

4BAR™

It's Green Thinking

Snapshot

Use on Dimmer	⊘
Outdoor Use	⊘
Sound Activated	✓
DMX	✓
Master/Slave	✓
Auto-ranging Power Supply	✓
Replaceable Fuse	✓
User Serviceable	⊘
Duty Cycle	⊘

User Manual



(Included)



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1. BEFORE YOU BEGIN

What is included

- Ø 1 x 4BAR™
- Ø 1 x 4BAR™ transport bag
- Ø 1 x Tripod stand
- Ø 1 x Tripod stand transport bag
- Ø 1 x Footswitch
- Ø 1 x Warranty Card
- Ø 1 x User Manual

Unpacking Instructions

Immediately upon receiving a fixture, 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.




Manual Conventions

CHAUVET® manuals use the following conventions to differentiate certain types of information from the regular text.

CONVENTION	MEANING
[10]	A DIP switch to be configured
<Menu>	A key to be pressed on the fixture's control panel
1~512	A range of values
50/60	A set of values of which only one can be chosen
Settings	A menu option not to be modified (for example, showing the operating mode/current status)
MENU > Settings	A sequence of menu options to be followed
ON	A value to be entered or selected

Icons

This manual uses the following icons to indicate information that requires special attention on the part of the user.

ICONS	MEANING
	This paragraph contains critical installation, configuration or operation information. Failure to comply with this information may render the fixture partially or completely inoperative, cause damage to the fixture or cause harm to the user.
	This paragraph contains important installation or configuration information. Failure to comply with this information may prevent the fixture from functioning correctly.
	This paragraph reminds you of useful, although not critical, information.

AC Power

This fixture has an auto-ranging power supply that can accommodate a wide range of input voltages. The only thing necessary to do before powering on the unit is to make sure the line voltage you are applying is within the range of accepted voltages. This fixture will accommodate between 100~240 VAC, 50-60 Hz. 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.



All fixtures must be connected to circuits with a suitable Earth Ground.

Safety Instructions



Please read these instructions carefully, which includes important information about the installation, usage and maintenance of this product.

- 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 the decal or rear panel of the fixture.
- This product is intended for indoor use only! To prevent risk of fire or shock, do not expose fixture to rain or moisture.
- 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 20 in (50 cm) 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.
- Maximum ambient temperature (Ta) is 104° F (40° C). Do not operate fixture at temperatures higher than this.
- In the event of a 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.
- Never connect the device to a dimmer pack.
- Make sure the power cord is never crimped or damaged.
- Never disconnect the power cord by pulling or tugging on the cord.
- Avoid direct eye exposure to the light source while it is on.



There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact CHAUVET® at: 954-929-1115.

2. INTRODUCTION

Features (fixture)

- 15-channel DMX LED wash light system
- RGB control of 4 separate lights
- Built-in automated programs via DMX
- Built-in sound activated programs DMX

Features (footswitch)

- Trigger built-in static or automated programs (includes RGB fades)
- Instantly set any program to sound active
- Instantly blackout any program

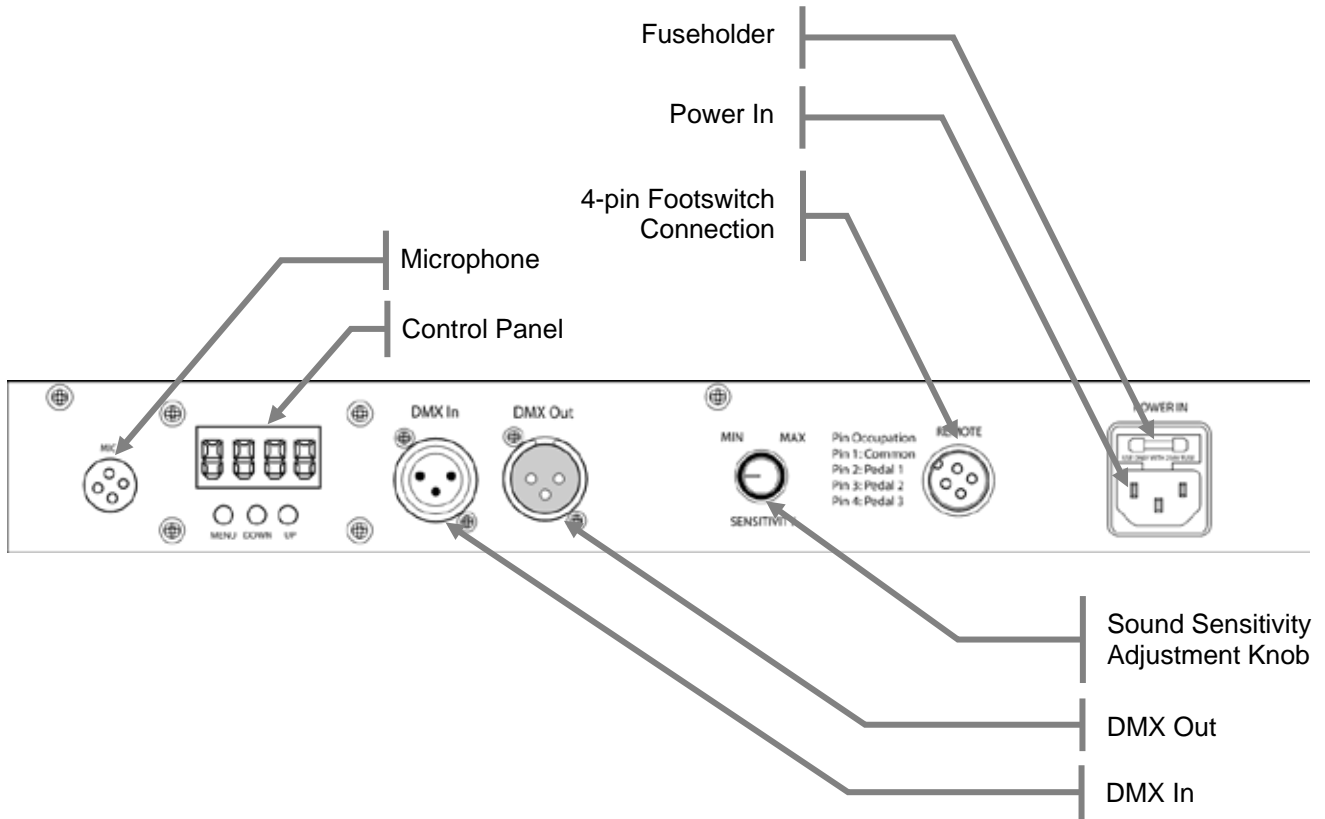
Additional Features

- Includes footswitch with 33 ft cable, tripod with bag and transport case for lights
- Independent positioning of each light
- Low-profile lights are 1.7 in deep
- Adjustable stand height from 56 in to 91 in

DMX Channel Values

CHANNEL	VALUE	FUNCTION	Description	CH 1 Auto Programs
1	000 ◊ 009	Control/Operating Mode RGB Mode (ch.2-15) Auto Programs Sound-Active		010 ◊ 029
	010 ◊ 249			Auto 1
	250 ◊ 255			Auto 2
				Auto 3
2	000 ◊ 009	Master dimmer No function Dimmer (low ◊ high)		070 ◊ 089
	010 ◊ 255			Auto 4
				Auto 5
				Auto 6
3	000 ◊ 009	Strobe No function Strobe (slow ◊ fast)		110 ◊ 129
	010 ◊ 255			Auto 7
				Auto 8
				Auto 9
4	000 ◊ 255	Red 1	RGB Color Mixing 0% ◊ 100%	170 ◊ 189
5	000 ◊ 255	Green 1		Auto 10
6	000 ◊ 255	Blue 1		Auto 11
7	000 ◊ 255	Red 2	RGB Color Mixing 0% ◊ 100%	210 ◊ 229
8	000 ◊ 255	Green 2		Auto 12
9	000 ◊ 255	Blue 2		
10	000 ◊ 255	Red 3	RGB Color Mixing 0% ◊ 100%	
11	000 ◊ 255	Green 3		
12	000 ◊ 255	Blue 3		
13	000 ◊ 255	Red 4	RGB Color Mixing 0% ◊ 100%	
14	000 ◊ 255	Green 4		
15	000 ◊ 255	Blue 4		

Product Overview



3. SETUP



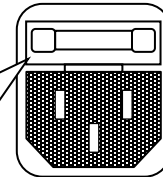
Disconnect the power cord before replacing a fuse and always replace with the same type fuse.



Fuse Replacement

With a flat head screwdriver wedge the fuse holder out of its housing. Remove the damaged fuse from its holder and replace with exact same type fuse. Insert the fuse holder back in its place and reconnect power.

The fuse is located inside this compartment. Remove using a flat head screwdriver.



Mounting

Orientation

This fixture may be mounted on the included tripod stand, in any location, provided there is adequate room for ventilation.

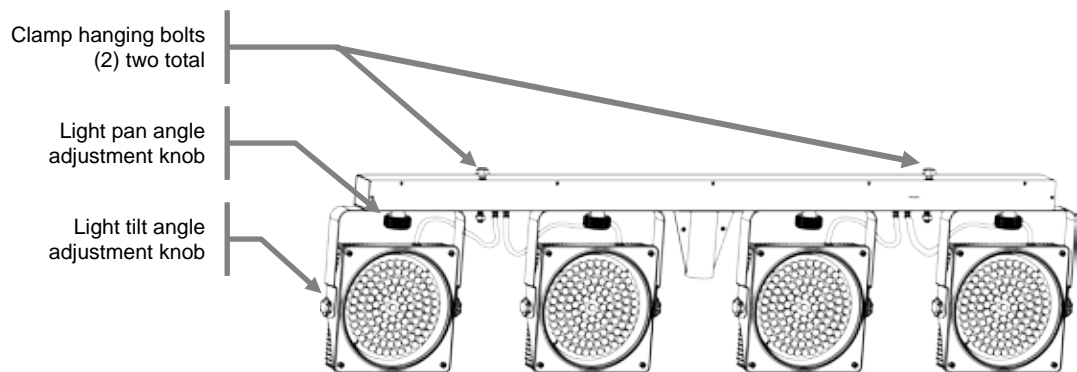
Rigging

There are two methods of mounting this fixture.

- Using the included tripod stand
- Using a clamp on the two clamp hanging bolts

Adjust the angle of the each of the four lights on the fixture by loosening both knobs and tilting the fixture. After finding the desired position, retighten both knobs.

- When selecting installation location, take into consideration access and routine maintenance.
- Never mount in places where the fixture will be exposed to rain, high humidity, extreme temperature changes or restricted ventilation.
- The clamps for hanging are sold separately.
- When using the clamp hanging bolts, BOTH of the two hanging positions MUST be used.

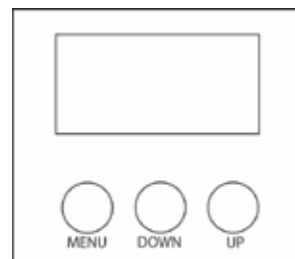


4. OPERATING INSTRUCTIONS

Navigating the Control Panel

Access control panel functions using the three panel buttons located directly underneath the LED Display.

Button	Function
<MENU>	Used to access the menu or to return to a previous menu option
<DOWN>	Scrolls through menu options in descending order
<UP>	Scrolls through menu options in ascending order



The Control Panel LED Display shows the menu items you select from the menu map. When a menu function is selected, the display will show immediately the first available option for the selected menu function.

Menu Map

MENU OPTION	SUB-MENU	FUNCTION / DESCRIPTION	UP BUTTON	DOWN BUTTON
*512		Auto displays d . * * *		
	A * * *	Allows to change DMX address	Changes DMX address in ascending order	Changes DMX address in descending order
	d . * * *	Displays DMX address; cannot change		
*SND		Sets to sound-active	Displays current speed	Displays current speed
AUTO		Plays program automatically	Displays current speed	Displays current speed
	S * * *	Allows to change Auto speed	Change run speed in ascending order	Change run speed in descending order

Operation

DMX Mode

This mode allows the unit to be controlled by any universal DMX controller. If you are unfamiliar with DMX, download the **DMX Primer** from the www.chauvetlighting.com website.

- 1) Press the <MENU> button until one of the following is displayed: AUTO , SND , 512.
- 2) Immediately, press the <UP> button until 512 is displayed (not necessary if 512 is already displayed).
- 3) Wait for 5 seconds, until the display reads "d . * * *".
- 4) Press <MENU> until the display reads "A * * *".
- 5) Then, use the <UP> and <DOWN> buttons to select the DMX starting address.

Automatic Mode

This fixture has several built-in automatic programs. To access them, please see the below instructions:

- 1) Press the **<MENU>** button until one of the following is displayed: AUTO , SND , 512.
- 2) Immediately, press the **<DOWN>** button until AUTO is displayed (not necessary if AUTO is already displayed).
- 3) Wait for 5 seconds.
- 4) Press **<MENU>** until the display reads "S * * *".
- 5) Then, use the **<UP>** and **<DOWN>** buttons to select the operating speed of the program.

Sound Mode

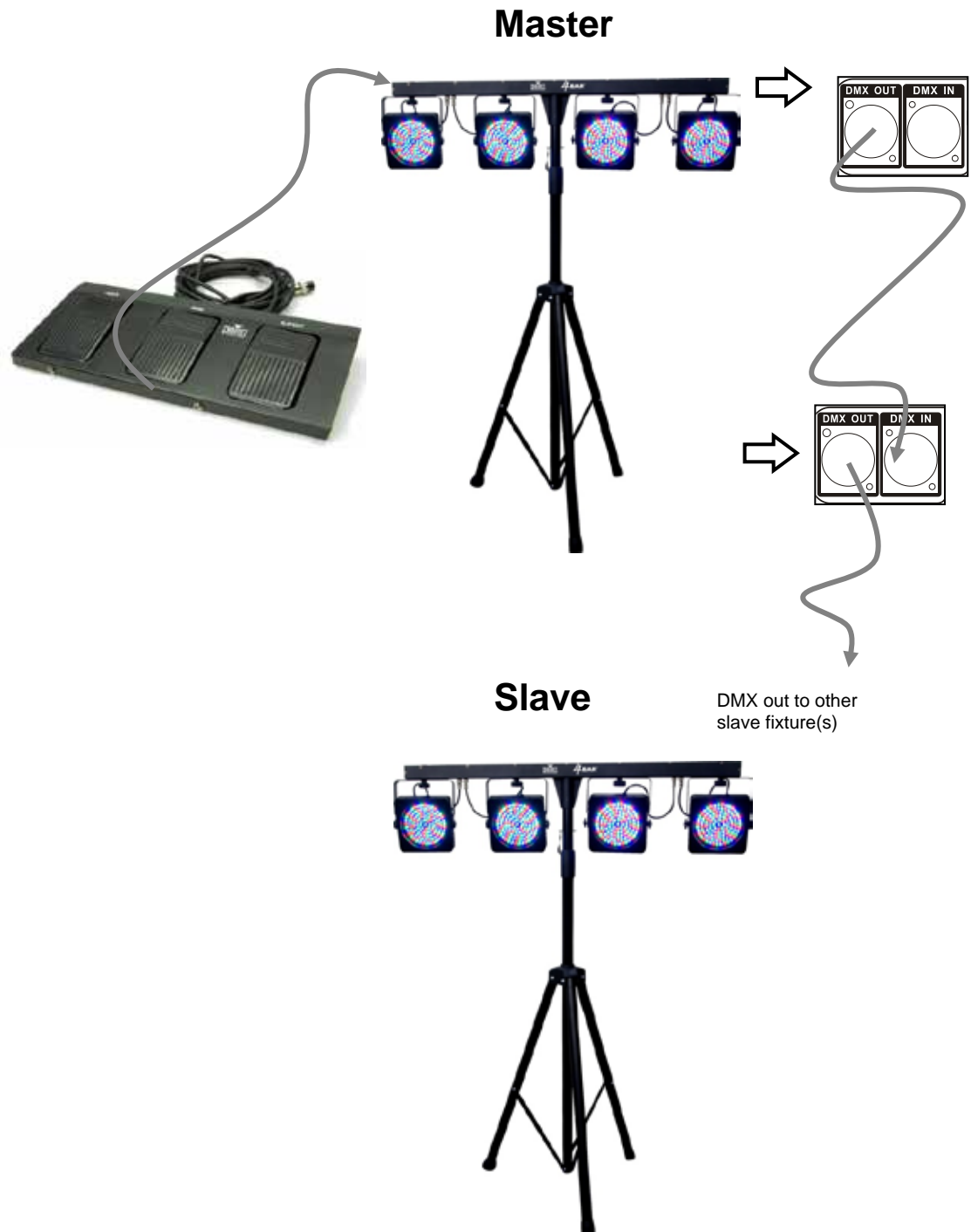
This fixture has several built-in automatic programs. To trigger these programs via sound, please see the below instructions:

- 1) Press the **<MENU>** button until one of the following is displayed: AUTO , SND , 512.
- 2) Immediately, press the **<UP>** button until SND is displayed (not necessary if SND is already displayed).
- 3) Wait for 5 seconds.
1. Then, use the **<SOUND SENSITIVITY ADJUSTMENT KNOB>** to adjustment the sensitivity of the program to the sound received from the microphone.

Master/Slave Operation

This mode allows for multiple 4BAR™s to be controlled with a single footswitch. Please see the following instructions for the setup.

- 1) Connect the footswitch to the first 4BAR™.
- 2) Then, connect from the DMX Out of the Master 4BAR™ to the DMX In of the Slave unit.
- 3) Set the DMX starting address of the Slave(s) to "001".



Footswitch operation

The included footswitch provides quick access to preset colors, color change programs, and triggering via the onboard microphone on the 4BAR™. Please see the chart, along with the set of instructions, below for further explanation.

1. Power on the fixture.
2. Connect the footswitch to the 4BAR™ via the 4-pin connection cable with plug.
3. Press pedal # 1 (Preset) to activate control. When this is operating properly, the LEDs on the 4BAR™ will light white (first function on pedal # 1)

PEDAL	SUB-OPTION	FUNCTION
1 (PRESET)	1 x press	White
	2 x press	Red
	3 x press	Green
	4 x press	Blue
	5 x press	Cyan
	6 x press	Yellow
	7 x press	Violet
	8 x press	Color change every second in a continuous loop
	9 x press	Color change every 3 seconds in a continuous loop
2 (SOUND ON)	-	Sound controlled
3 (BLACKOUT)	-	Blackout



There is no need to modify any settings for the 4BAR™ before connecting the footswitch. It will operate properly in any mode.



There is no need to modify any settings for the 4BAR™ before connecting the footswitch. It will operate properly in any mode.

Disconnecting the Footswitch

In order to properly disconnect the footswitch, please follow these steps:

1. Unplug the footswitch from the 4BAR™.
2. Turn the power to the fixture off (unplug the power cable).
3. Turn the power to the fixture on again (plug in the power cable), and the fixture will properly operate on any one of the 3 modes.

General Troubleshooting

Symptom	Solution(s)	Applies to			
		Lights	Foggers & Snow	Controllers	Dimmers & Chaser
Auto shut off	Check fan thermal switch reset	ü			
Breaker/Fuse keeps blowing	Check total load placed on device				ü
Device has no power	Check for power on Mains. Check device's fuse. (internal and/or external)	ü		ü	ü
Fixture is on but there is no movement to the audio	Make sure you have the correct audio mode on the control switches. If audio provided via ¼" jack, make sure a live audio signal exists Adjust sound sensitivity knob	ü		ü	ü
Lamps cuts off sporadically	Possible bad lamp or fixture is overheating. Lamp may be at end of its life.	ü			
Light will not come on after power failure	Some discharge lamps require a cooling off period before the electronics in the fixture can kick start it again, wait 5 to 10 minutes before powering up	ü			
Loss of signal	Use only DMX cables Install terminator Note: Keep DMX cables separated from power cables or black lights.	ü	ü	ü	ü
No flash	Re-install bulb, may have shifted in shipping	ü			
No light output	Check slip ring & brushes for contact Install bulb Call service technician	ü			
Remote does not work	Make sure connector is firmly connected to device	ü	ü		
Stand alone mode	All Chauvet lighting fixtures featuring stand-alone functions do not require additional settings, simply power the fixture and it will automatically enter into this mode	ü			

If you still have a problem after trying the above solutions, please contact CHAUVET® Technical Support at the location on the next page.

Contact Us

World Wide

General Information

CHAUVET®
5200 NW 108th Avenue
Sunrise, FL 33351
voice: 954.929.1115
fax: 954.929.5560
toll free: 800.762.1084

Technical Support

CHAUVET®
5200 NW 108th Avenue
Sunrise, FL 33351
voice: 954.929.1115 (Press 4)
fax: 954.929.5560 (Attention: **Service**)

World Wide Web

www.chauvetlighting.com

General Maintenance

To maintain optimum performance and minimize wear fixtures should be cleaned frequently. Usage and environment are contributing factors in determining frequency. As a general rule, fixtures should be cleaned at least twice a month. Dust build up reduces light output performance and can cause overheating. This can lead to reduced lamp life and increased mechanical wear. Be sure to power off fixture before conducting maintenance.

Unplug fixture from power. Use a vacuum or air compressor and a soft brush to remove dust collected on external vents and internal components. Clean all glass when the fixture is cold with a mild solution of glass cleaner or Isopropyl Alcohol and a soft lint free cotton cloth or lens tissue. Apply solution to the cloth or tissue and drag dirt and grime to the outside of the lens. Gently polish optical surfaces until they are free of haze and lint.

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics. Clean with soft cloth using normal glass cleaning fluid. Always dry the parts carefully. Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.

Returns Procedure

Returned merchandise must be sent prepaid and in the original packing, call tags will not be issued. Package must be clearly labeled with a Return Merchandise Authorization Number (RMA #). Products returned without an RMA # will be refused. Call CHAUVET® and request RMA # prior to shipping the fixture. Be prepared to provide the model number, serial number and a brief description of the cause for the return. Be sure to properly pack fixture, any shipping damage resulting from inadequate packaging is the customer's responsibility. CHAUVET® reserves the right to use its own discretion to repair or replace product(s). As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

Note: If you are given an RMA #, please include the following information on a piece of paper inside the box:

- 1) Your name
- 2) Your address
- 3) Your phone number
- 4) The RMA #
- 5) A brief description of the symptoms

Claims

Damage incurred in shipping is the responsibility of the shipper; therefore the damage must be reported to the carrier upon receipt of merchandise. It is the customer's responsibility to notify and submit claims with the shipper in the event that a fixture is damaged due to shipping. Any other claim for items such as missing component/part, damage not related to shipping, and concealed damage, must be made within seven (7) days of receiving merchandise.

Technical Specifications

WEIGHT & DIMENSIONS

Length..... 47 in (1,193 mm)
Height (fully extended) 91 in (2,311 mm)
Weight 29 lbs (13.2 kg)

POWER

Auto-ranging power supply..... 100~240 VAC, 50/60 Hz
Power consumption @ 120 V, 60 Hz 48 W, 0.4 A max
Inrush current @ 120 V, 60 Hz..... 0.8 A
Power consumption @ 230 V, 50 Hz 37 W, 0.2 A max
Inrush current @ 230 V, 50 Hz..... 0.2 A
Fuse..... F 2 A, 250 V

LIGHT SOURCE

LED..... 432 10 mm (108 per light) (144 Red, 144 Green, 144 Blue) 100,000 hrs

PHOTO OPTIC

Luminance @ 1 m (per light, 1 of 4)..... 980 lux
Beam Angle (per light, 1 of 4)..... 21°
Field Angle (per light, 1 of 4)..... 33°

THERMAL

Maximum ambient operating temperature..... 104° F (40° C)

CONTROL & PROGRAMMING

Data input locking 3-pin XLR male socket
Data output..... locking 3-pin XLR female socket
Data pin configuration pin 1 shield, pin 2 (-), pin 3 (+)
Protocols..... USITT DMX512-A
DMX Channels 15

ORDERING INFORMATION

4BAR™..... 4BAR

WARRANTY INFORMATION

Warranty..... 2-year limited warranty