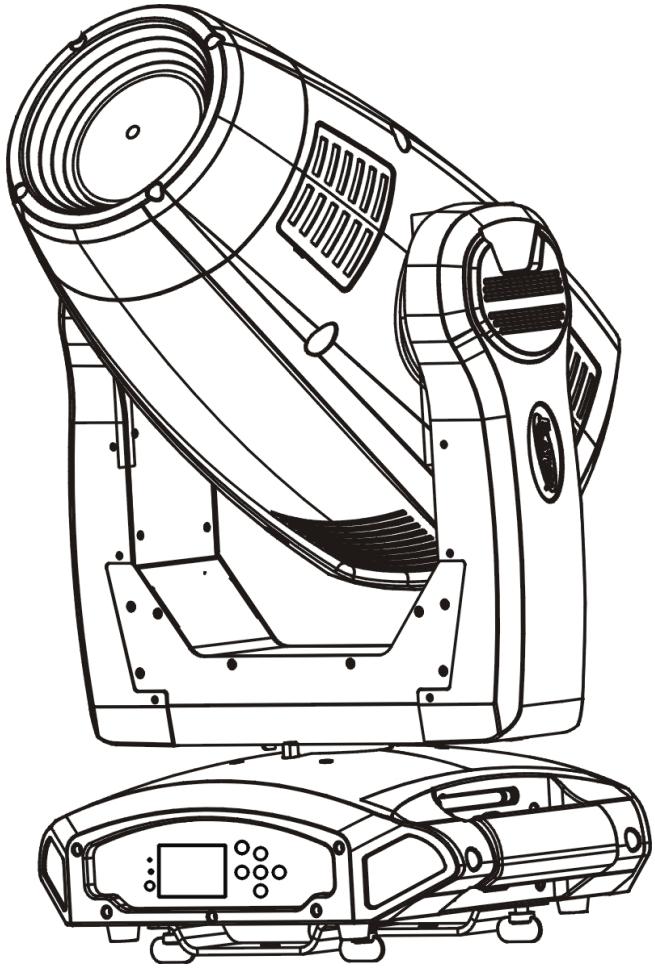

SATURA SPOT LED PRO™

user manual

ELATION | SATURA SPOT LED PRO™ | user manual

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DOCUMENT VERSION

Please check www.elationlighting.com for the latest revision/update of this manual.

Date	Document Version	Software Version	DMX Channel Modes	Notes
2013	1	≥1.00	20/22/26	Initial release.

CONTENTS

GENERAL INFORMATION

INTRODUCTION

Congratulations, you have just purchased one of the most innovative and reliable lighting fixtures on the market today! The **SATURA SPOT LED PRO™** has been designed to perform reliably for years when the guidelines in this booklet are followed. Please read and understand the instructions in this manual carefully and thoroughly before attempting to operate this unit. These instructions contain important information regarding safety during use and maintenance.

UNPACKING

Thank you for purchasing the **SATURA SPOT LED PRO™** by Elation Professional®. Every **SATURA SPOT LED PRO™** 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 appears to be damaged, carefully inspect your unit for damage and be sure all accessories necessary to operate the unit 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 unit to your dealer without first contacting customer support at the number listed below. Please do not discard the shipping carton in the trash. Please recycle whenever possible.

BOX CONTENTS

- (2) Omega Brackets
- (1) 3pin DMX Cable
- (1) powerCON Cable
- (1) Safety Cable
- Manual & Warranty Card

CUSTOMER SUPPORT

Elation Professional® provides a customer support line, to provide set up help and to answer any question should you encounter problems during your set up or initial operation. You may also visit us on the web at www.elationlighting.com for any comments or suggestions. For service related issue please contact Elation Professional®.

ELATION SERVICE USA - Monday - Friday 8:00am to 5:00pm PST

Voice: 323-582-3322 **Fax: 323-832-9142**

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E-mail: support@elationlighting.eu

WARRANTY REGISTRATION

The **SATURA SPOT LED PRO™** carries a two-year (730 days) limited warranty. Please fill out the enclosed warranty card to validate your purchase. 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.

IMPORTANT NOTICE!

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 and general user instructions found in this user manual void the manufactures warranty and are not subject to any warranty claims and/or repairs.

2-YEAR LIMITED WARRANTY

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) from the date of purchase. 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 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, Elation Professional® shall have no liability what so ever for loss of or damage to any such accessories, nor 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 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 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, 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 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 Elation Professional® 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 Elation Professional® 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 Elation Professional® Products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

SAFETY INSTRUCTIONS

The **SATURA SPOT LED PRO™** is an extremely sophisticated piece of electronic equipment. To guarantee a smooth operation, it is important to follow the guidelines in this manual. The manufacturer of this device will not accept responsibility for damages resulting from the misuse of this fixture due to the disregard of the information printed in this manual.

This device falls under **PROTECTION CLASS 1**. It's essential this device be grounded properly. Only qualified personnel should perform all electrical connections.

CAUTION!
Never touch the device during operation!
The housing may heat up

CAUTION!
Never look directly into the light source,
as sensitive persons may suffer an epileptic shock.

CAUTION!
Keep this device away from rain and moisture !

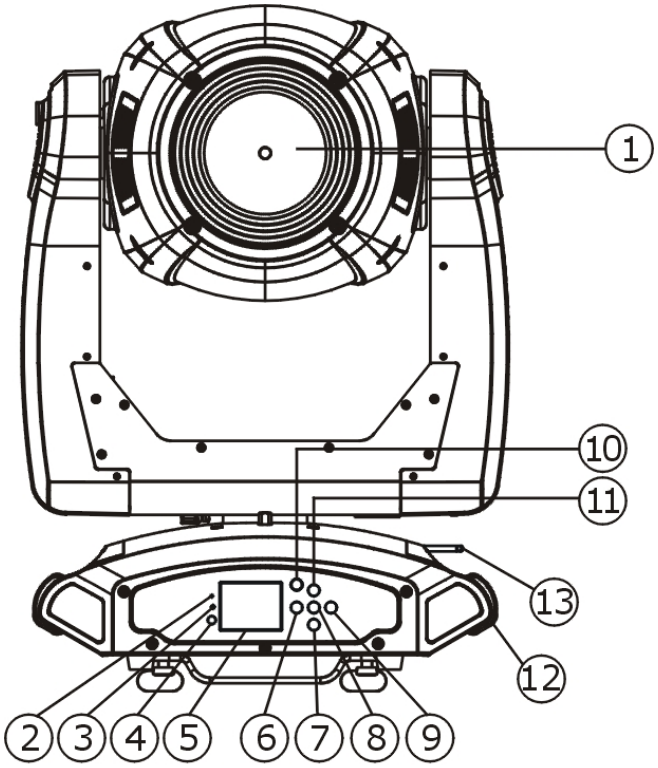
CAUTION!
Unplug mains lead before opening the housing.

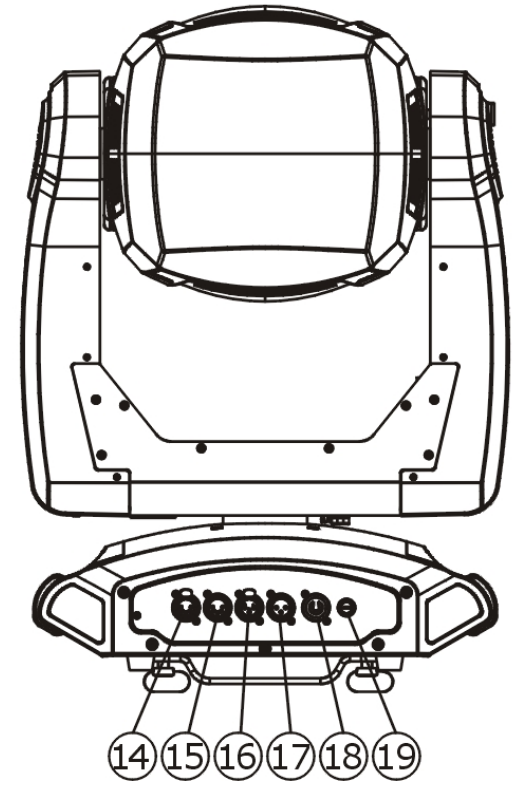
- For proper operation, follow the **Installation** guidelines described in this manual. Only qualified and certified personnel should perform installation of this fixture and only the original rigging parts (brackets) included with this fixture should be used for installation. Any modifications will void the original manufactures warranty and increase the risk of damage and/or personal injury.
- Never look directly into the light source of this fixture to prevent risk of injury to your retina, which may induce blindness. Those suffering from **EPILEPSY** should avoid looking directly into the light source of this unit at all times.
- The fan and air inlets must remain clean and never blocked. Allow approx. 6" (15cm) between this fixture and other devices or a wall for proper cooling.
- Always disconnect 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.
- Do not operate this fixture if the power cord has become frayed, crimped and/or damaged. If the power cord is damaged, replace it immediately with a new one of similar power rating.

GENERAL GUIDELINES

- **NEVER OPEN THIS FIXTURE WHILE IN USE!**
- 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.
- This fixture is a professional lighting effect designed for **INDOOR / DRY LOCATIONS ONLY** on stage, in nightclubs, theatres, etc.
- Please make sure there are **NO FLAMMABLE MATERIALS** close to the fixture while operating, to prevent any fire hazard.
- The fixture must be installed in a location with adequate ventilation, at least 1.5 feet (.5m) from adjacent surfaces. Be sure no air ventilation slots are blocked.
- **DO NOT** attempt installation and/or operation without knowledge how to do so.
- **DO NOT** permit operation by persons who are not qualified to operate this type of fixture. Most damages are the result of operations by nonprofessionals.
- Consistent operational breaks may ensure the fixture will function properly for many years to come.
- **DO NOT** shake fixture, avoid brute force when installing and/or operating fixture.
- Always install the fixture with an appropriate safety cable. When installing the fixture in a suspended environment, always use mounting hardware that is no less than M10 x 25 mm, also be sure the hardware is insert in the pre-arranged screw holes in the bracket of the fixture.
- Use the original packaging and materials to transport the fixture in for service.
- **DO NOT TOUCH** the housing bare-hand during its operation. Turn OFF the power and allow approximately 15 minutes for the fixture to cool down before replacing or serving.

FIXTURE OVERVIEW





1. LED Assembly
2. Microphone
3. Wireless DMX Indicator
4. DC Switch
5. LCD Menu Function Display
6. LEFT Button
7. DOWN Button
8. ENTER Button
9. RIGHT Button
10. MODE/ESC Button
11. UP Button
12. Carrying Handle(s)
13. Wireless DMX Antenna
14. 5pin DMX Output
15. 5pin DMX Input
16. 3pin DMX Output
17. 3pin DMX Input
18. powerCON IN
19. Fuse

FIXTURE INSTALLATION

CAUTION!

Please consider the GB7000.15/EN60598-2-17 and the other respective national norms during the installation. The installation must only be carried out by a qualified person.

CAUTION!

The electric connection must only be carried out by a qualified electrician.

CAUTIONS

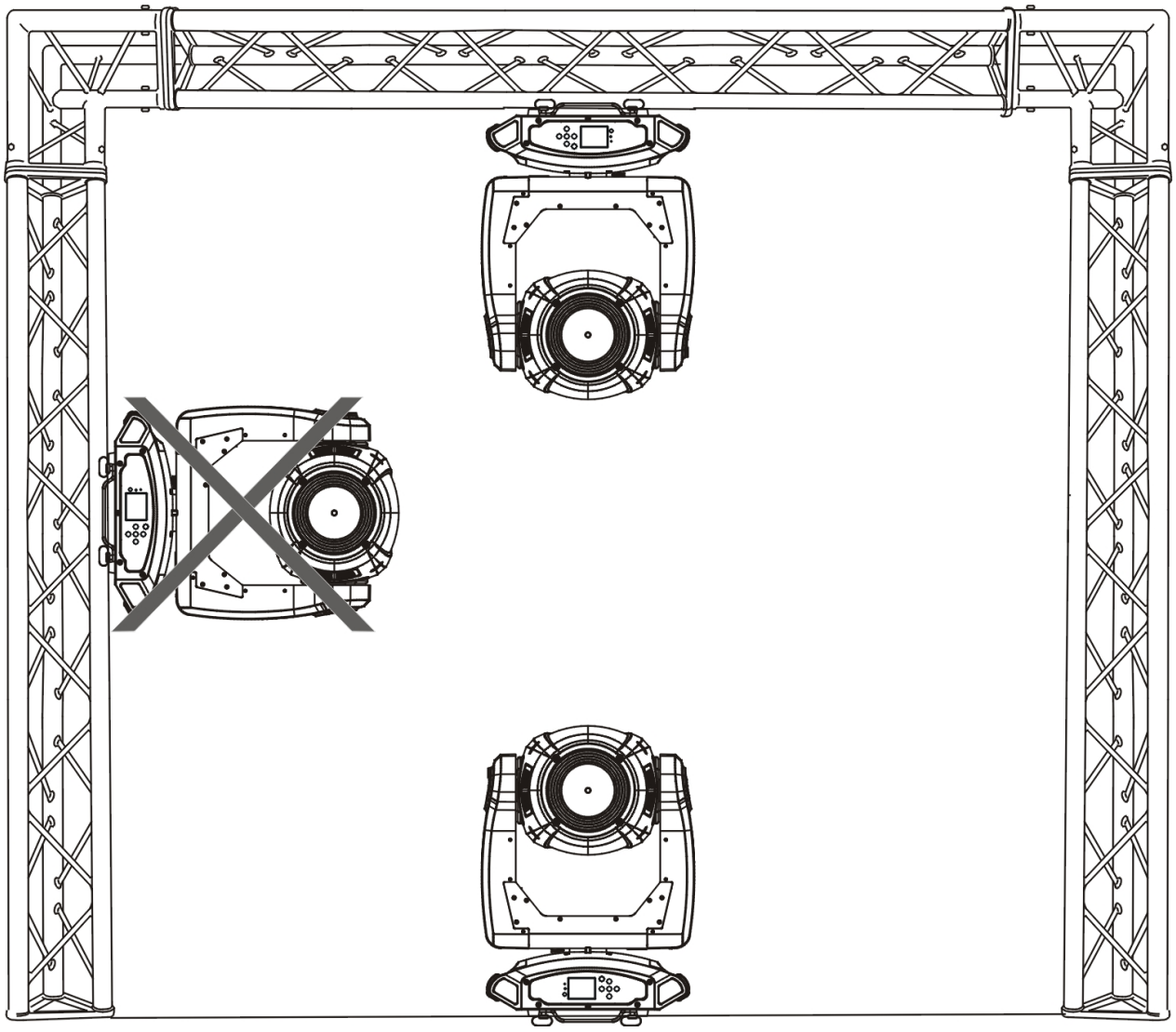
- For added protection, mount the fixture in areas outside walking paths, seating areas, or in areas were unauthorized personnel might reach the fixture.
- Ambient operating temperature range for this fixture is **14° to 113°F. (-10° to 45°C)** Do not use the fixture under or above this temperature.
- Before mounting the fixture to any surface, make sure the installation area can hold a minimum point load of 10 times the weight of the fixture. **(650 lbs / 295 kg)**
- Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable.
- Never stand directly below the device when mounting, removing or servicing.

FLAMMABLE MATERIAL WARNING

Keep fixture at least 5.0 ft (1.5m) away from any flammable materials, decorations, pyrotechnics, etc.

MOUNTING POINTS

- Overhead mounting requires extensive experience, including amongst others calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the device. 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 as illustrated below.

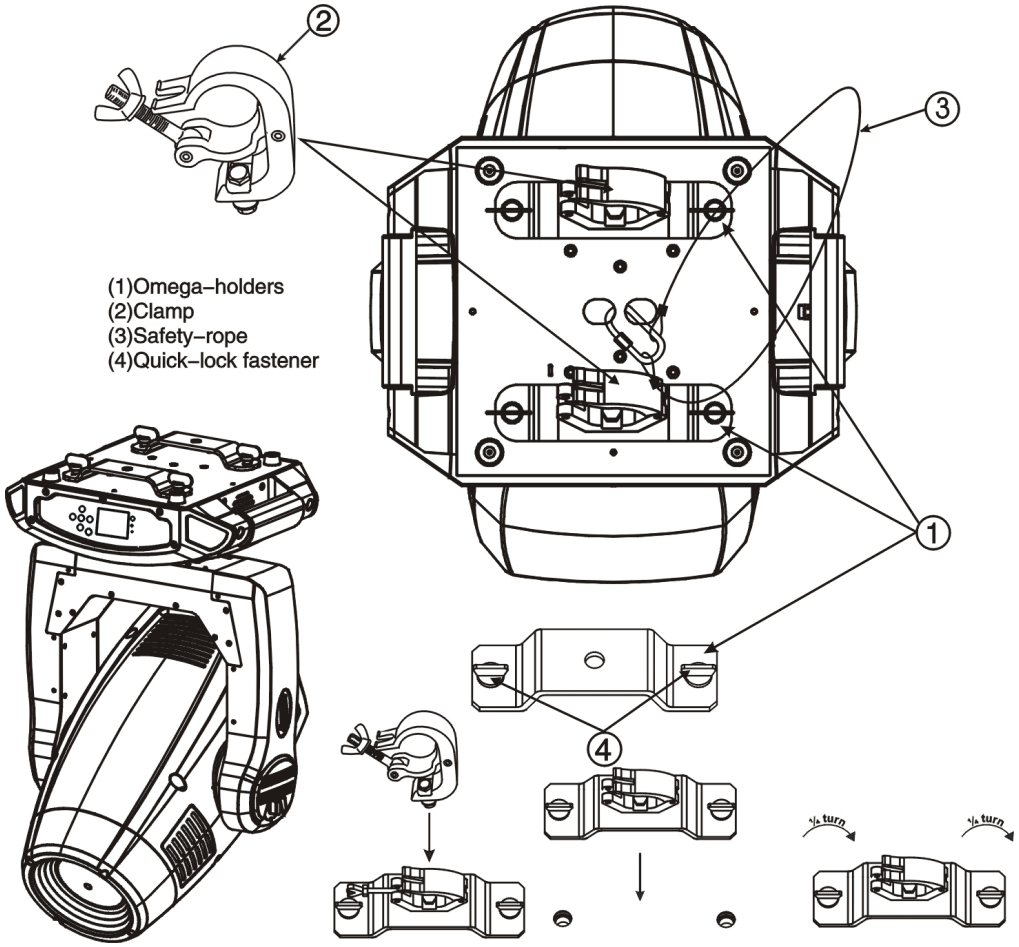


SAFETY CABLE

Always use a Safety Cable whenever installing this fixture in a suspended environment to ensure the fixture will not drop if the clamp fails.

CLAMP MOUNTING

The **SATURA SPOT LED PRO™** provides a unique mounting bracket assembly that integrates the bottom of the base, the included **Omega Brackets (x2)** and safety cable rigging point in one unit (see the illustration below). When mounting this fixture to truss be sure to secure an appropriately rated clamps to the included omega brackets using a M10 screw fitted through the center hole of the **Omega Bracket**. Be sure to attach the included **Safety Cable** to the fixture using the safety cable rigging point integrated in the base assembly**.**



SECURING

Regardless of the rigging option you choose for your **SATURA SPOT LED PRO™** always be sure to secure your fixture with a safety cable. The fixture provides a built-in rigging point for a safety cable on the hanging bracket as illustrated above. Be sure to only use the designated rigging point for the safety cable and never secure a safety cable to a carrying handle.

UNDERSTANDING DMX

DMX-512

DMX is short for Digital Multiplex. This is a universal protocol used by most lighting and controller manufactures as a form of communication between intelligent fixtures and controllers. DMX allows all makes and models of different manufactures to be linked together and operate from a single controller. This is possible as long as all the fixtures and the controller are DMX compliant. A DMX controller sends the DMX data instructions to the fixture allowing the user to control the different aspects of an intelligent light. DMX data is sent out as serial data that travels from fixture to fixture via data "IN" and data "OUT" XLR terminals located on the fixtures (most controllers will only have output jacks).

DMX LINKING

To ensure proper DMX data transmission, always use proper DMX cables and a terminator. When using several DMX fixtures try to use the shortest cable path possible. Never split a DMX line with a "Y" style connector. The order in which the fixtures are connected in a DMX line does not influence the DMX addressing. For example; a fixture assigned a starting DMX address of 1 may be placed anywhere in the DMX chain, at the beginning, at the end, or anywhere in the middle. The DMX controller knows to send data assigned to address 1 to that fixture no matter where it is located in the DMX chain. The **SATURA SPOT LED PRO™** can be controlled via DMX-512 protocol and the DMX address is set via the control menu.

DATA CABLE (DMX Cable) REQUIREMENTS (For DMX and Master/Slave Operation)

Your fixture and your DMX controller require a standard 3pin or 5pin XLR connector for data input and data output (see figure below). If you are making your own cables, be sure to use two conductor, shielded digital DMX cable rated at 120 ohms; this cable is designed for DMX transmission and may be purchased from your Elation dealer or at most professional lighting retailers. Your cables should be made with a male and female XLR connector on either end of the cable. Also, remember that a DMX line must be daisy chained and cannot be split, unless using an approved DMX splitter such as **Elation's Opto Branch 4™, Opto Branch 8™, or DMX-Branch/4™.**

DMX Output
3-Pin XLR Socket

DMX Input
3-Pin XLR Socket

1: Ground
2: Data (-)
3: Data (+)

DMX Output
5-Pin XLR Socket

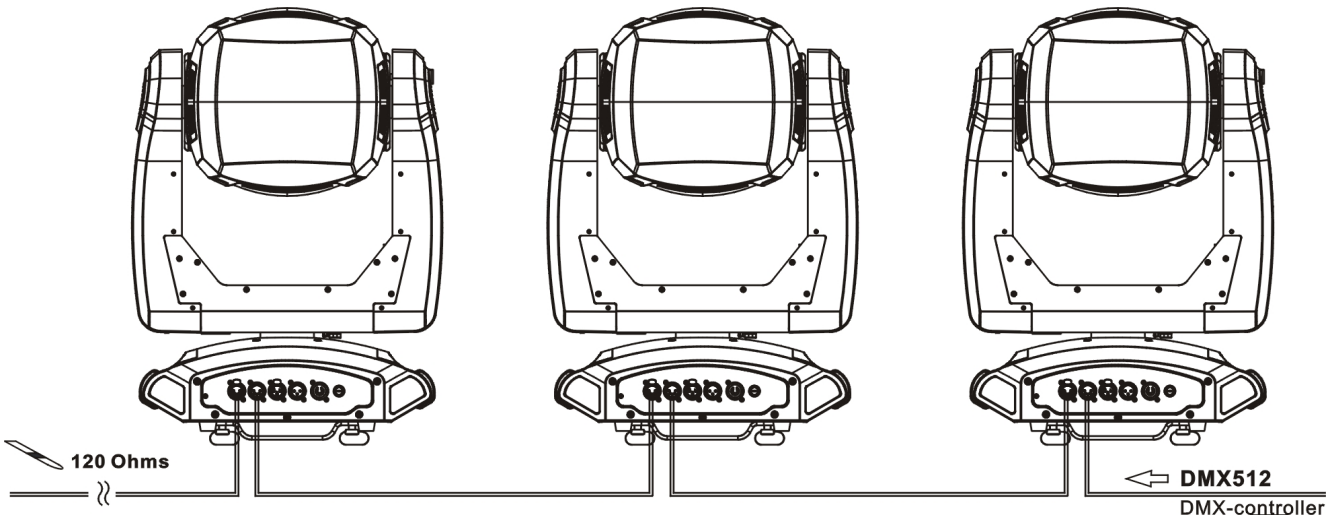
DMX Input
5-Pin XLR Socket

1: Ground
2: Data (-)
3: Data (+)
4: Open
5: Open

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

DMX-512 CONTROLLER CONNECTION

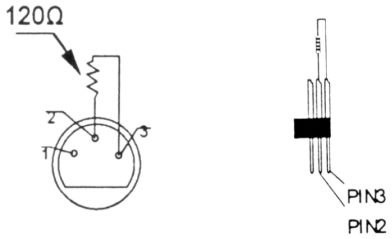
Connect the provided XLR cable to the female XLR output of your controller and the other side to the male XLR input of the **SATURA SPOT LED PRO™** The diagram below illustrates a typical DMX-512 connection when the fixture is in the **26 Channel Extended Mode**. You can chain multiple panels together through serial linking. The cable that should be used is two conductor, shielded DMX cable with XLR input and output connectors. Always be sure daisy chain your in and out data connections, never split or "Y" your DMX connections unless you are using an approved DMX splitter such as **Elation's Opto Branch 4™, Opto Branch 8™, or DMX-Branch/4™.**



Address 53 **Address 27** **Address 1**

DMX-512 CONNECTION WITH DMX TERMINATOR

A DMX terminator should be used in all DMX lines especially in longer runs. The use of a terminator may avoid erratic behavior in your DMX line. A terminator is a 120 ohm 1/4 watt resistor that is connected between pins 2 and 3 of a male XLR connector (DATA + and DATA -). This fixture is inserted in the female XLR connector of the last fixture in your daisy chain to terminate the line. Using a line terminator will decrease the possibilities of erratic behavior.



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

5pin XLR DMX CONNECTORS

Some manufactures use 5pin XLR connectors for DATA transmission in place of 3pin. 5pin XLR fixtures may be implemented in a 3pin XLR DMX line. When inserting standard 5pin XLR connectors in to a 3pin line a cable adaptor must be used, these adaptors are readily available at most electric stores. The following chart details a proper cable conversion.

3-Pin XLR to 5-Pin XLR Conversion		
Conductor	3-Pin XLR Female (Out)	5-Pin XLR Male (In)
Ground/Shield	Pin 1	Pin 1
Data Compliment (- signal)	Pin 2	Pin 2
Data True (+ signal)	Pin 3	Pin 3
Not Used		Pin 4 - Do Not Use
Not Used		Pin 5 - Do Not Use

DMX ADDRESSING

All fixtures should be given a DMX starting address when using a DMX controller, so the correct fixture responds to the correct control signal. This digital starting address is the channel number from which the fixture starts to "listen" to the digital control information sent out from the DMX controller. The allocation of this starting DMX address is achieved by setting the correct DMX address on the digital display located on the back of the fixture.

You can set the same starting address for all fixtures or a group of fixtures, or set different address for each individual fixture. Be advised that setting all fixtures to the same DMX address will subsequently control all fixtures in the same fashion, in other words, changing the settings of one channel will affect all the fixtures simultaneously.

If you set each fixture to a different DMX address, each unit will start to "listen" to the channel number you have set, based on the quantity of control channels (DMX channels) of each fixture. That means changing the settings of one channel will only affect the selected fixture.

In the case of the **SATURA SPOT LED PRO™**, when in the **26 Channel Extended Mode** you should set the starting DMX address of the first unit to 1, the second unit to 27 (1 + 26), the third unit to 53 (27 + 26), and so on.

Note: During start-up the **SATURA SPOT LED PRO™** will automatically detect whether a DMX data signal is being received or not. If DMX data signal is being received, the display will show **"Addr=XXX" (XXX** representing the actual DMX address). If the fixture is not receiving a DMX signal the display will flash. If your fixture is connected to a DMX controller and the display is flashing (not receiving a DMX signal), please check the following:

- The 3pin or 5pin XLR input plug (cable with DMX signal from controller) is not connected or is not inserted completely into the DMX input jack of the fixture.
- The DMX controller is switched off or defective.
- The DMX cable or connector is defective.
- A DMX terminator has been inserted into the last fixture in your DMX chain.

FIXTURE MENU

ON-BOARD SYSTEM MENU

The **SATURA SPOT LED PRO™** comes with an easy to navigate system menu. The next section will detail the functions of each command in the system menu.

LCD MENU CONTROL PANEL

The control panel (see image below) located on back of the fixture allows you to access the main menu and make all necessary adjustments to the **SATURA SPOT LED PRO™.** 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.

NOTE: To access the LCD Menu Control Display via the internal battery, press and hold the **DC SWITCH** button for 2 seconds. The LCD Menu Control Display will shut **OFF** automatically about 1 minute from the last button press. To shut **OFF** the LCD Menu Control Display immediately, set "**Reset Default**" menu option to **"ON"** in the **"Personality"** menu and press the **ENTER** button to confirm your selection.

ELATION© SATURA SPOT LED PRO™ SYSTEM MENU - VERSION 1				
Specifications and features are subject to change without any prior written notice.				
MAIN MENU	**SUB MENU**	**OPTIONS / VALUES** (Default Settings in **BOLD**)		**DESCRIPTION**
FUNCTION	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
	Sound Control	Master / Alone		Sound Control
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 Pass	Password=XXX	Password **038**
		Clear Last Run	ON / **OFF**	Reset Fixture Last Run Time
	Temperature Info	Head Temp	**XXX C° / F °**	Temperature in Fixture Head
	Software Ver	V1.0…		Software Version
PERSONALITY	Status Settings	Address via DMX	**ON**/OFF	Address 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**/540-90 Offset	Pan Degree Select
		Feedback	**ON**/OFF	Movement Feedback
		Movement Speed	Speed **1** ~ 4	Movement Mode Select
		Mic Sensitivity	0-99%	Sensitivity of Microphone
		Hibernation	OFF, 01M~99M, **15M**	Stand By Mode
	Service Setting	Password	Password=XXX	Password **050**
		RDM PID	**XXXXXX**	RDM PID Code
	Fans Control	**Auto**, High, Low		Fans Speed Select
	Display Setting	Shutoff Time	02~60m **05m**	Display Shut Off Time
		Display Reverse	ON/**OFF**	Display Reverse 180°
		Key Lock	ON/**OFF**	Key Lock
	Temp C/F	Celsius/**Fahrenheit**		Temperature Switch Between C°/ F°
	Initial Effect	PAN =XXX		Initial Effect Position
	Wireless DMX	WDMX OFF		De-activate WDMX
		Activate WDMX		Activate WDMX
		Act & Data Out		Act & Data Out
		Clear WDMX Memo		Reset Wireless DMX Mem
	Reset Default	ON/**OFF**		Restore factory settings
Reset Function	Reset All			Reset All Motors
	Reset Pan/Tilt			Reset Pan/Tilt
	Reset Gobos			Reset Gobos
	Reset Others			Reset Other Motors
Effect Adjust	Test Channel	PAN ……		Test function
	Manual Control	PAN = XXX, ……		Fine Adjustments
	Calibrate Values	Calibrate Password		
		PAN = XXX, ……		Password **050**

ELATION© SATURA SPOT LED PRO™ SYSTEM MENU - VERSION 1				
Specifications and features are subject to change without any prior written notice.				
MAIN MENU	**SUB MENU**	**OPTIONS / VALUES** (Default Settings in **BOLD**)		**DESCRIPTION**
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	Max Channel = XX		Edits User Defined Channel Assignments
		PAN = CH01		
Edit Program	Select Programs	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
	Record Controller	XX~XX		Automatic Scenes Recorder

FUNCTION - DMX Address

Define desired DMX address via the Control Panel.

FUNCTION - DMX Value

Display DMX 512 value of each channel.

FUNCTION - Slave Mode

Define fixture slave mode **(Slave1, Slave2, Slave3)**.

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"**.

FUNCTION – Sound Control

Define fixture mode **(Master or Alone)** for running Auto Programs via sound activation, default is **Master**.

INFORMATION - Time Information - Current Time

Displays fixture run time from last power ON.

The counter is reset after each time the fixture is powered OFF.

INFORMATION - Time Information - Total Run Time

Displays fixture total run time.

INFORMATION - Time Information - Last Run Time

Displays fixture run time for a given period of time (i.e. rental period).
This counter can be reset.

INFORMATION - Time Information - LastRun Pass

Display the fixture timer password. **(038)**

INFORMATION - Time Information - Clear Last Run

Resets the last run time of the fixture.

INFORMATION - Temperature Infor - Head Temp

Displays temperature of the fixture.

INFORMATION - Software Ver

Displays software version of the fixture.

PERSONALITY - Status Settings - Address Via DMX

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

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 - Status Settings - No DMX Status

Define how fixture operates if NO DMX signal is detected**.**

PERSONALITY - Status Settings - Pan Reverse

When ON, all PAN movements are reversed (inverted).

PERSONALITY - Status Settings - Tilt Reverse

When ON, all TILT movements are reversed (inverted).

PERSONALITY - Status Settings – Pan Degree

Select desired maximum degree of the Pan movement.

PERSONALITY - Status Settings - Feedback

When ON, the fixture automatically performs PAN / TILT correction in the event either one is disrupted during normal operation.

PERSONALITY - Status Settings – Movement Speed

Select desired Movement Speed.

PERSONALITY - Status Settings – Mic Sensitivity

Select desired Microphone Sensitivity.

PERSONALITY - Status Settings – Hibernation

Select desired Hibernation time.

PERSONALITY – Service Setting - Password

Display the fixture timer password. **(050)**

PERSONALITY – Service Setting - RDM PID

RDM PID Code.

PERSONALITY – Fans Control

Select desired Fan setting.

PERSONALITY - Display Setting – Shutoff Time

Define how many minutes before the LCD Menu display will automatically shut OFF.

PERSONALITY - Display Setting – Display Reverse

When ON, the LCD Menu display by is rotated (inverted) 180°.

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.

PERSONALITY – Temp C/F

Define how fixture displays internal temperature (Celsius or Fahrenheit).

PERSONALITY – Initial Status

Create custom PAN/TILT and Effect settings and save as a custom Home Position.

PERSONALITY – Wireless DMX - WDMX OFF

Deactivate the internal wireless DMX receiver.

PERSONALITY – Wireless DMX - Activate WDMX

Activate the internal wireless DMX receiver.

PERSONALITY – Wireless DMX - Act & Data Out

Deactivate the internal wireless DMX receiver.

PERSONALITY – Wireless DMX - Clear WDMX Memo

Reset and clear the internal wireless DMX receiver memory.

PERSONALITY – Reset Default

When ON, all factory settings are restored.

RESET FUNCTION - Reset ALL

Reset ALL internal motors to Home Position.

RESET FUNCTION - Reset PAN and TILT

Reset only PAN and TILT motors to Home Position.

RESET FUNCTION - Reset Gobos

Reset only Gobo Wheels to Home Position.

RESET FUNCTION - Reset Others

Reset ALL other motors not associated previously listed commands to Home Position.

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 to compensate for ware 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 – User Mode

Select operating mode, which includes DMX Channel and User defined modes.

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 – Select Program

Select one of the (10) user defined internal Auto Programs.

EDIT PROGRAM – Edit Program

Edit any of the (10) user defined internal Auto Programs.

EDIT PROGRAM – Edit Scenes

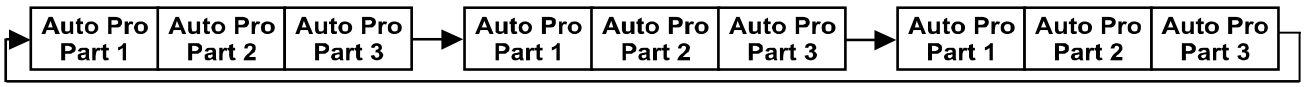
Edit any of the scenes of the internal Auto Programs.

EDIT PROGRAM – Record 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.

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.

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

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.

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.

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

Example:

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

Program 4 includes scenes: 8, 9, & 10

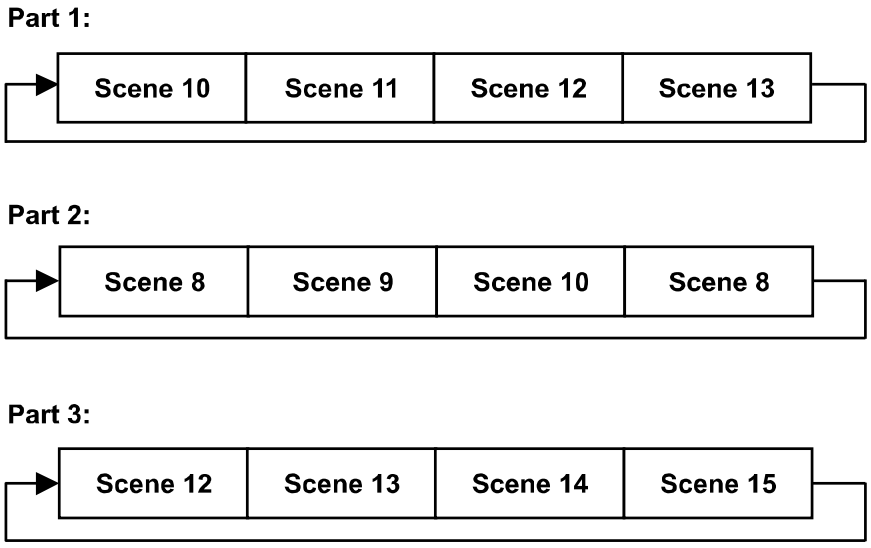
Program 6 includes scenes: 12, 13, 14, & 15

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:



INTERNAL WIRELESS DMX RECIEVER (EWDMX)

The **SATURA SPOT LED PRO™** is equipped with an internal **Elation** Wireless DMX Receiver, which is fully compatible with an **Elation** Wireless DMX System.

WORKING WITH THE INTERNAL WIRELESS DMX (EWDMX) System

Access the "**Wireless DMX"** sub menu from the "**PERSONALITY"** menu. The **"Wireless DMX"** sub menu allows you to **"Activate" (turn ON)** the system, **"Deactivate" (turn OFF)** the system, or **"Reset" (CLEAR)** the **EWDMX** system.

When the **EWDMX** system is **"Activated"** the internal DMX **"IN"** XLR jacks are turned OFF. However the internal DMX **"OUT"** XLR jacks will function normally.

If the fixture is powered ON with the internal **EWDMX** system **"Activated"**, it will automatically scan for a wireless DMX signal from an **Elation Wireless Transmitter**. If NO wireless signal is received, it will electronically switch to the wired DMX mode.

WARNING!

NEVER connect a fixture to a controller via a DMX cable when the EWDMX system is in use. This could cause serious damage to the controller!!

SETTING UP THE EWDMX SYSTEM

Follow the instructions included with the **Elation EWDMX Transmitter** and connect it to the output of your DMX controller.

To sync your fixture with the **Elation EWDMX Transmitter** follow the steps below

- Initially, the **EWDMX** indicator on the fixture should be solid **RED**.
- Press and hold the configuration button on your **EWDMX Transmitter** for about 3 seconds. The **RED/GREEN LED** indicators on the **EWDMX Transmitter** and the fixture should then begin to flash rapidly for about 5~ 10 seconds while the two systems pair.
- Once the fixture is paired with the **EWDMX Transmitter (T1)**, the **EWDMX** status indicators on the both the fixture and the **EWDMX Transmitter** will stop flashing and glow solid **GREEN**. If paring is unsuccessful repeat the process until paring is secured.
- The fixture will store the pairing information inside a nondestructive memory bank once a link is created between the fixture and an **EWDMX Transmitter**. The fixture will remember the paired **EWDMX Transmitter** even if the fixture is turned OFF for extended periods of time.

CLEARING EWDMX TRANSMITTER LINK

- Access the fixture's main menu and toggle to the "**PERSONALITY"** menu, then access the "**Wireless DMX"** sub menu and select **"Clean WDMX Memo"** to clear any existing link between the fixture and a **EWDMX Transmitter**. The **EWDMX** indictor on the fixture will turn solid **RED** when the link is severed.
- You may also clear the link directly from the **EWDMX Transmitter**. First, be sure the fixture(s) is powered ON, and then hold down the configuration button on the WDMX **Transmitter** for as least 5 seconds. This will automatically clear the link between the **EWDMX Transmitter** and any fixture that is powered ON. All **EWDMX** indictors will glow solid **RED** if the procedure was successful.

EWDMX INDICATORS

RED/GREEN (Rapid Flashing) = Syncing to a EWDMX Transmitter

RED/GREEN (Slow Flashing) = Paired with a EWDMX Transmitter but not receiving a DMX signal from a controller.

GREEN (Solid) = Paired with a EWDMX Transmitter and receiving DMX data

RED (Solid) = Not paired with a EWDMX Transmitter (FREE)

DMX CHANNEL FUNCTIONS AND VALUES

ELATION© SATURA SPOT LED PRO™ DMX Channel Values / Functions - VERSION 1 (26 DMX Channels)				
Specifications are subject to change without any prior written notice. *Rotation direction (Clockwise or Counterclockwise) of COLOR, GOBO, and PRISM effects depends on the orientation of the fixture head.				
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 FINE MOVEMENT [16 BIT]**
			0-255	Fine Control of TILT Movement
3	5	5		**RED LED**
			0-255	0-BLACK ~ 255-100% RED
4	6	6		**GREEN LED**
			0-255	0-BLACK ~ 255-100% GREEN
5	7	7		**BLUE LED**
			0-255	0-BLACK ~ 255-100% BLUE
6	8	8		**WHITE LED**
			0-255	0-BLACK ~ 255-100% WHITE
7	9	9		**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)
8	10	10		**DIMMER INTENSITY**
			0-255	Intensity 0 to 100%
9	11	11		**COLOR MACROS**
			0-1	NO FUNCTION
			2	WHITE 2700K
			3	WHITE 3200K
			4	WHITE 4300K
			5	WHITE 5600K
			6	WHITE 6500K
			7	WHITE 8000K
			8-39	From RED to YELLOW
			40-71	From YELLOW to GREEN
			72-103	From GREEN to Cyan
			104-135	From CYAN to BLUE
			136-167	From BLUE to MAGENTA
			168-199	From MAGENTA to RED
			200-231	From RED to WHITE
			232-255	Crossfading COLORS from SLOW to FAST

ELATION© SATURA SPOT LED PRO™ DMX Channel Values / Functions - VERSION 1 (26 DMX Channels)				
Specifications are subject to change without any prior written notice. *Rotation direction (Clockwise or Counterclockwise) of COLOR, GOBO, and PRISM effects depends on the orientation of the fixture head.				
MODE / CHANNEL			**VALUE**	**FUNCTION**
BASIC	**STAND**	**EXTEND**		
10	12	12		**ROTATING GOBO WHEEL, CONTINOUS ROTATION**
			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
11	13	13		**ROTATING GOBO WHEEL, INDEX ROTATION**
			0-127	GOBO Indexing
			128-189	*Clockwise GOBO Rotation from FAST TO SLOW
			190-193	NO Rotation
			194-255	*Counterclockwise GOBO Rotation from SLOW to FAST
		14		**ROTATING GOBO WHEEL, FINE INDEX ROTATION**
			0-255	Gobo Rotation FINE Indexing
12	14	15		**FIXED GOBO WHEEL**
			0-13	OPEN
			14-27	GOBO 1
			28-41	GOBO 2
			42-55	GOBO 3
			56-69	GOBO 4
			70-83	GOBO 5
			84-97	GOBO 6
			98-111	GOBO 7
			112-127	GOBO 1 Shake SLOW to FAST
			128-143	GOBO 2 Shake SLOW to FAST
			144-159	GOBO 3 Shake SLOW to FAST
			160-175	GOBO 4 Shake SLOW to FAST
			176-191	GOBO 5 Shake SLOW to FAST
			192-207	GOBO 6 Shake SLOW to FAST
			208-223	GOBO 7 Shake SLOW to FAST
			224-255	GOBO Wheel Rotation from SLOW to FAST

ELATION© SATURA SPOT LED PRO™ DMX Channel Values / Functions - VERSION 1 (26 DMX Channels)				
Specifications are subject to change without any prior written notice. *Rotation direction (Clockwise or Counterclockwise) of COLOR, GOBO, and PRISM effects depends on the orientation of the fixture head.				
MODE / CHANNEL			**VALUE**	**FUNCTION**
BASIC	**STAND**	**EXTEND**		
13	15	16		**ROTATING PRISM, PRISM / GOBO MACROS**
			0-63	OPEN
			64-127	3-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
14	16	17		**ROTATING PRISM, INDEX ROTATION**
			0-127	PRISM Indexing
			128-189	*Clockwise PRISM Rotation from FAST to SLOW
			190-193	NO Rotation
			194-255	*Counterclockwise PRISM Rotation from SLOW to FAST
15	17	18		**FOCUS**
			0-255	Continuous Adjustment from FAR to NEAR
		19		**FOCUS FINE**
			0-255	Continuous Focus FINE Adjustment
16	18	20		**MOTORIZED ZOOM**
			0-255	ZOOM Adjustment from SMALL to BIG
		21		**MOTORIZED ZOOM FINE**
			0-255	Zoom FINE Adjustment
17	19	22		**FROST**
			0-127	Open
			128-255	100% Frost
18	20	23		**IRIS**
			0-191	MAX to MIN Diameter
			192-223	Pulse Opening FAST to SLOW
			224-255	Pulse Closing SLOW to FAST
		24		**IRIS FINE**
			0-255	Iris FINE Adjustment

ELATION© SATURA SPOT LED PRO™ DMX Channel Values / Functions - VERSION 1 (26 DMX Channels)				
Specifications are subject to change without any prior written notice. *Rotation direction (Clockwise or Counterclockwise) of COLOR, GOBO, and PRISM effects depends on the orientation of the fixture head.				
MODE / CHANNEL			**VALUE**	**FUNCTION**
BASIC	**STAND**	**EXTEND**		
19	21	25		**PAN / TILT MOVEMENT SPEED**
			0-225	MAX to MIN Speed
			226-235	BLACKOUT by Movement
			236-245	BLACKOUT by ALL Wheel Changing
			246-255	NO Function
20	22	26		**LAMP ON/OFF, RESET, INTERNAL PROGRAMS**
			0-19	GOBO Change Normal
			20-29	NO Function
			30-39	GOBO Change to Any Position
			40-79	NO Function
			80-84	ALL MOTOR Reset
			85-87	SCAN MOTOR Reset
			88-90	NO Function
			91-93	GOBO MOTOR Reset
			94-96	NO Function
			97-99	OTHER MOTOR Reset
			100-119	Internal Program 1 (Scene 1-8)
			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	Music Control (Scene of Program 1)

ERROR CODES

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"** were 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.

PAN Movement Er

The yoke is not located in the default position after start-up or after a reset command. This message will appear after a fixture reset if the pan's 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 Movement Er

This message will appear after a fixture reset if the tilt's magnetic-indexing circuit malfunctions (sensor failed or magnet is missing) or there is a motor failure (defective motor or defective motor IC drive on main PCB). This error may also be displayed if the head was blocked during a reset function.

Gobo Wheel 1 Er

The gobo-wheel #1 is not located in the default position after start-up or after a reset command. This message will appear after a fixture reset if the gobo wheel's magnetic-indexing circuit malfunctions (sensor failed or magnet is missing) or there is a stepper motor failure (defective motor or defective motor IC drive on main PCB).

Gobo Rot 1 Er

The rotating-gobo is not located in the default position after start-up or after a reset command. This message will appear after a fixture reset if the gobo positioning magnetic-indexing circuit malfunctions (sensor failed or magnet is missing) or there is a stepper motor failure (defective motor or defective motor IC drive on main PCB).

Gobo Wheel 2 Er

The gobo-wheel #2 is not located in the default position after start-up or after a reset command. This message will appear after a fixture reset if the gobo wheel's magnetic-indexing circuit malfunctions (sensor failed or magnet is missing) or there is a stepper motor failure (defective motor or defective motor IC drive on main PCB).

Focus Er

This message will appear after the reset of the fixture and if the magnetic indexing circuit malfunctions (sensor failed or magnet missing) or the stepping-motor is defective (or its driver circuit on the main PCB). The focus motor is not located in the default position after the reset.

Iris Er

This message will appear after the reset of the fixture and if the magnetic indexing circuit malfunctions (sensor failed or magnet missing) or the stepping-motor is defective (or its driver circuit on the main PCB). The iris motor is not located in the default position after the reset.

Zoom Er

This message will appear after the reset of the fixture and if the magnetic indexing circuit malfunctions (sensor failed or magnet missing) or the stepping-motor is defective (or its driver circuit on the main PCB). The zoom motor is not located in the default position after the reset.

CLEANING AND MAINTENANCE

CAUTION!
Disconnect from mains before starting maintenance operation.

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. Lose 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.

TECHNICAL SPECIFICATIONS

FEATURES
Motorized 14° - 32° Zoom and Focus
RGBW Color Mixing and Color Macros
Variable Color Temperatures
Internal EWDMX Wireless DMX Receiver
RDM - Remote Device Management
Flicker Free Operation for Broadcast TV and FILM

SOURCE
300W LED Engine
60,000 Hour Average LED Engine Life

EFFECTS
3-Facet Rotating-Indexing Prism and Frost Filter
High Speed Shutter and Iris
Strobe: 1-18fps
Dimming: 0% - 100%

COLOR
RGBW Color Mixing and Color Macros
Variable Color Temperatures (2,700K - 8,000K)

GOBOS
Wheel 1: (6) Rotating / Interchangeable Gobos
Wheel 2: (7) Static / Stamped Gobos

CONTROL / CONNECTIONS
(3) DMX Channel Modes (20 / 22 / 26)
6 Button Touch Control Panel
RDM (Remote Device Management)
Full Color 180° Reversible LCD Menu Display
16 Bit 3-Phase Motors
8 / 16 Bit Resolution Adjustable Movement
3pin and 5pin DMX In/Out
powerCON Power In

SIZE / WEIGHT
Length: 16.9" (430mm)
Width: 20.0" (508mm)
Vertical Height: 28.4" (721mm)
Weight: 65.0 lbs. (29.5 kg)

ELECTRICAL / THERMAL
AC 100-240V - 50/60Hz
450W Max Power Consumption
14°F to 113°F (-10°C to 45°C)

APPROVALS / RATINGS
CE and cETLus Approved
RoHs Compliant
IP20 Rated

INSTALLATION
Rigging: Clamps (Not Included)
Working Position: Flat Surface / Inverted (180°)

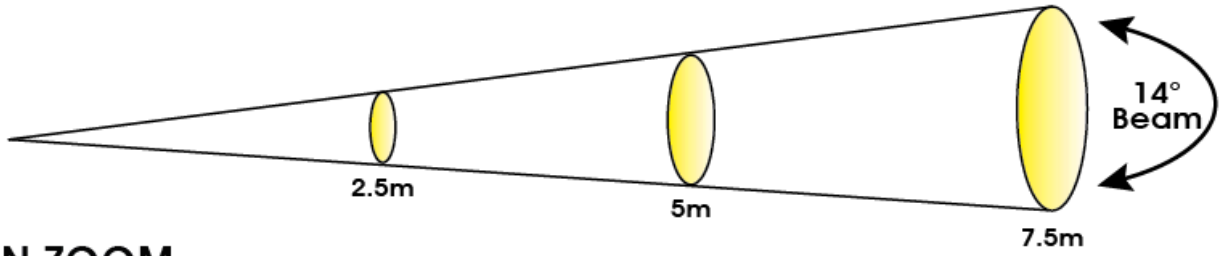
Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

GOBOS

ROTATING GOBOS

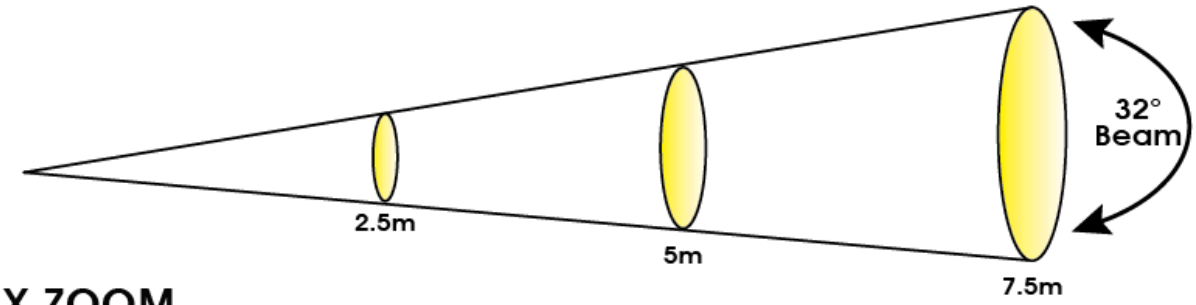
STATIC GOBOS

PHOTOMETRIC DATA



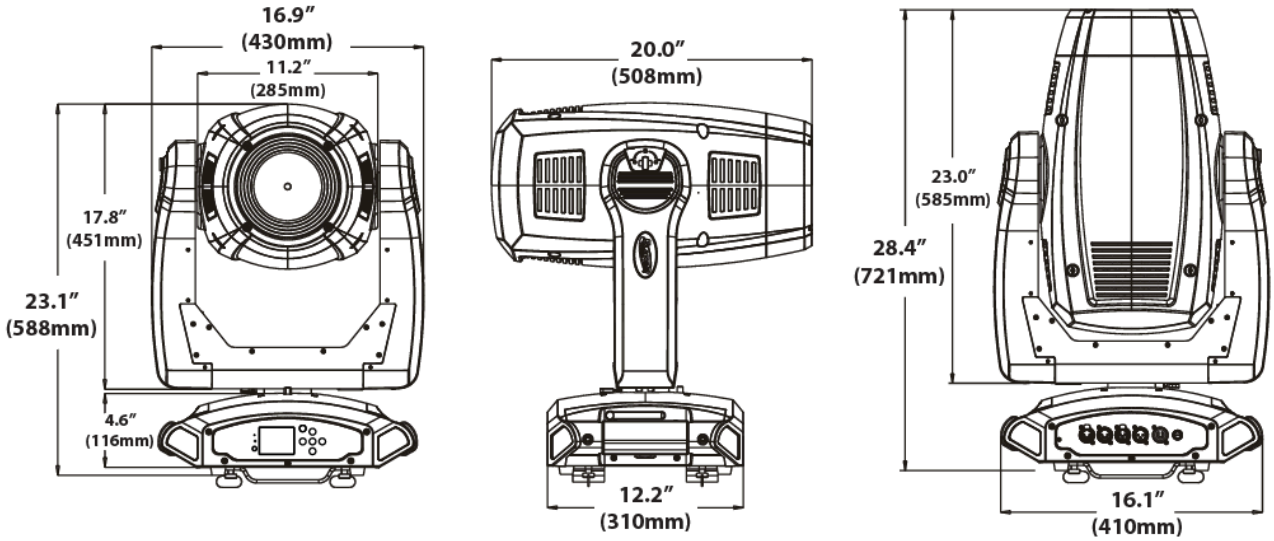
MIN ZOOM	m	ft	m	ft	m	ft
Distance	2.5	8.2	5	16.4	7.5	24.6
14° Beam Diameter	0.65	2.1	1.3	4.3	1.95	6.4
Photometrics	**lux**	**fc**	**lux**	**fc**	**lux**	**fc**
FULL ON	14,780	1,373	3,855	358	1,726	160
RED	2,480	230	650	60	274	25
GREEN	4,480	416	173	16	522	48
BLUE	580	54	148	14	66	6
WHITE	8,978	834	2,345	218	1,054	98

PHOTOMETRIC DATA (continued)



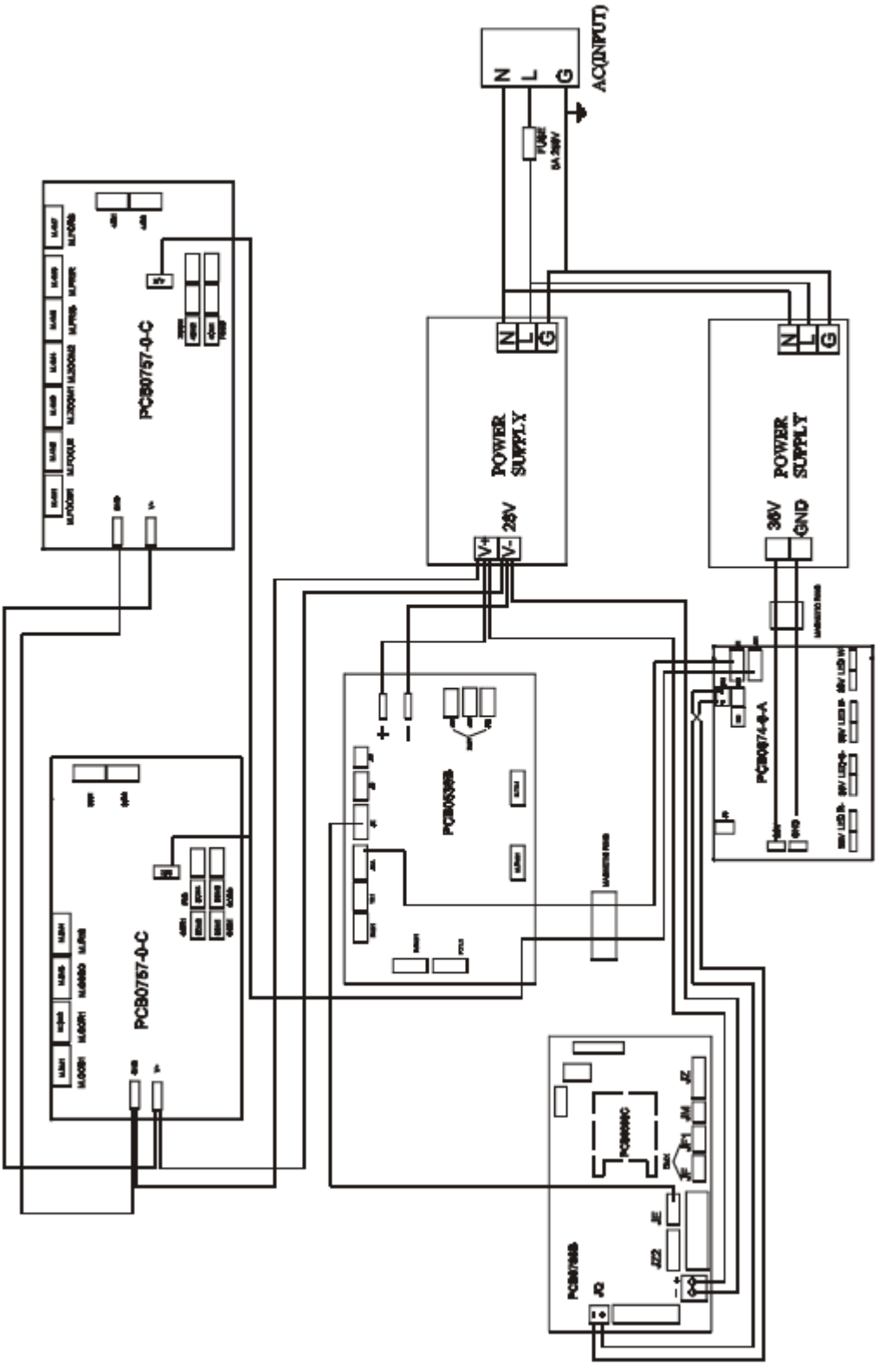
MAX ZOOM	m	ft	m	ft	m	ft
Distance	1	3.3	2	6.6	3	9.8
32° Beam Diameter	1.47	4.8	2.94	9.6	4.41	14.5
Photometrics	**lux**	**fc**	**lux**	**fc**	**lux**	**fc**
FULL ON	3,411	317	890	83	410	38
RED	595	55	150	14	70	7
GREEN	1,031	96	265	25	120	11
BLUE	130	12	35	3	15	1
WHITE	2,083	194	540	50	243	23

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.

CIRCUIT SCHEMATICS



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OPTIONAL ACCESSORIES

ORDER CODE	ITEM
TRIGGER CLAMP	Heavy Duty Wrap Around Hook Style Clamp
DRCSATTOUR	Road Case For Satura Spot LED PRO™
ELO211	Eloader II™ Software Updater Box
EWDMXSYSTEM	Wireless DMX System (1 Transmitter, 1 Receiver)
AC3PDMX5PRO	5 ft. (1.5m) 3pin PRO DMX Cable (additonal lengths available)
AC5PDMX5PRO	5 ft. (1.5m) 5pin PRO DMX Cable (additonal lengths available)