DESIGN WASH LED ZOOM™

user manual

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D O C U M E N T   V E R S I O N

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

Date	Document Version	Software Version	DMX Channel Modes	Notes
2/2015	1	≥1.2.0	14	Updated manual format.

C O N T E N T S

GENERAL INFORMATION

INTRODUCTION

Congratulations, you have just purchased one of the most innovative and reliable lighting fixtures on the market today! The **DESIGN WASH LED ZOOM™** 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 **DESIGN WASH LED ZOOM™** by Elation Professional®. Every **DESIGN WASH LED ZOOM™** 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

- (1) 3-Pin XLR Cable
- (1) Omega Bracket (Holder)
- (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**
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 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 at 323-582-3322.

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.**

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.

SAFETY INSTRUCTIONS

The **DESIGN WASH LED ZOOM™** 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.

KEEP THIS FIXTURE AWAY FROM RAIN AND MOISTURE!

UNPLUG POWER BEFORE SERVICING FIXTURE

**NEVER TOUCH FIXTURE DURING OPERATION AS IT MAY BE HOT**

NEVER LOOK DIRECTLY INTO THE LIGHT SOURCE
SENSITIVE PERSONS MAY SUFFER AN EPILETIC SHOCK

- 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, holders, clamps, safety cables) 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

- **N E V E R   O P E N   T H I S   F I X T U R E   W H I L E   I N   U S E !**

- 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.
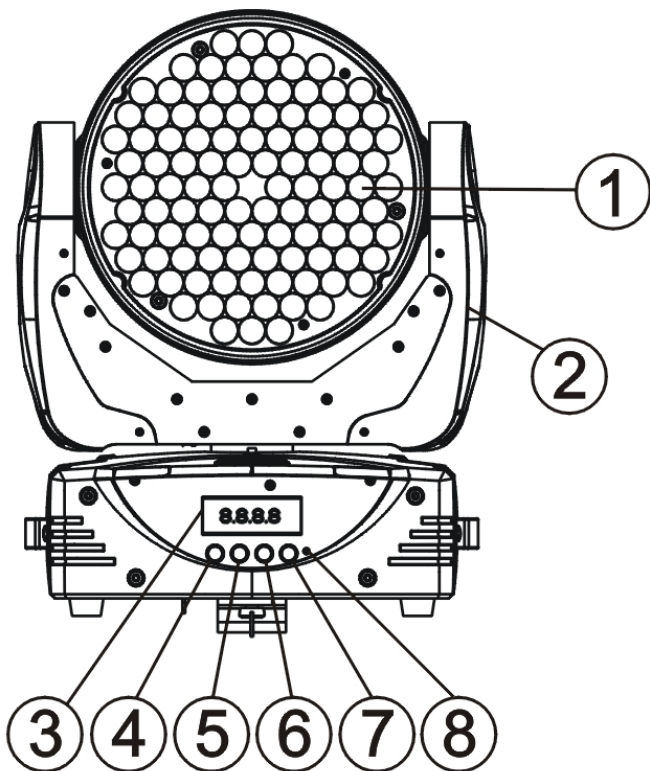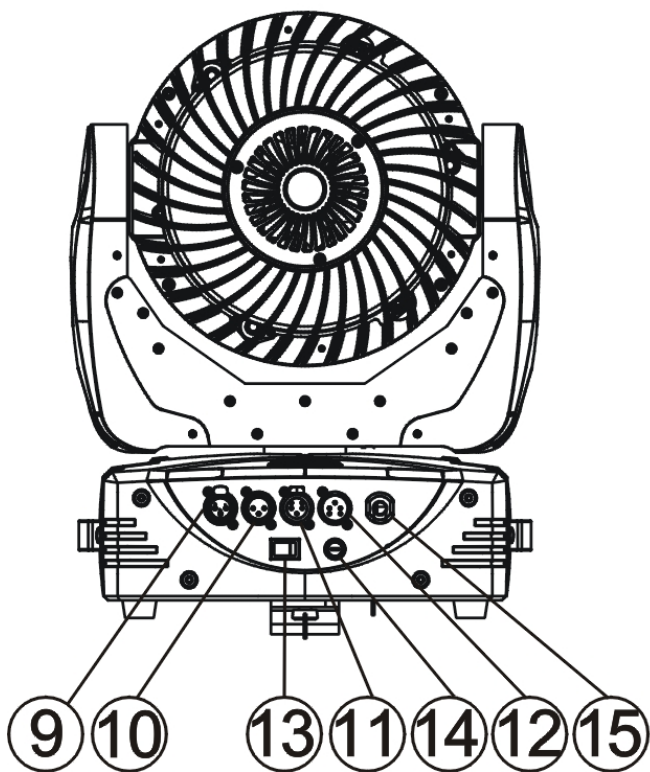
FIXTURE INSTALLATION

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

⚠	**ELECTRICAL CONNECTIONS** A qualified electrician should be used for all electrical connections and/or installations.

☞ 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 **5°F to 113°F (-15°C 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. **(210 lbs / 95 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.

MOUNTING

The **DESIGN WASH LED ZOOM™** is fully operational in two different mounting positions, hanging upside-down from a ceiling, or set on a flat level surface (see illustration on the next page). Be sure this fixture is kept at least 1.5 feet (0.5m) away from any flammable materials (decoration etc.). Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.

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.

- Be sure the fixture is kept at least 0.5m (1.5 feet) away from any flammable materials (decoration etc.).
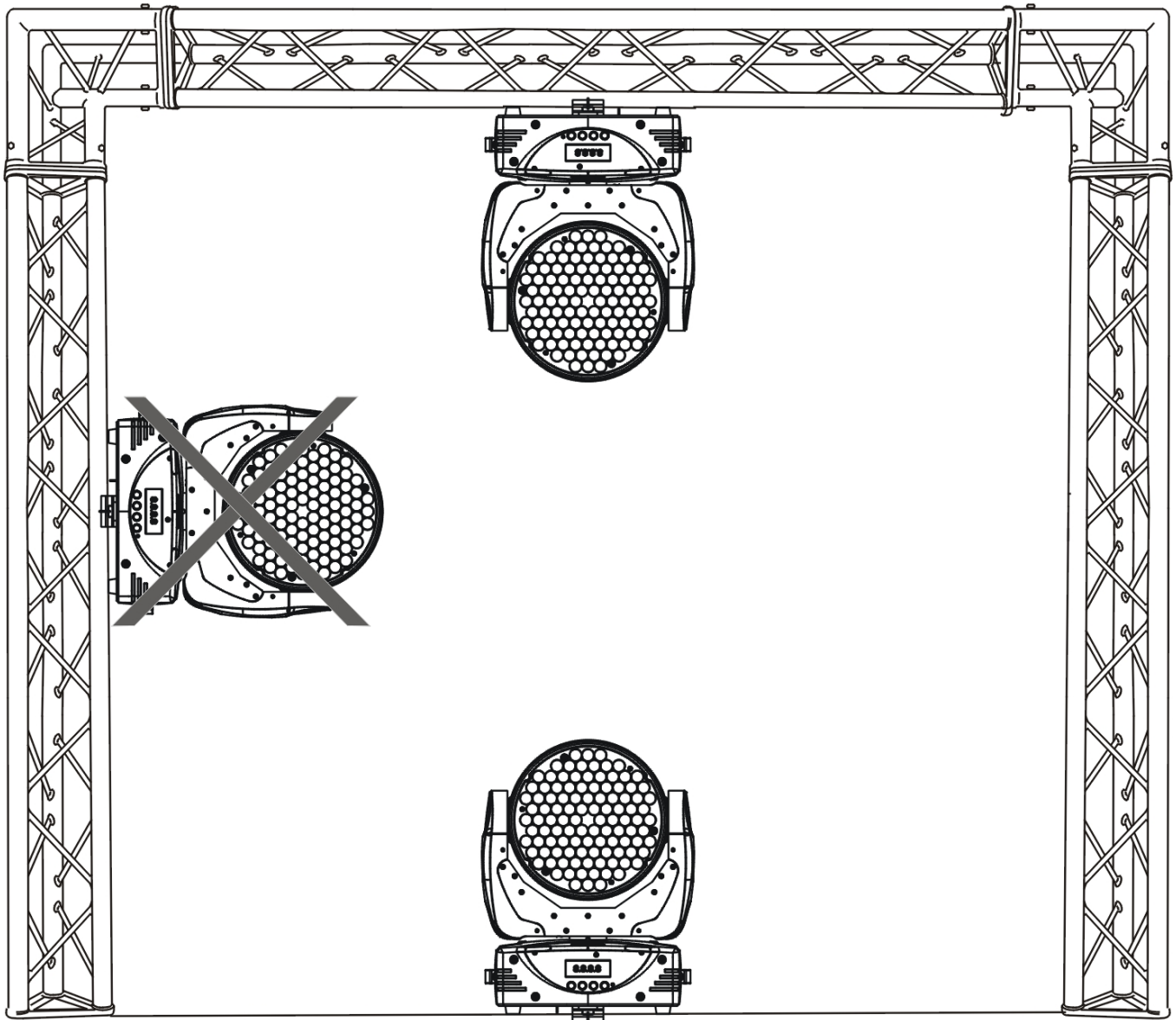
CLAMP MOUNTING

The **DESIGN WASH LED ZOOM**™ provides a unique mounting bracket assembly that integrates the bottom of the base, the included **"Omega Bracket"**, and the safety cable rigging point in one unit (see the illustration below). When mounting this fixture to truss be sure to secure an appropriately rated clamp to the included omega bracket using a M10 screw fitted through the center hole of the **"Omega Bracket"** and attach at least one properly rated safety cable to the integrated safety cable rigging point in the base assembly.

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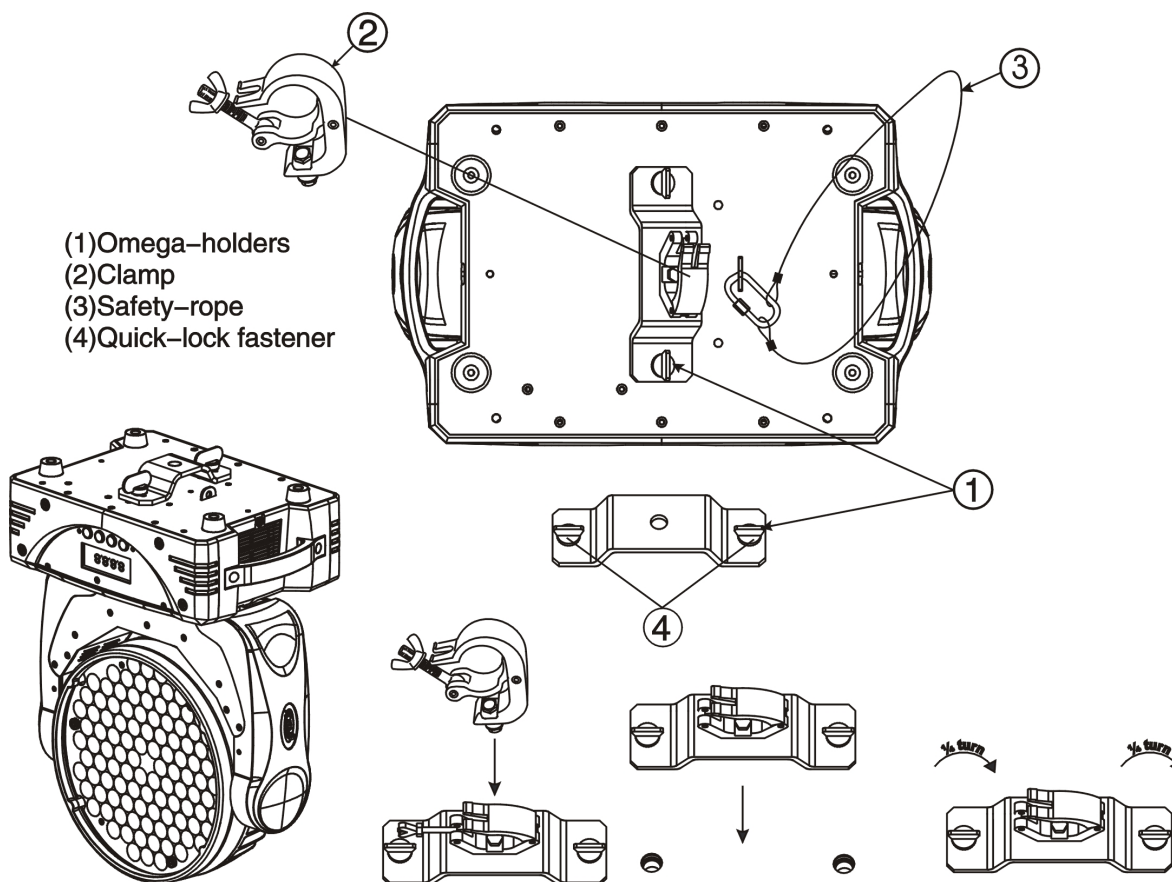
SECURING

- Secure the clamp to the bracket using a M12 screw fitted through the Φ13 center hole.
- Insert the ¼ Turn Twist Locks of the first Omega bracket into the respective holes on the bottom of the device. Tighten the Twist Locks a ¼ turn clockwise.
- Install the second Omega bracket on the top of the device in the same way.
- Pull a safety cable through the holes on the bottom of the base and over the trussing system or a safe installation.

☞ **This is very important to prevent the fixture from dropping if the clamp fails.**

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 **DESIGN WASH LED ZOOM™** 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 3-pin or 5-pin 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 the Elation Opto Branch 4™ or DMX Branch/4™.

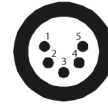| DMX Output	DMX Input		DMX Output	DMX Input	
3-Pin XLR Socket	3-Pin XLR Socket		5-Pin XLR Socket	5-Pin XLR Socket	

DMX Input 3-Pin XLR Socket
1: Ground
2: Data (-)
3: Data (+)

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 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the **DESIGN WASH LED ZOOM™** (Please refer to the diagram below.). 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 the Elation Opto Branch 4™ or DMX Branch/4™.

DMX512 ⇒
DMX-controller

120 Ohms

Address 1   **Address 15**   **Address 29**
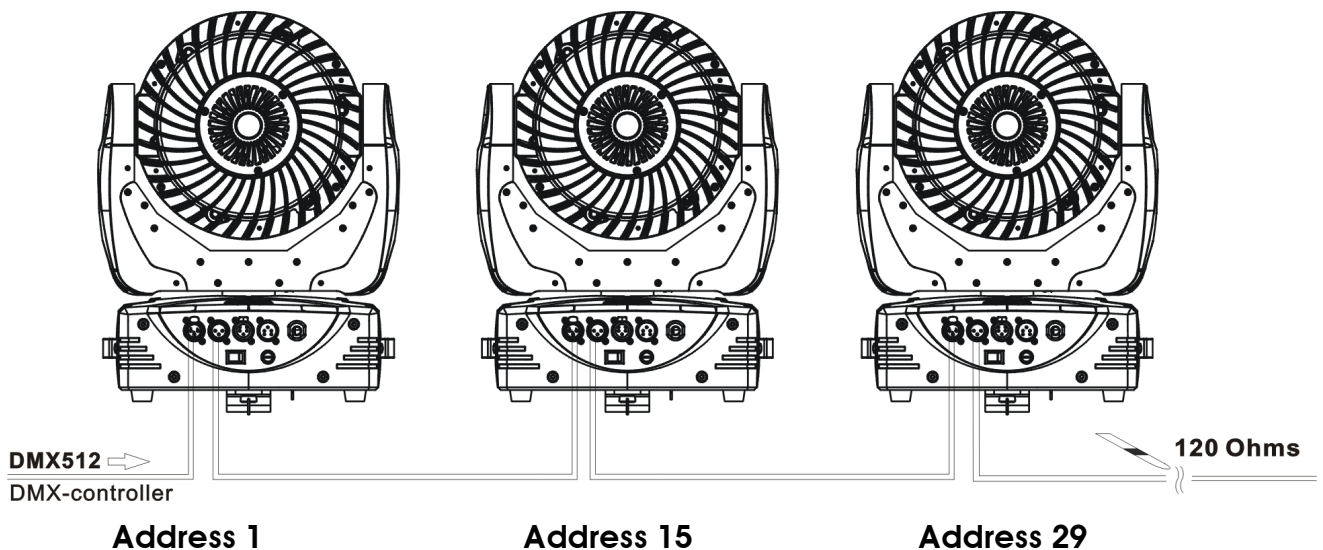
DMX-512 CONNECTION WITH DMX TERMINATOR

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 (Elation part: DMX T PACK) will decrease the possibilities of erratic behavior.*
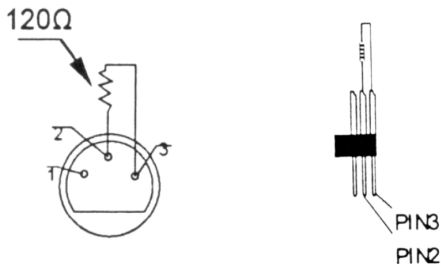
Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal, (Resistance 120 Ohm 1/4 W) between PIN 2 (DMX-) and PIN 3 (DMX +) of the last fixture.

5-Pin XLR DMX CONNECTORS

Some manufactures use 5-pin XLR connectors for DATA transmission in place of 3-pin. 5-pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin 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 **DESIGN WASH LED ZOOM™** which is a 14 Channel fixture, you should set the starting DMX address of the first unit to 1, the second unit to 15 (1 + 14), the third unit to 29 (15 + 14), the fourth unit to 43 (29 + 14) and so on.

Note: During start-up the **DESIGN WASH LED ZOOM™** 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 3-PIN or 5-PIN 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 **DESIGN WASH LED ZOOM™** 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 **DESIGN WASH LED ZOOM™** control panel (see image below) located on back of the fixture offers several features to select form such as setting the DMX address, running pre-programmed macros, changing display options, and resetting the fixture to factory defaults. There are (4) buttons, which are explained below.

[MENU] Press this button to enter the fixture menus and to return/exit to the previous menu. The display will automatically exit the fixture menus in 10 seconds from the last button press.

[UP] [DOWN] Press these buttons to navigate through the different menu functions and access sub-menu selections.

[ENTER] Press this button to select a menu item and press again to confirm your selection.

NOTE: To access the LCD Menu Control Display via the internal battery when the fixture is not powered, press either the **UP** or **DOWN** buttons. The LCD Menu Control Display will shut **OFF** automatically about 10 seconds from the last button press.

DESIGN WASH LED ZOOM™ SYSTEM MENU   *Default Settings Shaded

FUNCTION	Set DMX Address	001 - 499		DMX Address Setting
	Value Display	Auto Program, PAN, PAN-Fine, TILT....		DMX Value Display
	Set To Slave	Slave1, Slave2, Slave3		Slave Setting
	Auto Program	Master / Alone		Auto Program
	Music Control	Master / Alone		Music Control
INFORMATION	Time Information	Current Time	XXXX(Hours)	Power On Running Time
		Total Life Hours	XXXX(Hours)	Fixture Running Time
		Last Run Hours	XXXX(Hours)	Fixture Last Times Clear
		Timer Password	Password=**XXX**	Timer Password *038*
		Clear Last Run	ON/**OFF**	Clear Fixture Last time
	Temperature Info	Head Temperature	XXX C°/F°	Fixture Temperature
	Software Version	Vx.x		Software Version
PERSONALITY	Status Setting	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
		Fine Resolution	**ON**/OFF	Fine Resolution Switch
		Pan Degree	630/**540**	Pan Degree Select 1, 2, 3
		Feedback	**ON**/OFF	Movement Feedback
		Movement Speed	**Speed 1** ~ 4	Select Movement Mode
		Mic Sensitivity	0-99% **70%**	Sensitivity of Microphone
	Service Setting	Service Password	Password=**XXX**	Service Password = *050*
		Fan Voltage	HIGH/**LOW**	Select Fan Voltage
	Fans Control	**Auto Fans Speed** High Fans Speed Low Fans Speed		Select Fans Speed Mode
	Display Setting	Shutoff Time	02~60m **05m**	Display Shut Off Time
	Temperature C/F	Celsius **Fahrenheit**		Temperature Switch Between °C or °F
	Initial Effect	PAN =**XXX**		Initial Effect Position
	Reset Default	ON/**OFF**		Restore Factory Settings
RESET FUNCTION	Reset All			Reset All Settings
	Reset Pan&Tilt			Reset Pan&Tilt Settings

EFFECT ADJUST	Test Channel	Auto Program, PAN, PAN-Fine, TILT, TILT-Fine, Move Speed, Red LED, Green LED, Blue LED, White LED, Strobe, Dimmer, Rainbow, ZOOM		Test Functions
	Manual Control	Auto Program, PAN, PAN-Fine, TILT, TILT-Fine, Move Speed, Red LED, Green LED, Blue LED, White LED, Strobe, Dimmer, Rainbow, ZOOM		Fine Adjustment of Functions (=000 ~ =255)
	Calibrate Values	-Password- PAN TILT ZOOM	Password=XXX (=000 ~ =255) (=000 ~ =255) (=000 ~ =255)	Password = **050** Fine Adjustment of PAN Fine Adjustment of TILT Fine Adjustment of ZOOM
USER MODE SETTING	User Mode	Wash LED ZOOM User Mode A User Mode B User Mode C		Edit Channel Numbers For User Modes
	Edit User Mode A Edit User Mode B Edit User Mode C			Preset User Modes
EDIT PROGRAM	Select Program	Auto Pro Part1 = Program 1 ~ 10 **Program 1** Auto Pro Part2 = Program 1 ~ 10 **Program 2** Auto Pro Part3 = Program 1 ~ 10 **Program 3**		Select Auto Programs To Be Run
	Edit Program	Program 1 ~ Program 10	Program Test, Step 01=SCxxx Step 64=SCxxx	Testing Program Program In Loop Save And Exit
	Edit Scenes	Edit Scene 001 ~ Edit Scene 250	Auto Program, PAN, PAN-Fine, TILT....	Save And Automatically Return Manual Scenes Edit
	Record Controller	XX~XX		Automatic Scenes Recorder

FUNCTION - Set DMX Address

Adjust the desired DMX address via the Control Panel.

1. Press **MENU** to access the main menu and press **ENTER**.
2. Press **UP**/**DOWN** until **Set DMX Address** is displayed and press **ENTER**.
3. Current DMX address is displayed **(=001 ~ =499),** press **UP**/**DOWN** to select desired DMX address **(=001 ~ =499),** then press **ENTER** to confirm selection and exit menu.

FUNCTION - Value Display

Display the DMX 512 value of each channel.

1. Press **MENU** to access the main menu and press **ENTER**.
2. Press **UP**/**DOWN** until **Value Display** is displayed and press **ENTER**.
3. Press **UP**/**DOWN** to select desired value **(Auto Program, PAN, PAN-Fine, TILT, TILT-Fine, Move Speed, Red LED, Green LED, Blue LED, White LED, Strobe, Dimmer, Rainbow, ZOOM, All Channel),** then press **ENTER** to confirm selection and exit menu.

FUNCTION - Set To Slave

Define the fixture as a slave.

1. Press **MENU** to access the main menu and press **ENTER**.
2. Press **UP**/**DOWN** until **Set To Slave** is displayed and press **ENTER**.
3. Press **UP**/**DOWN** to select desired mode **(=Slave1, =Slave2, =Slave3),** then press **ENTER** to confirm selection and exit menu.

FUNCTION - Auto Program

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

1. Press **MENU** to access the main menu and press **ENTER**.
2. Press **UP**/**DOWN** until **Auto Program** is displayed and press **ENTER**.
3. Press **UP**/**DOWN** to select desired mode **(=Master, =Alone),** then press **ENTER** to confirm selection and exit menu.

FUNCTION – <u>Music Control</u>

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

1. Press **MENU** to access the main menu and press **ENTER**.

2. Press **UP/DOWN** until **Music Control** is displayed and press **ENTER**.

3. Press **UP/DOWN** to select desired mode **(=Master, =Alone),** then press **ENTER** to confirm selection and exit menu.

INFORMATION - Time Information - <u>Current Time</u>

Display the running time of the fixture from last power ON.

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

1. Press **MENU** to access main menu, press **UP/DOWN** until **Information** is displayed and press **ENTER**.

2. Press **UP/DOWN** until **Time Information** is displayed and press **ENTER**.

3. Press **UP/DOWN** until **Current Time** is displayed, and press **ENTER** again and **XXXh** (Hours) is displayed, and press **MENU** to return to previous menu.

INFORMATION - Time Information - <u>Total Life Hours</u>

Display the total running time of the fixture from initial power ON.

1. Press **MENU** to access main menu, press **UP/DOWN** until **Information** is displayed and press **ENTER**.

2. Press **UP/DOWN** until **Time Information** is displayed and press **ENTER**.

3. Press **UP/DOWN** until **Total Life Hours** is displayed, press **ENTER** again and **XXXh** (Hours) is displayed, and press **MENU** to return to the previous menu.

INFORMATION - Time Information - <u>Last Run Hours</u>

Display the running time of the fixture from its previous cycle.

1. Press **MENU** to access main menu, press **UP/DOWN** until **Information** is displayed and press **ENTER**.

2. Press **UP/DOWN** until **Time Information** is displayed and press **ENTER**.

3. Press **UP/DOWN** until **Last Run Hours** is displayed, press **ENTER** and **XXXh** (Hours) is displayed, and press **MENU** to return to the previous menu.

INFORMATION - Time Information - Timer Password

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

1. Press **MENU** to access main menu, press **UP**/**DOWN** until **Information** is displayed and press **ENTER**.
2. Press **UP**/**DOWN** until **Time Information** is displayed and press **ENTER**.
3. Press **UP**/**DOWN** until **Timer Password** is displayed and press **ENTER**.
4. Press **UP**/**DOWN** to select 3-digit password and press **ENTER** to confirm selection, and press **MENU** to return to the previous menu.

INFORMATION - Time Information - Clear Last Run

Clear the last run time of the fixture, default is **OFF**. A correct password must be entered in the **Timer Password** menu in order to clear last run time.

1. Press **MENU** to access main menu, press **UP**/**DOWN** until **Information** is displayed and press **ENTER**.
2. Press **UP**/**DOWN** until **Time Information** is displayed and press **ENTER**.
3. Press **UP**/**DOWN** until **Clear Last Run** is displayed and press **ENTER**.
4. Press **UP**/**DOWN** to select desired mode **(=ON, =OFF)** and press **ENTER** to confirm selection, and press **MENU** to return to the previous menu.

INFORMATION - Temperature Info - Head Temperature

Display the temperature of the fixture, default is **Fahrenheit**.

1. Press **MENU** to access main menu, press **UP**/**DOWN** until **Information** is displayed and press **ENTER**.
2. Press **UP**/**DOWN** until **Temperature Info** is displayed and press **ENTER**, and **Head Temperature** is displayed.
3. Press **ENTER** and **=XXXF** (degrees) is displayed.
4. Press **MENU** to return to the previous menu.

INFORMATION - Software Version

Display the software version of the fixture.

1. Press **MENU** to access main menu, press **UP**/**DOWN** until **Information** is displayed and press **ENTER**.
2. Press **UP**/**DOWN** until **Software Version** is displayed and press **ENTER**, and the display will show **= VX.X** (software version #).
3. Press **MENU** to return to the previous menu.

PERSONALITY - Status Settings - <u>Address Via DMX</u>

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 - <u>No DMX Status</u>

Fixture runs in Auto Run if NO DMX signal is detected. Options include

(Hold/Close Shutter/Music Control/Auto Program), default is **Hold**.

1. Press **MENU** to access the main menu, press **UP/DOWN** until **Personality** is displayed and press **ENTER**.

2. Press **UP/DOWN** until **Status Settings** is displayed and press **ENTER**.

3. Press **UP/DOWN** until **No DMX Status** is displayed and press **ENTER**.

4. Press **UP/DOWN** to select desired mode **(=Hold, =Close Shutter, =Music Control, =Auto Program)** and press **ENTER** to confirm selection, and press **MENU** to return to the previous menu.

PERSONALITY - Status Settings - <u>Pan Reverse</u>

Reverse the PAN movement, default is **OFF**.

1. Press **MENU** to access the main menu, press **UP/DOWN** until **Personality** is displayed and press **ENTER**.

2. Press **UP/DOWN** until **Status Settings** is displayed and press **ENTER**.

3. Press **UP/DOWN** until **Pan Reverse** is displayed and press **ENTER**.

4. Press **UP/DOWN** to select desired mode **(=ON, =OFF)** and press **ENTER** to confirm selection, and press **MENU** to return to the previous menu.

PERSONALITY - Status Settings - <u>Tilt Reverse</u>

Reverse the TILT movement, default is **OFF**.

1. Press **MENU** to access the main menu, press **UP**/**DOWN** until **Personality** is displayed and press **ENTER**.
2. Press **UP**/**DOWN** until **Status Settings** is displayed and press **ENTER**.
3. Press **UP**/**DOWN** until **Tilt Reverse** is displayed and press **ENTER**.
4. Press **UP**/**DOWN** to select desired mode **(=ON, =OFF)** and press **ENTER** to confirm selection, and press **MENU** to return to the previous menu.

PERSONALITY - Status Settings – <u>Fine Resolution</u>

Select desired DMX channel operation from **8bit** (12 available DMX channels / NO PAN/TILT Fine Control Channels), or **16bit** (14 available DMX channels + PAN/TILT Fine Control Channels).

1. Press **MENU** to access the main menu, press **UP**/**DOWN** until **Personality** is displayed and press **ENTER**.
2. Press **UP**/**DOWN** until **Status Settings** is displayed and press **ENTER**.
3. Press **UP**/**DOWN** until **Fine Resolution** is displayed and press **ENTER**.
4. Press **UP**/**DOWN** to select desired mode **(=ON, =OFF)** and press **ENTER** to confirm selection, and press **MENU** to return to the previous menu.

PERSONALITY - Status Settings – <u>Pan Degree</u>

Select desired maximum degree of PAN movement **(540° or 630°)**, default is **540°**.

1. Press **MENU** to access the main menu, press **UP**/**DOWN** until **Personality** is displayed and press **ENTER**.
2. Press **UP**/**DOWN** until **Status Settings** is displayed and press **ENTER**.
3. Press **UP**/**DOWN** until **Pan Degree** is displayed and press **ENTER**.
4. Press **UP**/**DOWN** to select desired mode **(=540, =630)** and press **ENTER** to confirm selection, and press **MENU** to return to the previous menu.

PERSONALITY - Status Settings - Feedback

Select desired Feedback setting which allows for automatic **PAN** and **TILT** movement correction in the event either one, is disrupted during normal operation, default is **ON**.

1. Press **MENU** to access the main menu, press **UP**/**DOWN** until **Personality** is displayed and press **ENTER**.
2. Press **UP**/**DOWN** until **Status Settings** is displayed and press **ENTER**.
3. Press **UP**/**DOWN** until **Feedback** is displayed and press **ENTER**.
4. Press **UP**/**DOWN** to select desired mode **(=ON, =OFF)** and press **ENTER** to confirm selection, and press **MENU** to return to the previous menu.

PERSONALITY - Status Settings – Movement Speed

Select desired Movement Speed, default is **Speed 1.**

Speed 1 = (default) Slower than original Design Wash LED Pro for smoother, more precise movements.

Speed 2 = PAN and TILT speeds identical to original Design Wash LED Pro.

Speed 3 = Increased PAN speed, 0.5 seconds faster then original Design Wash LED Pro. TILT speed is the same.

1. Press **MENU** to access the main menu, press **UP**/**DOWN** until **Personality** is displayed and press **ENTER**.
2. Press **UP**/**DOWN** until **Status Settings** is displayed and press **ENTER**.
3. Press **UP**/**DOWN** until **Movement Speed** is displayed and press **ENTER**.
4. Press **UP**/**DOWN** to select desired mode **(=Speed 1, =Speed 2, =Speed 3, =Speed 4)** and press **ENTER** to confirm selection, and press **MENU** to return to the previous menu.

PERSONALITY - Status Settings – Mic Sensitivity

Select desired Microphone Sensitivity from 0% to 99%, default is **70%**.

1. Press **MENU** to access the main menu, press **UP**/**DOWN** until **Personality** is displayed and press **ENTER**.
2. Press **UP**/**DOWN** until **Status Settings** is displayed and press **ENTER**.
3. Press **UP**/**DOWN** until **Mic Sensitivity** is displayed and press **ENTER**.
4. Press **UP**/**DOWN** to select desired mode **(=00% ~ =99%)** and press **ENTER** to confirm selection, and press **MENU** to return to the previous menu.

PERSONALITY - Service Setting - <u>Password</u>

The Password is **(=050)**.

1. Press **MENU** to access the main menu, press **UP**/**DOWN** until **Personality** is displayed and press **ENTER**.

2. Press **UP**/**DOWN** until **Service Setting** is displayed and press **ENTER**.

3. Press **UP**/**DOWN** until **Service Password** is displayed and press **ENTER**.

4. Press **UP**/**DOWN** to select 3-digit password and press **ENTER** to confirm selection, and press **MENU** to return to the previous menu.

PERSONALITY - Service Setting - <u>Fan Voltage</u>

Select desired Fan Voltage setting, **Low** for normal operation or **High** for extreme environmental / operation temperatures default is **Low Voltage**.

☞ **Using fans in High mode will decrease the life of the fan over time.**

1. Enter the Service Password by following the steps in the above section.

2. Press **MENU** to access the main menu, press **UP**/**DOWN** until **Personality** is displayed and press **ENTER**.

3. Press **UP**/**DOWN** until **Service Setting** is displayed and press **ENTER**.

4. Press **UP**/**DOWN** until **Fan Voltage** is displayed and press **ENTER**.

5. Press **UP**/**DOWN** to select desired mode **(=Low Voltage, =High Voltage)** and press **ENTER** to confirm selection, and press **MENU** to return to previous menu.

PERSONALITY – <u>Fans Control</u>

Select desired Fans Control setting, default is **Auto Speed**.

Auto Speed = (default) Fans automatically switch between

High Speed = PAN and TILT speeds identical to original Design Wash LED Pro.

Low Speed = Increased PAN speed, 0.5 seconds faster then original Design Wash

1. Press **MENU** to access the main menu, press **UP**/**DOWN** until **Personality** is displayed and press **ENTER**.

2. Press **UP**/**DOWN** until **Fans Control** is displayed and press **ENTER**.

3. Press **UP**/**DOWN** to select desired mode **(=Auto Speed, =Low Speed, =High Speed)** and press **ENTER** to confirm selection, and press **MENU** to return to the previous menu.

PERSONALITY - Display Setting – <u>Shutoff Time</u>

Shut off the Control Panel display after 02 to 59 minutes, default is **05** minutes.

1. Press **MENU** to access the main menu, press **UP**/**DOWN** until **Personality** is displayed and press **ENTER**.

2. Press **UP**/**DOWN** until **Display Setting** is displayed and press **ENTER**.

3. Press **ENTER** and **Shutoff Time=XX** is displayed.

4. Press **UP**/**DOWN** to select desired time **(=OFF, =02 ~ =59)** and press **ENTER** to confirm selection and press **MENU** to return to the previous menu.

PERSONALITY – <u>Temperature C/F</u>

Display the temperature in Celsius or Fahrenheit, default is **Fahrenheit**.

1. Press **MENU** to access the main menu, press **UP**/**DOWN** until **Personality** is displayed and press **ENTER**.

2. Press **UP**/**DOWN** until **Temperature C/F** is displayed and press **ENTER**.

3. Press **UP**/**DOWN** to select desired mode **(=Celsius, =Fahrenheit)** and press **ENTER** to confirm selection and press **MENU** to return to the previous menu.

PERSONALITY – <u>Initial Effect</u>

Display the initial effect position for DMX functions.

1. Press **MENU** to access the main menu, press **UP**/**DOWN** until **Personality** is displayed and press **ENTER**.

2. Press **UP**/**DOWN** until **Initial Effect** is displayed and press **ENTER**.

3. Tap **UP**/**DOWN** to select desired function **(Auto Program, PAN, PAN-Fine, TILT, TILT-Fine, Move Speed, Red LED, Green LED, Blue LED, White LED, Strobe, Dimmer, Rainbow, ZOOM)** and press **ENTER** to confirm selection.

4. Press **UP**/**DOWN** to select desired position **(=000 ~ =255)**, and press **ENTER** to confirm selection and press **MENU** to return to the previous menu.

PERSONALITY – <u>Reset Default</u>

Restore factory settings function **(ON** or **OFF)**, the default is **OFF**.

1. Press **MENU** to access the main menu, press **UP**/**DOWN** until **Personality** is displayed and press **ENTER**.

2. Press **UP**/**DOWN** until **Reset Default** is displayed and press **ENTER**.

3. Press **UP**/**DOWN** to select desired mode **(=ON, =OFF)** and press **ENTER** to confirm selection.

RESET FUNCTION

Reset fixture function **(Reset All or Reset Pan&Tilt)**.

1. Press **MENU** to access the main menu, press **UP**/**DOWN** until **Reset Function** is displayed and press **ENTER**.

2. Press **UP**/**DOWN** to select desired mode **(=Reset All, =Reset Pan&Tilt)** and press **ENTER** to confirm selection.

EFFECT ADJUST – Test Channel

Test each DMX function.

1. Press **MENU** to access the main menu, press **UP**/**DOWN** until **Effect Adjust** is displayed and press **ENTER**.

2. Press **UP**/**DOWN** until **Test Channel** is displayed and press **ENTER**.

3. Press **UP**/**DOWN** to select desired function **(Auto Program, PAN, PAN-Fine, TILT, TILT-Fine, Move Speed, Red LED, Green LED, Blue LED, White LED, Strobe, Dimmer, Rainbow, ZOOM)** and press **ENTER** to confirm selection.

EFFECT ADJUST – Manual Control

Manual control of each DMX function.

1. Press **MENU** to access the main menu, press **UP**/**DOWN** until **Effect Adjust** is displayed and press **ENTER**.

2. Press **UP**/**DOWN** until **Manual Control** is displayed and press **ENTER**.

3. Press **UP**/**DOWN** to select desired function **(Auto Program, PAN, PAN-Fine, TILT, TILT-Fine, Move Speed, Red LED, Green LED, Blue LED, White LED, Strobe, Dimmer, Rainbow, ZOOM)** and press **ENTER** to confirm selection.

4. Press **UP**/**DOWN** to select desired value **(=000 ~ =255)** and press **ENTER** to confirm selection and press **MENU** to return to the previous menu.

EFFECT ADJUST – <u>Calibrate Values</u>

Fine adjustments to PAN, TILT, and ZOOM. A correct password must be entered in order to make adjustments. The Password is **(=050)**. This function should only be performed by a technician familiar with the operations of this fixture. This function allows small adjustments to be made to the motor alignments to compensate for wear.

☞ **Improper use of this function can result in undesired operation!**
Please contact **Elation Customer Support** for further instructions.

1. Press **MENU** to access the main menu, press **UP**/**DOWN** until **Effect Adjust** is displayed and press **ENTER**
2. Press **UP**/**DOWN** until **Calibrate Values** is displayed and press **ENTER**, press **ENTER** again and **--Password--** is displayed, press **UP**/**DOWN** to select 3-digit password, and press **ENTER** to confirm selection.
3. Press **UP**/**DOWN** to select desired value **(PAN, TILT, ZOOM)**, and press **ENTER** to confirm selection, press **UP**/**DOWN** to select desired value **(=000 ~ =255)** and press **ENTER** to confirm selection and press **MENU** to return to the previous menu.

USERS MODE SET
USER MODE - This function allows the DMX channels assignment to be changed from the default value of 13, to either 8bit/11 channels or extended mode at 13 channels. This function also allows the user to 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 USER MODE – This function allows the user to make the actual changes in the user-defined modes that are created in the previous function.

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

SELECT PROGRAM – This function allows the user to select one of ten of the user defined built-in programs. This program is then accessed in "Function Mode" under "Program Run."

EDIT PROGRAM – This function allows the user to edit the built-in programs.

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

REC CONTROLLER - The DESIGN WASH LED ZOOM™ features an integrated DMX recorder. Pre-programmed scenes can be transmitted to the fixture via any DMX compliant controller. This function allows those scenes to be stored in to the fixture's built-in memory and then subsequently used to create the user-defined programs.

DMX CHANNEL FUNCTIONS AND VALUES

CHANNEL	VALUE	FUNCTION
		ELATION© DESIGN WASH LED ZOOM™ DMX Channel Values / Functions (14 DMX Channels)
		Specifications are subject to change without any prior written notice.
1		PAN MOVEMENT [8 Bit]
	0-255	PAN Movement
2		PAN MOVEMENT [16 Bit]
	0-255	Fine Control Of PAN Movement
3		TILT MOVEMENT [8 Bit]
	0-255	TILT Movement
4		TILT MOVEMENT [16 Bit]
	0-255	Fine Control Of TILT Movement
5		SPEED PAN/TILT MOVEMENT
	0-225	Max To Min Speed
	226-235	Blackout By Movement
	236-255	NO Function
6		RED LEDs [39 Total]
	0-255	RED (0-Black - 255-100%)
7		GREEN LEDs [29 Total]
	0-255	GREEN (0-Black - 255-100%)
8		BLUE LEDs [30 Total]
	0-255	BLUE (0-Black - 255-100%)
9		WHITE LEDs [10 Total]
	0-255	WHITE (0-Black - 255-100%)
10		SHUTTER, STROBE
	0-31	Shutter CLOSED (ALL LEDs OFF)
	32-63	Shutter OPEN (ALL LEDs ON)
	64-95	Strobe Effect SLOW to FAST
	96-127	Shutter OPEN (ALL LEDs ON)
	128-159	Pulse Effect In Sequences
	160-191	Shutter OPEN (ALL LEDs ON)
	192-223	Random Strobe Effect SLOW to FAST
	224-255	Shutter OPEN (ALL LEDs ON)
11		DIMMER INTENSITY
	0-255	Intensity 0 to 100%
12		COLOR MACROS
	0-7	NO Function
	8-39	Color Macro 1
	40-71	Color Macro 2
	72-103	Color Macro 3
	104-135	Color Macro 4
	136-167	Color Macro 5
	168-199	Color Macro 6
	200-231	Color Macro 7
	232-255	Color Crossfade SLOW To FAST
13		ZOOM
	0-255	Zoom

CHANNEL	VALUE	FUNCTION
		RESET INTERNAL PROGRAMS
	0-79	Normal
	80-84	ALL Motor Reset
	85-87	SCAN Motor Reset
	88-99	NO Function
	100-119	Internal Program 1 (Scene 1 - 8)
14	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	Sound Control (Scene of Program 1)

ELATION© DESIGN WASH LED ZOOM™
DMX Channel Values / Functions (14 DMX Channels)
Specifications are subject to change without any prior written notice.

ERROR CODES

When the fixture is powered ON, it automatically enters a reset/test program, which brings all the motors to a home position before it is ready. The display may show **"Err channel is XX"** if there are problems with one or more channels. **"XX"** stands for channel 1, 2, 3, 4, 5, 6 and 13, which have testing sensors for positioning. For example, when the display shows **"Err channel is PAN"**, it means there is an error in channel 1. If there are errors on channel 1, channel 3, channel 6 at the same time, you may see the error messages, **"Err channel is PAN", "Err channel is TILT", "Err channel is RED LED"**, flash 2 times, and then the fixture will go through a second reset/test program.

If the error messages remain after performing 2 reset/tests, only the channels that have errors will not work properly, all other channels will work normally. If after the third reset/test program all the errors have not been resolved, the fixture cannot function properly and therefore will place itself in a stand-by mode until repairs are made.

PAN - Error (PAN Yoke Movement Error)
This message will appear after completing the motor reset if the PAN movement is not located in the default position after the reset. This error can happen if the yoke's magnetic-indexing circuit malfunctions (sensor failed or magnet missing) or the stepper-motor or its driving IC on the main PCB is defective or fails.

TILT- Error (TILT Head Movement Error)
This message will appear after completing the motor reset if the TILT movement is not located in the default position after the reset. This error can happen if the head's magnetic-indexing circuit malfunctions (sensor failed or magnet missing) or the stepping-motor or its driving IC on the main PCB is defective or fails.

CLEANING AND MAINTENANCE

> ⚠️ **C A U T I O N**
> **Disconnect power before cleaning or maintenance.**

CLEANING

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

- Clean the external lens surface at least every 20 days with a soft cloth to avoid dirt/debris accumulation.
- Never use alcohol, solvents, or ammonia based cleaners.

MAINTENANCE

Regular inspections are recommended to insure proper function and extended life. There are no user serviceable parts inside this fixture, please refer all other service issues to an authorized Elation service technician. Should you need any spare parts, please order genuine parts from your local Elation dealer.

Please refer to the following points during routine inspections:

- A detailed electric check by an approved electrical engineer every three months, to make sure the circuit contacts are in good condition and prevent overheating.
- Be sure all screws and fasteners are securely tightened at all times. 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
High Output Pro Grade Zoom Wash LED Luminaire
5,500 Total Lumens
6° - 23° Motorized Zoom
RGBW Color Mixing and Color Macros
Flicker Free Operation for Broadcast TV and FILM

SOURCE
(108) 3W Osram™ LEDs
(40) Red, (28) Green, (30) Blue, and (10) White
50,000 Hour Average LED Life

EFFECTS
RGBW Color Mixing and Color Macros
Dimming: 0% - 100%
Strobe: 1-18fps

CONTROL / CONNECTIONS
(14) DMX Channels
(4) Button Control Panel
LCD Menu Display
8 / 16 Bit Resolution Adjustable Movement
3pin and 5pin DMX In/Out

SIZE / WEIGHT
Length: 13.4" (341mm)
Width: 8.7" (220mm)
Vertical Height: 17.5" (445)
Weight: 21.0 lbs. (9.5 kg)

ELECTRICAL / THERMAL
AC 100-240V - 50/60Hz
350W Max Power Consumption
14°F to 113°F (-10°C to 45°C)

APPROVALS / RATINGS
CE |P20 |

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
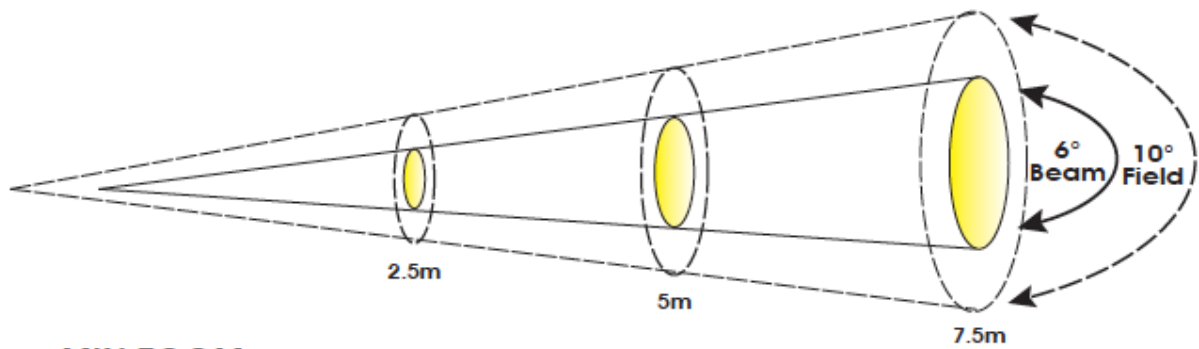
| MIN ZOOM Distance	m 2.5	ft 8.2	m 5	ft 16.4	m 7.5	ft 24.6
6° Beam Diameter	0.28	0.9	0.56	1.8	0.84	2.8
10° Field Diameter	0.44	1.4	0.88	2.9	1.32	4.3
	lux	fc	lux	fc	lux	fc
FULL ON	32,700	3,038	10,150	943	4,310	400
RED LEDs	10,320	959	2,890	268	1,178	109
GREEN LEDs	16,780	1,559	4,643	431	2,024	188
BLUE LEDs	2,341	217	560	52	250	23
WHITE LEDs	9,090	844	2,476	230	1,081	100
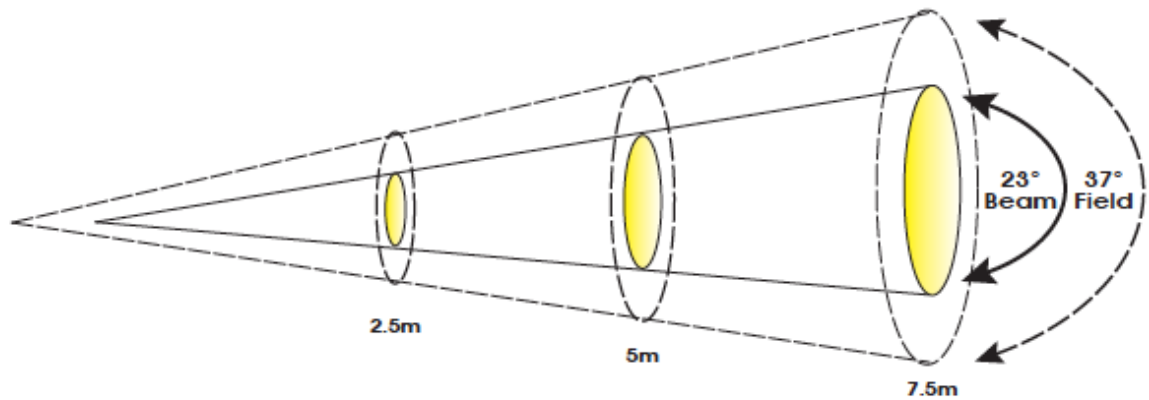
| MAX ZOOM Distance	m 2.5	ft 8.2	m 5	ft 16.4	m 7.5	ft 24.6
6° Beam Diameter	1.00	3.3	2.00	6.6	3.00	9.8
10° Field Diameter	1.68	5.5	3.36	11.0	5.04	16.5
	lux	fc	lux	fc	lux	fc
FULL ON	3,500	325	916	85	445	41
RED LEDs	964	90	260	24	121	11
GREEN LEDs	1,720	160	425	39	213	20
BLUE LEDs	210	20	49	5	26	2
WHITE LEDs	858	80	217	20	106	10

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

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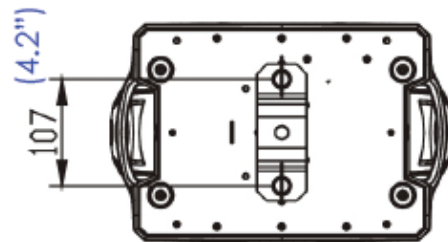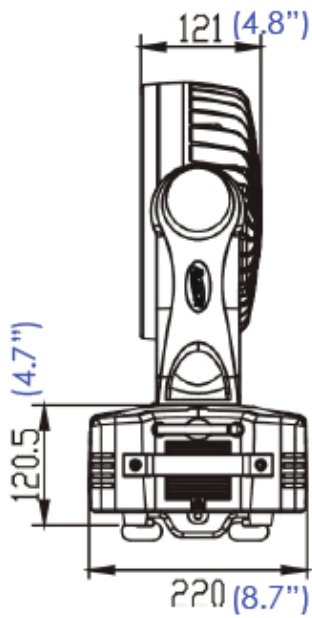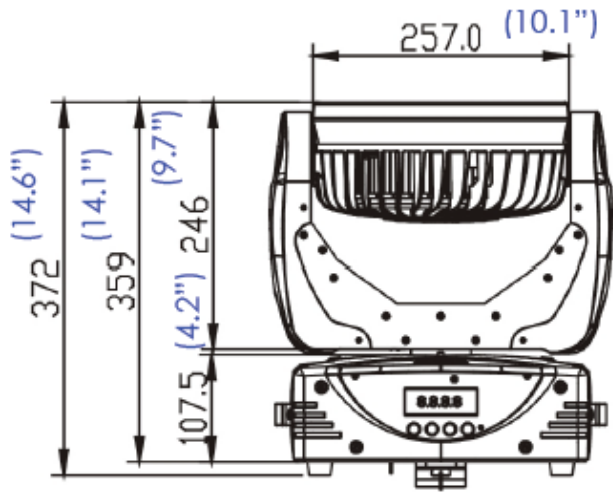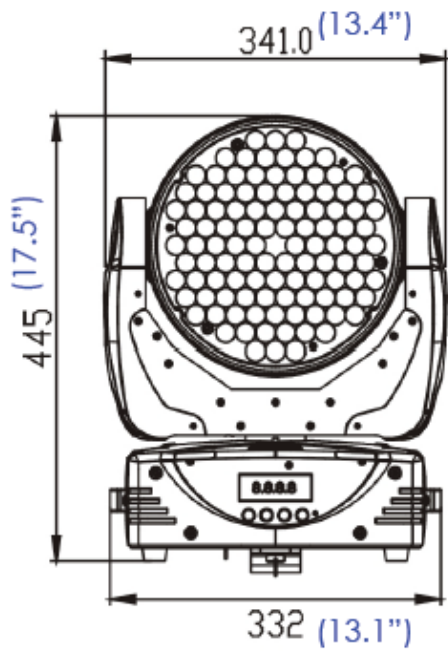
Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

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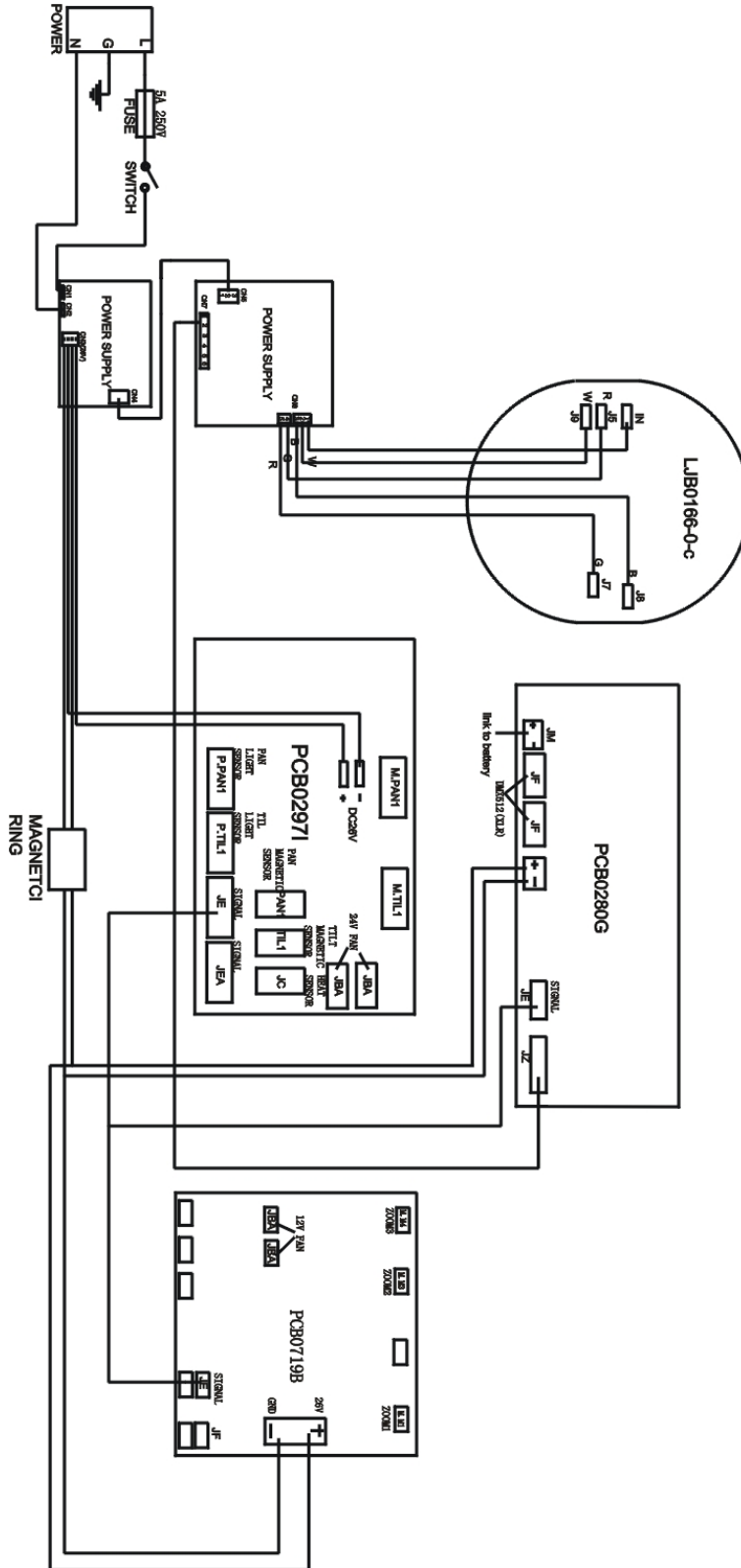
Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

OPTIONAL ACCESSORIES

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