

# Abyss™ LED

## Snapshot

Use on Dimmer	⊘
Outdoor Use	⊘
Sound Activated	⊘
DMX 512	⊘
Master/Slave	⊘
115/230V Power Switch	✓
Replaceable Fuse	✓
User Serviceable	⊘
Duty Cycle	⊘

## User Manual



3000 N 29<sup>th</sup> Ct, Hollywood, FL 33020 U.S.A.  
(800) 762-1084 – (954) 929-1115  
FAX (954) 929-5560  
[www.chauvetlighting.com](http://www.chauvetlighting.com)

# Table of Contents

<b>1. BEFORE YOU BEGIN</b> .....	<b>1</b>
WHAT IS INCLUDED .....	1
UNPACKING INSTRUCTIONS .....	1
SYMBOLS.....	1
AC POWER .....	1
SAFETY INSTRUCTIONS.....	2
<b>2. INTRODUCTION</b> .....	<b>2</b>
FEATURES.....	2
PRODUCT OVERVIEW .....	3
<b>3. SETUP</b> .....	<b>4</b>
FUSE REPLACEMENT .....	4
MOUNTING .....	4
<i>Orientation</i> .....	4
<i>Rigging</i> .....	4
<b>4. OPERATING INSTRUCTIONS</b> .....	<b>5</b>
OPERATION MODES.....	5
GENERAL TROUBLESHOOTING .....	5
CONTACT US.....	6
<b>5. APPENDIX</b> .....	<b>6</b>
GENERAL MAINTENANCE .....	6
RETURNS PROCEDURE.....	7
CLAIMS.....	7
TECHNICAL SPECIFICATIONS .....	8

# 1. BEFORE YOU BEGIN

## What is included

- 1 x Abyss™ LED
- 1 x Power Cord
- 1 x Warranty Card
- 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 arrived in good condition. Notify the shipper immediately and retain the packing material for inspection if any parts appear damaged from shipping or the carton 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.

## Symbols



This paragraph contains critical installation, configuration or operation information. Failure to comply with this information may render the system partially or completely inoperative, cause damage to the system or cause harm to the operator/user/technician



This paragraph contains important installation or configuration information. Failure to comply with this information may prevent the system from functioning correctly.



This paragraph reminds you of useful, although not critical, information.

## AC Power



**Verify that the voltage select switch on your unit matches the line voltage applied. Damage to your fixture may result if the line voltage applied does not match the voltage indicated on the voltage selector switch.**



**Always connect the fixture to -a switched circuit. Never connect the fixture to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel is used only as a 0% to 100% switch.**

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 indicates its average current draw under normal conditions.

Before applying power to a fixture, check that the source voltage matches the fixture's requirement. Check the fixture or device carefully to make sure that if a voltage selection switch exists, it is set to the correct line voltage you will use.



**Always connect the fixture to a circuit with a suitable electrical ground.**

Figure 1 - AC Voltage Switch



Not all fixtures have a voltage select switch. Please be sure to connect to the proper voltage.

## 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.
- This product is 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.
- 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.
- Make sure the power cord is not 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.



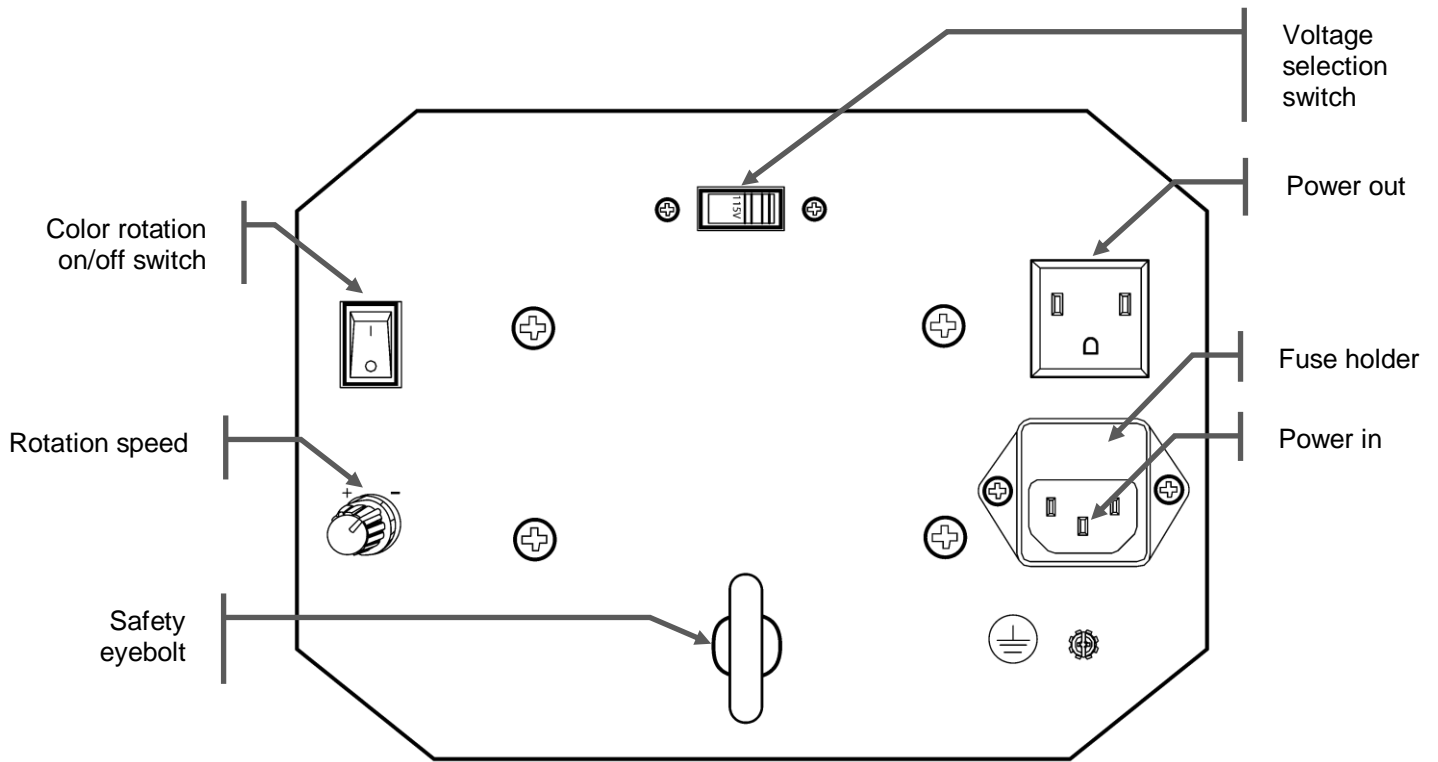
**There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs. In the unlikely event that your unit may require service, please contact CHAUVET at 954-929-1115.**

## 2. INTRODUCTION

### Features

- Simulated rippling water effect
- 4 constantly changing dichroic colors
- Stop effect on a color
- Adjustable ripple speed
- High-power, 22W (1,360mA) LED
- Additional power output: max 50 units @ 120V

# Product Overview



# 3. SETUP

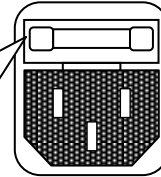
## Fuse Replacement



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

With a flat head screwdriver, wedge the fuse holder out of its housing. Remove the blown fuse from its holder and replace with the exact same type of 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

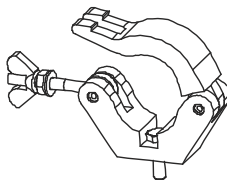
### Orientation

This fixture may be mounted in any safe position.

### Rigging

It is important never to obstruct the fan or vents pathway. Mount the fixture using, a suitable "C" or "O" type clamp. Adjust the angle of the fixture by loosening both knobs and tilting the fixture. After finding the desired position, retighten both knobs.

- When selecting an installation location, consider ease of -access to the unit for operation and routine maintenance.
- Always use safety cables.
- Never mount the unit in places where it may be exposed to rain, high humidity, extreme temperature changes or restricted ventilation.



*Hanging Clamp*



**The clamp is sold separately**

# 4. OPERATING INSTRUCTIONS

## Operation Modes

The unit operates in standalone mode. There is an on/off switch for the color rotation, as well as a rotation speed adjustment for the water effect.

CONTROL FUNCTION	DESCRIPTION
On/Off Switch	Turns the color rotation on/off (may stop at any position, including split colors)
Rotation speed knob	Adjusts the speed of the water effect from slow to fast

**Note!**                    *The on/off switch is only for color rotation. It will not turn off the fixture.*

**Note!**                    *At higher rotation speeds, the operation noise may increase from the fixture. This is normal.*

## General Troubleshooting

Symptom	Solution(s)	Applies to			
		Lights	Foggers & Snow	Controllers	Dimmers & Chaser
Beam is very dim or not bright	Clean optical system or replace lamp Check 230/115 V switch for proper setting	✓			
Breaker/Fuse keeps blowing	Check total load placed on device				✓
Device has no power	Check for power on Mains. Check device's fuse. (internal and/or external)	✓		✓	✓
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 1/4" jack, make sure a live audio signal exists Adjust sound sensitivity knob	✓		✓	✓
Moves slow	Check 230/115 V switch for proper setting	✓			

**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  
3000 North 29<sup>th</sup> Court  
Hollywood, FL 33020  
voice: 954.929.1115  
fax: 954.929.5560  
toll free: 800.762.1084

### *Technical Support*

CHAUVET  
3000 North 29<sup>th</sup> Court  
Hollywood, FL 33020  
voice: 954.929.1115 **(Press 4)**  
fax: 954.929.5560 **(Attention: Service)**

### *World Wide Web*

[www.chauvetlighting.com](http://www.chauvetlighting.com)

## 5. APPENDIX

### General Maintenance

To maintain optimum performance and minimize wear, fixtures should be cleaned frequently. Usage and environment are contributing factors in determining the cleaning 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 surfaces 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 an 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. As a suggestion, proper UPS packing or double-boxing is always a safe method to use. CHAUVET reserves the right to use its own discretion to repair or replace product(s).



**Once you have received the 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, any 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 during 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 ..... 12.8 in (326 mm)  
Width ..... 10.9 in (277 mm)  
Height ..... 9.5 in (241 mm)  
Weight ..... 9.1 lbs (4.1 kg)

## POWER

AC power ..... 115 VAC 60 Hz or 230 VAC 50 Hz  
Fuse ..... F2 A 250 V (5x20 mm fast-blow)  
Power Consumption ..... 34 W (0.4 A) max @ 120 V  
Inrush Current ..... (0.3 A) @ 120 V  
Power Consumption ..... 48 W (0.3 A) max @ 230 V  
Inrush Current ..... (0.5 A) @ 230 V  
Power Output ..... 50 units max @ 120 VAC, 100 units max @ 230 V

## LIGHT SOURCE

LED ..... 22W 1,360 mA (1 white) 50,000 hrs

## COVERAGE

Coverage angle ..... 46°

## THERMAL

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

## ORDERING INFORMATION

Abyss™ LED ..... ABYSSELED

## WARRANTY INFORMATION

Warranty ..... 1-year limited warranty