



VIZI BEAM HYBRID 2R

User Manual

08/07/2023

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Europe Energy Saving Notice

Energy Saving Matters (EuP 2009/125/EC)

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

DOCUMENT VERSION



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

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

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GENERAL INFORMATION

INTRODUCTION

Please read and understand the instructions in this manual carefully and thoroughly before attempting to operate this device. These instructions contain important safety and use information.

This product is intended for use by professionally trained personnel only, and is not suitable for private use.

Unpacking

Every device has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton is damaged, carefully inspect the device for damage, and be sure all accessories necessary to install and operate the device have arrived intact. In the event damage has been found or parts are missing, please contact our customer support team for further instructions. Please do not return this device to your dealer without first contacting customer support. Please do not discard the shipping carton in the trash. Please recycle whenever possible.

BOX CONTENTS

Omega Brackets
1.83M locking power cable

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
323-582-2650 | Fax: 323-832-2941 | support@adj.com

ADJ SERVICE EUROPE - Monday - Friday 08:30 to 17:00 CET
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REPLACEMENT PARTS please visit parts.adj.com



IMPORTANT NOTICE!

THERE ARE NO USER SERVICEABLE PARTS INSIDE THIS UNIT. DO NOT ATTEMPT ANY REPAIRS YOURSELF; DOING SO WILL VOID YOUR MANUFACTURER'S WARRANTY. DAMAGES RESULTING FROM MODIFICATIONS TO THIS FIXTURE AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURER'S WARRANTY AND ARE NOT SUBJECT TO WARRANTY CLAIMS AND/OR REPAIRS.

LIMITED WARRANTY (USA ONLY)

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

LIMITED WARRANTY PERIODS

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

SAFETY GUIDELINES

This device is a sophisticated piece of electronic equipment. To guarantee a smooth operation, it is important to follow all instructions and guidelines in this manual. ADJ PRODUCTS, LLC. is not responsible for injury and/or damages resulting from the misuse of this device due to the disregard of the information printed in this manual. Only the original included parts and/or accessories for this device should be used. Any modifications to the device, included and/or accessories 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; DOING SO WILL VOID YOUR MANUFACTURER'S WARRANTY. DAMAGES RESULTING FROM MODIFICATIONS TO THIS FIXTURE AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURER'S WARRANTY AND ARE NOT SUBJECT TO ANY WARRANTY CLAIMS AND/OR REPAIRS.



DO NOT PLUG FIXTURE INTO A DIMMER PACK!

NEVER OPEN THIS FIXTURE WHILE IN USE!

UNPLUG POWER BEFORE SERVICING FIXTURE!

NEVER TOUCH FIXTURE DURING OPERATION, AS IT MAY BE HOT!

KEEP FLAMMABLE MATERIALS AWAY FROM FIXTURE!



NEVER LOOK DIRECTLY INTO THE LIGHT SOURCE!

RETINA INJURY RISK - MAY INDUCE BLINDNESS!

SENSITIVE PERSONS MAY SUFFER AN EPILEPTIC SHOCK!



INDOOR / DRY LOCATIONS USE ONLY!

DO NOT EXPOSE FIXTURE TO RAIN AND MOISTURE!



MINIMUM DISTANCE TO OBJECTS/SURFACES

MUST BE 39.4 FEET (12 METERS)

MAXIMUM TEMP OF EXTERNAL SURFACE 194°F (90°C)

MINIMUM DISTANCE OF INFLAMMABLE MATERIALS

FROM THE SURFACE 0.7 FEET (0.2 METER)

WARNING



Minimum distance to lighted objects 12.0 meters.

Maximum temperature of the external surface is 90°C

Minimum distance of inflammable materials from the surface 0.2m.



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 FROM THE UV COLOR FILTER. WEAR PROPER EYE AND SKIN PROTECTION. AVOID PROLONGED PERIODS OF EXPOSURE TO UV COLOR FILTER. AVOID WEARING WHITE COLOR CLOTHING AND/OR USING UV PAINTS ON SKIN. AVOID DIRECT EYE AND/OR SKIN EXPOSURE AT DISTANCES LESS THAN 11 feet (3.3m). DO NOT OPERATE FIXTURE WITH DAMAGED/MISSING EXTERNAL COVERS. DO NOT LOOK DIRECTLY INTO THE UV LIGHT AND/OR VIEW UV LIGHT DIRECTLY WITH OPTICAL INSTRUMENTS THAT MAY CONCENTRATE THE LIGHT/RADIATION OUTPUT. INDIVIDUALS SUFFERING FROM A RANGE OF EYE CONDITIONS, SUNLIGHT EXPOSURE DIS-ORDERS, OR INDIVIDUALS USING 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 60 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 other devices or a wall for proper cooling.

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

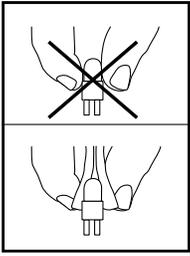
Always disconnect fixture from main power source before performing any type of service and/or cleaning procedure. Only handle the power cord by the plug end, never pull out the plug by tugging the wire portion of the cord.

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

DISCHARGE LAMP WARNING



This fixture is fitted with a DISCHARGE LAMP, which is highly susceptible to damage if improperly handled. NEVER touch the lamp with your bare hands, as the oil from your hands will shorten the life of the lamp. NEVER move the fixture until the lamp has had ample time to cool. DISCHARGE LAMPS are NOT covered under warranty conditions. 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 with the construction of the lamp, it **MAY EXPLODE DURING PROLONGED EXTENSIVE USE**. This risk is increased with age; added care is encouraged when dealing with older lamps. Thus, the lamp must always be replaced at the end of their recommended duty cycle. Extreme caution should be used when operating this or any fixture fitted with a gas discharge lamp.

UV RADIATION NOTICE



THIS FIXTURE EMITS INTENSE UV RADIATION, WHICH IS HARMFUL TO THE EYES AND SKIN. THE INTENSE LUMINESCENCE OF THE LAMP CAN CAUSE SEVERE DAMAGE TO THE RETINA. NEVER OPERATE THIS FIXTURE WITH ANY OF THE PROTECTIVE COVERS REMOVED. THESE COVERS HAVE BEEN SPECIALLY DESIGNED TO SHIELD AGAINST UV RADIATION.

LAMP REPLACEMENT



USE ONLY GENUINE ORIGINAL PHILIPS™ LAMPS. OTHER BRAND LAMPS WILL CAUSE DAMAGE AND WILL VOID FIXTURE WARRANTY!

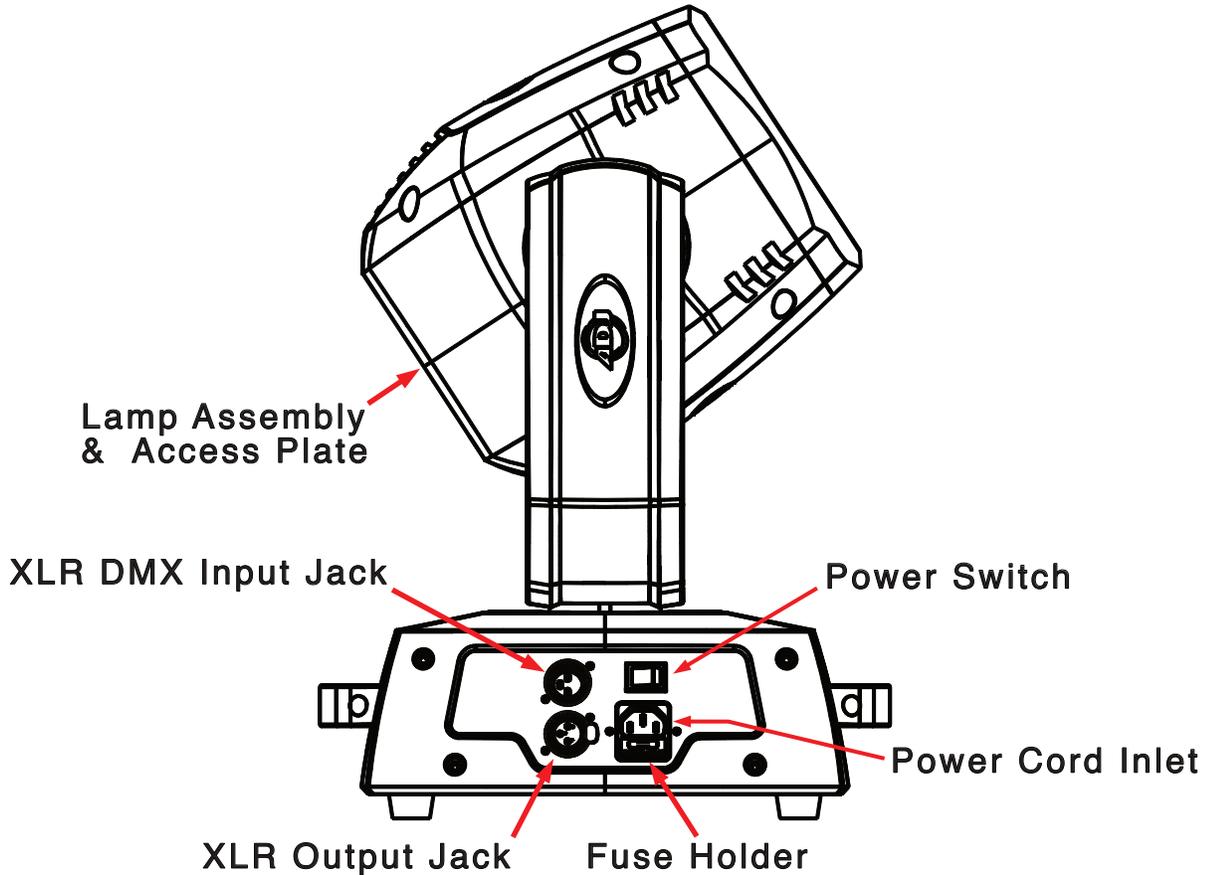
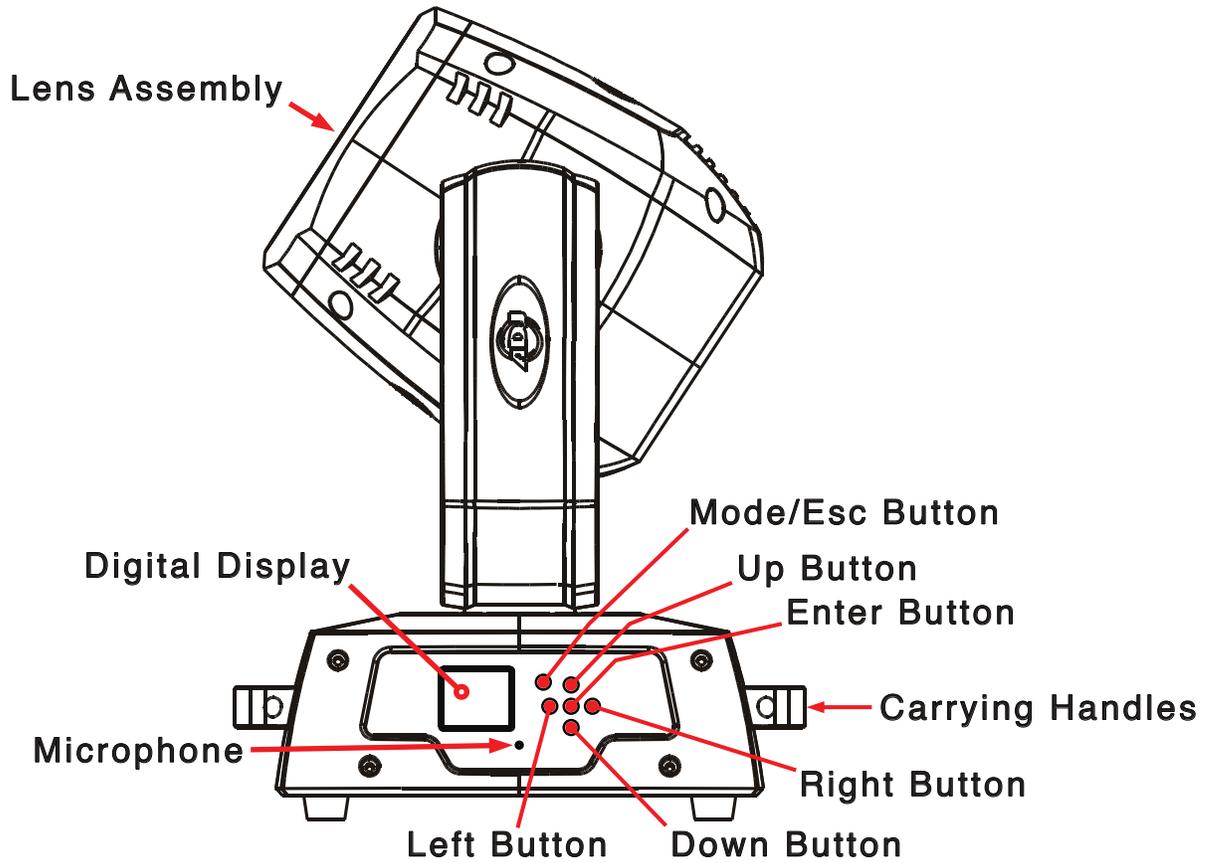


**DISCONNECT THE MAIN POWER SUPPLY BEFORE REPLACING LAMP!
FIXTURE MUST COOL FOR 15 minutes BEFORE REPLACING LAMP!
NEVER TOUCH LAMP WITH BARE HANDS, ALWAYS WEAR GLOVES!
OIL FROM HANDS WILL SHORTEN LIFE OF LAMP!**

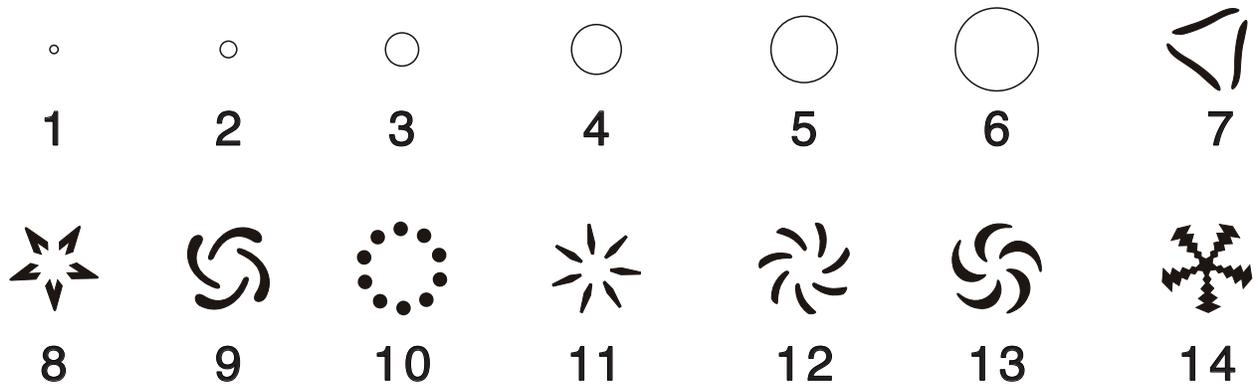


MAKE SURE ALL COVERS/FIXTURES ARE REPLACED/SECURED BEFORE OPERATING FIXTURE TO PREVENT ANY RISK AND/OR DAMAGE TO EYE RETINA FROM UV RADIATION EXPOSURE!

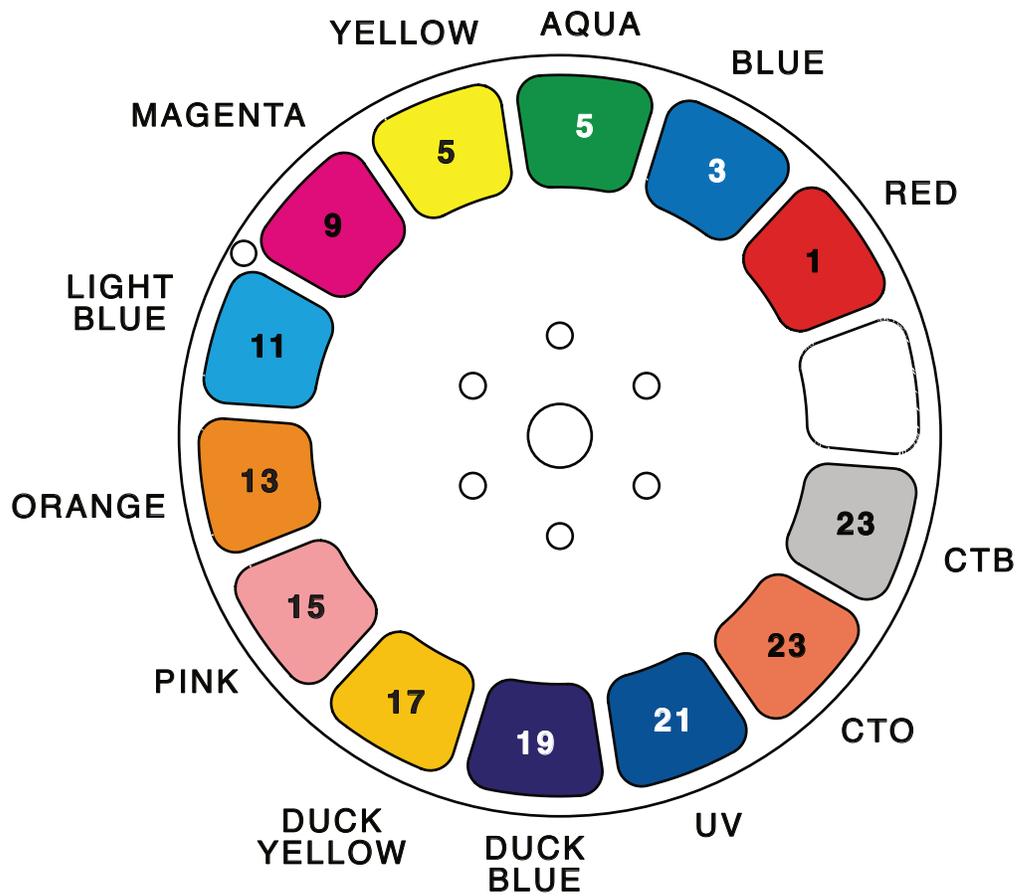
OVERVIEW



GOBO WHEEL



COLOR WHEEL



LAMP REPLACEMENT

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

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.

Lamp Replacement: Caution! Never attempt to change the lamp while the fixture is plugged in. Always disconnect the main power and allow the unit ample time to cool before attempting to replace the lamp. Please see page 7 for important information regarding the discharge lamp.

1. Be sure to follow the proper handling procedures that deal with discharge lamps.
2. Remove the three small screws (labeled A, B, & C) on the rear of the moving head.
3. After removing the screws, gently remove the panel.
4. Carefully disconnect the two wires connected to the lamp (Figure 1).
5. Next, located on the left side squeeze the lamp holding clips together and lift the holder (Figure 2).
6. Replace the lamp with an exact match. Reassemble in reverse order.

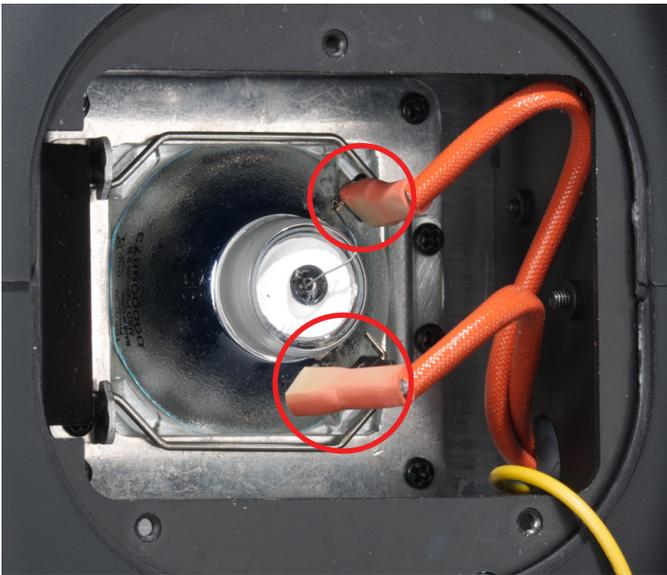


Figure 1

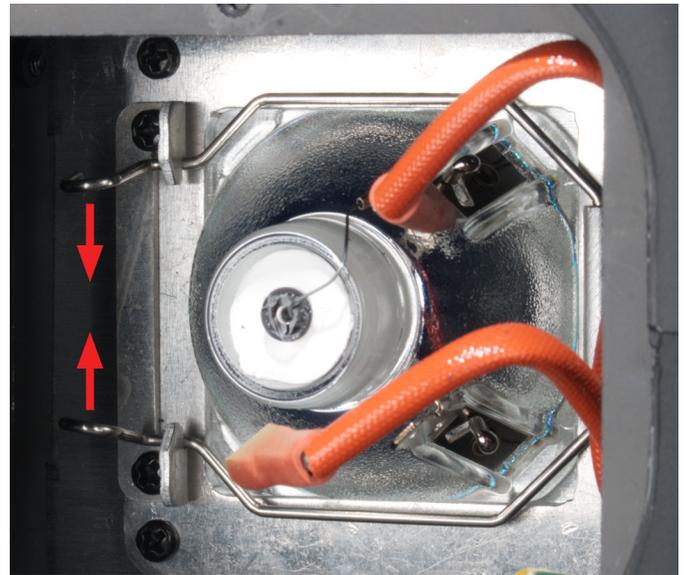


Figure 2

INSTALLATION GUIDELINES



FLAMMABLE MATERIAL WARNING

Keep fixture minimum 0.7 feet (0.2m) away from flammable materials and/or pyrotechnics.



ELECTRICAL CONNECTIONS

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



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



**MINIMUM DISTANCE TO OBJECTS/SURFACES
MUST BE 39.4 FEET (12 METERS)**



**MINIMUM DISTANCE OF INFLAMMABLE MATERIALS
FROM THE SURFACE 0.7 FEET (0.2 METER)**



MAXIMUM TEMPERATURE OF EXTERNAL SURFACE 185° F (85°C)

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

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

Before rigging/mounting a single fixture or multiple fixtures 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.

Fixture ambient operating temperature range is **0° to 104°F. (0° to 40°C)**.

Do not Use fixture under or above this temperature.

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.

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

RIGGING

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

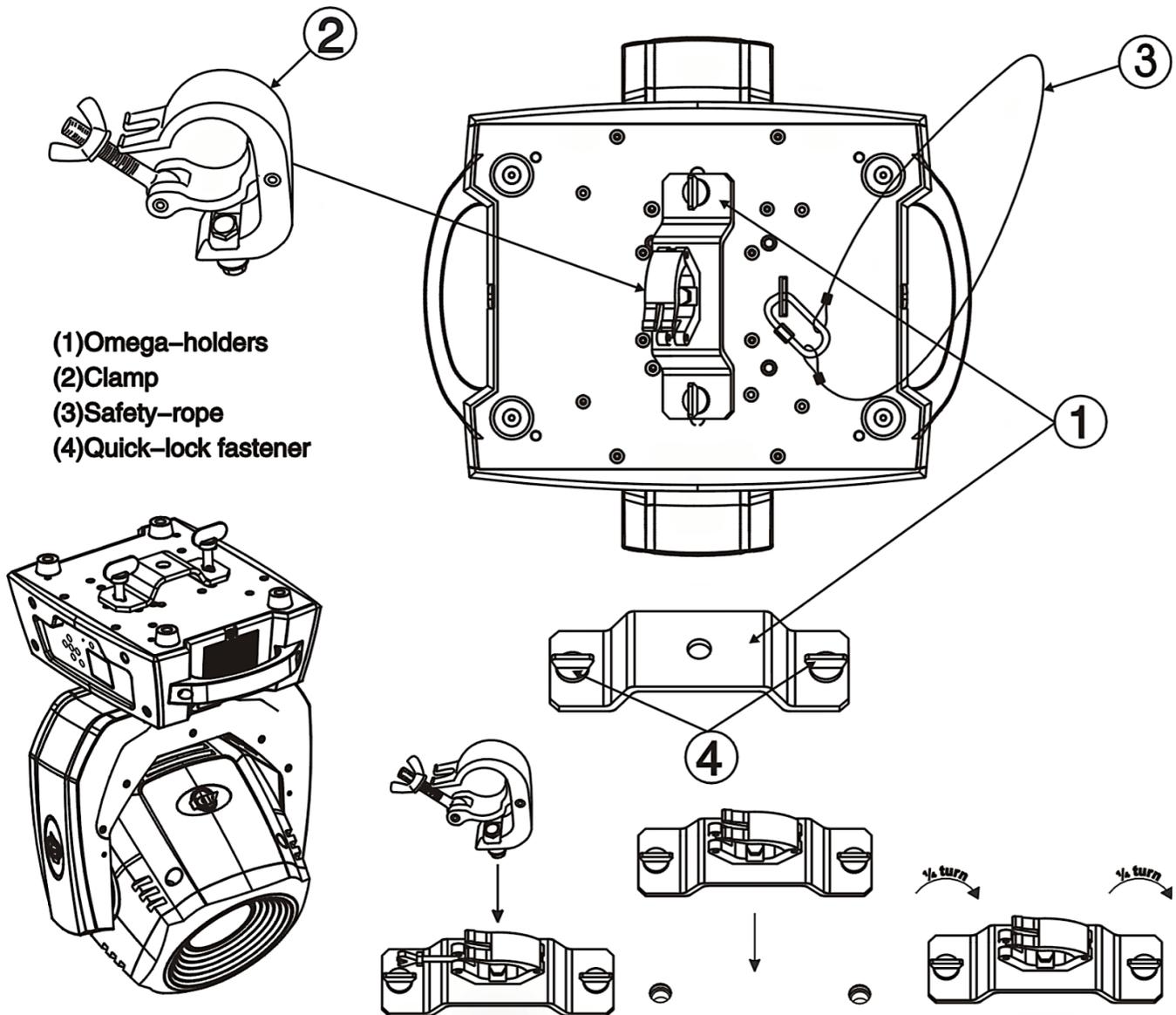


ALWAYS ATTACH AN APPROPRIATELY RATED SAFETY CABLE (NOT INCLUDED) THAT MEETS ALL LOCAL, NATIONAL, AND COUNTRY CODES AND REGULATIONS WHENEVER INSTALLING FIXTURE IN A SUSPENDED ENVIRONMENT!

INSTALLATION GUIDELINES

OMEGA BRACKETS INSTALLATION

Insert the Omega Brackets into the matching holes on the bottom of the fixture. Secure the Omega Brackets to the fixture by turning each quick-lock fastener ¼ turn clockwise; making sure the fastener is completely locked. Omega Brackets can be installed into the fixture base as illustrated below.



- (1) Omega-holders
- (2) Clamp
- (3) Safety-rope
- (4) Quick-lock fastener



SAFETY CABLE

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

CLAMP INSTALLATION

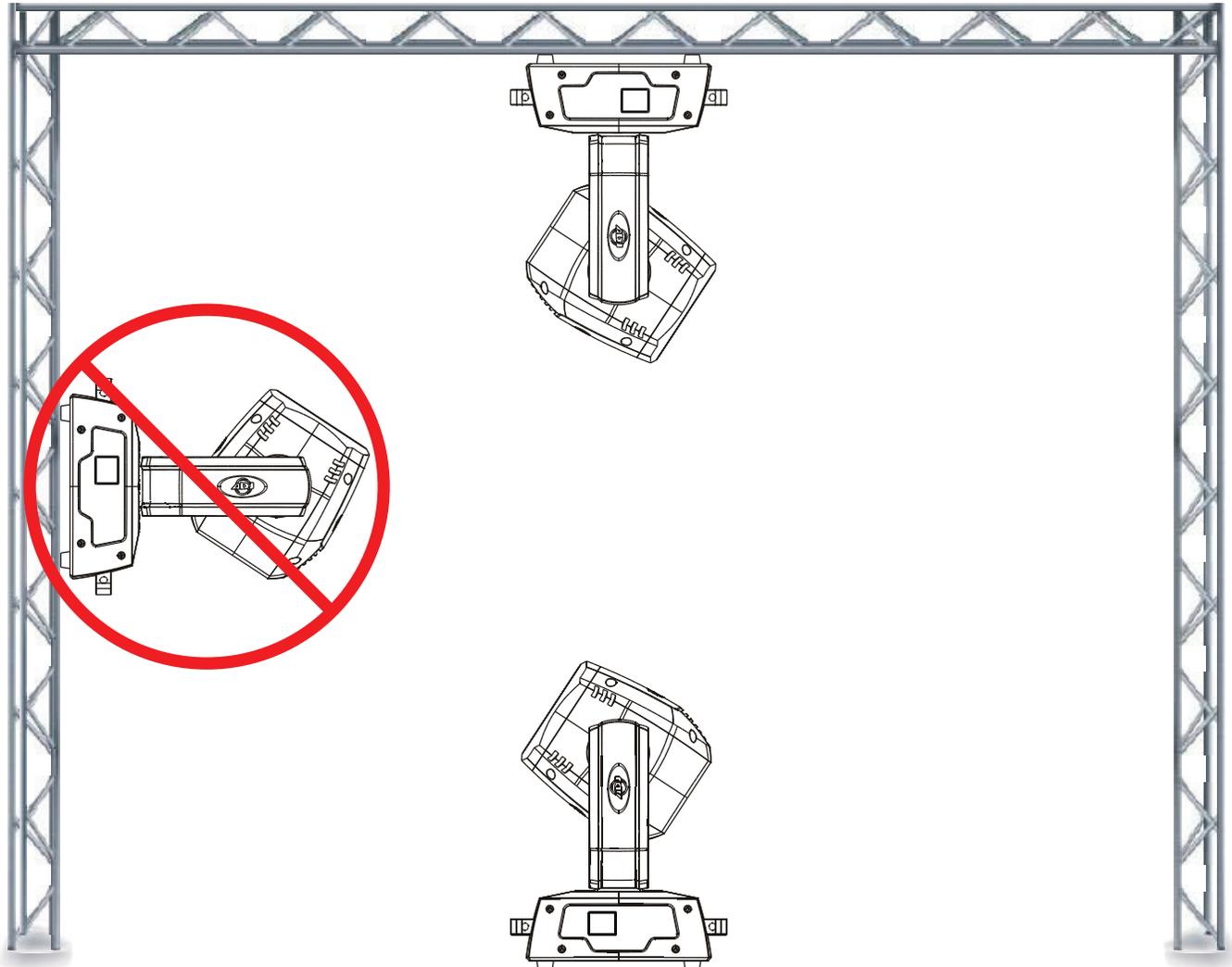
When mounting fixture to truss, be sure to secure an appropriately rated professional grade rigging clamp to the included **Omega Brackets** using an M10 screw fitted through the center hole of the **Omega Brackets**. The fixture provides built-in rigging points for a **SAFETY CABLE** (not included). Be sure to only use one of the designated rigging points for the safety cable and never secure a safety cable to a carrying handle.

INSTALLATION GUIDELINES

RIGGING

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

This fixture is designed to be mounted vertically (hanging or upright), only.



SYSTEM MENU

Function	Set DMX Address	A001~AXXX		DMX address setting	
	DMX Value	PAN....		DMX value display	
	Secondary Mode	Secondary1, Secondary2, Secondary3		Secondary setting	
	Auto Program	Primary/Alone		Auto program	
	Sound Control	Primary/Alone		Sound Control	
Information	Tim Information	Current Time	XXXX(Hours)	Power on running time	
		Total Run Time	XXXX(Hours)	Fixture running time	
		Last Run Time	XXXX(Hours)	Fixture Last times clear	
		Lamp Hours	XXXX(Hours)	Lamp running time	
		Lamp Off Time	XXXX(Minute)	Lamp off time	
		LastRun Password	Password=XXX	Timer Password 038	
		Clean Last Run	ON/OFF	Clear Fixture Last time	
		LampTime Password	Password=XXX	Lamp Password ="038"	
	Clean Lamp Time	ON/OFF	Clear lamp time		
	Temperature Info	Head Temperature	XXX°F/°C	Temperature in the head	
Software Version	V1.0....		Software version		
Lamp Control	Lamp On/Off	ON/OFF		Lamp on/off	
	Automatic On	ON/OFF		Lamp on/off Power on	
	Lamp On via DMX	ON/OFF		Lamp on via DMX	
	Lamp Off via DMX	ON/OFF		Lamp off via DMX	
	Max On at Temp.	20~79 °C, 45°C / 68~174°F, 113°F		Lamp restart at temp	
	Lamp Off Temp.	80~139 °C, 45°C / 176~282°F, 266°F		Lamp off at temp.	
Personality	Status Settings	Address Via DMX	ON/OFF	Add. via DMX	
		No DMX Status	Close/Hold/Auto/Music	Auto run if no DMX	
		Pan Reverse	ON/OFF	Pan Reverse movement	
		Tilt Reverse	ON/OFF	Tilt Reverse movement	
		Pan Degree	630/540	Pan Degree Select	
		Feedback	ON/OFF	Movement Feedback	
		Movement Speed	Speed 1~ 4	Movement Mode Select	
		Mic Sensitivity	0~99%	Sensitivity of Mic.	
	Hibernation	OFF, 01M~99M, 15M	Stand by Mode		
	Service Setting	Password	Password=XXX		Service Password="050"
		RDM PID	XXXXXX		RDM PID Code
	Fans Control	Auto Fan Speed , Low Fan Speed, High Fan Speed		Fans Speed select	
	Display Setting	hutoff Time	02~60m	05m	Display shutoff time
		Display Reverse	ON/OFF		Reverse 180 degree
		Key Lock	ON/OFF		Key Lock
	Temperature C/F	Celsius, Fahrenheit		Switch temperatures	
	Initial Status	PAN=XXX,		Initial effect position	
Reset Default	ON/OFF		Restore factory set		
Reset Function	Reset All			Reset all motors	
	Reset Pan&Tilt			Reset Pan/Tilt	
	Reset Colors			Reset color wheel	
	Reset Gobos			Reset gobos	
	Reset Shutter			Reset shutter or dimmer	
	Reset Others			Reset other motors	
	Test Channel	PAN ...		Test Function	
Effect Adjust	Manual Control	PAN=XXX :		Fine adjustment of the lamp	
	Calibration	Calibrate Color Wheel=XXX :		Password "050" Calibrate and adjust the effects to standard/right position	
Users Mode Set	User Mode	Standard Mode, Basic Mode, Extended Mode, User Mode A, User Mode B, User Mode C		User's mode to change channel numbers	
	Edit User Mode	Max Channel = XX PAN=CH01 :		Preset User modes	
Edit Program	Select Programs	Auto Pro Part 1 = Program 1 ~ 10 Program 1 Auto Pro Part 2 = Program 1 ~ 10 Program 2 Auto Pro Part 3 = Program 1 ~ 10 Program 3		Select programs to be run	
	Edit Program	Program 1 : Program 10	Program Test Step 01=SCxxx Step 64=SCxxx	Testing program Program in loop Save and exit	
		Edit Scenes	Edit Scene 001 ~ Edit Scene 250	Pan, Tilt, --Fade Time-- --Scene Time-- Input By Exterior	Save and automatically return manual scenes edit
	Rec. Controller	XX~XX		Automat. scenes rec	

SYSTEM MENU

The main menu is accessed by pressing the MODE/ESC button. Browse through the menu by using the UP, DOWN, RIGHT, & LEFT buttons. Press the ENTER button to access the desired menu. You can scroll through the submenus using the UP, DOWN, RIGHT, & LEFT buttons. To confirm every selection press the ENTER button. You can exit every menu and submenu by pressing the MODE/ESC button. The unit will automatically exit the menus if no buttons are pressed after 10 seconds. These next pages will explain each function in the menu layout located on the previous page.

FUNCTION -

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

1. Access the main menu, and press the UP or DOWN buttons so that “**Function**” is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until “**Set 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 MODE/ESC to return to the main menu.

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 “**Function**” 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 be displayed.
4. Press the MODE/ESC button to exit.

Secondary Mode - This function lets you designate the unit as the secondary in Primary-Secondary configuration.

1. Access the main menu, and press the UP or DOWN buttons so that “**Function**” is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until “**Secondary Mode**” is displayed, and press ENTER.
3. Either Secondary 1, Secondary 2, or Secondary 3 will be displayed. Press ENTER to select either of the three, or press MODE/ESC button to exit.

Auto Program - This function allows the internal programs to run in either stand-alone or primary/secondary mode. In “**Primary**” mode the fixture will send DMX data to other fixtures connected via the DMX chain. In “**Alone**” mode the fixture will operate as a single fixture. The program for this mode is selected in the “**Select program**” section of the control menu. You can set the number of steps under “**Edit program**”. You can edit the individual scenes under “**Edit scenes**”. With this function, you can run the individual scenes either automatically, i.e. with the adjusted Step-Time.

1. Access the main menu, and press the UP or DOWN buttons so that “**Function**” is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until “Auto Program” is displayed, and press ENTER.
3. Either “**Primary**” or “**Alone**” will be displayed.
4. Press ENTER to make your selection, or press MODE/ESC button to exit.

Sound Control - With this function, the internal program will run in sound active mode.

1. Access the main menu, and press the UP or DOWN buttons so that “**Function**” is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until “**Sound Control**” is displayed, press ENTER.
3. Either “**Primary**” or “Alone” will be displayed. Use the UP or DOWN buttons to change the operating mode.
4. Press ENTER to make your selection, or press MODE/ESC button to exit.

SYSTEM MENU

INFORMATION -

Time Information (Time information is always represented in hours)

Current Running Time - This will allow you to check units current running time.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that **"Information"** is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until **"Time Information"** is displayed, press ENTER.
3. Press UP or DOWN buttons, until **"Current Time"** is displayed, and press ENTER.
4. **"XXXX"** will now be displayed. **"XXXX"** represents the current running time.
5. Press ENTER or press MODE/ESC to exit.

Total Running Time - This will allow you to check units total running time.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that **"Information"** is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until **"Time Information"** is displayed, press ENTER.
3. Press UP or DOWN buttons, until **"Total Run Time"** is displayed, and press ENTER.
4. **"XXXX"** will now be displayed. **"XXXX"** represents the total running time.
5. Press ENTER or press MODE/ESC to exit.

Last Run Time - This will allow you to check the last running time of the lamp.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that **"Information"** is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until **"Time Information"** is displayed, press ENTER.
3. Press UP or DOWN buttons, until **"Last Run Time"** is displayed, and press ENTER.
4. **"XXXX"** will now be displayed. **"XXXX"** represents the last running time.
5. Press ENTER or press MODE/ESC to exit.

Lamp Hours - This will allow you to check the running time of the lamp.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that **"Information"** is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until **"Time Information"** is displayed, press ENTER.
3. Press UP or DOWN buttons, until **"Lamp Hours"** is displayed, and press ENTER.
4. **"XXXX"** will now be displayed. **"XXXX"** represents the lamp running time.
5. Press ENTER or press MODE/ESC to exit.

Lamp Off Time - This will allow you to check the running time of the lamp the last time that the lamp was On.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that **"Information"** is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until **"Time Information"** is displayed, press ENTER.
3. Press UP or DOWN buttons, until **"Lamp Off Time"** is displayed, and press ENTER.
4. **"XXXX"** will now be displayed. **"XXXX"** represents the running time of the lamp the last time that the lamp was On.
5. Press ENTER or press MODE/ESC to exit.

Last Run Password - This will display the timer password.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that **"Information"** is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until **"Time Information"** is displayed, press ENTER.
3. Press UP or DOWN buttons, until **"Last Run Password"** is displayed, and press ENTER.
4. The **"Last Run Password"** is 038.
5. Press ENTER or press MODE/ESC to exit.

SYSTEM MENU

Clean Last Run - This will allow you to clear the last run time of the unit. You need to put in the Last Run Password before doing this. Please see the section before this.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that **“Information”** is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until **“Time Information”** is displayed, press ENTER.
3. Press UP or DOWN buttons, until **“Clean Last Run”** is displayed, and press ENTER.
4. Either **“Off”** or **“On”** will be displayed, use the UP and DOWN buttons to toggle between.
5. Press ENTER to confirm your selection or press MODE/ESC to exit.

Lamp Time Password - This will display the lamp timer password.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that **“Information”** is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until **“Time Information”** is displayed, press ENTER.
3. Press UP or DOWN buttons, until **“Lamp Time Password”** is displayed, and press ENTER.
4. The **“Lamp Time Password”** is **038**.
5. Press ENTER or press MODE/ESC to exit.

Clean Lamp Time - This will allow you to clear the lamp time running time. Please clear the lamp running time every time you replace the lamp. You need to put in the Lamp Time Password before doing this. Please see the section before this.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that **“Information”** is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until **“Time Information”** is displayed, press ENTER.
3. Press UP or DOWN buttons, until **“Clear Lamp Time”** is displayed, and press ENTER.
4. Either **“Off”** or **“On”** will be displayed, use the UP and DOWN buttons to toggle between.
5. Press ENTER to confirm your selection or press MODE/ESC to exit.

Temperature Info - This will allow you to check the moving head temperature.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that **“Information”** is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until **“Temperature Info”** is displayed, press ENTER.
3. **“Head Temperature”** will now be displayed, press ENTER.
4. **“XXX”** will now be displayed. **“XXX”** represents the current temperature of the moving head.
5. Press ENTER or press MODE/ESC to exit.

Software Version - This will allow you to see the software version you are currently running.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that **“Information”** is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until **“Software Version”** is displayed, press ENTER.
3. **“VX.X”** will now be displayed. **“X.X”** represents the software version.
4. Press ENTER or press MODE/ESC to exit.

SYSTEM MENU

LAMP CONTROL -

Lamp On/Off - With this function you can switch the lamp on or off via the control board.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that "**Lamp Control**" is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until "**Lamp Off/On**" is displayed, press ENTER.
3. Either "**Off**" or "**On**" will be displayed, use the UP and DOWN buttons to toggle between.
4. Press ENTER to confirm your selection or press MODE/ESC to exit.

Automatic On - With this function you can have the lamp automatically turn On when when switching on the power.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that "**Lamp Control**" is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until "**Automatic On**" is displayed, press ENTER.
3. Either "Off" or "On" will be displayed, use the UP and DOWN buttons to toggle between.
4. Press ENTER to confirm your selection or press MODE/ESC to exit.

Lamp on via external controller - With this function you can select if you want to switch the lamp on via an external controller. This is used in conjunction with Internal Programs DMX channel, DMX values 40-59.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that "**Lamp Control**" is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until "**Lamp On Via DMX**" is displayed, press ENTER.
3. Either "Off" or "On" will be displayed, use the UP and DOWN buttons to toggle between. Select "**On**" if you wish to activate this function, or "**Off**" to deactivate.
4. Press ENTER to confirm your selection or press MODE/ESC to exit.

Lamp off via external controller - With this function you can select if you want to switch the lamp off via an external controller. This is used in conjunction with Internal Programs DMX channel, DMX values 60-79.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that "**Lamp Control**" is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until "**Lamp Off Via DMX**" is displayed, press ENTER.
3. Either "Off" or "On" will be displayed, use the UP and DOWN buttons to toggle between. Select "**On**" if you wish to activate this function, or "**Off**" to deactivate.
4. Press ENTER to confirm your selection or press MODE/ESC to exit.

Max on at temp. - With this function you can set the inside temperature from which the lamp will restrike after automatic shut off.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that "**Lamp Control**" is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until "Max On at Temp" is displayed, press ENTER.
3. "**113°F**" or "**45°C**" should now be displayed. "**113°F**" represents the temperature that the lamp will restrike at. The temperature that is recommended is 113°F.
4. Press ENTER to confirm your selection or press MODE/ESC to exit.

Lamp off temp. - With this function you can set the inside temperature at which point the lamp will shut off.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that "**Lamp Control**" is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until "Max On at Temp" is displayed, press ENTER.
3. "**266°F**" or "**130°C**" should now be displayed. "**266°F**" or "**130°C**" represents the temperature that the lamp will automatically switch off at. The temperature that is recommended is 266°F.
4. Press ENTER to confirm your selection or press MODE/ESC to exit.

NOTE: When the temperature around the lamp is higher then the preset value for longer then 5 mins, the unit will automatically shut Off the lamp. If the lamp is automatically shut off due to over heat, it can not be restriked automatically, it must be turned On again manually.

SYSTEM MENU

PERSONALITY -

Time Information

Address via DMX - With this function you can adjust the DMX address via external controller.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that "**Personality**" is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until "**Status Setting**" is displayed, press ENTER.
3. Press UP or DOWN buttons, until "**Address via DMX**" is displayed, and press ENTER.
4. Either "**Off**" or "**On**" will be displayed, use the UP and DOWN buttons to toggle between.
5. Press ENTER to confirm your selection or press MODE/ESC to exit.

To use this function, follow these instructions:

To adjust the address of your unit you must first go to the address that it is currently set to. From there you can adjust the address. First make sure all channels are set to the value of "0".

1. On your DMX controller set the DMX value of Channel 1 to the value "7".
2. Now set the DMX value of Channel 2 to the value "7" to adjust the starting address between 1 and 255. To adjust the address between 256 and 511 set Channel 2 to the value "8".
3. Set the DMX value of Channel 3 to your desired starting address. This will take about 20 seconds before the unit accepts the new DMX address.

EXAMPLE: If you want the address to be 57, you must first set the address that is currently assigned to the unit. Then set Channel 1's value to "7", Channel 2's value to "7", and Channel 3's value to "57". Wait 20 seconds and the address should change on the unit to "57".

2ND EXAMPLE: If you want the address to be 420, you must first set the address that is currently assigned to the unit. If you want the set the address to 420, set Channel 1's value to "7", Channel 2's value to "8", and Channel 3's to "164". (256 + 164 = 420).

No DMX status - With this function if the DMX signal is suddenly lost, the unit will automatically go into 1 of 3 modes.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that "**Personality**" is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until "**Status Setting**" is displayed, press ENTER.
3. Press UP or DOWN buttons, until "**No DMX Status**" is displayed, and press ENTER.
4. Either "**Hold**" (Last DMX setting), "**Close**" (Blackout), "**Music**" (Sound Active), or "**Auto**" (Auto Program) will be displayed, use the UP and DOWN buttons to toggle between.
5. Press ENTER to confirm your selection or press MODE/ESC to exit.

Pan Reverse - With this function you can reverse the Pan movement.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that "**Personality**" is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until "Status Setting" is displayed, press ENTER.
3. Press UP or DOWN buttons, until "**Pan Reverse**" is displayed, and press ENTER.
4. Either "**Off**" or "**On**" will be displayed, use the UP and DOWN buttons to toggle between.
5. Press ENTER to confirm your selection or press MODE/ESC to exit.

Tilt Reverse - With this function you can reverse the Tilt movement.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that "**Personality**" is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until "**Status Setting**" is displayed, press ENTER.
3. Press UP or DOWN buttons, until "**Tilt Reverse**" is displayed, and press ENTER.
4. Either "**Off**" or "**On**" will be displayed, use the UP and DOWN buttons to toggle between.
5. Press ENTER to confirm your selection or press MODE/ESC to exit.

Pan Degree - With this function you can change the pan degree from 630 to 540.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that "**Personality**" is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until "**Status Setting**" is displayed, press ENTER.
3. Press UP or DOWN buttons, until "**Pan Degree**" is displayed, and press ENTER.
4. Either "**540**" or "**630**" will be displayed, use the UP and DOWN buttons to toggle between.
5. Press ENTER to confirm your selection or press MODE/ESC to exit.

SYSTEM MENU

Feedback - With this function you can feedback switch the pan movement or tilt movement.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that “**Personality**” is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until “**Status Setting**” is displayed, press ENTER.
3. Press UP or DOWN buttons, until “**Feedback**” is displayed, and press ENTER.
4. Either “**Off**” or “**On**” will be displayed, use the UP and DOWN buttons to toggle between.
5. Press ENTER to confirm your selection or press MODE/ESC to exit.

Movement Speed - With this function you can set the pan and tilt movement speed.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that “**Personality**” is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until “**Status Setting**” is displayed, press ENTER.
3. Press UP or DOWN buttons, until “**Movement Speed**” is displayed, and press ENTER.
4. Either “**Speed 1**”, “**Speed 2**”, “**Speed 3**”, or “**Speed 4**” will be displayed, use the UP and DOWN buttons to toggle between.
5. Press ENTER to confirm your selection or press MODE/ESC to exit.

Mic Sensitivity - With this function you can set the microphone sensitivity. The default setting is 70%. You can adjust the sensitivity between 0%-99%

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that “**Personality**” is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until “**Status Setting**” is displayed, press ENTER.
3. Press UP or DOWN buttons, until “**Mic Sensitivity**” is displayed, and press ENTER.
4. “**70%**” will be displayed, use the UP and DOWN buttons to adjust the sensitivity between 0%-99%.
5. Press ENTER to confirm your selection or press MODE/ESC to exit.

Hibernation - With this function the lamp and step motors will power off if there is no DMX signal within 15 mins (factory default). Once it receives a DMX signal, the fixture will reset itself.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that “**Personality**” is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until “**Status Setting**” is displayed, press ENTER.
3. Press UP or DOWN buttons, until “**Hibernation**” is displayed, and press ENTER.
4. “**15M**” will be displayed, use the UP and DOWN buttons to adjust the hibernation period between 01M-99M or “**Off**”.
5. Press ENTER to confirm your selection or press MODE/ESC to exit.

Service Setting

Password - With this function you can enter the RDM password so that you can access and change the RDM ID number.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that “**Personality**” is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until “**Service Settings**” is displayed, press ENTER.
3. Press UP or DOWN buttons, until “**Password**” is displayed, and press ENTER.
4. The “**Password**” is 050.
5. Press ENTER or press MODE/ESC to exit.

RDM PID - RDM stands for “**Remote Device Management**”. This feature lets you control every aspect of your fixture remotely from an RDM controller. Manual settings like adjusting the DMX address are no longer needed. This is especially useful when the unit is installed in a remote area. In this submenu you can see the units RDM ID number and adjust it as well.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that “**Personality**” is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until “**Service Settings**” is displayed, press ENTER.
3. Press UP or DOWN buttons, until “**RDM PID**” is displayed, and press ENTER.
4. “**XXXXXX**” will be displayed. “**XXXXXX**” represents the units current RDM ID.
5. Press ENTER or press MODE/ESC to exit.

SYSTEM MENU

Fans Control

Auto Fan Speed - With this function you can adjust the speed of the running fans.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that **"Personality"** is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until **"Fans Control"** is displayed, press ENTER.
3. Either **"Auto Fan Speed"** (default), **"Low Fan Speed"**, or **"High Fan Speed"** will be displayed, use the UP and DOWN buttons to toggle between.
4. Press ENTER to confirm your selection or press MODE/ESC to exit.

Display Setting

Shutoff Time - With this function you can have the LCD display after 2-59 minutes. Use this function to adjust the time.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that **"Personality"** is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until **"Display Setting"** is displayed, press ENTER.
3. Press UP or DOWN buttons, until **"Display Shutoff Time"** is displayed, and press ENTER.
4. **"05m"** (5 minutes) will be displayed, use the UP and DOWN buttons to adjust the shutoff time between 02m-60m or **"Off"**.
5. Press ENTER to confirm your selection or press MODE/ESC to exit.

Reverse - With this function you can rotate (flip) the display 180 degrees.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that **"Personality"** is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until **"Display Setting"** is displayed, press ENTER.
3. Press UP or DOWN buttons, until **"Display Reverse"** is displayed, and press ENTER.
4. Either **"Off"** or **"On"** will be displayed, use the UP and DOWN buttons to toggle between.
5. Press ENTER to confirm your selection or press MODE/ESC to exit.

Key Lock - With this function activated the buttons will lock automatically after 15 seconds.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that **"Personality"** is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until **"Display Setting"** is displayed, press ENTER.
3. Press UP or DOWN buttons, until **"Key Lock"** is displayed, and press ENTER.
4. Either **"Off"** or **"On"** will be displayed, use the UP and DOWN buttons to toggle between.
5. Press ENTER to confirm your selection or press MODE/ESC to exit.

Temperature C/F - With this function, you can change the temperature display to show either Celsius or Fahrenheit.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that **"Personality"** is highlighted, then press ENTER.
2. Press UP or DOWN buttons, until **"Temperature C/F"** is displayed, and press ENTER.
3. Either **"Celsius"** or **"Fahrenheit"** will be displayed, use the UP and DOWN buttons to toggle between.
4. Press ENTER to confirm your selection or press MODE/ESC to exit.

Initial Status - In this menu you are able to check initial effect position.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that **"Personality"** is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until **"Initial Status"** is displayed, press ENTER.
3. **"XXX"** will be displayed. **"XXX"** represents the current effect position.
4. Press ENTER or press MODE/ESC to exit.

Reset Default -

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that **"Personality"** is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until **"Reset Default"** is displayed, press ENTER.
3. Either **"Off"** or **"On"** will be displayed, use the UP and DOWN buttons to toggle between.
4. Press ENTER to confirm your selection or press MODE/ESC to exit.

SYSTEM MENU

RESET FUNCTION

Reset All - With this function you can all the motors.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that **“Reset Function”** is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until **“Reset All”** is displayed, press ENTER.
3. Press ENTER to confirm your selection or press MODE/ESC to exit.

Rest Pan & Tilt - With this function you can reset the Pan & Tilt motors.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that **“Reset Function”** is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until **“Reset Pan/Tilt”** is displayed, press ENTER.
3. Press ENTER to confirm your selection or press MODE/ESC to exit.

Reset Colors - With this function you can reset the color wheel.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that **“Reset Function”** is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until **“Reset Colors”** is displayed, press ENTER.
3. Press ENTER to confirm your selection or press MODE/ESC to exit.

Reset Gobos - With this function you can reset the gobo wheel.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that **“Reset Function”** is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until **“Reset Gobos”** is displayed, press ENTER.
3. Press ENTER to confirm your selection or press MODE/ESC to exit.

Reset Shutter - With this function you can reset the shutter motor.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that **“Reset Function”** is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until **“Reset Shutter”** is displayed, press ENTER.
3. Press ENTER to confirm your selection or press MODE/ESC to exit.

Reset Others - With this function you can reset all other motors.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that **“Reset Function”** is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until **“Reset Others”** is displayed, press ENTER.
3. Press ENTER to confirm your selection or press MODE/ESC to exit.

EFFECT ADJUST

Test Channel - With this function you can test/correct each channel function.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that **“Effect Adjust”** is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until **“Test Channel”** is displayed, press ENTER.
3. Use the UP or DOWN buttons to scroll through the various channels.
4. Press ENTER or press MODE/ESC to exit.

SYSTEM MENU

Manual Control - With this function you can easily adjust the lamp. All effects will be canceled, the shutter will open and output intensity will be 100%. With the individual functions you can focus the light on flat surface (a wall) and finely adjust the lamp.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that “**Effect Adjust**” is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until “**Manual Control**” is displayed, press ENTER.
3. Use the UP or DOWN buttons to scroll through the various functions. Press ENTER when you find the function you would like to adjust.
4. Press ENTER or press MODE/ESC to exit.

Calibration - With this function you can calibrate and adjust the effects wheels to their correct positions. The Calibration password 050.

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that “**Effect Adjust**” is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until “**Calibration**” is displayed, press ENTER.
3. “**XXXX**” will be displayed. The password is 050.
4. Press ENTER to confirm or press MODE/ESC to exit.

USER MODE SET

User Mode -

1. Press the MODE/ESC button to access the main menu. Press the UP or DOWN buttons so that “**User Mode Set**” is highlighted, then press ENTER.
2. Press the UP or DOWN buttons until “**User Mode**” is displayed, press ENTER.
3. Use the UP or DOWN buttons to scroll through the 3 DMX Channel Modes:
 - Standard Mode** - This is 12 Channel Mode.
 - Basic Mode** - This is 10 Channel Mode.
 - Extended Mode** - This is 16 Channel Mode.
4. Press the MODE/ESC button once to return to the “**User Mode Set**” menu. Use the UP or DOWN buttons to scroll through the Edit modes. Press ENTER to select any of the Edit modes.

Edit User Mode – This function allows the user to make the actual changes in the user defined modes that are created in the previous function.

EDIT PROGRAM: - The fixture comes equipped with a built-in DMX recorder that allows custom programs to be installed and recalled directly from the fixture’s control board. Programs can be created and stored using the fixture’s control board or by using an external DMX controller.

Select Program – This function allows the user to select one of ten of the user defined built-in programs. This program is then accessed in “**Function Mode**” under “**Program Run.**”

Edit Program – This function allows the user to edit the built-in programs.

Edit Scenes – This function allows the user to edit or define the actual scenes that are stored in the user defined built-in programs that are accessed in the previous step.

Rec Controller - The Vizi Beam Hybrid 2R features an integrated DMX recorder. Preprogrammed scenes can be transmitted to the fixture via any DMX compliant controller. This function allows those scenes to be stored in to the fixture’s built-in memory and then subsequently used to create the user-defined programs.

PRIMARY/SECONDARY MODE

This function allows you to link units together to run in a Primary-Secondary set-up, in which one unit will act as the controlling unit and the others will react to the controlling unit's built-in programs. Any unit can be configured to act as a Primary or as a Secondary, but only one unit in a given system can be programmed to act as the Primary.

Primary-Secondary Connections and Settings:

1. Daisy chain your units via the XLR connectors on the rear panels of each unit. Use standard XLR data cables to link your units together. Remember that the male XLR connector is the input and the female XLR connector is the output. The first unit in the chain (primary) will use the female XLR connector only. The last unit in the chain will use the male XLR connector only.
2. Units are set to primary mode by default. For any unit(s) that you want to set up as a secondary, use the display screen and control panel to navigate to "Secondary" (Secondary Mode), and press SET UP. The unit should now operate in secondary mode.
3. Make sure that only one unit is designated as the Primary, while all other units are designated as Secondaries.
4. The secondary units will act in conjunction with the primary unit.

DMX SETUP

Power Supply: The ADJ Vizi Beam Hybrid 2R incorporates an electronic ballast, which automatically senses the voltage when it is plugged into the power source. With the electronic ballast, this unit can be plugged in anywhere.

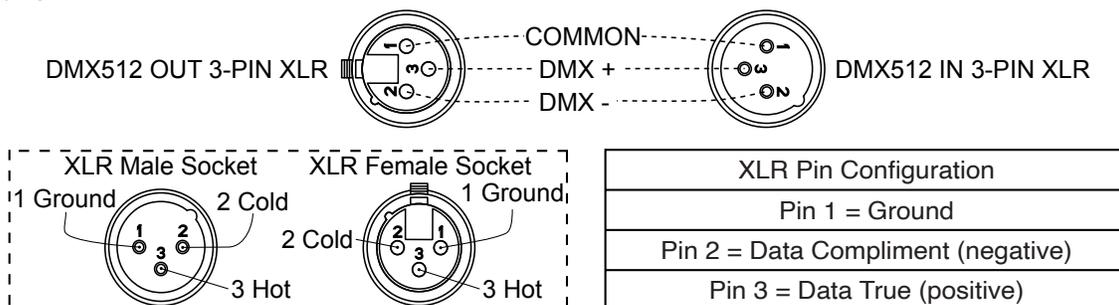
DMX-512: DMX stands for Digital Multiplex. This is a universal protocol used by most lighting and controller manufacturers as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions from the controller to the fixture. DMX data is sent as serial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

DMX Linking: DMX serves as a language that allows all makes and models from different manufacturers to be linked and operated from a single controller if all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission when using several DMX fixtures, 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. Therefore, the first fixture controlled by the controller could be the last fixture in the chain. 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 in the DMX chain.

Data Cable (DMX Cable) Requirements (For DMX and Primary/Secondary Operation): The Vizi Beam Hybrid 2R can be controlled via DMX-512 protocol. It can be either a 10, 12, or 16-channel DMX unit. The DMX address is electronically set using the controls on the front panel of the unit. One’s unit and DMX controller require an approved DMX-512 110 Ohm Data cable for data input and data output (Figure 1). Accu-Cable DMX cables are recommended. If one is making their 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). Cables should be made with a male and female XLR connector on either end of the cable. Also, remember that DMX cable must be daisy-chained and cannot be split.



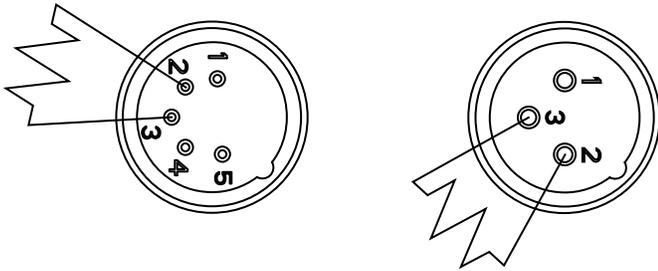
Notice: Be sure to follow figures two and three when making one’s own cables. Do not use the ground lug on the XLR connector. Do not connect the cable’s shield conductor to the ground lug or allow the shield conductor to contact the XLR’s outer casing. Grounding the shield could cause a short circuit and erratic behavior.



DMX SETUP

Power Supply: The ADJ Vizi Beam Hybrid 2R incorporates an electronic ballast, which automatically

Special Note: Line Termination: When using longer runs of cable, one 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 connects between pins 2 and 3 of a male XLR connector (DATA + and DATA -). Insert this unit into the female XLR connector of the last unit in one's 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: Some manufacturers use 5-pin DMX-512 data cables for DATA transmission instead of 3-pin. 5-pin DMX fixtures may be implemented in a 3-pin DMX line. When inserting standard 5-pin data cables into a 3-pin line, use a cable adaptor, readily available at most electric stores. The chart below details a proper cable conversion.



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

DMX TRAITS

CHANNEL			DMX VALUE	FUNCTION
10CH	12CH	16CH		
1	1	1	0-255	PAN MOVEMENT 8bit
	2	2	0-255	PAN FINE 16bit
2	3	3	0-255	TILT MOVEMENT 8bit
	4	4	0-255	TILT IFNE 16bit
3	5	5		COLOR WHEEL
			0-8	OPEN
			9-17	COLOR 1
			18-26	COLOR 2
			27-35	COLOR 3
			36-44	COLOR 4
			45-53	COLOR 5
			54-62	COLOR 6
			63-71	COLOR 7
			72-80	COLOR 8
			81-89	COLOR 9
			90-98	COLOR 10
			99-107	COLOR 11
			108-116	COLOR 12
			117-127	COLOR 13
			128-189	FORWARD RAINBOW EFFECT FAST - SLOW
			190-193	NO ROTATION
194-255	BACKWARDS RAINBOW EFFECT SLOW - FAST			
	6	0-255	WHEEL FINE - COLOR WHEEL CHANGE FINE	
4	6	7		GOBOS
			0-7	OPEN
			8-15	GOBO 1
			16-23	GOBO 2
			24-31	GOBO 3
			32-39	GOBO 4
			40-47	GOBO 5
			48-55	GOBO 6
			56-63	GOBO 7
			64-71	GOBO 8
			72-79	GOBO 9
			80-87	GOBO 10
			88-95	GOBO 11
			96-103	GOBO 12
			104-111	GOBO 13
			112-119	GOBO 14
			120-126	GOBO 1 SHAKE
			127-133	GOBO 2 SHAKE
			134-140	GOBO 3 SHAKE
			141-147	GOBO 4 SHAKE
			148-154	GOBO 5 SHAKE
			155-161	GOBO 6 SHAKE
			162-168	GOBO 7 SHAKE
			169-175	GOBO 8 SHAKE
			176-182	GOBO 9 SHAKE
			183-189	GOBO 10 SHAKE
			190-196	GOBO 11 SHAKE
			197-203	GOBO 12 SHAKE
			204-210	GOBO 13 SHAKE
			211-217	GOBO 14 SHAKE
218-255	GOBO WHEEL ROTATION SLOW - FAST			

DMX TRAITS

CHANNEL			DMX VALUE	FUNCTION	
10CH	12CH	16CH			
5	7	8	0-255	FIXED GOBO FINE INDEXING	
				PRISM/GOBO MACROS	
				0-31	OPEN
				32-79	FROST
				80-127	8 FACET PRISM
				128-135	MACRO 1
				136-143	MACRO 2
				144-151	MACRO 3
				152-159	MACRO 4
				160-167	MACRO 5
				168-175	MACRO 6
				176-183	MACRO 7
				184-191	MACRO 8
				192-199	MACRO 9
				200-207	MACRO 10
				208-215	MACRO 11
				216-223	MACRO 12
		224-231	MACRO 13		
		232-239	MACRO 14		
		240-247	MACRO 15		
		248-255	MACRO 16		
6	8	10		PRISM ROTATOIN	
			0-127	PRISM INDEXING	
			128-189	FORWARD PRISM ROTATION FAST - SLOW	
			190-193	NO ROTATION	
			194-255	BACKWARD PRISM ROTATION SLOW - FAST	
		11	0-255	PRISM ROTATION INDEXING	
7	9	12		SHUTTER & STROBE	
			0-31	SHUTTER CLOSED	
			32-63	SHUTTER OPEN	
			64-95	STROBING SLOW - FAST	
			96-127	SHUTTER OPEN	
			128-159	PULSE EFFECT IN SEQUENCES	
			160-191	SHUTTER OPEN	
			192-223	RANDOM STROBE SLOW - FAST	
224-255	SHUTTER OPEN				
8	10	13	0-255	MASTER DIMMER 0%-100%	
		14	0-255	FINE DIMMER INTENSITY	
9	11	15		PAN/TILT MOEMENT SPEED	
			0-225	MAX TO MIN. SPEED	
			226-235	BLACKOUT BY MOVEMENT	
			236-245	BLACKOUT BY WHEEL CHANGING	
			246-255	NO FUNCTION	
10	12	16		LAMP ON/OFF, RESET & PROGRAMS	
			0-19	COLOR CHANGE NORMAL	
			20-29	COLOR CHANGE TO ANY POSITION	
			30-39	COLOR & GOBO CHANGE TO ANY POSITION	
			40-59	LAMP ON	
			60-79	LAMP OFF	
			80-84	ALL MOTOR RESET	
			85-87	SCAN MOTOR RESET	
			88-90	COLOR MOTOR RESET	
			91-93	GOBO MOTOR RESET	
			94-96	SHUTTER/DIMMER MOTOR RESET	
			97-99	OTHER MOTOR RESET	
			100-119	INTERNAL PROGRAM 1	
			120-139	INTERNAL PROGRAM 2	
			140-159	INTERNAL PROGRAM 3	
			160-179	INTERNAL PROGRAM 4	
			180-199	INTERNAL PROGRAM 5	
200-219	INTERNAL PROGRAM 6				
220-239	INTERNAL PROGRAM 7				
240-255	SOUND ACTIVE PROGRAM				

ERROR CODES

When power is applied, the unit will automatically enter a “**reset/test**” mode. This mode brings all the internal motors to home position. If there is an internal problem with one or more of the motors, an error code will flash in the display in the form of “**XXer**”, where “**XX**” represents a function number. For example, when the display shows “**03Er**,” it means there is an error with the channel 3 motor. If there are multiple errors during the start-up process, they will all flash in the display. For example: if the fixture has errors on channel 1 and channel 3 at the same time, an error message, “**01Er**”, and “**03Er**”, flashes 5 times.

If an error does occur during the initial start-up procedure the fixture will self-generate a second reset signal and try to realign all the motors and correct the errors, if the errors persist after a second attempt a third attempt will be made.

If after a third attempt all the errors have not been corrected the fixture will make the following determinations:

1. 3 or more errors - The fixture cannot function properly with three or more errors therefore the fixture will place itself in a stand-by mode until subsequent repairs can be made.
2. Less than 3 errors - If the fixture has less than 3 errors, most other functions will work properly. The fixture will attempt to operate normally until the errors can be corrected by a technician. The errors in question will remain flashing in the display as a reminder of internal errors.

01Er – PAN movement error: This message will appear after a fixture reset, if the pan-yoke’s magnetic-indexing circuit malfunctions (sensor failed or magnet is missing) or there is a stepper motor failure (defective motor or a defective motor IC drive on the main PCB).

03Er – TILT movement error: This message will appear after a fixture reset, if the tilt magnetic-indexing circuit malfunctions (sensor failed or magnet is missing) or there is a stepper motor failure (defective motor or a defective motor IC drive on the main PCB).

05Er – COLOR WHEEL error: This message will appear after a fixture reset, if the head’s magnetic-indexing circuit malfunctions (sensor failed or magnet is missing) or there is a stepper motor failure (defective motor or a defective motor IC drive on the main PCB).

06Er – FIXED GOBOS error: This message will appear after a fixture reset, if the magnetic-indexing circuit malfunctions (sensor failed or magnet is missing) or there is a stepper motor failure (defective motor or a defective motor IC drive on the main PCB).

MAINTENANCE GUIDELINES

DISCONNECT POWER BEFORE PERFORMING ANY MAINTENANCE!

FUZE REPLACEMENT

Locate and remove the unit's power cord. Once the cord has been removed, locate the fuse holder inside the power socket. Insert a flat-head screw driver into the power socket, and gently pry out the fuse holder. Remove the bad fuse, and replace with a new one. The fuse holder has a built-in socket for a spare fuse be sure not to confuse the spare fuse with active fuse.

CLEANING

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

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

MAINTENANCE

Regular inspections are recommended to ensure proper function and extended life.

There are no user serviceable parts inside this fixture, please refer all other service issues to an authorized ADJ service technician. Should you need any spare parts, please order genuine parts from 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 in order to 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 or liquids to enter into the fixture. Damaged rigging points or unsecured rigging could cause 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.

SPECIFICATIONS

- Compact high output moving head powered with a bright Philips® Platinum 2R MSD source
- 3 Operational modes: DMX controller, Primary/Secondary & Sound Active
- 3 DMX Channel modes (12, 10 or 16 Ch.)
- 7 Built-in programs that be used by a DMX controller.
- 13 colors + white, with two direction rainbow effect
- 14 Fixed Gobo Patterns + Spot
- Independent gobo and color wheels
- Gobo scroll mode
- Auto X-Y repositioning
- 6-Button menu system LED color display making it easy to navigate
- Display can be changed 180° reverse to fit different installation positions
- Gobo, Shake and indexing
- 8-Facet Prism
- Frost Filter
- 16 Gobo / Prism macros
- 540°/630° pan / 270° tilt (8-bit)
- 16-bit fine pan/tilt control
- Shutter: Pulse effect; random strobe slow to fast
- Electronic Dimming: 0% - 100%
- Fan Cooled
- Stepper motors with micro stepping
- Power consumption: 210W
- 3-pin XLR In/Out
- Multi-voltage Operation: 100-240V, 50Hz/60Hz
- Power Cable Length: 1.8M (IEC)
- Lamp: Philips® MSD Platinum 2R discharge 135W, 8.000°K – 6.000 hr. long life
- Light Output: 42480 LUX @10M; 18690 LUX @15M (4-degree beam)
- Dimensions (LxWxH): 16.75" x 12.5" x 9.25"/ 420 x 306 x 289mm
- Weight: 23 lbs. / 10 kgs
- ETL Approved



Intertek
4010832



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!

