LED Performer Mini Bar

User Manual

ILUMENITE

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1 Read First!

Unpacking Instructions

Immediately upon receiving a product, carefully unpack the carton, check the contents to ensure that all parts are present, and have been received in good condition. Notify the shipper immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

Enclosures

Your box includes the following items.

- (1) LED Performer Mini Bar
- (1) XLR 3-Pin Data Cable
- (1) IEC Power Cable
- (1) IEC Power Cable Link
- Warranty Card
- Users Manual

AC Power

To determine the power requirements for a particular product, see the label affixed to the back plate of the product or refer to the product's specifications chart. A product's listed current rating is its average current draw under normal conditions. All fixtures must be powered directly off a switched circuit and cannot be run off a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel is used solely for a 0% to 100% switch. Before applying power, check that the source voltage matches the product's requirement. Check the product or device carefully to make sure that if a voltage selection switch exists that it is set to the correct line voltage you will use.

Safety Instructions

- Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.
- Always make sure that you are connecting to the proper voltage and that the line voltage you are connecting to is not higher than that stated on decal or rear panel of the fixture.
- This product is intended for both indoor and outdoor use.
- Make sure there are no flammable materials close to the unit while operating.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Always disconnect from power source before servicing or replacing lamp or fuse and be sure to replace with same lamp source.
- Secure fixture to fastening device using a safety chain. Never carry the fixture solely by its head. Use its carrying handles.
- Maximum ambient temperature is Ta: 40°. Do not operate fixture at temperatures higher than this.
- In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
- Don't connect the device to a dimmer pack.
- Make sure power cord is never crimped or damaged.
- Never disconnect power cord by pulling or tugging on the cord.
- Avoid direct eye exposure to lamp while it is on.

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Symbols & Icons

The following symbols and icons may appear throughout this manual to highlight and emphasize safety information or draw additional attention to topic notes and tips.

Safety Symbols

	Safety Warning! Risk of severe personal injury or damage to your equipment.
	Safety Hazard! Risk of lethal or severe electric shock.
	Safety Hazard! Risk of fire.
	Hot Surface! Risk of personal injury.

Document Icons

The following icons may be used through-out this document to aid the reader in finding relevant and most sought out information.

	Alert!
	Announcement
	Contact information
	Notes provided
	Help
	Stop
	Tips
	Tools
	Tutorial
	Take notes!

Warranty Information

Thank you for purchasing a Energy Efficient Enterprises Inc.® Irradiant® Ilumenite® product from an authorized EEE/Irradiant/Ilumenite dealer. We take great pride in the quality, value, and performance of our products and being your factory direct source for illumination products. Please follow the proper operation and maintenance procedures outlined in the products technical documentation. Should you need further technical assistance, e-mail tech@irradianthq.com (Irradiant/Ilumenite Products) tech@led3E.com Energy Efficient Enterprises General and Commercial Lighting Products.

LIMITED WARRANTY USA (48 contiguous States of the USA and DC)

A. Our warranty is limited to manufacturing defects in material and workmanship in products purchased within the 48 contiguous States of the USA and DC. The warranty is valid from the date of purchase by the original purchaser and for a period of:
   a. 24 months for DMX-controllable lighting fixtures and DMX-512 controllers;
   b. 12 months for non-DMX effect fixtures and non-programmable controllers;

c. 6 months for laser diodes.
d. 12 months for all fog and haze machines

B. PLEASE NOTE that defective products reach the address set out below by the last day of the relevant warranty period at the latest. Late claims will not be processed or considered.

C. Exclusions
a. parts prone to normal wear and tear including lamps, fuses, brushes, contact rings, lamp sockets and belts; and
b. damage or failure caused by abuse, misuse, faulty installation and operation, improper or inadequate maintenance, and any repair or guarantee on repairs not carried out by Energy Efficient Enterprises, Inc® are excluded from this warranty.

D. For products purchased outside the 48 contiguous States of the USA and DC: Please consult your local Energy Efficient Enterprises, Inc® distributor as warranty policies vary from country to country.

E. It is the original purchaser's responsibility to provide a dated proof of purchase. The warranty is not transferable.

F. During the relevant warranty period Energy Efficient Enterprises, Inc® will at its sole discretion repair or exchange a defective product under warranty free of charge provided that:
a. the product serial number has not been altered or removed; and
b. damage or failure caused by abuse, misuse, faulty installation and operation, improper or inadequate maintenance, and any repair or guarantee on repairs not carried out by Energy Efficient Enterprises, Inc® are excluded from this warranty.

G. This warranty does not confer any rights other than those expressly set out in this warranty and in particular no credit notes will be issued. This warranty does not cover any claims for consequential loss or damage.

H. All shipping charges must be pre-paid by the sender. Energy Efficient Enterprises, Inc® will, at its own expense, ship back the repaired product to the sender anywhere within the 48 contiguous States of the USA and DC. We will ship best way at our discretion.

I. To secure your warranty coverage, fill out the registration card and send or fax it back to Energy Efficient Enterprises, Inc® with a copy of dated proof of purchase. Products under warranty receive priority for repairs.

Service and Repairs

To secure the best service, please follow these simple steps:

Register your product (fill out and return the warranty card) as soon as possible after purchase. A copy of the Warranty Registration form can be found in this manual.

E-mail tech@irradianthq.com or call 909-606-6818 to request a return authorization number (RMA#). Do not send a product without first securing an RMA#. Do not write the RMA# directly on the box. You must write it on a removable sticker, i.e., a shipping label.

Units must be in the original packaging with all original accessories. Do not write anything on or alter in any way the original box. Any damage from inadequate packing or carrier mishandling is the sole responsibility of the sender. Double-box all returns. Place the original box in a larger box and surround it with suitable packing materials, such as styrofoam peanuts or foam.

All shipping charges must be prepaid by the sender. Energy Efficient Enterprises, Inc.® will, at its own expense, return the repaired product to the sender provided that the return address is within the 48 contiguous States of the USA and DC and that the product is still under warranty (proof of purchase required. Please see warranty details on back page). We will ship best way at our discretion.

PRODUCTS NOT UNDER WARRANTY: Please notify your Energy Efficient Enterprises, Inc® service advisor that your product is no longer under warranty when you request your authorization number. Once the unit has been received, you will be contacted and advised of the cost of carrying out any repair.

Warranty on repairs: All repairs have a 60-day warranty on replaced parts and repair labor valid from the date the repaired unit is delivered to the shipping agent for return to the customer.

Energy Efficient Enterprises, Inc® is not responsible for any loss or damage to additional items or accessories that are sent with returned products. We cannot be held responsible for delays in shipping.

PLEASE NOTE that it is essential that defective products reach the address set out by the last day of the relevant warranty period at the latest. Late claims will not be processed or considered.

This warranty does not confer any rights other than those expressly set out in this warranty and in particular no credit notes will be issued. This warranty does not cover any claims for consequential loss or damage.

2 Product Overview

Product Features

- Pixel level control
- Autoranging Power Supply 90-220V
- Daisy chain power to minimize power distribution
- RGB color mixing using 16 x 3W leds (3-in-1), yields "no" RGB color shadowing
- Built in color change programs and the ability to manually set color without a controller
- DMX512 universal control protocol via 3-pin XLR
- Available in either Gray, Black or White housing

DMX Channel Summary

This product has 3 DMX channel personalities as referenced below.

Mode	DMX Channel	Function
A001	1	Red (0-100%)
	2	Green (0-100%)
	3	Blue (0-0100%)
	4	Dimmer (0-0100%)
	5	Red (0-100%)
	6	Green (0-100%)
	7	Blue (0-0100%)
	8	Dimmer (0-0100%)
	9	Red (0-100%)
	10	Green (0-100%)
	11	Blue (0-0100%)
	12	Dimmer (0-0100%)
	13	Red (0-100%)
	14	Green (0-100%)
	15	Blue (0-0100%)
	16	Dimmer (0-0100%)

Mode	DMX Channel	Function
P001	1	Red (0-100%)
	2	Green (0-100%)
	3	Blue (0-0100%)
	4	Red (0-100%)
	5	Green (0-100%)
	6	Blue (0-0100%)
	7	Red (0-100%)
	8	Green (0-100%)
	9	Blue (0-0100%)
	10	Red (0-100%)
	11	Green (0-100%)
	12	Blue (0-0100%)

Mode	DMX Channel	Function
F001	1	Dimmer (0-100%)
	2	Red (0-100%)
	3	Green (0-100%)
	4	Blue (0-0100%)
	5	Strobe
	6	Macro

Technical Specifications

Physical

- Width: 370mm (14.6in)
- Length: 245mm (9.65in)
- Height: 150mm (5.9in)
- Weight: 4.4Kg (9.5lbs)

Electrical

- Input voltage: Autoranging 100V-240V AC, 50-60Hz
- Power consumption: 52W

Construction

- Housing: Powder coated steel
- Color: Black, Gray or White
- Ingress Protection (IP): IP30

Connections

- Power cable entry: IEC320 C13 (included)
- Power Linking: IEC320 C13 to C14 (included)
- Data cable entry: XLR 3-pin
- Data connection: Male to Female XLR 3-pin, 16ft

Electronics

- Control panelL 4-digit LED Display with 4 control buttons
- Control: USITT DMX-512
- DMX Personalities: (16,12, & 6 control channels)
- Operational modes: DMX, Stand-Alone, Master/Slave
- Manually set Red, Green and Blue levels on board

Temperatures

- Fan cooled
- Maximum ambient temp: 40°C (104°F)
- Maximum housing temp: 80°C (176°F)

LED Array

- Configuration: 16 x 3W (3-in-1)

Optical

- Available in 25° Standard Beam Angle
- Beam Shaping Films available in 30°, 40° & 60°x1°

Ordering Information

Voltage	**Angle**	**Color**	**Order Code**
90-220V	25°	Black	ILDIP-4016526-01E-11
		Gray	ILDIP-4016526-01E-21
		White	ILDIP-4016526-01E-31
Beam Shaping Films Order Code			
Angle	**Size**		**Order Code**
30°	3" x 12.5"		IRIL-BSF30-MB1
40°	3" x 12.5"		IRIL-BSF40-MB1
60°x1°	3" x 12.5"		IRIL-BSF60x1-MB1

⚠ Using a 60° x 1° film with a 25° primary lens will yield a 60°x25° beam angle. The beam shaping film is precut to fit into the front face of the product. You can affix the film using stage tape or double sided tape.

Warranty Information

- 2-year limited warranty

3 Installation

AC Power

This fixture is not equipped with a power switch. To power on the fixture simply connect it to an appropriately rated power source. It cannot be remotely turned off using a control channel. If you require the fixture to be completely turned off, please do so at the branch circuit or via an interrupt.

- To determine the power requirements for a particular fixture, see the label affixed to the back plate of the fixture or refer to the fixture's specifications chart.
- A fixture's listed current rating is its average current draw under normal conditions.
- All fixtures must be powered directly off a switched circuit and cannot be run off a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel is used solely for a 0% to 100% switch.
- Before applying power to a fixture, check that the source voltage matches the fixture's requirement.
- All fixtures must be connected to circuits with a suitable Earth Ground.

Cable	Pin	International
Brown	Live	L
Blue	Neutral	N
Yellow/Green	Earth	EG (Ground)

Mounting

Overhead rigging requires careful planning and experience. It includes the calculation of working load limits, installation materials and periodic safety inspection. If you lack these qualifications, do not attempt the install yourself. Improper installation can result in personal injury or damage of property.

It is very important that you allow at least 4 inches of free space and unrestriscted airflow around the fixture.

An IP65 rated fixture can be installed outdoors and is built to withstand rain and other low-pressure water projections. Please avoid the following;

⚠ Do not expose to high-pressure water jets from any direction!

⚠ Do not immerse in water or any other fluid!

⚠ Do not install in a location where flooding may occur!

The aluminum housing may reach temperatures up to 90°C (194°F). Please restrict public access to the fixture whenever possible,.

Location

This fixture can mounted on a truss using its yoke assembly. The yoke assembly also serves to floor-stand the fixture on a flat surface.

Orientation

This fixture can be rigged in any orientation on a truss without altering its normal operation. The yoke assembly allows the adjustment of both pan and tilt on a truss once mounted using a single C clamp through the center-mounting hole on the bottom yoke bracket.

Safety Cable

It is recommended that you use a safety cable when mounting any fixture. Verify that the cable is capabale of supporting the weight of the fixture.

Rigging

The fixture includes a mounting yoke to which 1 rigging C style pipe clamp can be bolted.

1. Align the clamp screw with the center hole on the yoke and tighten.
2. Verify the structure can hold 10 times the weight of all to-be installed fixtures.
3. Adjust the angle on the yoke arm as necessary.
4. Make sure your outlet has power.
5. Focus or point the light or fixture in the direction you wish to aim.
6. Follow the operating instructions.
7. Call your authorized Dealer if you need friendly advice and technical assistance.

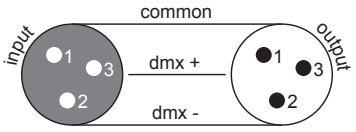
Fixture Linking

This fixture can operate on a standard DMX 512 link controlled by a DMX controller.

DMX Primer

There are 512 channels in a DMX-512 connection. Channels may be assigned in any manner. A fixture capable of receiving DMX-512 will require one or a number of sequential channels. The user must assign a starting address on the fixture that indicates the first channel reserved in the controller. There are many different types of DMX controllable fixtures and they all may vary in the total number of channels required. Choosing a start address should be planned in advance. Channels should never overlap. If they do, this will result in erratic operation of the fixtures whose starting address is set incorrectly. You can however, control multiple fixtures of the same type using the same starting address as long as the intended result is that of unison movement or operation. In other words, the fixtures will be slaved together and all respond exactly the same.

DMX fixtures are designed to receive data through a serial Daisy Chain. A Daisy Chain connection is where the DATA OUT of one fixture connects to the DATA IN of the next fixture. The order in which the fixtures are connected is not important and has no effect on how a controller communicates to each fixture. Use an order that provides for the easiest and most direct cabling. Connect fixtures using shielded two conductor twisted pair cable with three pin XLR male to female connectors. The shield connection is pin 1, while pin 2 is Data Negative (S-) and pin 3 is Data positive (S+).



DMX connector configuration

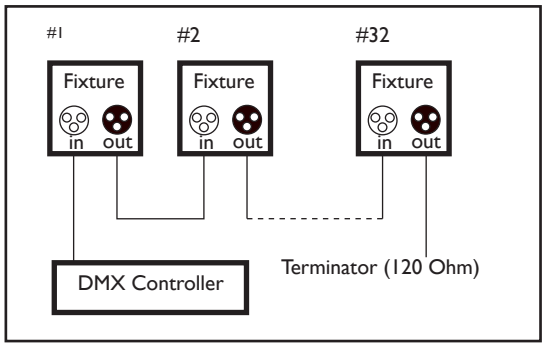
Termination reduces signal errors and to avoid signal transmission problems and interference, it is always advisable to connect a DMX signal terminator.

Resistance 120 ohm 1/4w between pin 2(dmx -) and pin 3(dmx +) of the last fixture

Do not connect anything to the ground lug on the XLR connector. Do not connect or allow contact between the common (cable shield) and the fixture's chassis ground. Grounding the common may cause a ground loop or erratic behaviour of your fixture.

Build a DMX Daisy Chain

1. Connect the DMX output of the controller directly with the DMX input of the first fixture in the chain.
2. Connect the DMX output of the first fixture in the chain with the DMX input of the next fixture.
3. Continue linking the remaining fixtures coming out from the DMX output and into the DMX input as referenced above.



It is recommended that you do not exceed a maximum of 32 linked fixtures or 500 meters (1,640 feet) on your DMX chain. Instead use an opto-splitter (DMX splitter) to accomodate more than 32 fixtures.

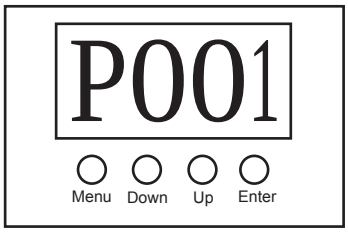
DMX start address

The DMX mode enables the use of a universal DMX controller device. Each fixture requires a "start address" from 1 to 511. A fixture requiring one or more channels for control begins to read the data on the channel indicated by the start address. For example, a fixture that occupies or uses 7 channels of DMX and was addressed to start on DMX channel 100, would read data from channels: 100, 101, 102, 103, 104, 105 and 106.

Choose start addresses so that the channels used do not overlap and notate the start address selected for future reference.

If this is your first time addressing a fixture using the DMX-512 control protocol please read the "DMX Primer" in this chapter. It contains very useful information that will help you understand its use.

Setting the DMX start address



Display Menu

1. Access the fixture's display menu using the 4 buttons located directly under the LED display.
2. Press the [Menu] button to return to the top menu level.
3. Press the [Up or Down] button until the LED display shows (Addr).
4. Press the [Enter] button continuously to toggle between (A001), (P001) & (F001). Where (F001) represents the simplest 6 channel DMX mode.
5. Use the [Up or Down] buttons to select a new DMX start channel.
6. Press [Menu] to complete this task.

The physical location of the fixture on the DMX daisy chain does not have to correspond with the order of channel assignments. However, the fixture's channel range must not overlap any other DMX enabled device on the daisy chain. If you overlap channels you could end up with unintended results. The exception would be identical fixtures under the same start channel as a means of unified control of like fixtures.

Quick Operation

Stand Alone Operation

This fixture has some basic built in programs and provides the user the ability to create an individual color mix using the Red, Green and Blue intensity levels.

To engage the Stand Alone operation of this fixture simply continue to read about the following functions, for a detailed description and instructions skip to the next chapter.

Manual Color Mix

Manually select a color on your fixture by using (rL--), (GL--) & (bL--) and adjusting their values.

White Strobe

Permanently set a white strobe by using the (FLAS) function.

Color Cross-Fade Program

Execute a color cross-fade program and choose from 15 speeds by using the (FAdE) function.

Color Change Program

Executes a 7 color change program and choose from 15 speeds by using the (ASC-) function.

Color Chase Program

Choose any one of 5 chase programs by using the (CE--) and set the speed from slow to fast by using the (CS--) function.

Sound Activated Program

Execute programs using its built in microphone by using (SouA),(SouF) and (SEnS).

Master/Slave Operation

A master/slave operation can quickly be established by setting the first unit in the link to any one of the pre-programmed functions and then setting all subsequent linked fixtures to (A001).

⚠ Do not connect fixtures to a lighting controller when in Master/Slave operation.

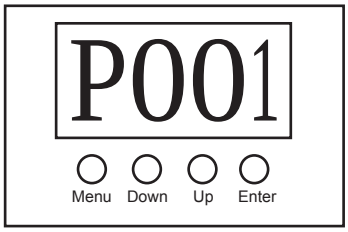
4 Fixture Operation

Menu System

The onboard control interface provides fixture configuration options, stand-alone options and programmable functions.

The LED Display Panel

The LED display panel automatically turns off after 45 seconds of inactivity. Press any button to turn on the display.



Display Menu

Display Panel Buttons

The following table describes Button functions.

Menu	Backs out of any current fucntion and returns to top level menu
Down	Toggles downward through functions options
Up	Toggles upward through function options
Enter	Confirms selection or set values

Menu Map

Level 1	Level 2	Option/Setting	Description
Addr	A001	001 -511	Starting DMX channel, (16Ch Mode)
	P001	001 -511	Starting DMX channel, (12Ch Mode)
	F001	001 -511	Starting DMX channel, (6Ch Mode)
rL--		00-15	Sets manual intensity levels of the red leds. 15 step increments to 100%
GL--		00-15	Sets manual intensity levels of the green leds. 15 step increments to 100%
bL--		00-15	Sets manual intensity levels of the blue leds. 15 step increments to 100%
FLAS		00-15	Sets a white strobe rate from slow to fast in 15 step increments
FAdE		00-15	Executes a color cross-fade program and sets the speed of the program in 15 step increments from slow to fast.
ASc-		00-15	Executes a color change program and sets the speed of the program in 15 step increments from slow to fast.
cE--		00-15	Select from 15 chase programs.
cS--		00-15	Sets the chase speed for CE-- selected chase program in 15 step increments from slow to fast.
SouA		00-15	Chase programs activated by sound using the internal microphone. Uses the same chase programs as in (cS--)
SouF		00-15	Sound triggered flash. Uses the same chase programs as in (cS--)
SEnS		00-15	Sound triggered programs.

Setting the DMX start channel (Addr)

1. Access the fixture's display menu using the 4 buttons located directly under the LED display.
2. Press the [Menu] button to return to the top menu level.
3. Press the [Up or Down] button until the LED display shows (Addr).
4. Press the [Enter] button continuously to toggle between (A001), (P001) & (F001) channel modes. Stay on any one of the selected modes.
   (A001) is a 16 Ch mode
   (P001) is a 12 Ch mode
   (F001) is a 6 Ch mode
5. Use the [Up or Down] buttons to select a new DMX start channel in the selected mode.
6. Press [Menu] to complete this task.

Setting the DMX channel mode (Addr)

Please see the previous topic which contains both address and channel mode selection.

Manually color mix (rL--, GL-- & bL--)

Setting the individual intensity of the Red, Green and Blue leds on your fixture will yield a different color. This is called additive color mixing.

1. Access the fixture's display menu using the 4 buttons located directly under the LED display.
2. Press the [Menu] button to return to the top menu level.
3. Press the [Up or Down] button until the LED display shows (rL--) for Red, (GL--) for Green or (bL--) for Blue.
4. Press the [Enter] button and the display will switch to (rL00) for Red, (GL00) for Green or (bL00) for Blue respectively. Where "00" represents a value between 00-15.
5. Use the [Up or Down] buttons to select a new value. Each value represents an intensity level starting with 0% and reaching a maximum of 100%. in 15 step increments.
6. Press [Menu] to complete this task.

Manual white strobing (FLAS)

You can set the fixture to permanently strobe/flash in 15 different speeds. The flash will occur on all colored leds at full intensity and therefore flash the color white.

1. Access the fixture's display menu using the 4 buttons located directly under the LED display.
2. Press the [Menu] button to return to the top menu level.
3. Press the [Up or Down] button until the LED display shows (FLAS)
4. Press the [Enter] button and the display will switch to (FL00). Where "00" represents a value between 00-15.
5. Use the [Up or Down] buttons to select a new value. Each value represents a strobe rate from slow to fast.
6. Press [Menu] to complete this task.

Color Cross-Fade Program (FAdE)

The color cross-fade program performs a color change in a cross-fade effect. This is where the intensity in one color step/color begins to decrease while the intensity in the following step/color begins to increase. The color change will be very subtle and almost unnoticeable.

1. Access the fixture's display menu using the 4 buttons located directly under the LED display.
2. Press the [Menu] button to return to the top menu level.
3. Press the [Up or Down] button until the LED display shows (FAdE)
4. Press the [Enter] button and the display will switch to (Fd00). Where "00" represents a value between 00-15.
5. Use the [Up or Down] buttons to select a new value. Each value represents a cross-fade rate from slow to fast in 15 step increments.
6. Press [Menu] to complete this task.

Color Change Program (ASC-)

The color change program works in a similar fashion to the cross-fade program, except with no cross-fade effect. Seven colors will simply change one after the other in the selected speed.

Please follow the instructions in the previous topic (FAdE) and replace the menu function with (ASC-).

Color Chase Program (CE--), Speed (CS--)

1. Access the fixture's display menu using the 4 buttons located directly under the LED display.
2. Press the [Menu] button to return to the top menu level.
3. Press the [Up or Down] button until the LED display shows (CE--)
4. Press the [Enter] button and the display will switch to (CE00). Where "00" represents a value between 00-04.
5. Use the [Up or Down] buttons to select a new value. Each value represents a different color chase program.
6. Press [Menu] to complete this task and return to the top menu.
7. Press the [Up or Down] button until the LED display shows (CS--)
8. Press the [Enter] button and the display will switch to (CS00). Where "00" represents a value between 00-15.
9. Use the [Up or Down] buttons to select a new value. Each value represents a program chase rate from slow to fast.
10. Press [Menu] to complete this task.

Sound Activated Chase Program (SouA)

Access the fixture's display menu using the 4 buttons located directly under the LED display.

1. Press the [Menu] button to return to the top menu level.
2. Press the [Up or Down] button until the LED display shows (SouA)
3. Press the [Enter] button and the display will switch to (SA00). Where "00" represents a value between 00-15.
4. Use the [Up or Down] buttons to select a new value. Each value represents a different sound chase program.
5. Press [Menu] to complete this task.

Sound Activated Flash Program (SouF)

Access the fixture's display menu using the 4 buttons located directly under the LED display.

1. Press the [Menu] button to return to the top menu level.
2. Press the [Up or Down] button until the LED display shows (SouF)
3. Press the [Enter] button and the display will switch to (SF00). Where "00" represents a value between 00-15.
4. Use the [Up or Down] buttons to select a new value. Each value represents a different color change program with flash/strobe.
5. Press [Menu] to complete this task.

Sound Activated Program (SEnS)

Access the fixture's display menu using the 4 buttons located directly under the LED display.

1. Press the [Menu] button to return to the top menu level.
2. Press the [Up or Down] button until the LED display shows (SEnS)
3. Press the [Enter] button and the display will switch to (Sn00). Where "00" represents a value between 00-15.
4. Use the [Up or Down] buttons to select a new value. Each value represents {This is a little difficult to see what is the difference from the other programs}
5. Press [Menu] to complete this task.

6 DMX Channel Values

This product has 3 DMX channel personalities as referenced below.

Mode	Ch.	Func.	Value	Description
A001	1	Red	0-255	0-100% Color Intensity
	2	Green	0-255	0-100% Color Intensity
	3	Blue	0-255	0-100% Color Intensity
	4	Dimmer	0-255	0-100% Global Dimmer
	5	Red	0-255	0-100% Color Intensity
	6	Green	0-255	0-100% Color Intensity
	7	Blue	0-255	0-100% Color Intensity
	8	Dimmer	0-255	0-100% Global Dimmer
	9	Red	0-255	0-100% Color Intensity
	10	Green	0-255	0-100% Color Intensity
	11	Blue	0-255	0-100% Color Intensity
	12	Dimmer	0-255	0-100% Global Dimmer
	13	Red	0-255	0-100% Color Intensity
	14	Green	0-255	0-100% Color Intensity
	15	Blue	0-255	0-100% Color Intensity
	16	Dimmer	0-255	0-100% Global Dimmer

Mode	Ch.	Func.	Value	Description
P001	1	Red	0-255	0-100% Color Intensity
	2	Green	0-255	0-100% Color Intensity
	3	Blue	0-255	0-100% Color Intensity
	4	Red	0-255	0-100% Color Intensity
	5	Green	0-255	0-100% Color Intensity
	6	Blue	0-255	0-100% Color Intensity
	7	Red	0-255	0-100% Color Intensity
	8	Green	0-255	0-100% Color Intensity
	9	Blue	0-255	0-100% Color Intensity
	10	Red	0-255	0-100% Color Intensity
	11	Green	0-255	0-100% Color Intensity
	12	Blue	0-255	0-100% Color Intensity

Mode	Ch.	Func.	Value	Description
F001	1	Dimmer	0-255	0-100% Global Dimmer
	2	Red	0-255	0-100% Color Intensity
	3	Green	0-255	0-100% Color Intensity
	4	Blue	0-255	0-100% Color Intensity
	5	Strobe	000-009	No Function
			010-057	Strobe, Slow to Fast
			058-059	No Function
			060-108	Strobe at slow speed
			160-161	No Function
			162-255	Random Strobe
	6	Macro	000-009	No Macron
			010-050	Color Fade
			051-091	Color Fade, RGB only
			092-132	Color Fade
			133-173	Color Fade
			174-214	Color Fade snaps
			215-255	Random All macros

7 Maintenance & Troubleshooting

Please Read the "Safety Information" section of this manual before carrying out any service or maintenance work on any lighting fixture.

Ensure that mains power to the fixture is terminated before handling equipment in any way.

Excessive dirt and particle buildup can affect light performance, can cause overheating which can ultimately lead to damage of the fixture.

Take precautions to avoid ESD (Electro static discharge) damage during service.

The service and maintenance procedures described in this section must be carried out by qualified professionals only. Any service procedures not described in this section must be carried out by Irradiant/Ilumenite Service organization or its authorized agents.

Optical components in all lighting fixtures are subject to wear over the life of the fixture. It can result in gradual changes in color rendition as well as overall intensity of the light. The extent of wear depends heavily on operating conditions, maintenance and climatic environment. For this reason, it is impossible to specify precise lifetimes for optical components. You will eventually need to replace LEDs if their characteristics are affected by wear after an extended period of use and if you require fixtures to perform within very precise optical and color parameters.

Cleaning

Regular cleaning is essential for fixture life and performance. Buildup of dust and dirt degrades the fixture's light output and cooling ability.

Cleaning schedules will vary greatly depending on the operating environment. Inspect fixtures within their first few weeks of operation to estimate the frequency of the cleaning and maintenance.

Do not use products that contain solvents, abrasives or caustic agents for cleaning, as they can cause surface damage to the fixture.

⚠ Warning! Never use a high-pressure water jet for cleaning. Take care not to damage seals and wiring during cleaning.

This fixture's housing and front glass can be cleaned with mild detergents such as those for washing cars. To clean the housing and front glass;

1. Isolate the fixture from AC power and allow the fixture to cool for 20 minutes.
2. Where a silicone seal exists, inspect and make sure it is in good condition. If any seal shows signs of damage or loss of water resistance, stop cleaning the fixture and contact an Ilumenite/Irradiant authorized service technician for seal replacement.
3. If seals are in good condition, rinse off loose dirt with a low-pressure water spray.
4. Wash the aluminum housing and front glass using warm water with a little mild detergent and a soft-brush or sponge. Do not use abrasive cleaners.
5. Rinse with clean water and wipe dry.