

SATURA PROFILE™

user manual

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DOCUMENT VERSION

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

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

| Date | Document Version | Software Version ≥ | DMX Channel Modes | Notes |
|----------|------------------|--------------------|-------------------|--|
| 3/23/16 | 1 | 1.02 | 33 / 35 / 54 | Initial release. |
| 5/27/16 | 2 | 1.03 | 33 / 35 / 54 | Added Fast Mode to System Menu. |
| 7/26/16 | 2.2 | N/C | NO CHANGE | Added Art-NET network switch note. |
| 10/23/16 | 2.4 | N/C | NO CHANGE | Added Gobo size details. |
| 11/09/16 | 3 | 1.06 | NO CHANGE | Added LED Refresh, Gamma, sACN. |
| 06/22/17 | 3.2 | 1.07 | NO CHANGE | Added NO ROTATION DMX values for Rotating Gobo Wheel. |
| 04/25/18 | 3.4 | 1.0.10 | NO CHANGE | Updated System Menu. |
| 12/05/18 | 3.6 | N/C | NO CHANGE | Updated release. |
| 01/22/19 | 3.8 | N/C | See Notes | Updated DMX Traits to support optional Static Gobo/Animation Wheel Kit, adding installation steps. |
| 04/09/20 | 4.0 | N/C | NO CHANGE | Update power consumption |

CONTENTS

| | |
|---|----|
| General Information | 4 |
| Limited Warranty (USA Only) | 5 |
| Safety Guidelines | 6 |
| Maintenance Guidelines | 8 |
| Fixture Overview | 9 |
| Installation Guidelines | 10 |
| Optional Static Gobo Animation Wheel Installation | 14 |
| System Menu | 18 |
| DMX Channel Functions And Values | 28 |
| Error Codes | 35 |
| Specifications | 37 |
| Optional Accessories | 39 |

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.

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 (x2)
powerCON Cable
Safety Cable

CUSTOMER SUPPORT

Contact ELATION Service for any product related service and support needs. Also visit forums.elationlighting.com with questions, comments or suggestions.

ELATION SERVICE USA - Monday - Friday 8:00am to 4:30pm PST
323-582-3322 | Fax 323-832-9142 | support@elationlighting.com

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REPLACEMENT PARTS please visit parts.elationlighting.com



I M P O R T A N T N O T I C E !

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

LIMITED WARRANTY (USA ONLY)

A. Elation Professional hereby warrants, to the original purchaser, Elation Professional products to be free of manufacturing defects in material and workmanship for a period of two years (730 days), and Elation Professional product rechargeable batteries to be free of manufacturing defects in material and workmanship for a period of six months (180 days), from the original date of purchase. This warranty excludes discharge lamps and all product accessories. 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, send the product only to the Elation Professional factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, Elation Professional will pay return shipping charges only to a designated point within the United States. If any product is sent, it must be shipped in its original package and packaging material. No accessories should be shipped with the product. If any accessories are shipped with the product, Elation Professional shall have no liability what so ever for loss and/or or damage to any such accessories, nor for the safe return thereof. C. This warranty is void if the product serial number and/or labels are altered or removed; if the product is modified in any manner which Elation Professional concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the Elation Professional factory unless prior written authorization was issued to purchaser by Elation Professional; if the product is damaged because not properly maintained as set forth in the product instructions, guidelines and/or user manual. D. This is not a service contract, and this warranty does not include any maintenance, cleaning or periodic check-up. During the periods as specified above, Elation Professional will replace defective parts at its expense, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of Elation Professional under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of Elation Professional. All products covered by this warranty were manufactured after January 1, 1990, and bare identifying marks to that effect. E. Elation Professional reserves the right to make changes in design and/or performance 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 the products described above. Except to the extent prohibited by applicable law, all implied warranties made by Elation Professional in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty periods set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said periods have 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 Elation Professional be liable for any loss and/or damage, direct and/or consequential, arising out of the use of, and/or the inability to use, this product. G. This warranty is the only written warranty applicable to Elation Professional products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

WARRANTY RETURNS

All returned service items whether under warranty or not, must be freight pre-paid and accompany a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper and included in the shipping container. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. Items returned without a R.A. number clearly marked on the outside of the package will be refused and returned at customer's expense. You may obtain a R.A. number by contacting customer support. **ONLY** Use the original packaging and materials to transport the fixture in for service.

SAFETY GUIDELINES

This fixture is an extremely sophisticated piece of electronic equipment. To guarantee a smooth operation, it is important to follow all instructions and guidelines in this manual. The manufacturer of this device 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 mounting hardware included will void the original manufactures warranty and increase the risk of damage and/or personal injury.



PROTECTION CLASS 1 - FIXTURE MUST BE PROPERLY GROUNDED

**THERE ARE NO USER SERVICEABLE PARTS INSIDE THIS UNIT.
DO NOT ATTEMPT ANY REPAIRS YOURSELF; DOING SO WILL VOID YOUR
MANUFACTURES WARRANTY. DAMAGES RESULTING FROM
MODIFICATIONS TO THIS FIXTURE AND/OR THE DISREGARD OF SAFETY
INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE
MANUFACTURES 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 1.6 FEET (0.5 METERS)**

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

S A F E T Y G U I D E L I N E S

DO NOT TOUCH the fixture housing during operation. Turn OFF the power and allow approximately 15 minutes for the fixture to cool down before serving.

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

DO NOT operate fixture if the power cord is frayed, crimped, damaged and/or if any of the power cord connectors are damaged and do not insert into the fixture securely with ease.

NEVER force a power cord connector into the fixture. If the power cord or any of its connectors are damaged, replace it immediately with a new one of similar power rating.

DO NOT block any air ventilation slots.

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

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

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.

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 at least every 20 days with a soft cloth to avoid dirt/debris accumulation.

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

MAINTENANCE

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

There are no user serviceable parts inside this fixture, please refer all other service issues to an authorized Elation service technician. Should you need any spare parts, please order genuine parts from your local Elation dealer.

Please refer to the following points during routine inspections:

A detailed electric check by an approved electrical engineer every three months, to make sure the circuit contacts are in good condition and prevent overheating.

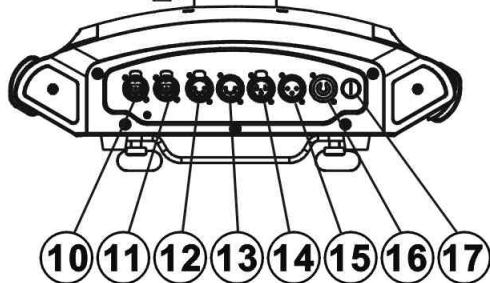
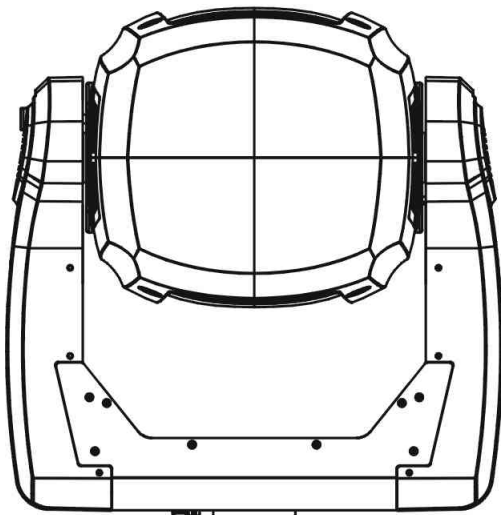
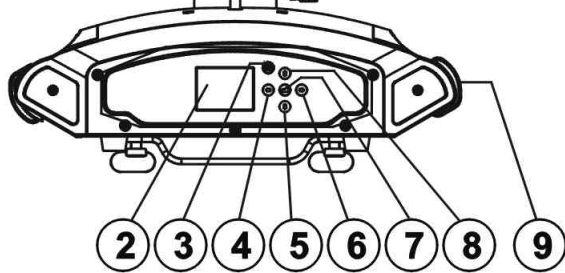
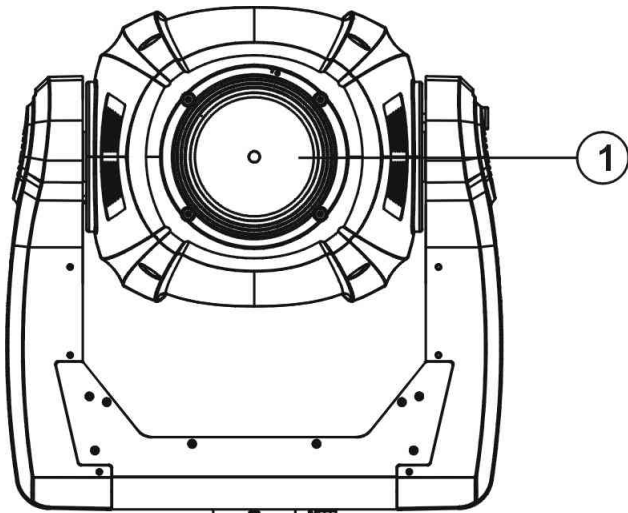
Be sure all screws and fasteners are securely tightened at all times. Loose screws may fall out during normal operation resulting in damage or injury as larger parts could fall.

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.

FIXTURE OVERVIEW



1. Lens
2. LCD Menu Function Display
3. MODE/ESC Button
4. LEFT Button
5. DOWN Button
6. RIGHT Button
7. ENTER Button
8. UP Button
9. Carrying Handle(s)
10. RJ45 Input
11. RJ45 Output
12. 3pin DMX Output
13. 3pin DMX Input
14. 5pin DMX Output
15. 5pin DMX Input
16. powerCON Input
17. Fuse

INSTALLATION GUIDELINES



FLAMMABLE MATERIAL WARNING

Keep fixture minimum 5.0 feet (1.5m) 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 1.6 FEET (0.5 METERS)**



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

Fixture ambient operating temperature range is **14° to 113°F. (-10° to 45°C)**

Do not use the fixture under or above this temperature.

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

NEVER stand directly below the fixture when rigging, removing or servicing.

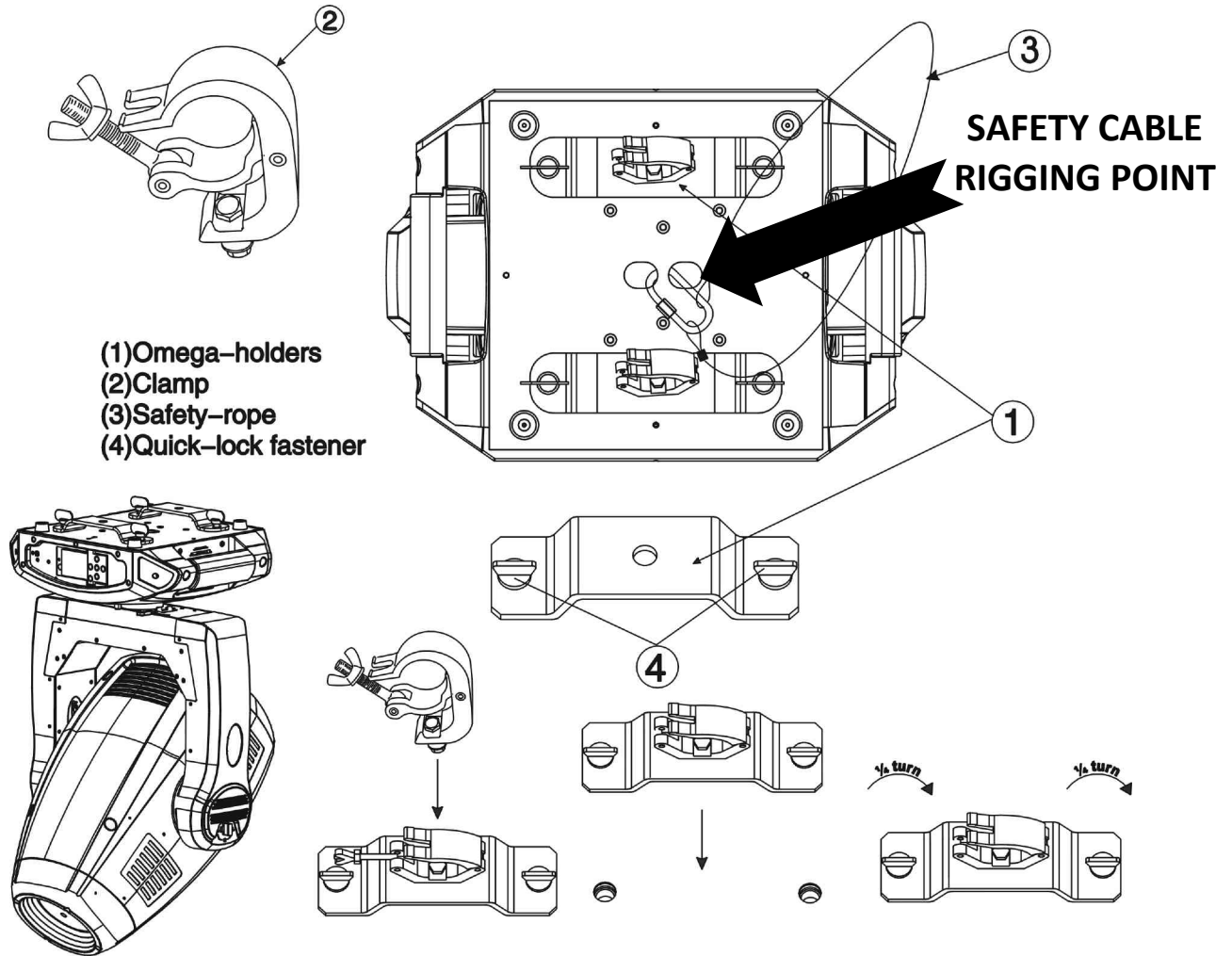
Overhead fixture installation must always be secured with a secondary safety attachment, such as an appropriately rated safety cable.

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

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 $\frac{1}{4}$ turn clockwise; making sure the fastener is completely locked.



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 a built-in rigging point for a **SAFETY CABLE**. Be sure to only use the designated rigging point for the safety cable and never secure a safety cable to a carrying handle.

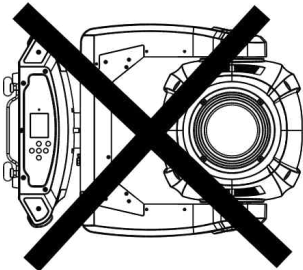
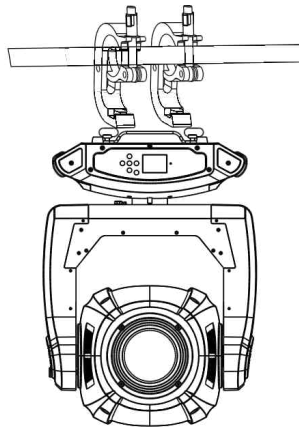
INSTALLATION GUIDELINES

RIGGING

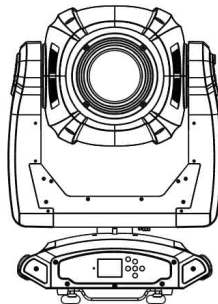
Overhead rigging requires extensive experience, including amongst others calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the fixture. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury. Fixture is fully operational in the specific mounting positions illustrated below.



SIDE MOUNTING IS NOT PERMITTED



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.



ART-NET CONNECTION

When connecting fixture to a network switch to control multiple devices, a **Gigabit Ethernet Switch** that supports **IGMP (Internet Group Management Protocol)** is required. Using a **Gigabit Ethernet Switch** that does not support **IGMP** can cause erratic behavior of all connected devices to the switch.

Click link below for more information about IGMP.

https://en.wikipedia.org/wiki/Internet_Group_Management_Protocol

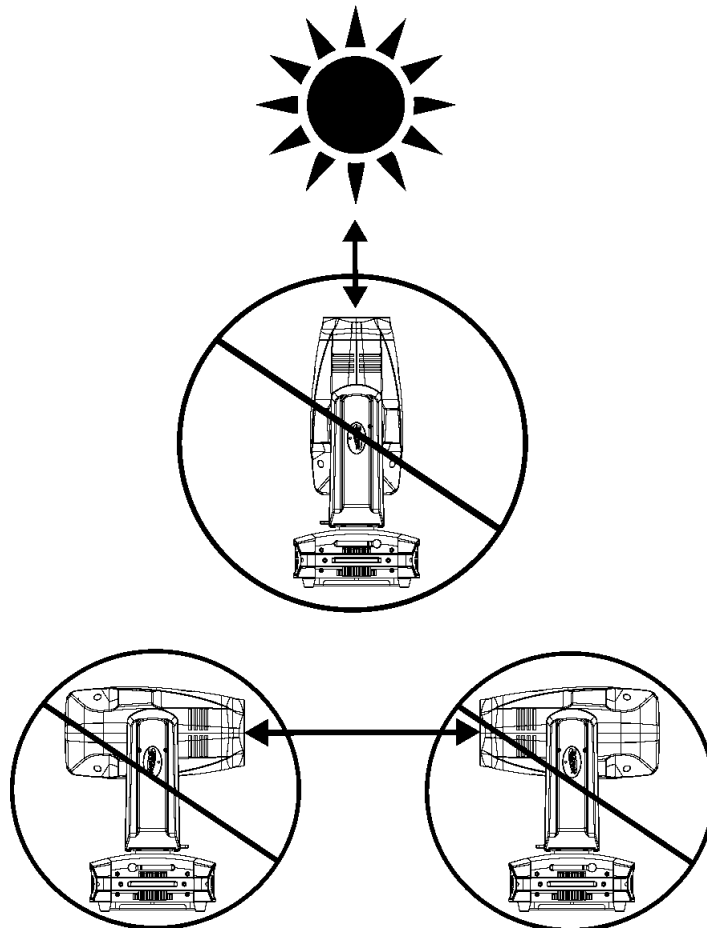
INSTALLATION GUIDELINES

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 ELATION 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 ELATION 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 ELATION 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.



OPTIONAL STATIC GOBO ANIMATION WHEEL INSTALLATION

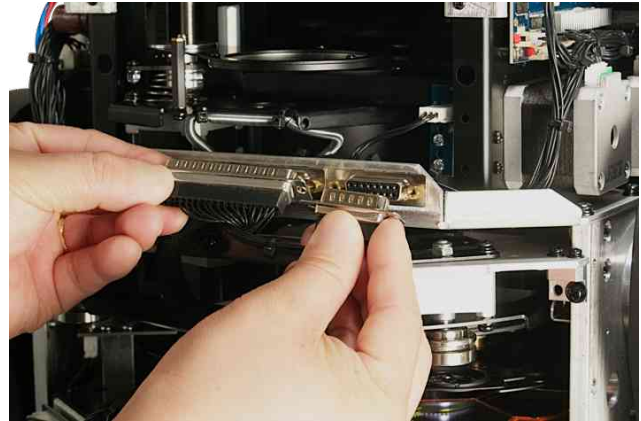
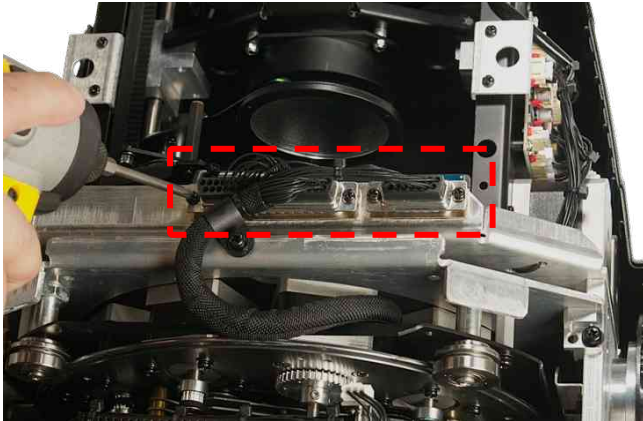


1. Place fixture on a flat surface and lock head in an upright position with TILT lock engaged.



2. Remove (2x) Phillips screws securing top and bottom head panel covers, remove both covers.

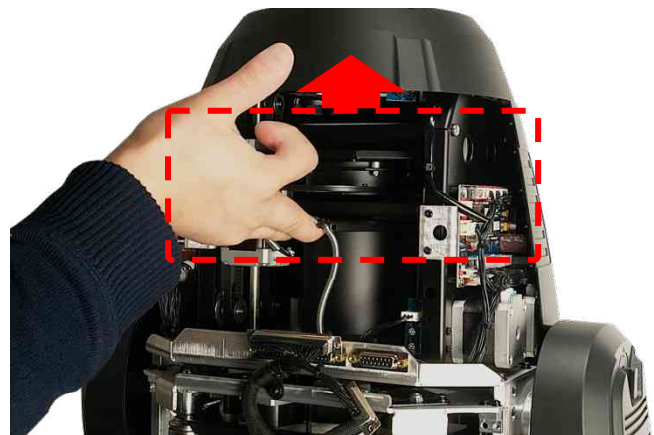
OPTIONAL STATIC GOBO ANIMATION WHEEL INSTALLATION



3. Remove (4x) #2 Philips screws securing 2 wire harness connectors, then carefully unplug both connectors.

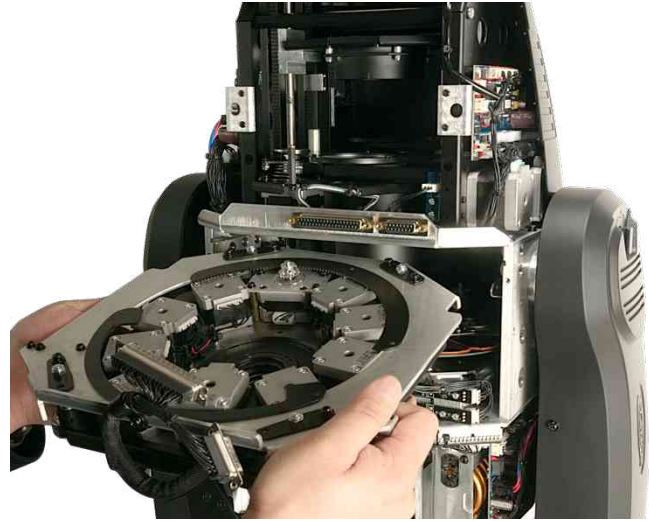
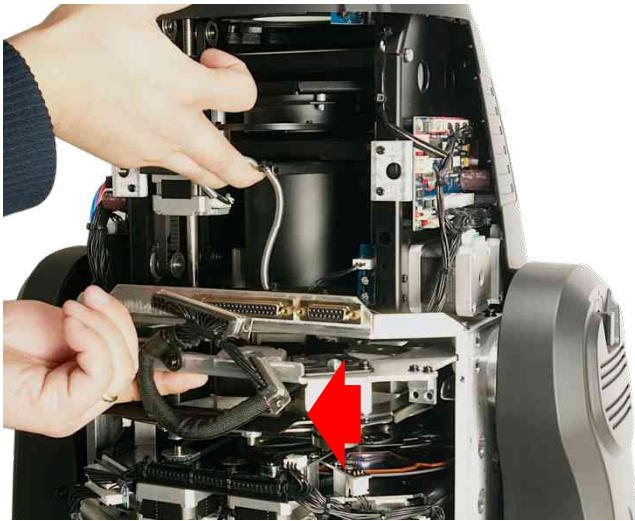


4. Remove (2x) #2 Philips screws securing the effect module.

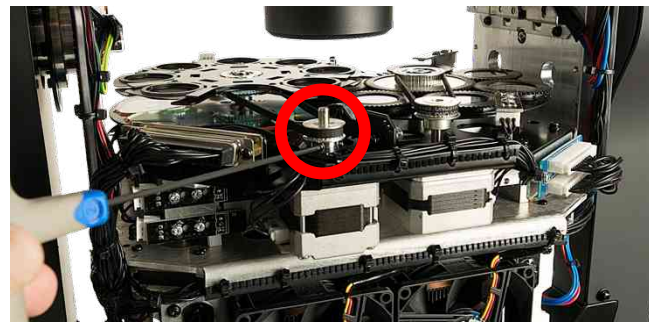
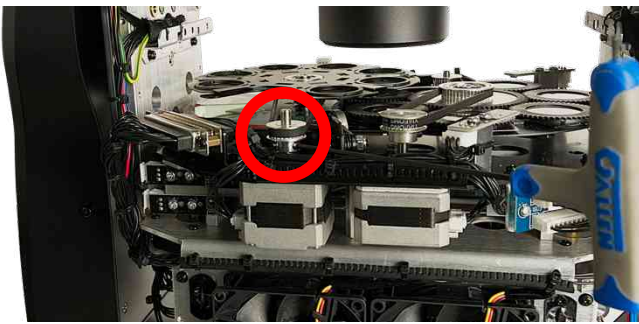


5. Because the internal lens assembly passes through the effect module tray, it needs to be lifted out and away from the effect module in order to remove it.

OPTIONAL STATIC GOBO ANIMATION WHEEL INSTALLATION



6. With the internal lens assembly lifted, carefully remove the effect module from fixture.

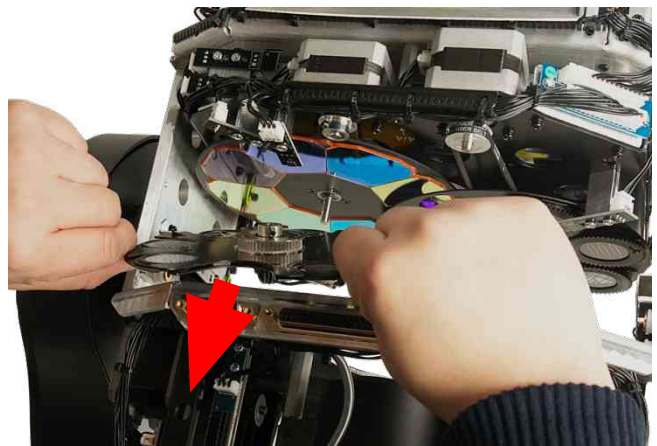


7. Loosen (2x) #2 Allen set-screws securing the belt gear spindle. This will reduce the belt tension on the Static Gobo wheel gear spindle.



8. Loosen (2x) #2 Allen set-screws on the Static Gobo wheel gear spindle (located between the Static Gobo wheel and the Color wheel).

OPTIONAL STATIC GOBO ANIMATION WHEEL INSTALLATION



9. Because the internal lens assembly impedes the removal path of the Static Gobo wheel, disengage the TILT lock and invert the head. This will lower the internal lens assembly out and away, providing a clear path to remove the Static Gobo wheel.



10. If using any of the stock Gobos, carefully remove them from the Static Gobo wheel.

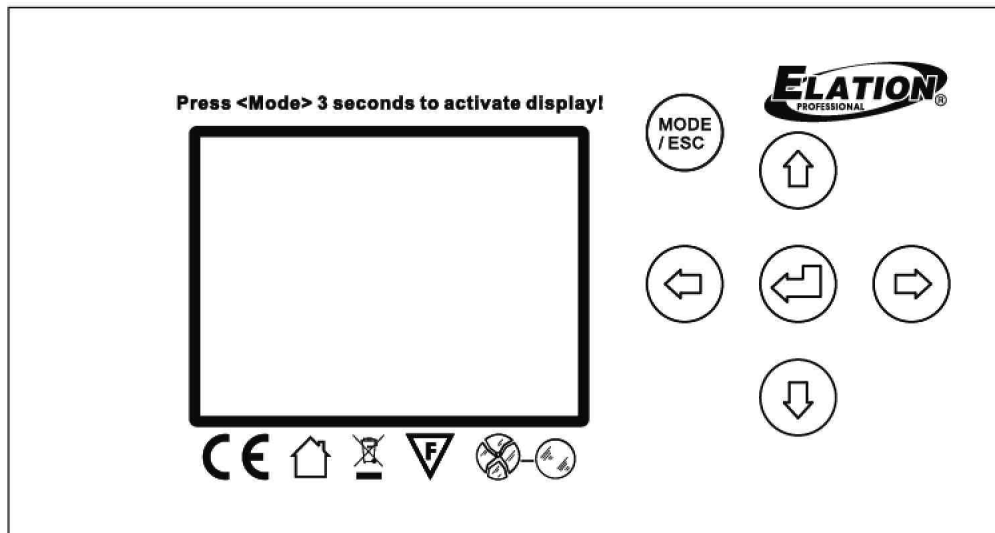


11. Carefully insert the desired Static Metal Gobos into the new Gobo/Animation wheel, making sure each of the 4 Static Metal Gobos are securely in place before installing Gobo/Animation wheel into the fixture. Reverse instructions to complete installation.

SYSTEM MENU

The fixture includes an easy to navigate system menu. The control panel (see image below) located on the front of the fixture, provides access to the main system menu and is where all necessary system adjustments are made to the fixture. During normal operation, pressing **MODE/ESC** button once will access the fixture's main menu. Once in the main menu you can navigate through the different functions and access the sub-menus with the **UP, DOWN, RIGHT, and LEFT** buttons. Once you reach a field that requires adjusting, press the **ENTER** button to activate that field and use the **UP** and **DOWN** buttons to adjust the field. Pressing the **ENTER** button once more will confirm your setting. You may exit the main menu at any time without making any adjustments by pressing the **MODE/ESC** button.

To access the LCD Menu Control Display via the internal battery, press and hold the **MODE/ESC** button for 3 seconds. The LCD Menu Control Display will shut **OFF** automatically about 1 minute from the last button press.



ELATION SATURA PROFILE SYSTEM MENU

Supports Software Versions: ≥ 1.0.2

Features are subject to change without any prior written notice.

| MAIN MENU | SUB MENU | OPTIONS / VALUES (Default Settings in BOLD) | | DESCRIPTION |
|------------------|----------------------------------|---|--|---|
| FUNCTION | Set Dmx Address | A001~AXXX | | DMX Address Setting |
| | Dmx Value | ALL..... | | DMX Value Display |
| | Slave Mode | Slave1, Slave2, Slave3 | | Slave Setting |
| | Auto Program | Master / Alone | | Auto Program |
| INFORMATION | Time Information | Current Time | XXXX (Hours) | Fixture Run Time From Power ON |
| | | Total Run Time | XXXX (Hours) | Fixture Total Run Time |
| | | Last Run Time | XXXX (Hours) | Clear Fixture Last Run Time |
| | | LastRun Password | Password=XXX | Password 038 |
| | | Clear Last Run | ON / OFF | Clear Fixture Last Run Time |
| | Temperature Info | Head Temperature | XXX C° / F° | Temperature in Fixture Head |
| | Ethernet IP | XXX.XXX.XXX.XXX | | Fixture IP Address |
| | | XXX.XXX.XXX.XXX | | |
| | Fan Speed | 1U_Fan1: ~ 5U_Fan2: | XXX RPM | Fan Speeds |
| Software Version | 1U01: - 7U01: | ≥V1.0.2 | Software Version | |
| Error Info | Error Record 1 ~ Error Record 10 | | Pan.... | |
| PERSONALITY | Status Settings | Address via DMX | ON/OFF | Address Via DMX |
| | | No DMX Status | Close Shutter / Hold / Auto Program | 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 |
| | | Hibernation | OFF, 01M~99M, 15M | Stand By Mode |
| | | Dimmer Mode | Standard , Stage, TV, Architectural, Theatre | Set Dimmer Curve Mode |
| | Service Setting | Password | Password= 050 | Service Password |
| | | RDM PID | XXXXX | RDM PID Code (PSWD Required) |
| | | Ethernet IP | XXX . XXX . XXX . XXX | Ethernet IP (PSWD Required) |
| | | Ethernet Mask IP | XXX . XXX . XXX . XXX | Ethernet Mask IP (PSWD Required) |
| | | Clear Err. Info | ON/OFF | Clear Error Info (PSWD Required) |
| | Fans Control | Auto , Silent | | Select Fans Mode |
| | Display Setting | Shutoff Time | 02~60m 05m | Display Shut Off Time |
| | | Display Reverse | ON/OFF | Display Reverse 180° |
| | | Key Lock | ON/OFF | Key Lock |
| | Temperature C/F | Celsius/Fahrenheit | | Temperature Switch Between C° / F° |
| | Initial Status | PAN =XXX | | Initial Effect Position |
| | Select Signal | DMX Only | | DMX Only |
| | | Art-Net on IP2 | | Select Art-Net IP02 |
| | | Art-Net on IP10 | | Select Art-Net IP010 |
| | Set Universe | 000 - 255 | | Set ArtNet Universe |
| | Reset Default | ON/OFF | Password = 011 | Restore Factory Settings (PSWD Required) |

SYSTEM MENU CHANGE WITH SOFTWARE UPDATE VERSION ≥1.0.3

See highlighted menu items below which have been updated with this software update.

| | | | | |
|-------------|-----------------|-----------|--------|------------------|
| PERSONALITY | Status Settings | Fast Mode | ON/OFF | Fast Mode Select |
|-------------|-----------------|-----------|--------|------------------|

SYSTEM MENU CHANGE WITH SOFTWARE UPDATE VERSION ≥1.0.6

See highlighted menu items below which have been updated with this software update.

| | | | |
|-------------|---------------|---|--------------------------------|
| PERSONALITY | Refresh | 1200, 900-1500, 2500, 4000, 5000, 10000, 15000, 20000, 25000 (Hz) | Refresh Frequency Rate Setting |
| | Gamma | Gama = 2.0 , 2.2, 2.4, 2.8 | Gamma Setting |
| | Select Signal | DMX Only | DMX Only |
| | | Art-Net on IP2 | Select Art-Net IP02 |
| | | Art-Net on IP10 | Select Art-Net IP010 |
| | sACN | Select sACN | |

| ELATION© SATURA PROFILE SYSTEM MENU | | | | |
|--|------------------|--|-------------------------------------|--|
| Supports Software Versions: ≥ 1.0.2 | | | | |
| Features are subject to change without any prior written notice. | | | | |
| MAIN MENU | SUB MENU | OPTIONS / VALUES (Default Settings in BOLD) | DESCRIPTION | |
| Reset Function | Reset All | | Reset All Motors | |
| | Reset Pan&Tilt | | Reset Pan/Tilt | |
| | Reset Colors | | Reset Color Wheel | |
| | Reset Gobos | | Reset Gobos | |
| | Reset Others | | Reset Other Motors | |
| Effect Adjust | Test Channel | PAN | Test function | |
| | Manual Control | PAN =XXX, | Fine Adjustments | |
| | Calibration | Calibration Password | Password 050 (PSWD Required) | |
| User Mode Set | User Mode | Standard Mode | DMX Channel Modes | |
| | | Basic Mode | | |
| | | Extended Mode | | |
| | | User Mode A | User Defined Channel Assignment | |
| | | User Mode B | | |
| | User Mode C | | | |
| | Edit User Mode | Edit User Mode A | Max Channel = XX PAN = CH01 | Edits User Defined Channel Assignments |
| | Edit User Mode B | | | |
| | Edit User Mode C | | | |
| Edit Program | Select Program | Auto Pro Part1 = Program 1~10 (Program 1) | Select Programs To Be Run | |
| | | Auto Pro Part2 = Program 1~10 (Program 2) | | |
| | | Auto Pro Part3 = Program 1~10 (Program 3) | | |
| | Edit Program | Program 1 | Program Test | Testing Program |
| | | : | Step 01=SCxxx | Program In Loop |
| | | Program 10 | Step 64=SCxxx | Save and Exit |
| | Edit Scenes | Scene 001 ~ Scene 250 | Pan,Tilt,..... | Save and Automatically Return |
| | | | --Fade Time-- --Scene Time-- | Manual Scenes Edit |
| Input By Outside | | | Stores Scenes via Ext DMX Console | |
| Rec. Controller | XX~XX | | Automatic Scenes Recorder | |

SYSTEM MENU CHANGE WITH SOFTWARE UPDATE VERSION ≥1.0.10

See highlighted menu items below which have been updated with this software update.

| Features are subject to change without any prior written notice. | | | | |
|--|----------------------------------|---|---|---|
| MAIN MENU | SUB MENU | OPTIONS / VALUES (Default Settings in BOLD) | | DESCRIPTION |
| FUNCTION | Set Dmx Address | A001~AXXX | | DMX Address Setting |
| | Dmx Value | ALL..... | | DMX Value Display |
| | Slave Mode | Slave1, Slave2, Slave3 | | Slave Setting |
| | Auto Program | Master / Alone | | Auto Program |
| INFORMATION | Time Information | Current Time | XXXX (Hours) | Fixture Run Time From Power ON |
| | | Total Run Time | XXXX (Hours) | Fixture Total Run Time |
| | | Last Run Time | XXXX (Hours) | Clear Fixture Last Run Time |
| | | LastRun Password | Password=XXX | Password 038 |
| | | Clear Last Run | ON / OFF | Clear Fixture Last Run Time |
| | Temperature Info | Head Temperature | XXX C° / F ° | Temperature in Fixture Head |
| | Ethernet IP | XXX.XXX.XXX.XXX | | Fixture IP Address |
| | | XXX.XXX.XXX.XXX | | |
| | Fan Speed | 1U_Fan1: ~ 5U_Fan2: | XXX RPM | Fan Speeds |
| | Software Version | 1U01: - 7U01: | ≥V1.0.10 | Software Version |
| Error Info | Error Record 1 ~ Error Record 10 | | Pan.... | |
| PERSONALITY | Status Settings | Address via DMX | ON/OFF | Address Via DMX |
| | | No DMX Status | Close Shutter / Hold / Auto Program | 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 |
| | | Fast Mode | ON/OFF | Fast Mode Select |
| | | Hibernation | OFF, 01M~99M, 15M | Stand By Mode |
| | | Dimmer Mode | Standard , Stage, TV, Architectural, Theatre | Set Dimmer Curve Mode |
| | Service Setting | Password | Password= 050 | Service Password |
| | | RDM PID | XXXXX | RDM PID Code (PSWD Required) |
| | | Ethernet IP | XXX . XXX . XXX . XXX | Ethernet IP (PSWD Required) |
| | | Ethernet Mask IP | XXX . XXX . XXX . XXX | Ethernet Mask IP (PSWD Required) |
| | | Clear Err. Info | ON/OFF | Clear Error Info (PSWD Required) |
| | Fans Control | Auto , Silent | | Select Fans Mode |
| | Display Setting | Shutoff Time | 02~60m 05m | Display Shut Off Time |
| | | Display Reverse | ON/OFF | Display Reverse 180° |
| | | Key Lock | ON/OFF | Key Lock |
| | Temperature C/F | Celsius/Fahrenheit | | Temperature Switch Between C°/ F° |
| | Initial Status | PAN =XXX | | Initial Effect Position |
| | Refresh | 1200, 900-1500, 2500, 4000, 5000, 10000, 15000, 20000, 25000 (Hz) | | Refresh Frequency Rate Setting |
| | Gamma | Gama = 2.0 , 2.2, 2.4, 2.8 | | Gamma Setting |
| | Select Signal | DMX Only | | DMX Only |
| | | Art-Net | | Select Art-Net |
| | | sACN | | Select sACN |
| | Set Universe | 000 - 32767 | | Set ArtNet Universe |
| | Reset Default | ON/OFF | Password= 011 | Restore Factory Settings (PSWD Required) |

Supports Software Versions: ≥ 1.0.10

Features are subject to change without any prior written notice.

| MAIN MENU | SUB MENU | OPTIONS / VALUES (Default Settings in BOLD) | | DESCRIPTION | |
|------------------|-----------------|--|---------------------------------|-------------------------------------|--|
| Reset Function | Reset All | | | Reset All Motors | |
| | Reset Pan&Tilt | | | Reset Pan/Tilt | |
| | Reset Colors | | | Reset Color Wheel | |
| | Reset Gobos | | | Reset Gobos | |
| | Reset Others | | | Reset Other Motors | |
| Effect Adjust | Test Channel | PAN | | Test function | |
| | Manual Control | PAN =XXX, | | Fine Adjustments | |
| | Calibration | Calibration Password | | Password 050 (PSWD Required) | |
| User Mode Set | User Mode | Standard Mode | | DMX Channel Modes | |
| | | Basic Mode | | | |
| | | Extended Mode | | | |
| | | User Mode A | | User Defined Channel Assignment | |
| | | User Mode B | | | |
| | User Mode C | | | | |
| | Edit User Mode | Edit User Mode A | Max Channel = XX | | Edits User Defined Channel Assignments |
| Edit User Mode B | | | | | |
| Edit User Mode C | | PAN = CH01 | | | |
| Edit Program | Select Program | Auto Pro Part1 = Program 1~10 (Program 1) | | Select Programs To Be Run | |
| | | Auto Pro Part2 = Program 1~10 (Program 2) | | | |
| | | Auto Pro Part3 = Program 1~10 (Program 3) | | | |
| | Edit Program | Program 1 | Program Test | | Testing Program |
| | | : | Step 01=SCxxx | | Program In Loop |
| | | Program 10 | Step 64=SCxxx | | Save and Exit |
| | Edit Scenes | Scene 001 ~ Scene 250 | Pan,Tilt,..... | | Save and Automatically Return |
| | | | --Fade Time-- --Scene Time-- | | Manual Scenes Edit |
| | | | Input By Outside | | Stores Scenes via Ext DMX Console |
| | Rec. Controller | XX~XX | | | Automatic Scenes Recorder |

FUNCTION - Auto Program

Define fixture mode (**Master or Alone**) for running Auto Programs. Select desired internal programs under “**Select Program**”, set the number of steps under “**Edit Program**”, and edit individual scenes under “**Edit Scenes**”.

PERSONALITY - Status Settings - Address Via DMX

When ON, define the desired DMX address via an external controller.

NOTE: This process assumes the fixture DMX address is set to 001. If fixture DMX address is not at 001, you must adjust the channel numbers accordingly in order for this feature to work.

For example: if your fixture address is 010, then Channel 1 becomes Channel 10, Channel 2 becomes Channel 11, and Channel 3 becomes Channel 12.

1. Connect the fixture to the external controller and power ON.
2. Set the DMX value of **Channel 1** on the controller to **(7)**.
3. Set the DMX value of **Channel 2** on the controller to **(7)** or **(8)**.
When set to **(7)**, the DMX address can be set between **(1)** and **(255)**.
When set to **(8)**, the DMX address can be set between **(256)** and **(511)**.
4. Using **Channel 3** on the controller set the desired DMX address of the fixture.

Example 1:

If the desired DMX address is **57**, set **Channel 1** to a value of **(7)**, set **Channel 2** to a value of **(7)**, and then set **Channel 3** to a value of **(57)**.

Example 2:

If the desired DMX address is **420**, set **Channel 1** to a value of **(7)**, set **Channel 2** to a value of **(8)**, and then set **Channel 3** to a value of **(164)**. (256+164=420)

5. After setting **Channel 3** to the desired DMX address value, wait for approximately 20 seconds for the fixture to complete the address reset function.

PERSONALITY – Service Setting – Password (050)

NOTE: The Service Password MUST be entered in order to access the following menus: RDM PID, Ethernet IP, Ethernet IP Mask, and Clear Err. Info.

PERSONALITY – Service Setting - RDM PID

Select various submenus via RDM.

RDM stands for "Remote Device Management", which provides the ability to control the device remotely while connected to a DMX-bus. ANSI E1.20-2006 by ESTA specifies the RDM standard as an extension of the DMX512 protocol. Manual settings like adjusting the DMX starting address are no longer needed. This is especially useful when the device is installed in a remote area.

RDM ready and conventional DMX devices can be operated in one DMX line. The RDM protocol sends its own packages in the DMX512 data feed and does not influence conventional devices. If DMX splitters are used and RDM control is to be used, these splitters must support RDM. The number and type of RDM parameters depend on the RDM controller being used.

PERSONALITY - Display Setting – Key Lock

When ON, Control Panel buttons lock automatically after exiting main menu for 15 seconds. To unlock, keep **MODE/ESC** button pressed for 3 seconds.

EFFECT ADJUST – Test Channel

Select and auto test each individual channel function independently from the DMX control board.

EFFECT ADJUST – Manual Control

Select and manually test and fine adjust each individual channel function independently from DMX control board. This function will center PAN and TILT motors and set dimmer to 100%. PAN and TILT functions will still operate if the fixture needs to be positioned to a flat clear surface. With the individual functions, you can focus the light on a flat surface (wall) and perform fine adjustments.

EFFECT ADJUST – Calibration



ONLY QUALIFIED TECHNICIANS SHOULD PERFORM THIS FUNCTION.

This function allows small adjustments to be made to the effect wheels (Color, Gobo, Shutter, etc.) to compensate for wear or in the event a sensor has been knocked slightly out of place. Because improper use of this function can result in undesired operation this function has been password protected. The password is **050** and must be entered each time the calibration menu function is entered. Because calibration is an extremely delicate procedure, instructions on performing this action are left out of this manual. For a first time calibrator, please contact our customer support team for step-by-step instructions.

USER MODE SET – Edit User Mode

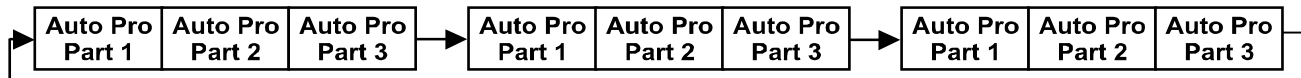
Create user defined channel orders allowing the fixture to match the channel order of other fixtures on the market for easier operation. A total of three user modes may be configured: User Mode A, User Mode B, and User Mode C.

EDIT PROGRAM – Rec. Controller

The fixture features an integrated DMX-recorder by which you can transmit the programmed scenes from your DMX-controller to the moving head. Adjust the desired scene numbers via the encoder (from – to). When you call up the scenes at your controller, they will automatically be transmitted to the moving head.

EDIT PROGRAM – Record Controller – Working With Built In Programs

A Master unit can send up to 3 different data groups to the Slave units, i.e. a Master unit can start 3 different Slave units, which run 3 different programs. The Master unit sends the 3 program parts in a continuous loop.



The Slave unit receives data from the Master unit according to the group which the Slave unit was assigned to. If e.g. a Slave unit is set to **“Slave 1”** in the menu **“Set to Slave”**, the Master unit sends **“Auto Program Part 1”** to the Slave unit.

If set to **“Slave 2”**, the Slave unit receives **“Auto Program Part 2”**.

To start an Auto Program proceed as follows:

1. Slave Setting

- Select **“Function Mode”**.
- Press **ENTER** to confirm.
- Select **“Set to Slave”**.
- Press **ENTER** to confirm.
- Select **“Slave 1”**, **“Slave 2”** or **“Slave 3”**.
- Press **ENTER** to confirm.
- Press **MODE/ESC** in order to return to the main menu.

EDIT PROGRAM – Record Controller – Working With Built-In Program [continued]

2. Automatic Program Run

- Select “**Function Mode**”.
- Press **ENTER** to confirm.
- Select “**Auto Program**”.
- Press **ENTER** to confirm.
- Select “**Master**” or “**Alone**”.
- Press **ENTER** to confirm.
- Press **MODE/ESC** in order to return to the main menu.

3. Program Selection for Auto Pro Part

- Select “**Edit Program**”.
- Press **ENTER** to confirm.
- Select “**Select Programs**”.
- Press **ENTER** to confirm.
- Select “**Auto Pro Part 1**”, “**Auto Pro Part 2**” or “**Auto Pro Part 3**”, and select which Slave program is to be sent. Selection “**Part 1**” means, that the Slave unit runs the same program as the master units.
- Press **ENTER** to confirm.
- Press **MODE/ESC** in order to return to the main menu.

4. Program Selection for Edit Program

- Select “**Edit Program**”.
- Press **ENTER** to confirm.
- Select “**Edit Program**”.
- Press **ENTER** to confirm.
- Select the desired program. With this function you can edit specific scenes into a specific program.
- Press **ENTER** to confirm.
- Press **MODE/ESC** in order to return to the main menu.

EDIT PROGRAM – Record Controller – Working With Built-In Program [continued]

5. Automatic Scene Recording

- Select **“Edit Program”**.
- Press **ENTER** to confirm.
- Select **“Edit Scenes”**.
- Select desired scene numbers. A maximum of 250 scenes can be programmed.
- Press **ENTER** to confirm.
- Press **MODE/ESC** in order to return to the main menu.

Example:

Program 2 includes scenes: 10, 11, 12, & 13

Program 4 includes scenes: 8, 9, & 10

Program 6 includes scenes: 12, 13, 14, & 15

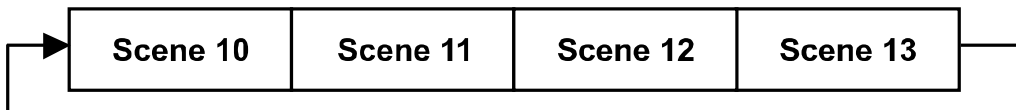
Auto Pro Part 1 is Program 2

Auto Pro Part 2 is Program 3

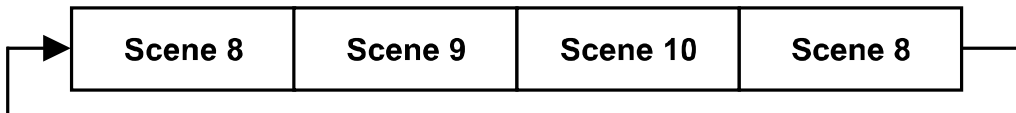
Auto Pro Part 3 is Program 6

The 3 Slave groups run the Auto Program in certain time segments, as shown in the following picture:

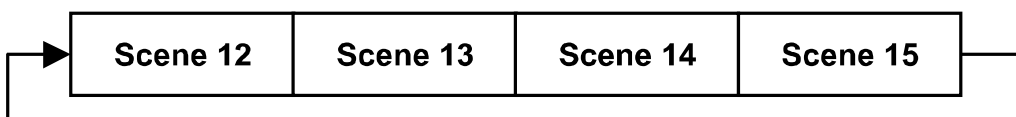
Part 1:



Part 2:



Part 3:



DMX CHANNEL FUNCTIONS AND VALUES

RELATION SATURA PROFILE™

DMX Channel Values / Functions (54 DMX Channels)

Supports Software Versions: ≥ 1.0.2

Features are subject to change without any prior written notice.

*Rotation direction (Clockwise or Counterclockwise) of effects depends on orientation of the fixture head and Pan/Tilt settings.

| MODE / CHANNEL | | | VALUE | FUNCTION |
|----------------|--|--------|---------|--|
| BASIC | STAND | EXTEND | | |
| 1 | 1 | 1 | | PAN MOVEMENT [8 BIT] |
| | | | 0-255 | PAN Movement |
| | 2 | 2 | | PAN FINE MOVEMENT [16 BIT] |
| | | | 0-255 | Fine Control of PAN Movement |
| 2 | 3 | 3 | | TILT MOVEMENT [8 BIT] |
| | | | 0-255 | TILT Movement |
| | 4 | 4 | | TILT MOVEMENT [16 BIT] |
| | | | 0-255 | Fine Control of TILT Movement |
| 3 | 5 | 5 | | CYAN COLOR |
| | | | 0-255 | 0-WHITE ~ 255-100% CYAN |
| | | 6 | | CYAN COLOR FINE |
| | | | 0-255 | CYAN FINE Adjustment |
| 4 | 6 | 7 | | MAGENTA COLOR |
| | | | 0-255 | 0-WHITE ~ 255-100% MAGENTA |
| | | 8 | | MAGENTA COLOR FINE |
| | | | 0-255 | MAGENTA FINE Adjustment |
| 5 | 7 | 9 | | YELLOW COLOR |
| | | | 0-255 | 0-WHITE ~ 255-100% YELLOW |
| | | 10 | | YELLOW COLOR FINE |
| | | | 0-255 | YELLOW FINE Adjustment |
| 6 | 8 | 11 | | CTO COLOR |
| | | | 0-255 | 0-WHITE ~ 255-100% CTO |
| | | 12 | | CTO COLOR FINE |
| | | | 0-255 | CTO FINE Adjustment |
| 7 | 9 | 13 | | CMY / COLOR MACRO SPEED |
| | | | 0-255 | MAX to MIN Speed |
| 8 | 10 | 14 | | COLOR WHEEL |
| | | | 0-15 | OPEN / WHITE |
| | | | 16-31 | RED |
| | | | 32-47 | BLUE |
| | | | 48-63 | GREEN |
| | | | 64-79 | YELLOW |
| | | | 80-95 | MAGENTA |
| | | | 96-111 | ORANGE |
| | | | 112-127 | LIGHT BLUE |
| | | | 128-189 | *Clockwise COLOR Rotation from FAST to SLOW |
| | | | 190-193 | NO Rotation |
| 194-255 | *Counterclockwise COLOR Rotation from SLOW to FAST | | | |
| | | 15 | | COLOR WHEEL FINE ADJUSTMENT |
| | | | 0-255 | FINE Adjustment of Color Wheel to Any Position |

| MODE / CHANNEL | | | VALUE | FUNCTION |
|--|-------|--------|---------|---|
| BASIC | STAND | EXTEND | | |
| 9 | 11 | 16 | | ROTATING GOBOS, CONTINUOUS ROTATION [GOBO WHEEL 1] |
| | | | 0-9 | OPEN |
| | | | 10-19 | Rotating Gobo 1 |
| | | | 20-29 | Rotating Gobo 2 |
| | | | 30-39 | Rotating Gobo 3 |
| | | | 40-49 | Rotating Gobo 4 |
| | | | 50-59 | Rotating Gobo 5 |
| | | | 60-69 | Rotating Gobo 6 |
| | | | 70-89 | Gobo 1 Shake SLOW to FAST |
| | | | 90-109 | Gobo 2 Shake SLOW to FAST |
| | | | 110-129 | Gobo 3 Shake SLOW to FAST |
| | | | 130-149 | Gobo 4 Shake SLOW to FAST |
| | | | 150-169 | Gobo 5 Shake SLOW to FAST |
| | | | 170-189 | Gobo 6 Shake SLOW to FAST |
| | | | 190-255 | *Clockwise Gobo Wheel Rotation from SLOW to FAST |
| 10 | 12 | 17 | | ROTATING GOBOS, INDEX ROTATION [GOBO WHEEL 1] |
| | | | 0-127 | Gobo Indexing |
| | | | 128-193 | *Clockwise Gobo Rotation from FAST TO SLOW |
| | | | 194-255 | *Counterclockwise Gobo Rotation from SLOW to FAST |
| DMX VALUE CHANGE WITH SOFTWARE UPDATE VERSION \geq1.0.6 See highlighted DMX values below which have been updated with this software update. | | | | |
| 10 | 12 | 17 | | ROTATING GOBOS, INDEX ROTATION [GOBO WHEEL 1] |
| | | | 0-127 | Gobo Indexing |
| | | | 128-189 | *Clockwise Gobo Rotation from FAST TO SLOW |
| | | | 190-193 | NO ROTATION |
| | | 18 | 194-255 | *Counterclockwise Gobo Rotation from SLOW to FAST |
| | | 18 | | ROTATING GOBOS, FINE INDEX ROTATION [GOBO WHEEL 1] |
| | | 18 | 0-255 | Gobo Rotation FINE Indexing |

| MODE / CHANNEL | | | VALUE | FUNCTION |
|----------------|--|--------|---------|--|
| BASIC | STAND | EXTEND | | |
| 11 | 13 | 19 | | STATIC / FIXED GOBOS [GOBO WHEEL 2] |
| | | | 0-13 | OPEN |
| | | | 14-27 | Static / Fixed Gobo 1 |
| | | | 28-41 | Static / Fixed Gobo 2 |
| | | | 42-55 | Static / Fixed Gobo 3 |
| | | | 56-69 | Static / Fixed Gobo 4 |
| | | | 70-83 | Static / Fixed Gobo 5 |
| | | | 84-97 | Static / Fixed Gobo 6 |
| | | | 98-111 | Static / Fixed Gobo 7 |
| | | | 112-127 | Shake SLOW to FAST Static / Fixed Gobo 1 |
| | | | 128-143 | Shake SLOW to FAST Static / Fixed Gobo 2 |
| | | | 144-159 | Shake SLOW to FAST Static / Fixed Gobo 3 |
| | | | 160-175 | Shake SLOW to FAST Static / Fixed Gobo 4 |
| | | | 176-191 | Shake SLOW to FAST Static / Fixed Gobo 5 |
| | | | 192-207 | Shake SLOW to FAST Static / Fixed Gobo 6 |
| | | | 208-223 | Shake SLOW to FAST Static / Fixed Gobo 7 |
| 224-255 | *Clockwise Gobo Wheel Rotation from SLOW to FAST | | | |

DMX VALUES FOR OPTIONAL STATIC GOBO / ANIMATION WHEEL KIT

See highlighted DMX values below which support the control of the optional Static GOBO / Animation Wheel Kit.
Please contact ELATION CUSTOMER SUPPORT for more details.

| | | | | |
|----|----|----|---------|--|
| 11 | 13 | 19 | | STATIC / FIXED GOBOS [GOBO WHEEL 2] |
| | | | 0-13 | OPEN |
| | | | 14-27 | Static / Fixed Gobo 1 |
| | | | 28-41 | Static / Fixed Gobo 2 |
| | | | 42-55 | Static / Fixed Gobo 3 |
| | | | 56-69 | Static / Fixed Gobo 4 |
| | | | 70-111 | ANIMATION EFFECT |
| | | | 112-127 | Shake SLOW to FAST Static / Fixed Gobo 1 |
| | | | 128-143 | Shake SLOW to FAST Static / Fixed Gobo 2 |
| | | | 144-159 | Shake SLOW to FAST Static / Fixed Gobo 3 |
| | | | 160-175 | Shake SLOW to FAST Static / Fixed Gobo 4 |
| | | | 176-223 | ANIMATION EFFECT SHAKE SLOW to FAST |
| | | | 224-255 | *Clockwise Gobo Wheel Rotation from SLOW to FAST |

| MODE / CHANNEL | | | VALUE | FUNCTION |
|----------------|----------------------------|---------|-------------------------------|---|
| BASIC | STAND | EXTEND | | |
| 12 | 14 | 20 | | ROTATING PRISM, PRISM / GOBO MACROS |
| | | | 0-63 | OPEN |
| | | | 64-127 | 3-FACET Rotating Prism |
| | | | 128-135 | Prism / Gobo Macro 1 |
| | | | 136-143 | Prism / Gobo Macro 2 |
| | | | 144-151 | Prism / Gobo Macro 3 |
| | | | 152-159 | Prism / Gobo Macro 4 |
| | | | 160-167 | Prism / Gobo Macro 5 |
| | | | 168-175 | Prism / Gobo Macro 6 |
| | | | 176-183 | Prism / Gobo Macro 7 |
| | | | 184-191 | Prism / Gobo Macro 8 |
| | | | 192-199 | Prism / Gobo Macro 9 |
| | | | 200-207 | Prism / Gobo Macro 10 |
| | | | 208-215 | Prism / Gobo Macro 11 |
| | | | 216-223 | Prism / Gobo Macro 12 |
| | | | 224-231 | Prism / Gobo Macro 13 |
| | | | 232-239 | Prism / Gobo Macro 14 |
| 240-247 | Prism / Gobo Macro 15 | | | |
| 248-255 | Prism / Gobo Macro 16 | | | |
| 13 | 15 | 21 | | ROTATING PRISM, PRISM INDEX ROTATION |
| | | | 0-127 | Prism Indexing |
| | | | 128-189 | *Clockwise Linear Prism Rotation from FAST to SLOW |
| | | | 190-193 | NO Rotation |
| | | | 194-255 | *Counterclockwise Linear Prism Rotation from SLOW to FAST |
| 14 | 16 | 22 | | SHUTTER, STROBE |
| | | | 0-31 | Shutter CLOSED |
| | | | 32-63 | NO Function (Shutter OPEN) |
| | | | 64-95 | Strobe Effect SLOW to FAST |
| | | | 96-127 | NO function (Shutter OPEN) |
| | | | 128-159 | Pulse Effect In Sequences |
| | | | 160-191 | NO Function (Shutter OPEN) |
| | | | 192-223 | Random Strobe Effect SLOW to FAST |
| 224-255 | NO Function (Shutter OPEN) | | | |
| 15 | 17 | 23 | | DIMMER INTENSITY |
| | | | 0-255 | Intensity 0 to 100% |
| | | 24 | | DIMMER INTENSITY FINE [16 BIT] |
| | | | 0-255 | Intensity 0 to 100% |
| 16 | 18 | 25 | | DIMMER CURVE MODES |
| | | | 0-20 | STANDARD |
| | | | 21-40 | STAGE |
| | | | 41-60 | TV |
| | | | 61-80 | ARCHITECTURAL |
| | | | 81-100 | THEATER |
| | | 101-255 | DEFAULT to UNIT CURVE SETTING | |

| MODE / CHANNEL | | | VALUE | FUNCTION |
|----------------|-------|--------|---------|--|
| BASIC | STAND | EXTEND | | |
| 17 | 19 | 26 | | FROST |
| | | | 0-127 | OPEN |
| | | | 128-255 | 100% Frost |
| 18 | 20 | 27 | | IRIS |
| | | | 0-191 | MAX to MIN Diameter |
| | | | 192-223 | Pulse Closing FAST to SLOW |
| | | | 224-255 | Pulse Closing SLOW to FAST |
| | | 28 | | IRIS FINE |
| | | | 0-255 | Iris FINE Adjustment |
| 19 | 21 | 29 | | FOCUS |
| | | | 0-255 | Continuous Adjustment from FAR to NEAR |
| | | 30 | | FOCUS FINE |
| | | | 0-255 | Continuous FINE Focus Adjustment |
| 20 | 22 | 31 | | MOTORIZED ZOOM |
| | | | 0-255 | ZOOM Adjustment from SMALL to BIG |
| | | 32 | | MOTORIZED ZOOM FINE |
| | | | 0-255 | ZOOM FINE Adjustment |
| 21 | 23 | 33 | | BLADE #1 |
| | | | 0-255 | OPEN to CLOSE |
| | | 34 | | BLADE #1 FINE [16 BIT] |
| | | | 0-255 | OPEN to CLOSE FINE Adjustment |
| 22 | 24 | 35 | | BLADE #1 ROTATION |
| | | | 0-255 | ROTATION |
| | | 36 | | BLADE #1 ROTATION FINE [16 BIT] |
| | | | 0-255 | ROTATION FINE Adjustment |
| 23 | 25 | 37 | | BLADE #2 |
| | | | 0-255 | OPEN to CLOSE |
| | | 38 | | BLADE #2 FINE [16 BIT] |
| | | | 0-255 | OPEN to CLOSE FINE Adjustment |
| 24 | 26 | 39 | | BLADE #2 ROTATION |
| | | | 0-255 | ROTATION |
| | | 40 | | BLADE #2 ROTATION FINE [16 BIT] |
| | | | 0-255 | ROTATION FINE Adjustment |
| 25 | 27 | 41 | | BLADE #3 |
| | | | 0-255 | OPEN to CLOSE |
| | | 42 | | BLADE #3 FINE [16 BIT] |
| | | | 0-255 | OPEN to CLOSE FINE Adjustment |
| 26 | 28 | 43 | | BLADE #3 ROTATION |
| | | | 0-255 | ROTATION |
| | | 44 | | BLADE #3 ROTATION FINE [16 BIT] |
| | | | 0-255 | ROTATION FINE Adjustment |

| MODE / CHANNEL | | | VALUE | FUNCTION |
|----------------|----------------|--------|---------|--|
| BASIC | STAND | EXTEND | | |
| 27 | 29 | 45 | | BLADE #4 |
| | | | 0-255 | OPEN to CLOSE |
| | | 46 | | BLADE #4 FINE [16 BIT] |
| | | | 0-255 | OPEN to CLOSE FINE Adjustment |
| 28 | 30 | 47 | | BLADE #4 ROTATION |
| | | | 0-255 | ROTATION |
| | | 48 | | BLADE #4 ROTATION FINE [16 BIT] |
| | | | 0-255 | ROTATION FINE Adjustment |
| 29 | 31 | 49 | | ALL (4) BLADES ROTATION |
| | | | 0-255 | All (4) Blade Rotation |
| | | 50 | | ALL (4) BLADES ROTATION FINE [16 BIT] |
| | | | 0-255 | All (4) Blade FINE Rotation |
| 30 | 32 | 51 | | BLADE SPEED |
| | | | 0-255 | BLADE Speed FAST to SLOW |
| 31 | 33 | 52 | | BLADE MACROS |
| | | | 0-14 | OFF |
| | | | 15-29 | Blade Macro 1 |
| | | | 30-44 | Blade Macro 2 |
| | | | 45-59 | Blade Macro 3 |
| | | | 60-74 | Blade Macro 4 |
| | | | 75-89 | Blade Macro 5 |
| | | | 90-104 | Blade Macro 6 |
| | | | 105-119 | Blade Macro 7 |
| | | | 120-134 | Blade Macro 8 |
| | | | 135-149 | Blade Macro 9 |
| | | | 150-164 | Blade Macro 10 |
| | | | 165-179 | Blade Macro 11 |
| | | | 180-194 | Blade Macro 12 |
| | | | 195-209 | Blade Macro 13 |
| | | | 210-224 | Blade Macro 14 |
| 225-239 | Blade Macro 15 | | | |
| 240-255 | Blade Macro 16 | | | |
| 32 | 34 | 53 | | PAN / TILT MOVEMENT SPEED |
| | | | 0-225 | MAX to MIN Speed |
| | | | 226-235 | Blackout by Movement |
| | | | 236-255 | Blackout by COLOR / GOBO Wheel Movement |

| MODE / CHANNEL | | | VALUE | FUNCTION |
|----------------|-------|--------|---------|---------------------------------------|
| BASIC | STAND | EXTEND | | |
| 33 | 35 | 54 | | LAMP ON/OFF, RESET, INTERNAL PROGRAMS |
| | | | 0-19 | GOBO Change Normal |
| | | | 20-29 | COLOR Change to Any Position |
| | | | 30-39 | GOBO Change to Any Position |
| | | | 40-59 | NO FUNCTION |
| | | | 60-79 | NO FUNCTION |
| | | | 80-84 | ALL Motors Reset |
| | | | 85-87 | SCAN Motor Reset |
| | | | 88-90 | COLOR Motors Reset |
| | | | 91-93 | GOBO Motors Reset |
| | | | 94-96 | NO FUNCTION |
| | | | 97-99 | OTHER Motors Reset |
| | | | 100-119 | Internal Program 1 (Scene1-8) |
| | | | 120-139 | Internal Program 2 (Scene 9-16) |
| | | | 140-159 | Internal Program 3 (Scene 17-24) |
| | | | 160-179 | Internal Program 4 (Scene 25-32) |
| | | | 180-199 | Internal Program 5 (Scene 33-40) |
| | | | 200-219 | Internal Program 6 (Scene 41-48) |
| | | | 220-239 | Internal Program 7 (Scene 49-56) |
| | | | 240-255 | NO FUNCTION |

E R R O R C O D E S

When power is applied, the unit will automatically enter a **“Reset/Test”** mode. This mode brings all the internal motors to a 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 as XX will represent a function number. For example, when the display shows **“0Er”** it means there is some type of error with the Pan motor. If there are multiple errors during the start-up process they will all flash in the display. For example: if the fixtures has errors on **Channel 1, 2, and 5** all at the same time, you will see the error message **“01Er”, “02Er”, and “05Er”** flash repeated 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 error persists 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:

- **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.
- **Less Than 3 Errors** - The fixture has less than 3 errors; therefore, most other functions will work properly. The fixture will attempt to operate normally until the errors can be correct by a technician. The errors in question will remain flashing in the display as a reminder of internal errors.

ELATION SATURA PROFILE ERROR CODES

Error Codes are subject to change without any prior written notice.

| ERROR CODES | DESCRIPTION |
|-------------------------------|--|
| PAN Er | Movement is not located in the default position after the reset. This message will appear after a fixture reset if the magnetic-indexing circuit malfunctions (sensor failed or magnet is missing) or there is a motor failure (defective motor or a defective motor IC drive on the main PCB). This error may also be displayed if the head/yoke was blocked during a reset function. |
| TILT Er | |
| Cyan Color Wheel Er | Movement is not located in the default position after the reset. This message will appear after a fixture reset if the magnetic-indexing circuit malfunctions (sensor failed or magnet is missing) or there is a motor failure (defective motor or a defective motor IC drive on the main PCB). |
| Magenta Color Wheel Er | |
| Yellow Color Wheel Er | |
| CTO Color Wheel Er | |
| Speed of CMY Wheel Er | |
| Color Wheel Er | |
| Gobo Wheel 1 Er | |
| Gobo Rot. 1 Wheel Er | |
| Fixed Gobo Wheel Er | |
| Rotating Prim Er | |
| Iris Er | |
| Focus Er | |
| Zoom Er | |
| Blade 1 Er | |
| Blade 2 Er | |
| Blade 3 Er | |
| Blade 4 Er | |
| g4UFan1 Error | Error information from JB1 port on 4U01 PCB. Displayed as 4U_Fan1 RPM <1000. |
| g4UFan2 Error | Error information from JB2 port on 4U01 PCB. Displayed as 4U_Fan2 RPM <1000. |
| g5UFan1 Error | Error information from JB2 port on 5U01 PCB. Displayed as 5U_Fan1 RPM <1000. |
| g5UFan2 Error | Error information from JB2 port on 5U01 PCB. Displayed as 5U_Fan2 RPM <1000. |
| Temp Error | Temperature <37.4°F (3°C) or >320°F (160°C). |

SPECIFICATIONS

SOURCE

440W Cool White 15,000 Lumen LED Engine

50,000 Hour Average LED Life*

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

EFFECTS

Motorized Zoom

4-Blade Framing Shutter System

3-Facet Rotating Prism and Prism Macros

Frost Filter Hybrid Wash Effect

Motorized Zoom, Iris and Focus

High Speed Electronic Shutter and Strobe

Variable Dimming Curve

COLOR

7 Dichroic Colors

Full CMY Color Mixing

Linear CTO Color Correction

GOBOS

(2) Gobo Wheels

(6) Interchangeable-Rotating / Indexing Glass Gobos

(7) Interchangeable Static-Stamped Metal Gobos

(4) Interchangeable Static-Stamped Metal Gobo/Animation Wheel Kit*

*Optional Kit Sold Separately

CONTROL / CONNECTIONS

(3) DMX Channel Modes (33 / 35 / 54)

RDM (Remote Device Management)

6 Button Touch Control Panel

Full Color 180° Reversible LCD Menu Display

8 / 16 Bit Resolution Adjustable Movement

3pin and 5pin DMX In/Out

RJ45 Ethernet In/Out (Art-NET)

powerCON Power In

SIZE / WEIGHT

Length: 17.7" (450mm)

Width: 20.7" (525mm)

Vertical Height: 29.3" (745mm)

Weight: 75.0 lbs. (34.0 kg)

ELECTRICAL / THERMAL

AC 100-240V - 50/60Hz

600W Max Power Consumption

14°F to 113°F (-10°C to 45°C)

APPROVALS / RATINGS

CE| IP20



Intertek
4010832

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

COLORS AND GOBOS

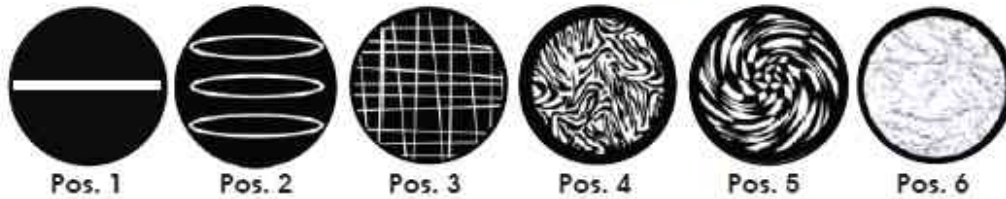
COLOR FLAGS



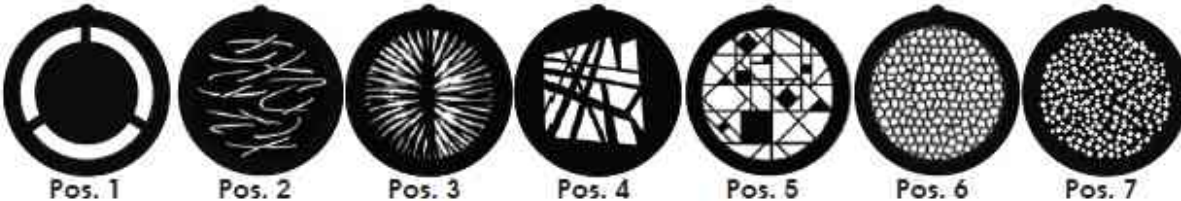
COLOR WHEEL



INTERCHANGEABLE-ROTATING GOBO WHEEL 1 - OD: Ø28.8mm** ID: Ø24.0mm



INTERCHANGEABLE STATIC-FIXED GOBO WHEEL 2 - OD: Ø27.0mm** ID: Ø22.0mm



**IMPORTANT NOTICE REGARDING GOBO DIMENSIONS AND CUSTOM GOBOS

OD = Outside Diameter | ID = Image Diameter

Due to varying manufacturing processes, it is highly recommended to provide a gobo and holder sample from the fixture to 3rd party custom gobo vendors for accurate sizing.

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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.

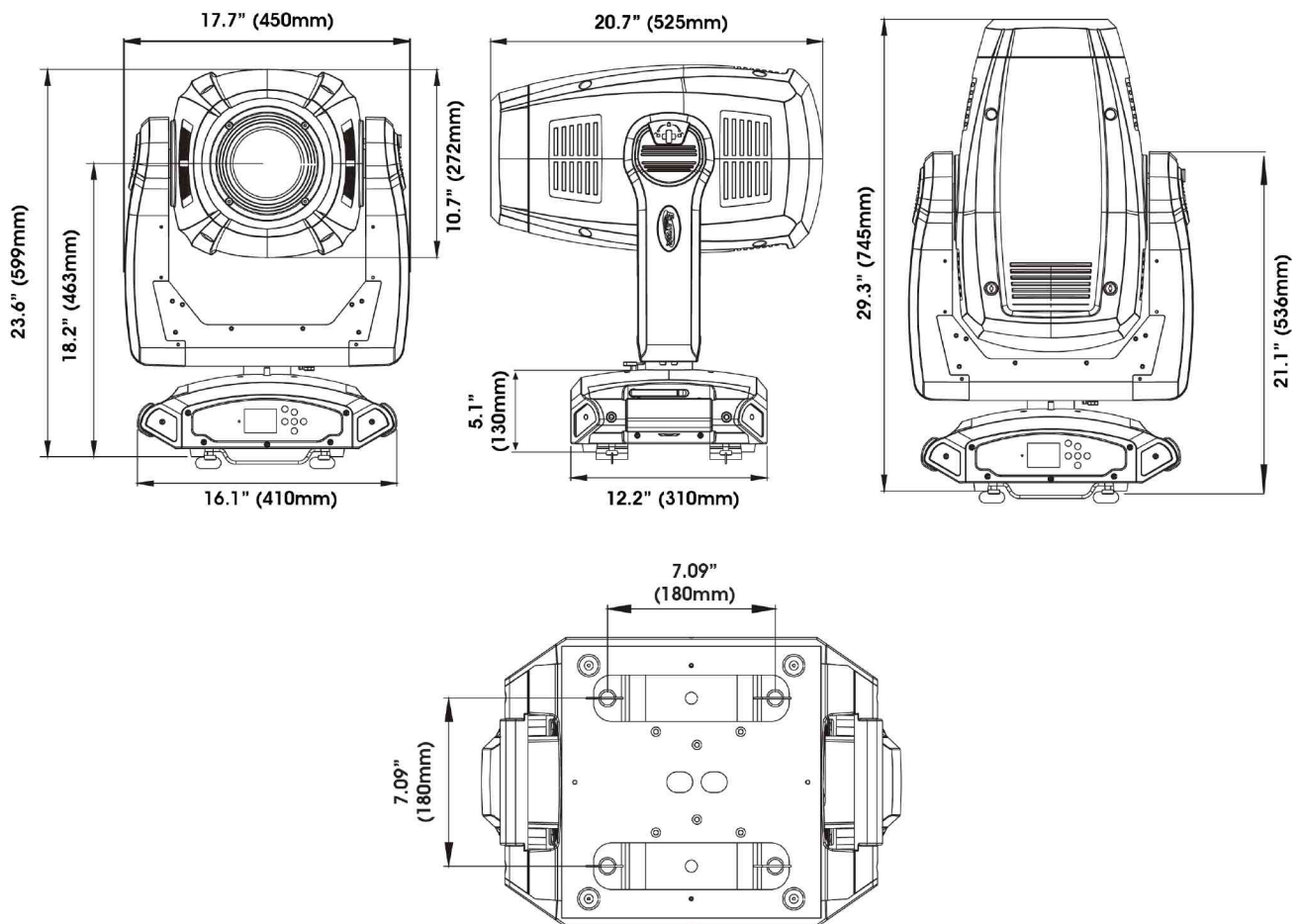
FCC RADIO FREQUENCY INTERFERENCE WARNINGS & INSTRUCTIONS

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.

DIMENSIONAL DRAWINGS



Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

OPTIONAL ACCESSORIES

| ORDER CODE | ITEM |
|---------------|--|
| TRIGGER CLAMP | Heavy Duty Wrap Around Hook Style Clamp |
| DRCSATPRO | Dual Touring Road Case for SATURA PROFILE |
| 501020103010 | Optional Static Gobo / Animation Wheel Kit |
| AC3PDMX5PRO | 5 ft. (1.5m) 3pin PRO DMX Cable |
| AC5PDMX5PRO | 5 ft. (1.5m) 5pin PRO DMX Cable |
| CAT6PRO5 | 5 ft. (1.5m) CAT6 EtherCON Cable |
| | Additional Cable Lengths Available |

