



SIXBAR 1000



User Manual

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Elation Professional USA | 6122 S. Eastern Ave. | Los Angeles, CA. 90040
 323-582-3322 | 323-832-9142 fax | www.elationlighting.com | info@elationlighting.com

Elation Professional B.V. | Junostraat 2 | 6468 EW Kerkrade, The Netherlands
 +31 45 546 85 66 | +31 45 546 85 96 fax | www.elationlighting.eu | info@elationlighting.eu

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

DOCUMENT VERSION



Due to additional product features and/or enhancements, an updated version of this document may be available online. Please scan the QR Code with your mobile device or visit www.elationlighting.com for the latest revision/update of this manual, before installation and/or programming.

Date	Document Version	Software Version	DMX Channel Mode	Notes
03/2015	1	1/06	6 / 7 / 11 / 13 / 36 / 72 / 75 / 79 Channels	Initial release
04/2019	1.1	N/C	No Change	Updated UV warning
10/2020	2	1.19	No Change	Updated primary/secondary mode
10/28/2021	2.1	N/C	No Change	Added RDM Section, corrected Color Macro Menu

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GENERAL INFORMATION

INTRODUCTION

Congratulations, you have just purchased one of the most innovative and reliable lighting fixtures on the market today! The SIXBAR 1000™ 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 SIXBAR 1000™ by Elation Professional®. Every SIXBAR 1000™ 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

- Power Cable (x1)
- Frost Filter (x1)
- Glare Shield (x1)
- Frost Filter/Glare Shield Mounting Screws (x3)
- Manual & Warranty Card (x1)



- **RISK GROUP 3 - RISK OF EXPOSURE TO ULTRAVIOLET (UV) RADIATION! FIXTURE EMITS HIGH INTENSITY WAVELENGTH OF ULTRAVIOLET LIGHT**
- **WEAR PROPER EYE AND SKIN PROTECTION.**
- **AVOID PROLONGED PERIODS OF EXPOSURE.**
- **AVOID WEARING WHITE COLOR CLOTHING AND/OR USING (UV) PAINTS ON SKIN.**
- **AVOID DIRECT EYE AND/OR SKIN EXPOSURE AT DISTANCES SHORTER THAN 11 feet (3.3m).**
- **DO NOT OPERATE FIXTURE WITH DAMAGED/MISSING EXTERNAL COVER PROTECTIVE LENS.**
- **DO NOT LOOK DIRECTLY INTO THE (UV) LIGHT AND/OR VIEW (UV) LIGHT DIRECTLY WITH OPTICAL INSTRUMENTS THAT MAY CONCENTRATE THE LIGHT/RADIATION OUTPUT.**
- **INDIVIDUALS SUFFERING FROM A RANGE OF EYE CONDITIONS, SUNLIGHT EXPOSURE DISORDERS, OR INDIVIDUALS USING PHOTOSENSITIVE MEDICATION MAY EXPERIENCE DISCOMFORT IF EXPOSED TO THE ULTRAVIOLET (UV) LIGHT EMITTED FROM THIS FIXTURE.**

GENERAL INFORMATION

CUSTOMER SUPPORT

Elation Professional® provides a customer support line to provide set up help and to answer any questions that may arise during 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

E-mail: support@elationlighting.com

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

Voice: +31 45 546 85 30 Fax: +31 45 546 85 96

E-mail: support@elationlighting.eu

WARRANTY REGISTRATION

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 accompanied by a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper and included in the shipping container. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. Items returned without an R.A. number clearly marked on the outside of the package will be refused and returned at customer's expense. You may obtain an R.A. number by contacting customer support.



There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, as doing so will void your manufacturer's warranty. Damages resulting from modifications to this fixture and/or the disregard of safety and general user instructions found in this user manual void the manufactures warranty and are not subject to any warranty claims and/or repairs.

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), 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 accompanied by a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper and included in the shipping container. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. Items returned without an R.A. number clearly marked on the outside of the package will be refused and returned at customer's expense. You may obtain an R.A. number by contacting customer support.

SAFETY INSTRUCTIONS

The SIXBAR 1000™ is an extremely sophisticated piece of electronic equipment. To guarantee 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 is essential this device be grounded properly. Only qualified personnel should perform all electrical connections.



KEEP THIS FIXTURE AWAY FROM RAIN AND MOISTURE!



**UNPLUG POWER BEFORE SERVICING!
NEVER TOUCH FIXTURE DURING OPERATION, AS IT MAY BE HOT!**



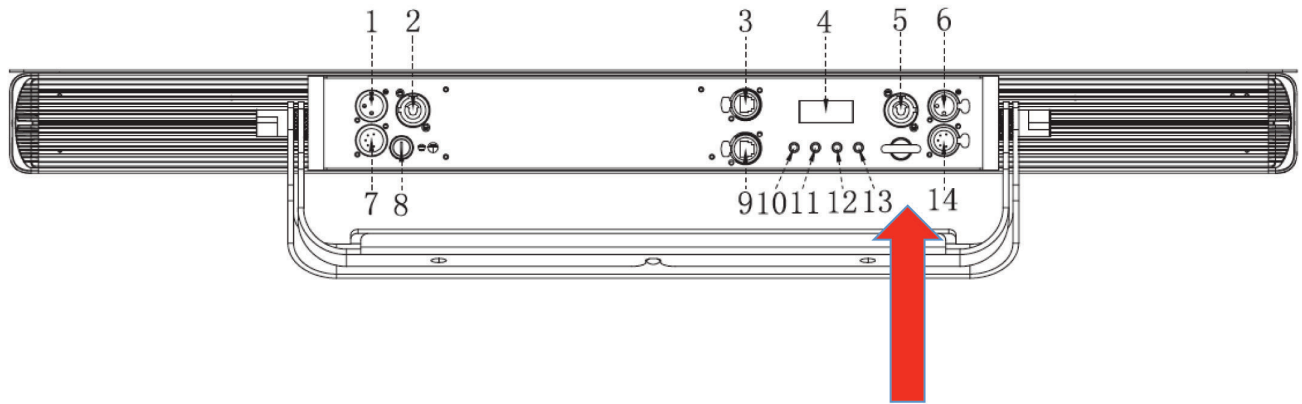
**NEVER LOOK DIRECTLY INTO THE LIGHT SOURCE!
SENSITIVE PERSONS MAY SUFFER AN EPILEPTIC SHOCK!**

- For proper operation, follow the guidelines described in the **Fixture Installation** section of 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 manufacturer's warranty and increase the risk of damage and/or personal injury.
- Never look directly into the light source of this fixture! Doing so carries a risk of retina injury, 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, and 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 the same power rating.

SAFETY 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.
- In order to avoid the risk of fire, please make sure there are NO FLAMMABLE MATERIALS close to the fixture while it is operating.
- 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. Consistent operational breaks may ensure the fixture will function properly for many years to come.
- DO NOT shake the fixture, and avoid brute force when installing and/or operating fixture.
- Always install the fixture with an appropriately rated safety cable. When installing the fixture in a suspended environment, always use mounting hardware that is no less than M10 x 25 mm, and also be sure the hardware is inserted securely in the pre-arranged screw holes in the bracket of the fixture.
- Use the original packaging and materials to transport the fixture for service.
- DO NOT TOUCH the housing with bare hands during operation. Turn OFF the power and allow approximately 15 minutes for the fixture to cool down before replacing or serving.

FIXTURE OVERVIEW



SAFETY CABLE
RIGGING POINT

1. 3-pin DMX In
2. Power In
3. RJ45 Net In
4. LCD Menu Control Display
5. Power Out
6. 3-pin DMX Out
7. 5-pin DMX In
8. Fuse
9. RJ45 Net Out
10. Mode Button
11. Up Button
12. Down Button
13. Enter Button
14. 5-pin DMX Out

FIXTURE INSTALLATION



FLAMMABLE MATERIAL WARNING

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



ELECTRICAL CONNECTIONS

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

ADDITIONAL PRECAUTIONS:

- For added protection, mount the fixture outside of walking paths, seating areas, or areas where unauthorized personnel might reach the fixture.
- Ambient operating temperature range for this fixture is **5°F to 113°F (-15°C to 45°C)**. Do not operate the fixture when ambient temperatures fall outside of this range.
- 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.
- Fixture installation must always be secured with a secondary safety attachment, such as an appropriately rated safety cable.
- Never stand directly below the device when mounting, removing, or servicing.

POWER LINKING

Max number of units that can be power linked is as follows:

- **6 units @110V.**
- **15 units @240V.**

CLAMP MOUNTING

The SIXBAR 1000™ includes integrated dual floor stand/rigging yokes. When mounting this fixture to a truss, be sure to secure appropriately rated clamps to the yokes using a M10 screw fitted through the center hole.



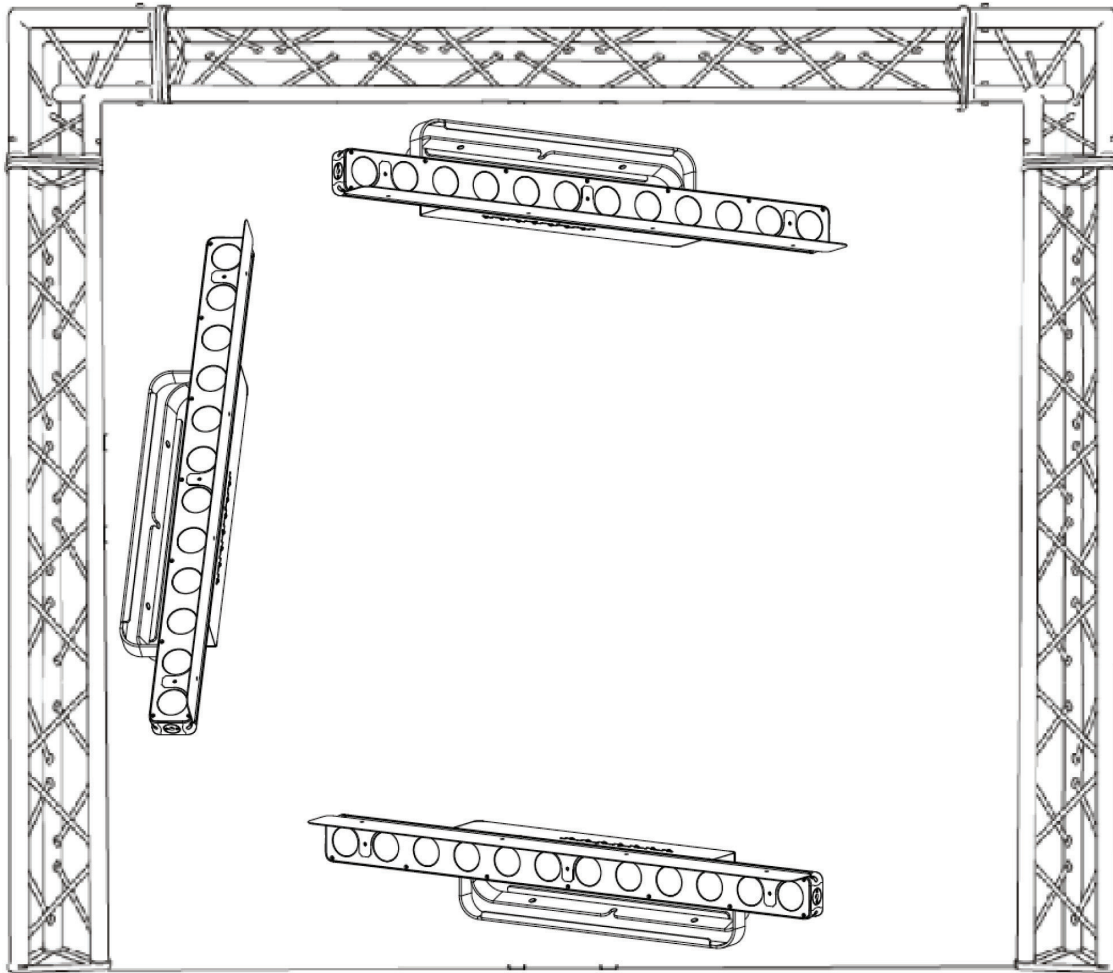
SAFETY CABLE

Always use a safety cable (not included) whenever installing this fixture in a suspended environment to ensure that the fixture will not drop if the clamp fails.

FIXTURE INSTALLATION

MOUNTING POINTS

- Overhead mounting requires extensive experience, including calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the device, among other skills. 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.



UNDERSTANDING DMX

DMX-512

DMX is short for Digital Multiplex. This is a universal protocol used by most lighting and controller manufacturers as a form of communication between intelligent fixtures and controllers. DMX allows all makes and models of different manufacturers to be linked together and operate from a single controller, 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 terminals).

DMX LINKING

To ensure proper DMX data transmission, always use proper DMX cables and a terminator. Try to use the shortest cable path possible when linking several DMX fixtures. 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 SIXBAR 1000™ can be controlled via DMX-512 protocol and the DMX address is set via the control menu.

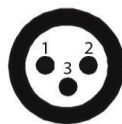
DATA CABLE (DMX CABLE) REQUIREMENTS

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 XLR connector at one end and a female XLR connector on the other. 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

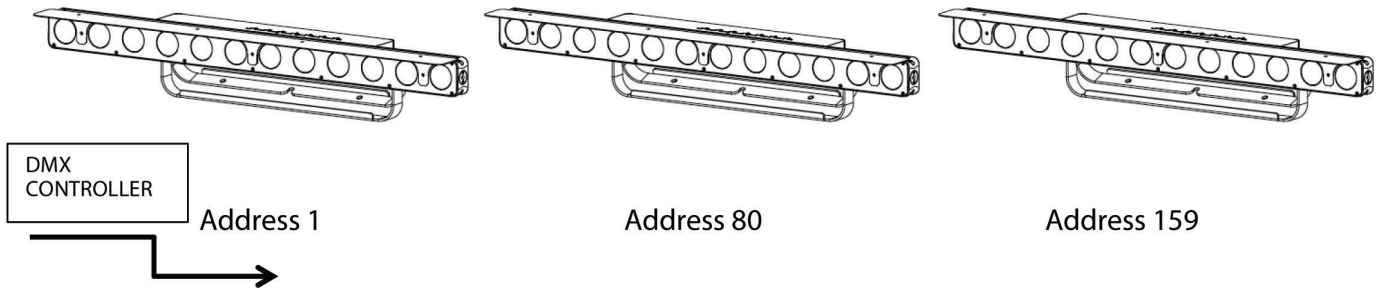


Be sure to follow the above figure when making your own cables. Do not use the ground lug on the XLR connector. Do not connect the cable’s shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR outer casing. Grounding the shield could cause a short circuit and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

UNDERSTANDING DMX

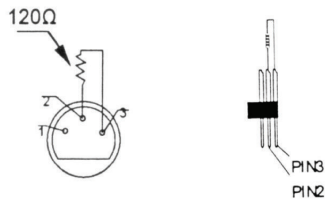
CONTROLLER CONNECTION

Connect the male end of the provided XLR cable to the female XLR output of your controller, and the female side of the cable to the male XLR input of the SIXBAR 1000™. The diagram below illustrates a typical DMX-512 connection when the fixture is in the 79 Channel 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™.



DMX TERMINATOR

A DMX terminator should be used in all DMX lines, especially in longer runs. The use of a terminator may reduce the risk of 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 risk 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 adapter must be used. These adapters 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

UNDERSTANDING DMX

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 addresses 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.

As an example, in the case of the SIXBAR 1000™ operating in the 79 Channel Mode the starting DMX address of the first unit should be set to 1, the second unit to 80 (1 + 79), the third unit to 159 (80 + 79), and so on. Refer to the table below:

DMX CHANNEL MODE	FIXTURE 1 ADDRESS	FIXTURE 2 ADDRESS	FIXTURE 3 ADDRESS
6	1	7	13
7	1	8	15
11	1	12	23
13	1	14	27
36	1	37	73
72	1	73	145
75	1	76	151
79	1	80	159

Note: During start-up the SIXBAR 1000™ will automatically detect whether a DMX data signal is being received or not. If the fixture is 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.

REMOTE DEVICE MANAGEMENT (RDM)

NOTE: In order for RDM to work properly, RDM enabled equipment must be used throughout the entire system, including DMX data splitters and wireless systems.

Remote Device Management (RDM) is a protocol that sits on top of the DMX512 data standard for lighting, and allows the DMX systems of the fixtures to be modified and monitored remotely. This protocol is ideal for instances in which a unit is installed in a location that is not easily accessible.

With RDM, the DMX512 system becomes bi-directional, allowing a compatible RDM enabled controller to send out a signal to devices on the wire, as well as allowing the fixture to respond (known as a GET command). The controller can then use its SET command to modify settings that would typically have to be changed or viewed directly via the unit's display screen, including the DMX Address, DMX Channel Mode, and Temperature Sensors.

Please be aware that **not all RDM devices support all RDM features**, and therefore it is important to check beforehand to ensure that the equipment that you are considering includes all of the features that you require.

The following parameters are accessible in RDM on this device:

SENSOR_DEFINITION
SENSOR_VALUE
DEVICE_MODEL_DESCRIPTION
MANUFACTURER_LABEL
DEVICE_LABEL
DMX_PERSONALITY
DMX_PERSONALITY_DESCRIPTION
DEVICE_HOURS
COMMS_STATUS
STATUS_ID_DESCRIPTION
CLEAR_STATUS_ID
BOOT_SOFTWARE_VERSION_ID
RESET_DEVICE
FACTORY_DEFAULTS

FIXTURE MENU

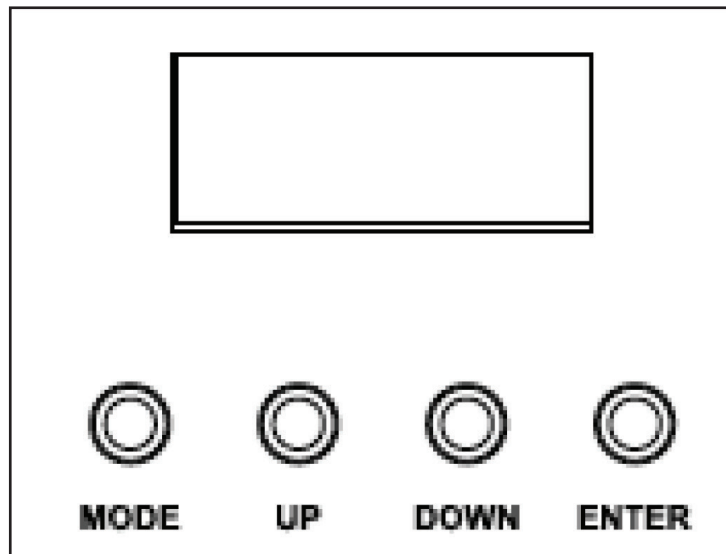
ON-BOARD SYSTEM MENU

The SIXBAR 1000™ comes with an easy to navigate system menu. This section details the functions of each command in the system menu.

LCD CONTROL PANEL DISPLAY

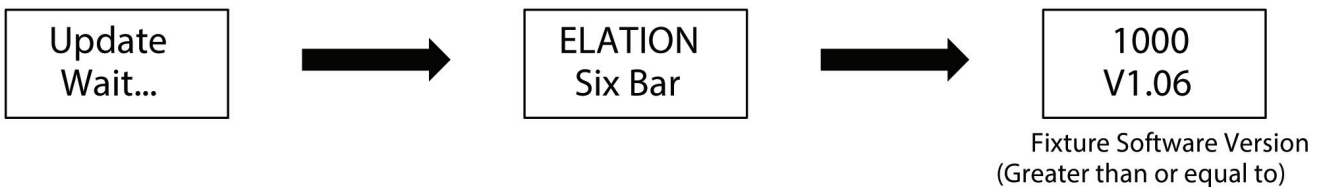
The control panel (see image below) located on the top of the fixture allows you to access the main menu and make all necessary adjustments to the SIXBAR 1000™. During normal operation, pressing MODE button once will access the fixture's main menu. Once in the main menu, you can navigate through the different functions and access the sub-menus with the UP and DOWN 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 button.

NOTE: The LCD Menu Control Display will shut OFF and lockout after 30 seconds of inactivity. Press and hold the MODE button for 10 seconds to unlock the LCD display.



INFORMATION DISPLAYED DURING INITIAL POWER ON

When the fixture is initially powered ON, the display shows the following information:



FIXTURE MENU

MENU	OPTIONS / VALUES		DESCRIPTION
DMX MODE	ADDR:xxx	001 - 512	Set DMX address
	CH:xx	06	Set DMX channel mode
		07	
		11	
		13	
		36	
		72	
		75	
		79	
SECONDARY MODE			Set unit to secondary mode
AUTO RUN	FQN: 01 - 99		Set the number of times each internal macro will repeat before moving to the next macro
01.STATIC - 15.FLOW1	01 - 15		Select Internal Program Macro; see Program Macro Menu for details
DIMCURVE	Standard		Set desired dimming curve
	Stage		
	TV		
	Architec		
	Theatre		
FLIP	On / Off		Set LED display position
NO DMX	Hold		Define how fixture reacts when DMX signal is lost or interrupted
	Blackout		
	Program		
MANUAL	Rxxx	000 - 255	Manual red adjustment
	Gxxx	000 - 255	Manual green adjustment
	Bxxx	000 - 255	Manual blue adjustment
	Wxxx	000 - 255	Manual white adjustment
	Axxx	000 - 255	Manual amber adjustment
	Uxxx	000 - 255	Manual UV adjustment
	STRxx	00 - 99	Manual strobe adjustment
MACROS	00 - 63		Select internal color macro; see Color Macro Menu for detailed info
CONTINUED ON NEXT PAGE			

FIXTURE MENU

MENU	OPTIONS / VALUES		DESCRIPTION
NET SET FIX ID	Set PIN	Password = 050	Enter password to access network menus
FIX ID IP ADDR	xxx.xxx.xxx.xxx		Set IP address (password protected option)
FIX ID CTR ADDR	xxx.xxx.xxx.xxx		Set subnet mask (password protected option)
FIX ID UNI-VERSE	000 - 255		Set DMX universe number (password protected option)
PRO SET	K-Net		Set to KlingNet protocol
	ArtNet (default)		Set to ArtNet protocol
NET SWI	On (default) / Off		Set ethernet switch

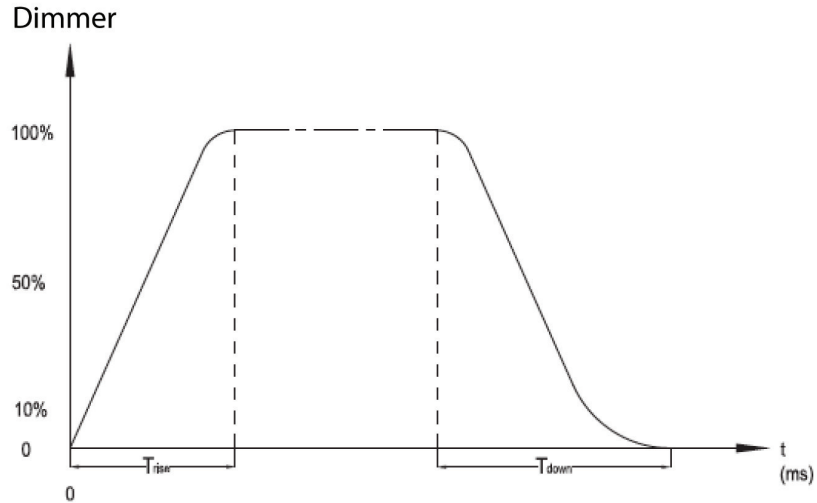
PROGRAM MACRO MENU

MACRO	OPTIONS / VALUES
01. STATIC	CL: RGB
	F: 00 - 99
02. DREAM	Speed: 01-99
	Flash: 00 - 99
03. METOR	Speed: 01-99
	Flash: 00 - 99
04. FADE	Speed: 01-99
	Flash: 00 - 99
05. CHANG	Speed: 01-99
	Flash: 00 - 99
06. FLOW1	Speed: 01-99
	Flash: 00 - 99
07. FLOW2	Speed: 01-99
	Flash: 00 - 99
08. FLOW3	Speed: 01-99
	Flash: 00 - 99
09. FLOW4	Speed: 01-99
	Flash: 00 - 99
10. FLOW5	Speed: 01-99
	Flash: 00 - 99
11. FLOW6	Speed: 01-99
	Flash: 00 - 99
12. FLOW7	Speed: 01-99
	Flash: 00 - 99
13. FLOW8	Speed: 01-99
	Flash: 00 - 99
	C1: RGB
	C2: RGB
14. FLOW9	Speed: 01-99
	Flash: 00 - 99
	C1: RGB
	C2: RGB
15. FLOW10	Speed: 01-99
	Flash: 00 - 99

DIMMING CURVES

The DimCurve menu allows you to select one of the following preset dimming curves: **Standard, Stage, TV, Architectural, Theatre, or Default.**

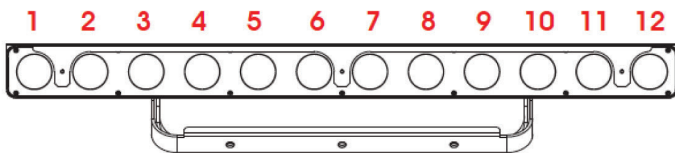
(See diagram below for more details)



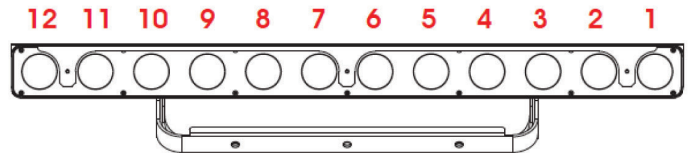
Ramp Effect	OS (Fade Time)		1S (Fade Time)	
	T_{rise} (ms)	T_{down} (ms)	T_{rise} (ms)	T_{down} (ms)
Standard	0	0	0	0
Stage	780	1100	1540	1660
TV	1180	1520	1860	1940
Architectural	1380	1730	2040	2120
Theatre	1580	1940	2230	2280

PIXEL FLIP

Use the UP/DOWN buttons to select the desired setting for the starting COB module and chase direction, then press ENTER to confirm. The options are shown below:



Flip = OFF



Flip = ON

COLOR MACRO MENU

MACRO	DMX VALUES
00. Off	000 - 003
01. Red	004 - 007
02. Green	008 - 011
03. Blue	012 - 015
04. White	016 - 019
05. Amber	020 - 023
06. UV	024 - 027
07. Red + Green	028 - 031
08. Red + Blue	032 - 035
09. Red + White	036 - 039
10. Red + Amber	040 - 043
11. Red + UV	044 - 047
12. Green + Blue	048 - 051
13. Green + White	052 - 055
14. Green + Amber	056 - 059
15. Green + UV	060 - 063
16. Blue + White	064 - 067
17. Blue + Amber	068 - 071
18. Blue + UV	072 - 075
19. White + Amber	076 - 079
20. White + UV	080 - 083
21. Amber + UV	084 - 087
22. Red + Green + Blue	088 - 091
23. Red + Green + White	092 - 095
24. Red + Green + Amber	096 - 099
25. Red + Green + UV	100 - 103
26. Red + Blue + White	104 - 107
27. Red + Blue + Amber	108 - 111
28. Red + Blue + UV	112 - 115
29. Red + White + Amber	116 - 119
30. Red + White + UV	120 - 123
31. Red + Amber + UV	124 - 127
32. Green + Blue + White	128 - 131

MACRO	DMX VALUES
33. Green + Blue + Amber	132 - 135
34. Green + Blue + UV	136 - 139
35. Green + White + Amber	140 - 143
36. Green + White + UV	144 - 147
37. Green + Amber + UV	148 - 151
38. Blue + White + Amber	152 - 155
39. Blue + White + UV	156 - 159
40. Blue + Amber + UV	160 - 163
41. White + Amber + UV	164 - 167
42. Red + Green + Blue + White	168 - 171
43. Red + Green + Blue + Amber	172 - 175
44. Red + Green + Blue + UV	176 - 179
45. Red + Green + White + Amber	180 - 183
46. Red + Green + White + UV	184 - 187
47. Red + Green + Amber + UV	188 - 191
48. Red + Blue + White + Amber	192 - 195
49. Red + Blue + White + UV	196 - 199
50. Red + Blue + Amber + UV	200 - 203
51. Red + White + Amber + UV	204 - 207
52. Green + Blue + White + Amber	208 - 211
53. Green + Blue + White + UV	212 - 215
54. Green + Blue + Amber + UV	216 - 219
55. Green + White + Amber + UV	220 - 223
56. Blue + White + Amber + UV	224 - 227
57. Red + Green + Blue + White + Amber	228 - 231
58. Red + Green + Blue + White + UV	232 - 235
59. Red + Green + Blue + Amber + UV	236 - 239
60. Red + Green + White + Amber + UV	240 - 243

COLOR MACRO MENU

MACRO	DMX VALUES
61. Red + Blue + White + Amber + UV	244 - 247
62. Green + Blue + White + Amber + UV	248 - 251
63. Red + Green + Blue + White + Amber + UV	252 - 255

DMX WORKSHOP™ (alternative software option to configure network settings)

DMX-Workshop™ is a fully featured network management, analysis, configuration, and diagnostics tool for Art-Net networks. It can be used to configure the Ethernet network settings on this fixture remotely, such as the IP Address, Subnet Mask, and the DMX Universe. This software application is Windows XP™ and Windows 7™ compatible and is free of charge and available via download here.

(See link below)

http://artisticlicence.com/index.php?mode=products&sub=overview&action=&product_id=351

DMX CHANNEL FUNCTIONS AND VALUES

DMX CHANNEL MODE								DMX VALUES	FUNCTION
6CH	7CH	11CH	13CH	36CH	72CH	75CH	79CH		
1	1	1	1					000 - 255	Red, All LEDs (1-12), 0% to 100%
2	2	2	2					000 - 255	Green, All LEDs (1-12), 0% to 100%
3	3	3	3					000 - 255	Blue, All LEDs (1-12), 0% to 100%
4	4	4	4					000 - 255	White, All LEDs (1-12), 0% to 100%
5	5	5	5					000 - 255	Amber, All LEDs (1-12), 0% to 100%
6	6	6	6					000 - 255	UV, All LEDs (1-12), 0% to 100%
				1				000 - 255	Red, LEDs 1-2, 0% to 100%
				2				000 - 255	Green, LEDs 1-2, 0% to 100%
				3				000 - 255	Blue, LEDs 1-2, 0% to 100%
				4				000 - 255	White, LEDs 1-2, 0% to 100%
				5				000 - 255	Amber, LEDs 1-2, 0% to 100%
				6				000 - 255	UV, LEDs 1-2, 0% to 100%
				7				000 - 255	Red, LEDs 3-4, 0% to 100%
				8				000 - 255	Green, LEDs 3-4, 0% to 100%
				9				000 - 255	Blue, LEDs 3-4, 0% to 100%
				10				000 - 255	White, LEDs 3-4, 0% to 100%
				11				000 - 255	Amber, LEDs 3-4, 0% to 100%
				12				000 - 255	UV, LEDs 3-4, 0% to 100%
				13				000 - 255	Red, LEDs 5-6, 0% to 100%
				14				000 - 255	Green, LEDs 5-6, 0% to 100%
				15				000 - 255	Blue, LEDs 5-6, 0% to 100%
				16				000 - 255	White, LEDs 5-6, 0% to 100%
				17				000 - 255	Amber, LEDs 5-6, 0% to 100%
				18				000 - 255	UV, LEDs 5-6, 0% to 100%
				19				000 - 255	Red, LEDs 7-8, 0% to 100%
				20				000 - 255	Green, LEDs 7-8, 0% to 100%
				21				000 - 255	Blue, LEDs 7-8, 0% to 100%
				22				000 - 255	White, LEDs 7-8, 0% to 100%
				23				000 - 255	Amber, LEDs 7-8, 0% to 100%
				24				000 - 255	UV, LEDs 7-8, 0% to 100%
				25				000 - 255	Red, LEDs 9-10, 0% to 100%
				26				000 - 255	Green, LEDs 9-10, 0% to 100%
				27				000 - 255	Blue, LEDs 9-10, 0% to 100%
				28				000 - 255	White, LEDs 9-10, 0% to 100%
				29				000 - 255	Amber, LEDs 9-10, 0% to 100%

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DMX CHANNEL FUNCTIONS AND VALUES

DMX CHANNEL MODE								DMX VALUES	FUNCTION
6CH	7CH	11CH	13CH	36CH	72CH	75CH	79CH		
				30				000 - 255	UV, LEDs 9-10 , 0% to 100%
				31				000 - 255	Red, LEDs 11-12 , 0% to 100%
				32				000 - 255	Green, LEDs 11-12 , 0% to 100%
				33				000 - 255	Blue, LEDs 11-12 , 0% to 100%
				34				000 - 255	White, LEDs 11-12 , 0% to 100%
				35				000 - 255	Amber, LEDs 11-12 , 0% to 100%
				36				000 - 255	UV, LEDs 11-12 , 0% to 100%
					1	1	1	000 - 255	Red, LED 1 , 0% to 100%
					2	2	2	000 - 255	Green, LED 1 , 0% to 100%
					3	3	3	000 - 255	Blue, LED 1 , 0% to 100%
					4	4	4	000 - 255	White, LED 1 , 0% to 100%
					5	5	5	000 - 255	Amber, LED 1 , 0% to 100%
					6	6	6	000 - 255	UV, LED 1 , 0% to 100%
					7	7	7	000 - 255	Red, LED 2 , 0% to 100%
					8	8	8	000 - 255	Green, LED 2 , 0% to 100%
					9	9	9	000 - 255	Blue, LED 2 , 0% to 100%
					10	10	10	000 - 255	White, LED 2 , 0% to 100%
					11	11	11	000 - 255	Amber, LED 2 , 0% to 100%
					12	12	12	000 - 255	UV, LED 2 , 0% to 100%
					13	13	13	000 - 255	Red, LED 3 , 0% to 100%
					14	14	14	000 - 255	Green, LED 3 , 0% to 100%
					15	15	15	000 - 255	Blue, LED 3 , 0% to 100%
					16	16	16	000 - 255	White, LED 3 , 0% to 100%
					17	17	17	000 - 255	Amber, LED 3 , 0% to 100%
					18	18	18	000 - 255	UV, LED 3 , 0% to 100%
					19	19	19	000 - 255	Red, LED 4 , 0% to 100%
					20	20	20	000 - 255	Green, LED 4 , 0% to 100%
					21	21	21	000 - 255	Blue, LED 4 , 0% to 100%
					22	22	22	000 - 255	White, LED 4 , 0% to 100%
					23	23	23	000 - 255	Amber, LED 4 , 0% to 100%
					24	24	24	000 - 255	UV, LED 4 , 0% to 100%
					25	25	25	000 - 255	Red, LED 5 , 0% to 100%
					26	26	26	000 - 255	Green, LED 5 , 0% to 100%
					27	27	27	000 - 255	Blue, LED 5 , 0% to 100%
					28	28	28	000 - 255	White, LED 5 , 0% to 100%

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DMX CHANNEL FUNCTIONS AND VALUES

DMX CHANNEL MODE								DMX VALUES	FUNCTION
6CH	7CH	11CH	13CH	36CH	72CH	75CH	79CH		
					29	29	29	000 - 255	Amber, LED 5 , 0% to 100%
					30	30	30	000 - 255	UV, LED 5 , 0% to 100%
					31	31	31	000 - 255	Red, LED 6 , 0% to 100%
					32	32	32	000 - 255	Green, LED 6 , 0% to 100%
					33	33	33	000 - 255	Blue, LED 6 , 0% to 100%
					34	34	34	000 - 255	White, LED 6 , 0% to 100%
					35	35	35	000 - 255	Amber, LED 6 , 0% to 100%
					36	36	36	000 - 255	UV, LED 6 , 0% to 100%
					37	37	37	000 - 255	Red, LED 7 , 0% to 100%
					38	38	38	000 - 255	Green, LED 7 , 0% to 100%
					39	39	39	000 - 255	Blue, LED 7 , 0% to 100%
					40	40	40	000 - 255	White, LED 7 , 0% to 100%
					41	41	41	000 - 255	Amber, LED 7 , 0% to 100%
					42	42	42	000 - 255	UV, LED 7 , 0% to 100%
					43	43	43	000 - 255	Red, LED 8 , 0% to 100%
					44	44	44	000 - 255	Green, LED 8 , 0% to 100%
					45	45	45	000 - 255	Blue, LED 8 , 0% to 100%
					46	46	46	000 - 255	White, LED 8 , 0% to 100%
					47	47	47	000 - 255	Amber, LED 8 , 0% to 100%
					48	48	48	000 - 255	UV, LED 8 , 0% to 100%
					49	49	49	000 - 255	Red, LED 9 , 0% to 100%
					50	50	50	000 - 255	Green, LED 9 , 0% to 100%
					51	51	51	000 - 255	Blue, LED 9 , 0% to 100%
					52	52	52	000 - 255	White, LED 9 , 0% to 100%
					53	53	53	000 - 255	Amber, LED 9 , 0% to 100%
					54	54	54	000 - 255	UV, LED 9 , 0% to 100%
					55	55	55	000 - 255	Red, LED 10 , 0% to 100%
					56	56	56	000 - 255	Green, LED 10 , 0% to 100%
					57	57	57	000 - 255	Blue, LED 10 , 0% to 100%
					58	58	58	000 - 255	White, LED 10 , 0% to 100%
					59	59	59	000 - 255	Amber, LED 10 , 0% to 100%
					60	60	60	000 - 255	UV, LED 10 , 0% to 100%
					61	61	61	000 - 255	Red, LED 11 , 0% to 100%
					62	62	62	000 - 255	Green, LED 11 , 0% to 100%
					63	63	63	000 - 255	Blue, LED 11 , 0% to 100%

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DMX CHANNEL FUNCTIONS AND VALUES

DMX CHANNEL MODE								DMX VALUES	FUNCTION
6CH	7CH	11CH	13CH	36CH	72CH	75CH	79CH		
					64	64	64	000 - 255	White, LED 11 , 0% to 100%
					65	65	65	000 - 255	Amber, LED 11 , 0% to 100%
					66	66	66	000 - 255	UV, LED 11 , 0% to 100%
					67	67	67	000 - 255	Red, LED 12 , 0% to 100%
					68	68	68	000 - 255	Green, LED 12 , 0% to 100%
					69	69	69	000 - 255	Blue, LED 12 , 0% to 100%
					70	70	70	000 - 255	White, LED 12 , 0% to 100%
					71	71	71	000 - 255	Amber, LED 12 , 0% to 100%
					72	72	72	000 - 255	UV, LED 12 , 0% to 100%
	7	7	7			73	73	000 - 255	Master Dimmer , 0% to 100%
									Strobe
								000 - 031	No Function
								032 - 063	LEDs On
								064 - 095	Strobe Effect, slow to fast
		8	8			74	74	096 - 127	LEDs On
								128 - 159	Pulse Effect in Sequence, slow to fast
								160 - 191	LEDs On
								192 - 223	Random Strobe Effect, slow to fast
								224 - 255	LEDs On
									Color Macros
								000 - 003	No Function
								004 - 007	Color Macro 01
								008 - 011	Color Macro 02
								012 - 015	Color Macro 03
								016 - 019	Color Macro 04
								020 - 023	Color Macro 05
								024 - 027	Color Macro 06
			9				75	028 - 031	Color Macro 07
								032 - 035	Color Macro 08
								036 - 039	Color Macro 09
								040 - 043	Color Macro 10
								044 - 047	Color Macro 11
								048 - 051	Color Macro 12
								052 - 055	Color Macro 13
								056 - 059	Color Macro 14
								060 - 063	Color Macro 15

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DMX CHANNEL FUNCTIONS AND VALUES

DMX CHANNEL MODE								DMX VALUES	FUNCTION
6CH	7CH	11CH	13CH	36CH	72CH	75CH	79CH		
									<i>Color Macros (continued)</i>
								064 - 067	Color Macro 16
								068 - 071	Color Macro 17
								072 - 075	Color Macro 18
								076 - 079	Color Macro 19
								080 - 083	Color Macro 20
								084 - 087	Color Macro 21
								088 - 091	Color Macro 22
								092 - 095	Color Macro 23
								096 - 099	Color Macro 24
								100 - 103	Color Macro 25
								104 - 107	Color Macro 26
								108 - 111	Color Macro 27
								112 - 115	Color Macro 28
								116 - 119	Color Macro 29
								120 - 123	Color Macro 30
								124 - 127	Color Macro 31
			9					128 - 131	Color Macro 32
							75	132 - 135	Color Macro 33
								136 - 139	Color Macro 34
								140 - 143	Color Macro 35
								144 - 147	Color Macro 36
								148 - 151	Color Macro 37
								152 - 155	Color Macro 38
								156 - 159	Color Macro 39
								160 - 163	Color Macro 40
								164 - 167	Color Macro 41
								168 - 171	Color Macro 42
								172 - 175	Color Macro 43
								176 - 179	Color Macro 44
								180 - 183	Color Macro 45
								184 - 187	Color Macro 46
								188 - 191	Color Macro 47
								192 - 195	Color Macro 48
								196 - 199	Color Macro 49
								200 - 203	Color Macro 50

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DMX CHANNEL FUNCTIONS AND VALUES

DMX CHANNEL MODE								DMX VALUES	FUNCTION
6CH	7CH	11CH	13CH	36CH	72CH	75CH	79CH		
			9				75		Color Macros (continued)
								204 - 207	Color Macro 51
								208 - 211	Color Macro 52
								212 - 215	Color Macro 53
								216 - 219	Color Macro 54
								220 - 223	Color Macro 55
								224 - 227	Color Macro 56
								228 - 231	Color Macro 57
								232 - 235	Color Macro 58
								236 - 239	Color Macro 59
								240 - 243	Color Macro 60
								244 - 247	Color Macro 61
								248 - 251	Color Macro 62
								252 - 255	Color Macro 63
			9	10			76		Program Macros
								000 - 010	No Function
								011 - 026	Program 01 - Dream
								027 - 043	Program 02 - Meteor
								044 - 060	Program 03 - Fade
								061 - 076	Program 04 - Change
								077 - 093	Program 05 - Flow 1
								094 - 110	Program 06 - Flow 2
								111 - 126	Program 07 - Flow 3
								127 - 143	Program 08 - Flow 4
								144 - 160	Program 09 - Flow 5
								161 - 176	Program 10 - Flow 6
								177 - 193	Program 11 - Flow 7
								194 - 210	Program 12 - Flow 8
								211 - 226	Program 13 - Flow 9
								227 - 255	No Function
		10	11				77	000 - 255	Program Speed , slow to fast
		11	12				78	000 - 255	Program Fade , slow to fast

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DMX CHANNEL FUNCTIONS AND VALUES

DMX CHANNEL MODE								DMX VALUES	FUNCTIONS
6CH	7CH	11CH	13CH	36CH	72CH	75CH	79CH		
			13			75	79		<i>Dimming Curve Modes</i>
								000 - 020	Standard
								021 - 040	Stage
								041 - 060	TV
								061 - 080	Architectural
								081 - 100	Theatre
								101 - 255	Default to Unit Setting

Note: Control of the LEDs depends on the Pixel Flip setting.

CLEANING AND MAINTENANCE



CAUTION: DISCONNECT POWER BEFORE PERFORMING ANY CLEANING OR MAINTENANCE PROCEDURES!

CLEANING

Frequent cleaning is recommended to ensure proper function, optimized light output, and an extended life. The frequency of cleaning depends on the environment in which the fixture operates: damp, smoky, or particularly dirty environments can cause greater accumulation of dirt on the fixture's optics.

- Clean the external lens surface periodically with a soft cloth to avoid dirt/debris accumulation.
- Never use alcohol, solvents, or ammonia based cleaners.

MAINTENANCE

Regular inspections are recommended to ensure proper function and extended life. There are no user serviceable parts inside this fixture; please refer all other service issues to an authorized 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.

TECHNICAL SPECIFICATIONS

SOURCE

(12) 12W 6-in-1 RGBAW+UV LEDs

100,000 Hour Average LED Life*

*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.

PHOTOMETRIC DATA

8,500 LUX 790 FC @3.3' (1m) (30° Full ON)

3,660 LUX 340 FC @6.6' (2m) (30° Full ON)

2,040 LUX 190 FC @9.8' (3m) (30° Full ON)

1,290 LUX 120 FC @13.1' (4m) (30° Full ON)

878 LUX 82 FC @16.4' (5m) (30° Full ON)

EFFECTS

Strobe and Chase Effects

Individual LED Control

Variable and Selectable Dimming Curves

CONTROL / CONNECTIONS

8 DMX Channel Modes (6 / 7 / 11 / 13 / 36 / 72 / 75 / 79)

4 Button Control Panel and LCD Menu Display

ArtNet + KlingNET Protocol Support

RDM (Remote Device Management)

(2) ethernet Ports

3pin and 5pin DMX In/Out

Locking Power Cable In/Out

With Wired Digital Communication Network

SIZE / WEIGHT

Length: 35.4" (900mm)

Width: 8.1" (206.4mm) *with included glare shield

Vertical Height: 6.1" (155mm)

Weight: 16.0 lbs. (7.3 kg)

ELECTRICAL / THERMAL

AC 110-240V - 50/60Hz

145W Max Power Consumption

Power Linking: 6pcs @110V / 15pcs @240V

5°F to 113°F (-15°C to 45°C)

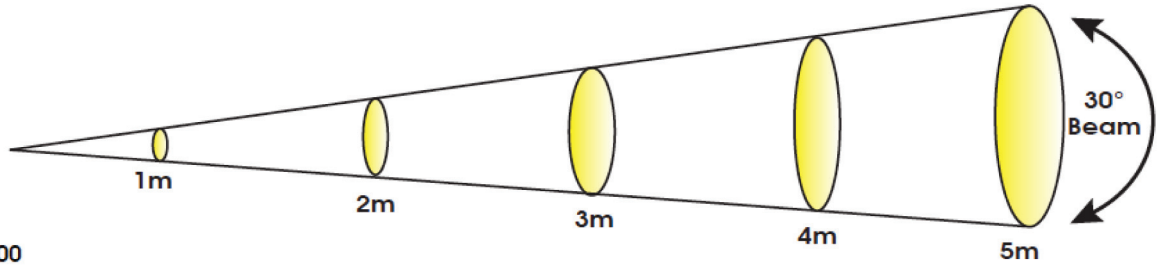
UV Wavelength: 395nm

APPROVALS / RATINGS

CE | cETLus | IP20

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

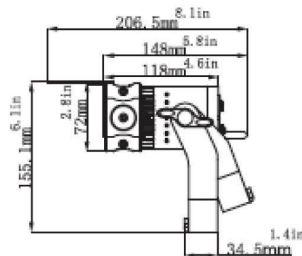
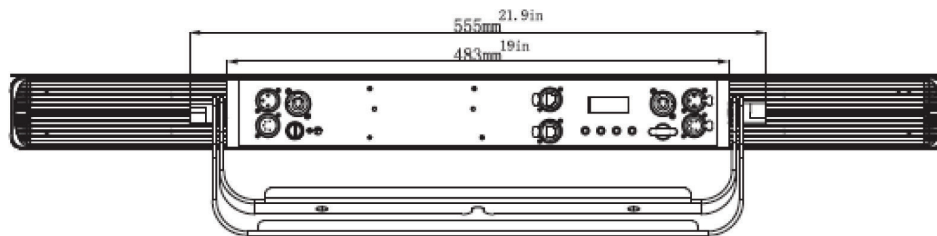
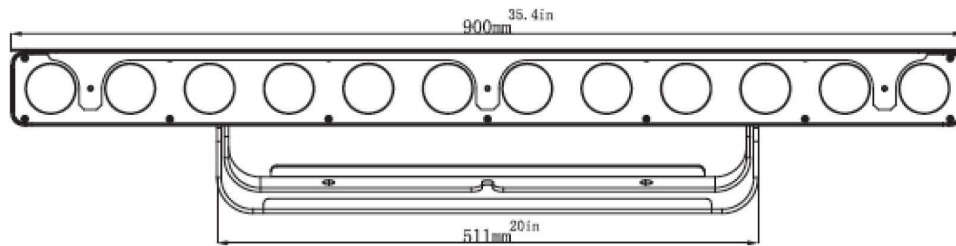
PHOTOMETRIC DATA



SIXBAR 1000

Distance	m	ft	m	ft	m	ft	m	ft	m	ft
30° Beam Diameter	1	3.3	2	6.6	3	9.8	4	13.1	5	16.4
	0.52	1.7	1.05	3.4	1.58	5.2	2.13	7.0	2.66	8.7
Photometrics	lux	fc	lux	fc	lux	fc	lux	fc	lux	fc
RED LEDs	1,080	100	490	46	274	25	169	16	114	11
GREEN LEDs	2,140	199	1,030	96	553	51	337	31	228	21
BLUE LEDs	2,430	226	1,179	110	652	61	399	37	269	25
WHITE LEDs	2,700	251	1,240	115	683	63	406	38	280	26
AMBER LEDs	1,065	99	490	46	265	25	161	15	116	11
UV LEDs	590	55	255	24	136	13	85	8	56	5
FULL ON	8,500	790	3,660	340	2,040	190	1,290	120	878	82

DIMENSIONAL DRAWINGS



OPTIONAL ACCESSORIES

ORDER CODE	ITEM
TRIGGER CLAMP	Heavy Duty Wrap Around Hook Style Clamp
EWDMXSYSTEM	Wireless DMX System (1 Transmitter, 1 Receiver)
EWDMXT	Wireless DMX Transmitter
EWDMXR	Wireless DMX Receiver
PLC3	3-ft (1m) Power Cable
AC3PDMX5PRO	5-ft (1.5m) 3-pin DMX Cable
AC5PDMX5PRO	5-ft (1.5m) 5-pin DMX Cable
CAT005	5-ft (1.5m) CAT6 Ethercon Cable
	Additional Cable Lengths Available

