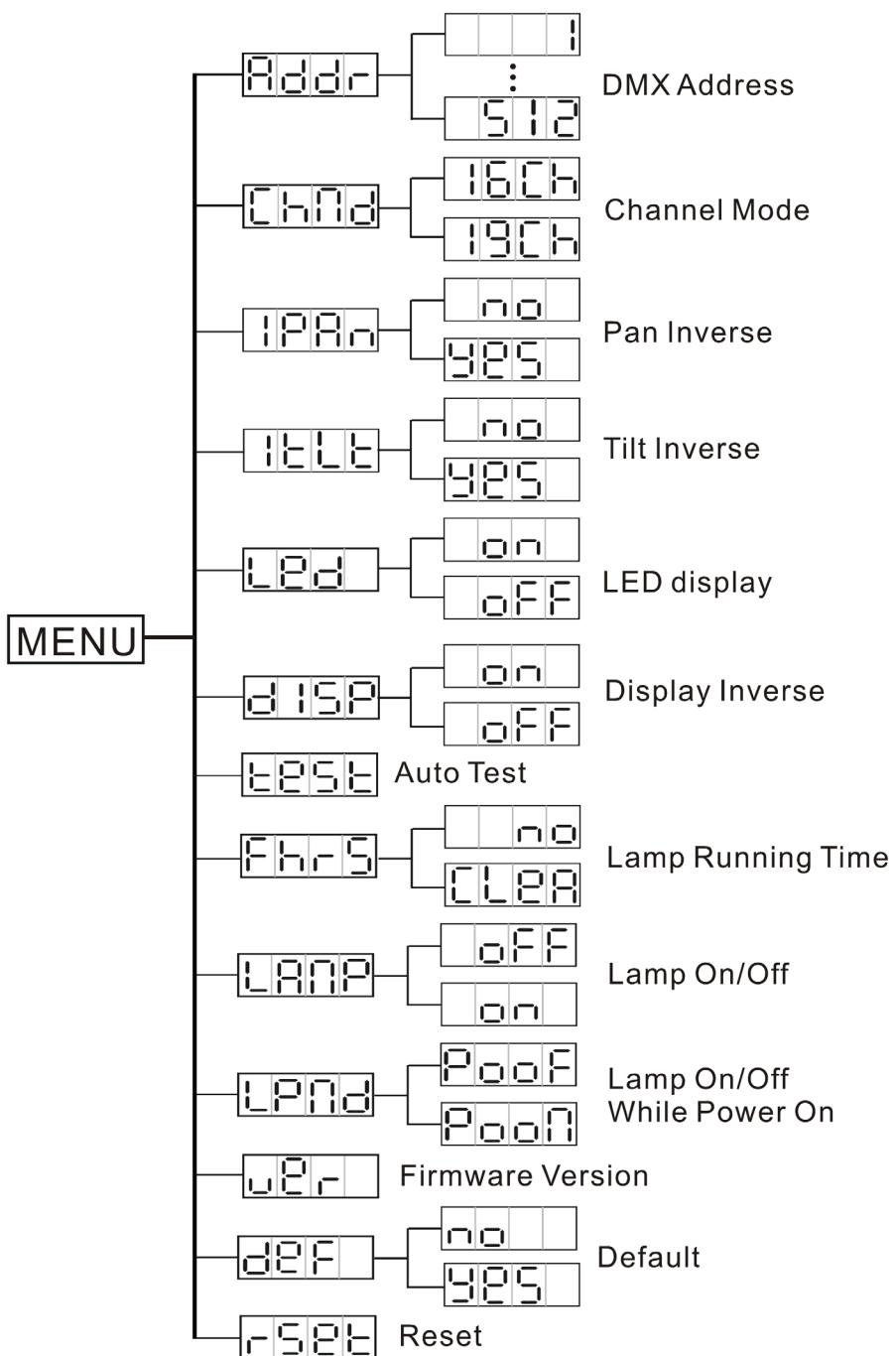
A DMX512 terminator reduces signal errors, avoiding most signal reflection interference. Connect PIN 2 (DMX-) and PIN 3 (DMX+) of the last fixture in series with a 120 Ohm, 1/4 W Resistor to terminate the DMX512.

**5-Pin XLR DMX Connectors.** The VIZI BEAM 5RX 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 |

# SYSTEM MENU

When making adjustments press **ENTER** to confirm your setup then press and hold the **MENU** button for at least **3 seconds**. 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.



| Menu | Options | Description |
|------|---------|-------------|
| Addr | 1 ... 512 | DMX Address |
| ChMd | 16Ch / 19Ch | Channel Mode |
| 1PAn | no / yes | Pan Inverse |
| 1tLt | no / yes | Tilt Inverse |
| Led | on / oFF | LED display |
| d1SP | on / oFF | Display Inverse |
| tESt | | Auto Test |
| FhrS | no / CLEA | Lamp Running Time |
| LAMP | oFF / on | Lamp On/Off |
| LPMd | PooF / PooN | Lamp On/Off While Power On |
| u2r | | Firmware Version |
| dEF | no / yes | Default |
| rSEt | | Reset |

# SYSTEM MENU

**ADDR - DMX Address Setting.**
1. Press the either the MENU, UP, or DOWN buttons until "ADDR" is displayed, then press ENTER.
2. The current address will now be displayed and flashing. Press the UP or DOWN buttons to find your desired address. Press ENTER to set your desired DMX address.

**CHND - This will let select your desired DMX channel mode.**
1. Press the MENU button until "CHND" is displayed, press ENTER. Either "16CH" or "19CH" will be displayed
2. Press the UP or DOWN buttons to find your desired DMX channel mode, and press ENTER to confirm and exit.

**IPAN - Pan Inversion**
1. Press the MENU button until "IPAN" is displayed, press ENTER. Either "Yes" or "No" will be displayed.
2. To activate the Pan inversion, press the UP or DOWN buttons until "Yes" is displayed, then press ENTER to confirm. To deactivate Pan inversion, select "No" and press Enter.

**ITLT - Tilt Inversion**
1. Press the MENU button until "ITLT" is displayed, press ENTER. Either "Yes" or "No" will be displayed.
2. To activate the tilt inversion, press the UP or DOWN buttons until "Yes" is displayed, then press ENTER to confirm. To deactivate tilt inversion, select "No" and press Enter.

**LED - With this function you can have the display backlight turn off after 10 seconds.**
1. Press the MENU button until "LED" is displayed, press ENTER.
2. The display will show either "ON" or "OFF". Press the UP or DOWN buttons to select "ON" to keep the LED display on at all times, or "OFF" to switch to have the LED display switch off after 10 seconds.
3. Press ENTER to confirm. To make you LED display reappear again press any button.

**DISP - This function will reverse the display 180°.**
1. Press the MENU button until "DISP" is displayed, press ENTER.
2. Press ENTER to "flip" the display. Press ENTER to "flip" it again. Press ENTER when you have made your desired setup.

**TEST - This function will run a self test program.**
1. Press the MENU button until "TEST" is displayed, press ENTER.
2. The fixture will now run a self test.

**FHRS - This serves two functions; displays the lamp running time and clears the lamp running time. The lamp running time needs to be cleared after a new lamp has been installed.**
1. Press the MENU button until "FHRS" is displayed, press ENTER.
2. The lamp running time will now be displayed. Press MENU to exit.
3. To clear the lamp running time, press the ENTER button when lamp running time is displayed. Either "NO" or "CLea" will be displayed.
4. Use the UP or DOWN buttons to select "CLea" and press ENTER. "0" should be flashing on the display. At this time, press the UP button until "50" is displayed, and press ENTER. The lamp running time will now be cleared. Press MENU to exit. You should clear the lamp running time every time you change the lamp.

# SYSTEM MENU

**LAMP - With this function you can turn the lamp on/off while the unit is still powered on.**

1. Press the MENU button until "LAMP" is displayed, press ENTER.
2. The display will show either "ON" or "OFF". Press the UP or DOWN buttons to select "ON" to keep the lamp on at all times, or "OFF" to turn the lamp off while the unit is still powered on.
3. Press ENTER to confirm.

**LPND - With this function you can turn the lamp on or off while the power is on.**

1. Press the MENU button until "LPND" is displayed, press ENTER.
2. The display will show either "ON" or "OFF". Press the UP or DOWN buttons to select "ON" to keep the lamp on at all times, or "OFF" to turn the lamp off while the unit is still powered on.
3. Press ENTER to confirm.

**VER - Use this function to display the Software version of the unit.**

1. Press the either the MENU button until "VER" is displayed,
2. press ENTER.
2. The display will show the software version.

**DEF - Use this function to revert back to the default settings.**

1. Press the either the MENU button until "deF" is displayed, press ENTER.
2. The display will show the software version.

**RSET - Use this function to reset the unit.**

1. Press the MENU button until "RSET" is displayed, press ENTER.
2. The fixture will now reset.


# DMX CONTROL

**Universal DMX Control:** This function allows you to use a universal DMX-512 controller. A DMX controller allows you to create unique programs tailored to your individual needs.

1. The Vizi Beam 5RX has 2 DMX channel modes, 16 channel mode and 19 channel mode.
2. To control your fixture in DMX mode, follow the setup procedures on pages 16-17, as well as the setup specifications that are included with your DMX controller.
3. Follow the System Menu instructions starting on page 18 to select your desired DMX channel mode, and to set the DMX address.
4. Use the controller's faders to control the various DMX fixture traits.
5. For longer cable runs (more than a 100 feet) use a terminator on the last fixture.
6. For help operating in DMX mode, consult the manual included with your DMX controller.
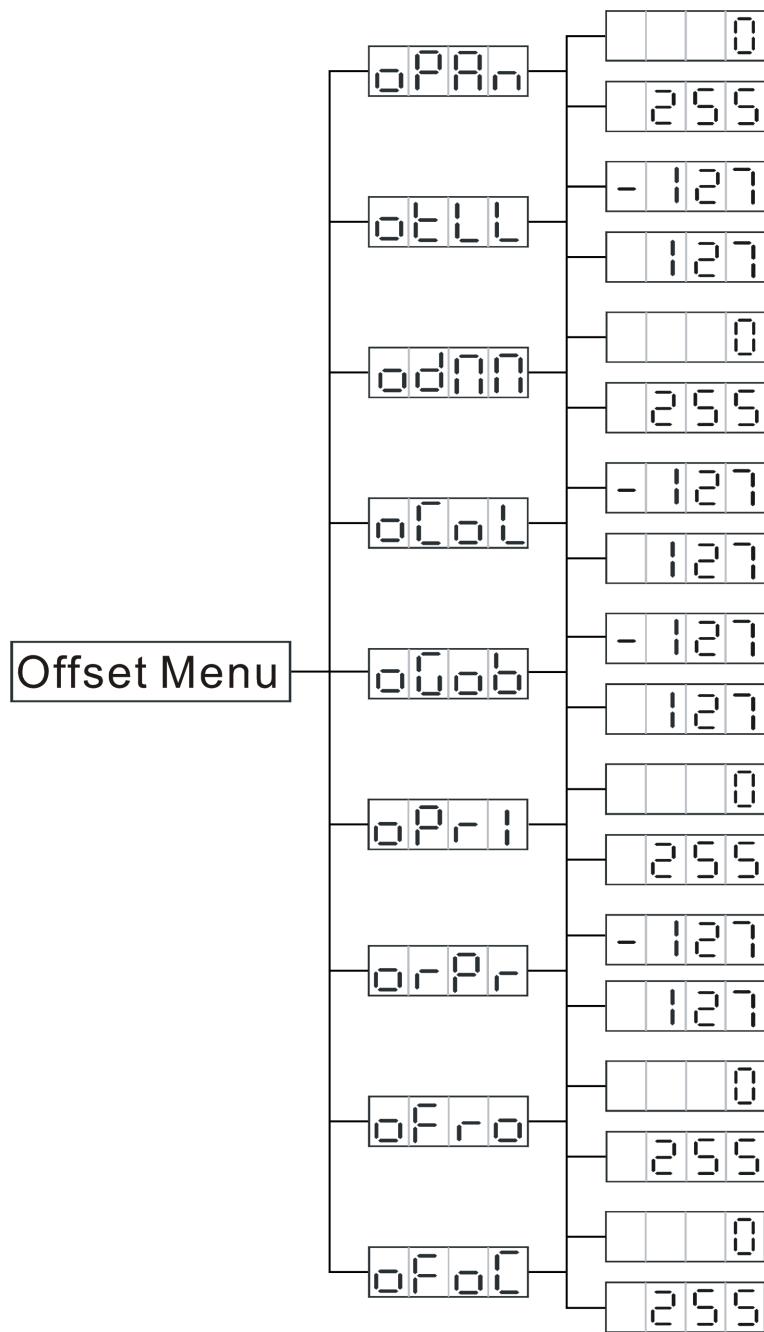
# OFFSET MENU

⚠️ **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.

To enter the **Offset Menu**, press the **ENTER** button for at least 3 seconds. In this submenu you are able to adjust the home position of the **Pan**, **Tilt**, **Color Wheel**, **Gobo Wheel**, **RGobo Wheel** (Rotating), **Prism**, **R Prism** (Rotating), and **Focus Position**.

| Offset Menu | | |
|---|---|---|
| oPAn | 0 | 255 |
| otLL | -127 | 127 |
| odNN | 0 | 255 |
| oCoL | -127 | 127 |
| oGob | -127 | 127 |
| oPrı | 0 | 255 |
| orPr | -127 | 127 |
| oFro | 0 | 255 |
| oFoC | 0 | 255 |

# OFFSET MENU

**OPAN - Adjustment of the pan home position.**
1. Press the *ENTER* button for at least 3 seconds, then press the **UP** or **DOWN** buttons so that "**oPAn**" is displayed, and 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.

**OTLL - Adjustment of the tilt home position.**
1. Press the **ENTER** button for at least 3 seconds, then press the **UP** or **DOWN** buttons so that "**otLL**" 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.

**ODNN - Setting adjustment for the color wheel.**
1. Press the **ENTER** button for at least 3 seconds, then press the **UP** or **DOWN** buttons so that "**odnn**" is displayed, and 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.

**OCOL - Setting adjustment for the color wheel.**
1. Press the **ENTER** button for at least 3 seconds, then press the **UP** or **DOWN** buttons so that "**oCoL**" is displayed, and 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.

**OGOB - Setting adjustment for the gobo wheel.**
1. Press the **ENTER** button for at least 3 seconds, then press the **UP** or **DOWN** buttons so that "**oGob**" is displayed, and 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.

**OPRI - Setting adjustment for the prism.**
1. Press the **ENTER** button for at least 3 seconds, then press the **UP** or **DOWN** buttons so that "**oPrI**" is displayed, and 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.

**ORPR - Setting adjustment for the rotating prism.**
1. Press the **ENTER** button for at least 3 seconds, then press the **UP** or **DOWN** buttons so that "**orPr**" is displayed, and 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.
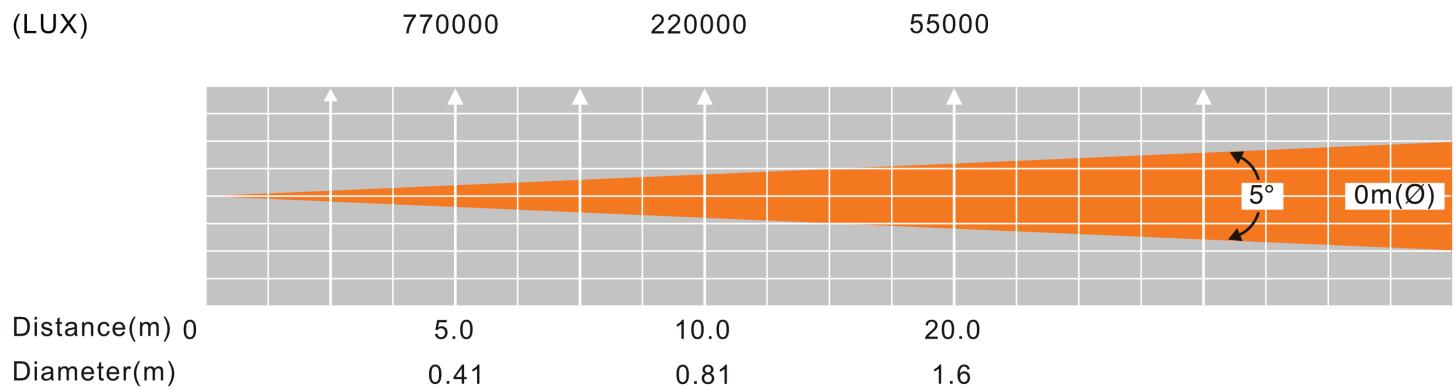
**OFRO - Setting adjustment for the frost filter.**
1. Press the **ENTER** button for at least 3 seconds, then press the **UP** or **DOWN** buttons so that "**oFro**" is displayed, and press **ENTER**.
2. Use the **UP** and **DOWN** buttons to make your adjustments, and then press **ENTER** to confirm. Press the **MENU** button for one second to exit.

**OFOC - Setting adjustment for the focus.**
1. Press the **ENTER** button for at least 3 seconds, then press the **UP** or **DOWN** buttons so that "**oFoC**" 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.

# PHOTOMETRIC CHART

(LUX)               770000        220000        55000

5°    0m(Ø)

| Distance(m) | 0 | 5.0 | 10.0 | 20.0 |
|---|---|---|---|---|
| Diameter(m) | | 0.41 | 0.81 | 1.6 |

# 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 (16) | Extended (19) | | |
| 1 | 1 | 0-255 | **Pan Movement** |
| 2 | 2 | 0-255 | **Pan Fine** |
| 3 | 3 | 0-255 | **Tilt Movement** |
| 4 | 4 | 0-255 | **Tilt Fine** |
| 5 | 5 | | **Color Wheel** |
| | | 0-2 | White |
| | | 3-4 | White & Color 1 |
| | | 5-6 | Color 1 |
| | | 7-8 | Color 1 & Color 2 |
| | | 9-10 | Color 2 |
| | | 11-12 | Color 2 & Color 3 |
| | | 13-14 | Color 3 |
| | | 15-16 | Color 3 & Color 4 |
| | | 17-18 | Color 4 |
| | | 19-21 | Color 4 & Color 5 |
| | | 22-23 | Color 5 |
| | | 24-25 | Color 5 & Color 6 |
| | | 26-27 | Color 6 |
| | | 28-29 | Color 6 & Color 7 |
| | | 30-31 | Color 7 |
| | | 32-33 | Color 7 & Color 8 |
| | | 34-35 | Color 8 |
| | | 36-37 | Color 8 & Color 9 |
| | | 38-39 | Color 9 |
| | | 40-42 | Color 9 & Color 10 |
| | | 43-44 | Color 10 |
| | | 45-46 | Color 10 & Color 11 |
| | | 47-48 | Color 11 |
| | | 49-50 | Color 11 & Color 12 |
| | | 51-52 | Color 12 |
| | | 53-54 | Color 12 & Color 13 |
| | | 55-56 | Color 13 |
| | | 57-58 | Color 13 & Color 14 |
| | | 59-60 | Color 14 |
| | | 61-63 | Color 14 & White |
| | | 64-127 | Color Indexing |
| | | 128-189 | Clockwise Rotation Fast - Slow |
| | | 190-193 | No Rotation |
| | | 194-255 | Counter-Clockwise Rotation Slow - Fast |

# 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 (16)** | **Extended (19)** | | |
| | | | **Gobos** |
| | | 0-3 | Open |
| | | 4-6 | Gobo 1 |
| | | 7-9 | Gobo 2 |
| | | 10-12 | Gobo 3 |
| | | 13-15 | Gobo 4 |
| | | 16-18 | Gobo 5 |
| | | 19-21 | Gobo 6 |
| | | 22-24 | Gobo 7 |
| | | 25-27 | Gobo 8 |
| | | 28-30 | Gobo 9 |
| | | 31-33 | Gobo 10 |
| | | 34-36 | Gobo 11 |
| | | 37-39 | Gobo 12 |
| | | 40-42 | Gobo 13 |
| | | 43-45 | Gobo 14 |
| | | 46-48 | Gobo 15 |
| | | 49-51 | Gobo 16 |
| | | 52-55 | Gobo 17 |
| | | 56-59 | Open Shaking |
| 6 | 6 | 60-63 | Gobo 1 Shaking |
| | | 64-68 | Gobo 2 Shaking |
| | | 69-71 | Gobo 3 Shaking |
| | | 72-75 | Gobo 4 Shaking |
| | | 76-79 | Gobo 5 Shaking |
| | | 80-83 | Gobo 6 Shaking |
| | | 84-87 | Gobo 7 Shaking |
| | | 88-91 | Gobo 8 Shaking |
| | | 92-95 | Gobo 9 Shaking |
| | | 96-99 | Gobo 10 Shaking |
| | | 100-103 | Gobo 11 Shaking |
| | | 104-107 | Gobo 12 Shaking |
| | | 108-111 | Gobo 13 Shaking |
| | | 112-115 | Gobo 14 Shaking |
| | | 116-119 | Gobo 15 Shaking |
| | | 120-123 | Gobo 16 Shaking |
| | | 124-127 | Gobo 17 Shaking |
| | | 128-189 | Gobo Wheel Rotation Fast - Slow |
| | | 190-193 | Stop |
| | | 194-255 | Gobo Wheel Rotation Slow - Fast |

# 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 (16) | Extended (19) | | |
| | | | **Prism** |
| | | 0-7 | Open |
| | | 8-127 | Prism |
| | | 128-132 | Prism Rotation Effect 1 |
| | | 133-137 | Prism Rotation Effect 2 |
| | | 138-141 | Prism Rotation Effect 3 |
| | | 142-146 | Prism Rotation Effect 4 |
| | | 147-150 | Prism Rotation Effect 5 |
| | | 151-155 | Prism Rotation Effect 6 |
| | | 156-159 | Prism Rotation Effect 7 |
| | | 160-164 | Prism Rotation Effect 8 |
| | | 165-168 | Prism Rotation Effect 9 |
| | | 169-173 | Prism Rotation Effect 10 |
| | | 174-177 | Prism Rotation Effect 11 |
| | | 178-182 | Prism Rotation Effect 12 |
| 7 | 7 | 183-187 | Prism Rotation Effect 13 |
| | | 188-191 | Prism Rotation Effect 14 |
| | | 192-196 | Prism Rotation Effect 15 |
| | | 197-200 | Prism Rotation Effect 16 |
| | | 201-205 | Prism Rotation Effect 17 |
| | | 206-209 | Prism Rotation Effect 18 |
| | | 210-214 | Prism Rotation Effect 19 |
| | | 215-218 | Prism Rotation Effect 20 |
| | | 219-223 | Prism Rotation Effect 21 |
| | | 224-227 | Prism Rotation Effect 22 |
| | | 228-232 | Prism Rotation Effect 23 |
| | | 233-236 | Prism Rotation Effect 24 |
| | | 237-241 | Prism Rotation Effect 25 |
| | | 242-246 | Prism Rotation Effect 26 |
| | | 247-250 | Prism Rotation Effect 27 |
| | | 251-255 | Prism Rotation Effect 28 |

# 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 (16) | Extended (19) | | |
| | | | **Prism Rotation** |
| | | 0-127 | Index Rotation |
| 8 | 8 | 128-190 | Clockwise Rotation Fast - Slow |
| | | 191-192 | Stop |
| | | 193-255 | Counter-Clockwise Rotation Slow - Fast |
| 9 | 9 | 0-255 | **Focus** 0-100% |
| 10 | 10 | 0-255 | **Frost** 0-100% |
| | | | **Shutter & Strobe** |
| | | 0-7 | Shutter Closed |
| | | 8-15 | Shutter Open |
| | | 16-167 | Linear Strobing Slow - Fast |
| 11 | 11 | 168-203 | Fast Close - Slow Open |
| | | 204-239 | Fast Open - Slow Close |
| | | 240-247 | Random Strobe |
| | | 248-255 | Open |
| 12 | 12 | 0-255 | **Master Dimmer Intensity** 0-100% |
| | | | **Pan/Tilt Macros** |
| | | 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 |
| 13 | 13 | 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 |
| | | | **Pan/Tilt Macros** |
| | | 248-255 | Macro 31 |

# 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 (16)** | **Extended (19)** | | |
| 14 | 14 | 0-255 | **Pan/Tilt Macro Speed** Fast - Slow |
| 15 | | | **Pan/Tilt Movement Speed** Fast - Slow |
| | 15 | | **Color Time** |
| | | 0-254 | Fast - Slow |
| | | 255 | Fast |
| | 16 | | **Beam Time** |
| | | 0-254 | Fast - Slow |
| | | 255 | Fast |
| | 17 | | **Gobo Time** |
| | | 0-254 | Fast - Slow |
| | | 255 | Fast |
| | 18 | 0-255 | **Pan/Tilt Movement Speed** Fast - Slow |
| 16 | 19 | | **Special Functions** |
| | | 0-49 | No Function |
| | | 50-59 | Pan/Tilt Fast Mode |
| | | 60-69 | Pan/Tilt Normal Mode |
| | | 70-79 | Blackout With Pan/Tilt Move Enabled |
| | | 80-89 | Blackout With Pan/Tilt Move Disabled |
| | | 90-99 | Blackout With Color Change Enabled |
| | | 100-109 | Blackout With Color Change Disabled |
| | | 110-119 | Blackout With Gobo Change Enabled |
| | | 120-129 | Blackout With Gobo Change Disabled |
| | | 130-139 | Lamp On |
| | | 140-149 | Pan/Tilt Reset |
| | | 150-159 | Color Wheel Reset |
| | | 160-169 | Gobo Reset Wheel Reset |
| | | 170-179 | Shutter/Prism & Prism Rotation/Frost/Focus Reset |
| | | 180-199 | No Function |
| | | 200-209 | Reset All |
| | | 210-219 | Blackout With Pan/Tilt/Color/Gobo Change Enabled |
| | | 220-229 | Blackout With Pan/Tilt/Color/Gobo Change Disabled |
| | | 230-239 | Lamp Off |
| | | 240-225 | No Function |

# SPECIFICATIONS
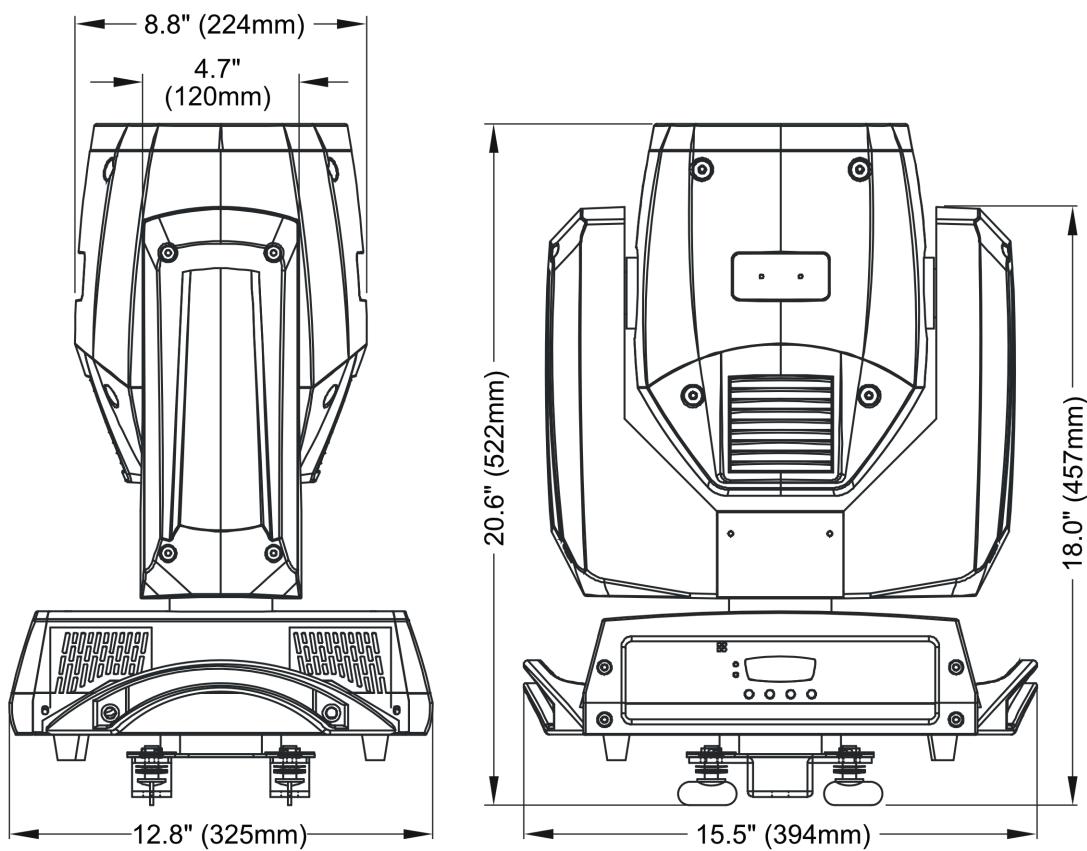
- 2 DMX Channel Modes: 16 or 19 DMX channels
- Gobo scroll mode
- LED DMX 4-Button menu system
- 5-degree beam angle
- Auto X-Y repositioning
- 14 colors + white and Split Colors
- 17 static, fixed gobos + spot
- 8-facet Prism with macros
- Gobo Shake effect
- Independent gobo and color wheels
- Pan: 540-degree
- Tilt: 270-degree
- Pan/Tilt Invert
- Built-In Pan/Tilt Macros
- 16-Bit Pan/Tilt Positioning
- Motorized focus
- Shutter: Pulse effect; random strobe slow to fast
- Mechanical Dimming: 0% - 100%
- Strobe effect
- Frost Filter
- Stepper motors with micro stepping
- Omega Quicklock Brackets included
- DMX: 3-pin XLR In/Out
- With Wired Digital Communication Network
- Strobe Rate: 0.75-24.5HZ
- DB Rating @ 1Meter: Front: 45; Back: 47; Left: 46; Right: 46; Top: 47
- Light output: 770000 LUX  @ 5M, 220000 LUX @ 10M (5-degree beam)
- Locking Power In/Out to daisy chain power
- Multi-voltage Operation: 100-240V, 50Hz/60Hz
- Power Cable Length: 1.5M (IEC)
- Lamp: Philips® Platinum 5R 189W discharge, 8,000°K – 3,000 hr. long life
- Dimensions (LxWxH): 394x325x522mm / 15.5" x 12.75" x  20.5"
- Weight:  19 kg. / 42 lbs
- cETLus Approved (Control #4000358)

Specifications and improvements in the design of this unit and this manual are subject to change without notice.

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# DIMENSION DRAWINGS

Dimensions not to scale

8.8" (224mm)

4.7" (120mm)

12.8" (325mm)

20.6" (522mm)

18.0" (457mm)

15.5" (394mm)

**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 deter- mined 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!