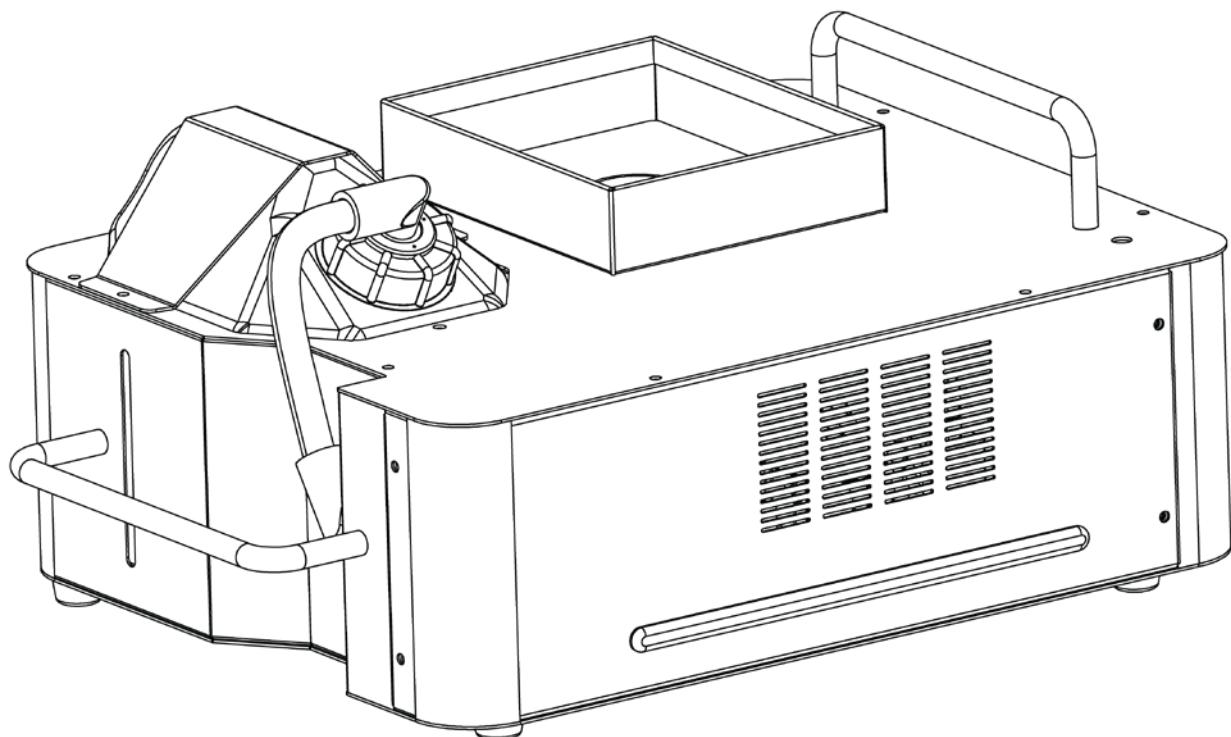


GEYSER™ RGB



User Manual



CHAUVENT
Value • Innovation • Performance
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1. BEFORE YOU BEGIN

What Is Included

- Geyser™ RGB
- Geyser™ RGB Wireless Remote Control
- Geyser™ RGB Wired Remote Receiver
- Power Cord
- Warranty Card
- Quick Reference Guide

Unpacking Instructions

Carefully unpack the product immediately and check the container to make sure all the parts are in the package and are in good condition.

Claims

If the box or the contents (the product and included accessories) appear damaged from shipping, or show signs of mishandling, notify the carrier immediately, not CHAUVET®. Failure to report damage to the carrier immediately may invalidate your claim. In addition, keep the box and contents for inspection.

For other issues, such as missing components or parts, damage not related to shipping, or concealed damage, file a claim with CHAUVET® within 7 days of delivery.

Text Conventions

Text	Convention	Meaning
	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
	Menu > Settings	A sequence of menu options to be followed
	<ENTER>	A key to be pressed on the product's control panel
	ON	A value to be entered or selected

Symbols

Symbols	Symbol	Meaning
		Critical installation, configuration, or operation information. Not following these instructions may make the product not work, cause damage to the product, or cause harm to the operator.
		Important installation or configuration information. The product may not function correctly if this information is not used.
		Useful information.

Disclaimer

The information and specifications contained in this User Manual are subject to change without notice. CHAUVET® assumes no responsibility or liability for any errors or omissions, and reserves the right to revise or recreate this manual at any time. Download the latest version from www.chauvetlighting.com.

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Electronically published by CHAUVET® in the United States of America.

Author	Date	Editor	Date
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Product at a Glance	Use on Dimmer	X	Auto Programs	P
	Outdoor Use	X	Fixed voltage (120 V or 230 V)	P
	Sound-Activated	X	Replaceable Fuse	P
	DMX	P	User-Serviceable	X
	Master/Slave	P	Duty Cycle	X

Safety Notes

These notes include important information about the mounting, usage, and maintenance of this product; read before using the product.



- Always connect the product to a grounded circuit to avoid the risk of electrocution.
- Always disconnect the product from the power source before cleaning or replacing the fuse.
- Avoid direct eye exposure to the light source while the product is on.
- Make sure the power cord is not crimped or damaged.
- Never disconnect the product from power by pulling or tugging on the cord.
- If mounting the product overhead, always secure to a fastening device using a safety cable.
- Make sure there are no flammable materials close to the product when operating.
- Do not touch the product's housing when operating because it may be very hot.
- Do not mount the product on a flammable surface (linoleum, carpet, wood, paper, carton, plastic, etc.)
- The product's nozzle is very hot during operation and it remains hot for a long time after operation has stopped.
- The fog exits the nozzle at a very high temperature. Keep a minimum distance of 6.5 ft (2 m) from the nozzle to the nearest object.
- Do not use the product as a space heater.
- Do not drink or become in contact with the fog fluid. If you do, call your local emergency service (911 in the US) for help.
- Do not add perfume, alcohol, gasoline, or any other flammables to the fog fluid.



- Always make sure that the voltage of the outlet to which you are connecting the product is within the range stated on the decal or panel of the product.
- The product is for indoor use only! (IP20) To prevent risk of fire or shock, do not expose the product to rain or moisture.
- Always install the product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
- Be sure that no ventilation slots on the product's housing are blocked.
- Make sure there is adequate fog fluid in the machine to prevent pump and heater damage.
- Never connect the product to a dimmer.
- Make sure to replace the fuse with another of the same type and rating.
- Never carry the product by the power cord or any moving part. Always use the handles.
- The maximum ambient temperature (Ta) is 104° F (40° C). Do not operate the product at higher temperatures.
- In the event of a serious operating problem, stop using the product immediately.
- Never try to repair the product. Repairs carried out by unskilled people can lead to damage or malfunction. Contact the nearest authorized technical assistance center.
- This product is not intended for permanent installation.
- Use only CHAUVET® water-based fog fluid.
- Drain the tank before transporting the product.



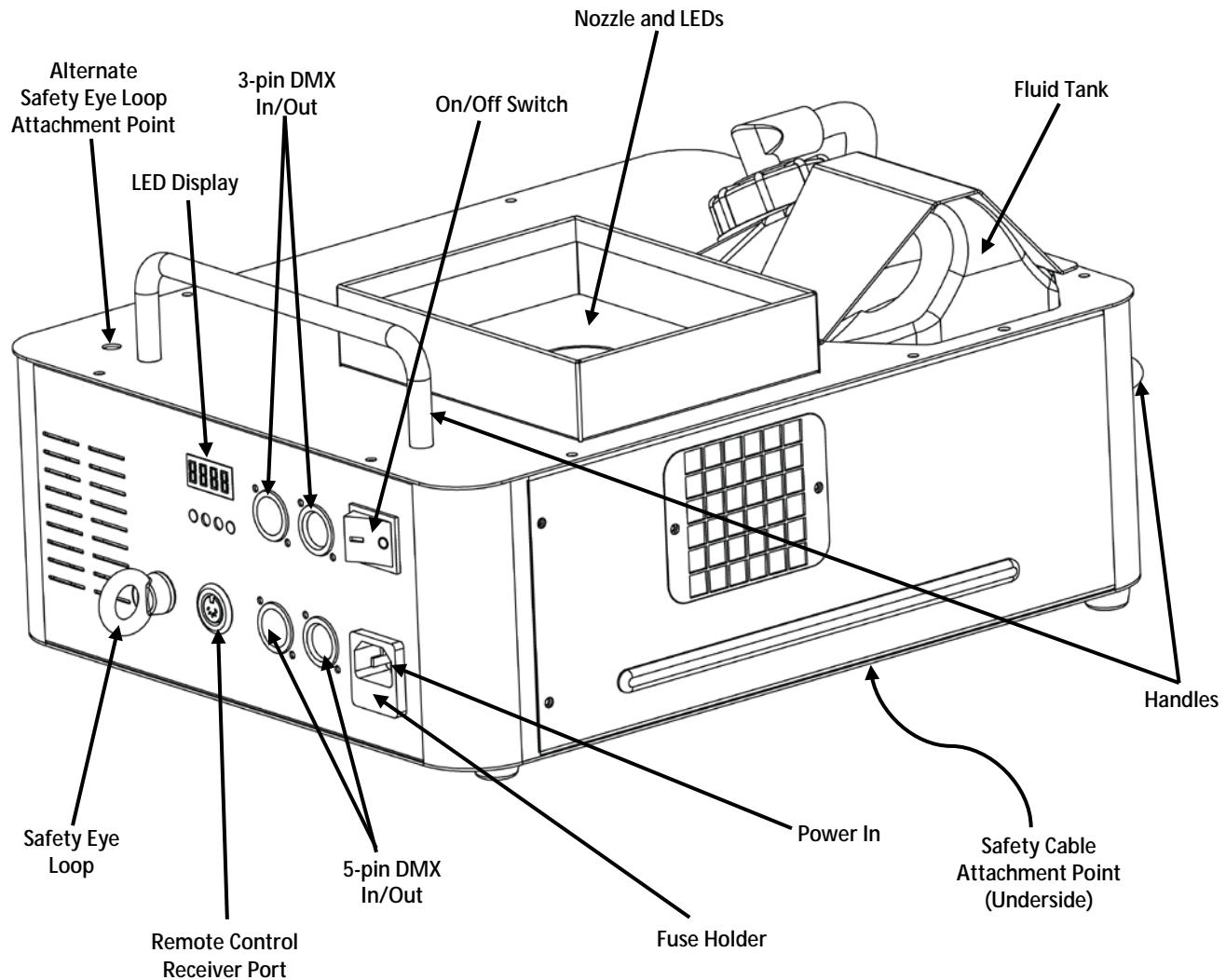
- Keep this User Manual for future use. If you sell the product to another user, be sure to give this document to the next owner.



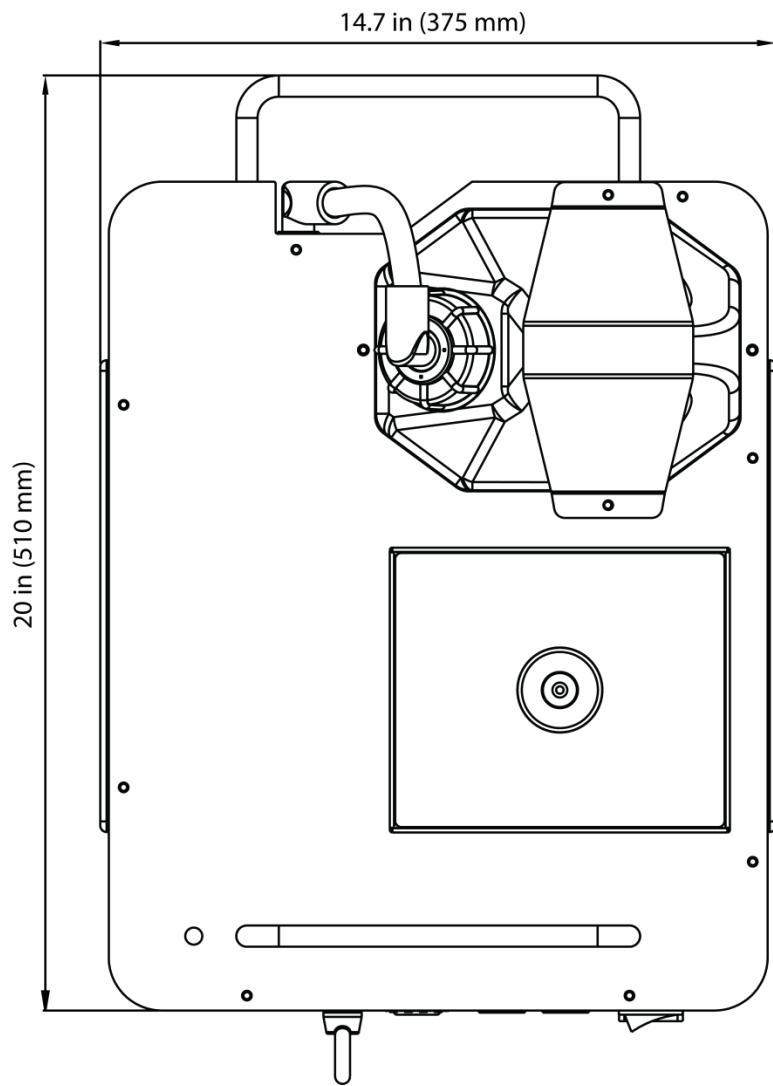
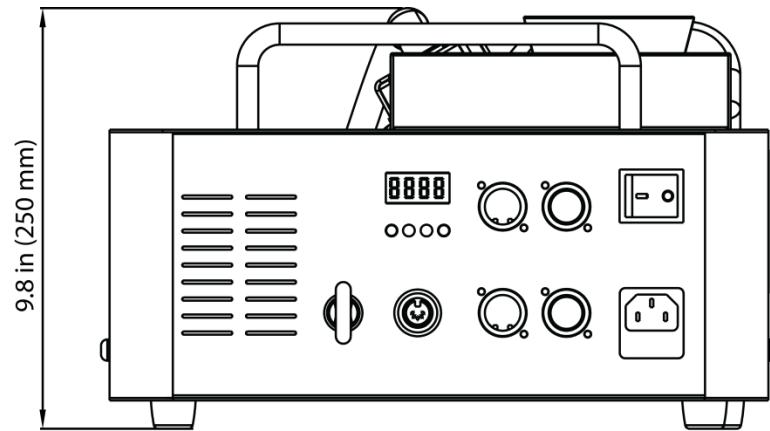
- Fog Cleaner Quart (FCQ) was specifically developed by CHAUVET® to clean your Geyser™ RGB. Make sure you use FCQ regularly to increase the life of your fogger.

2. INTRODUCTION

Overview



Dimensions



3. SETUP

AC Power

The Geyser™ RGB has a fixed voltage power supply and it can work with an input voltage of either 120 V, 60 Hz or 230 V, 50 Hz, depending on the specific model.

To determine the product's power requirements (circuit breaker, power outlet, and wiring), use the current value listed on the label affixed to the product's panel, or refer to the product's specifications chart. The listed current rating indicates the product's average current draw under normal conditions.



Always connect the product to a protected circuit (circuit breaker or fuse). Make sure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.



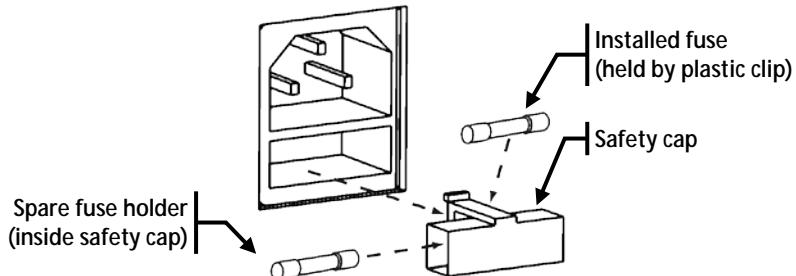
Never connect the product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0–100% switch.

Fuse Replacement



Disconnect the product from power before replacing the fuse.

1. Disconnect the product from power.
2. Wedge the tip of a flat-head screwdriver into the slot of the fuse holder.
3. Pry the fuse holder out of the housing.
4. Remove the blown fuse from the holder.
5. Replace with a fuse of the exact same type and rating.
6. Insert the fuse holder back in place and reconnect power.



A spare fuse is not included; however, the safety cap has room for a spare.



Always replace a blown fuse with another of the same type and rating.

Mounting

Before mounting the product, read and follow the safety recommendations indicated in the Safety Notes.

Orientation

Primarily, the Geyser™ RGB is to be floor mounted in a vertical fog jet orientation. The Geyser™ RGB may also be mounted in a floor mounting/vertical fog jet orientation or in an overhead mounting/downward fog jet orientation, but follow instructions closely to avoid tank spills.

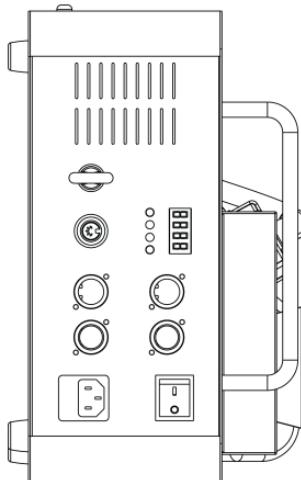


When mounting the Geyser™ RGB in any inverted position, remove the fluid tank from the holder and set it upright on an adjacent surface.

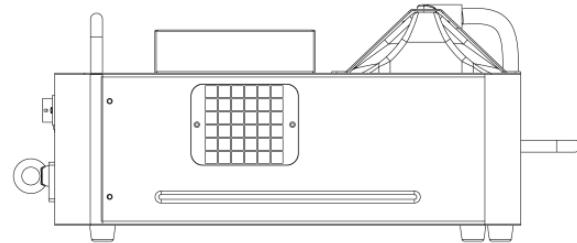
Rigging

- Before deciding on a location, always make sure there is easy access to the product for maintenance and fluid replenishment.
- Make sure that the structure or surface onto which you are mounting the product can support the product's weight (see the [Technical Specifications](#)).
- When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, such as an elevated platform or a truss.
- When rigging the product onto a truss, you should use mounting clamps of appropriate weight capacity. Three 13-mm holes are on the bottom of the product, which are appropriate for this purpose.
- The rubber feet also serve as floor supports. When mounting the product on the floor, make sure that the product and cables are away from people and vehicles.

Floor Mounting

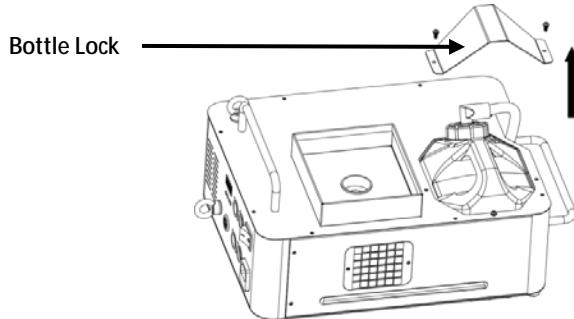


Floor Mounting
Horizontal Fog Jet

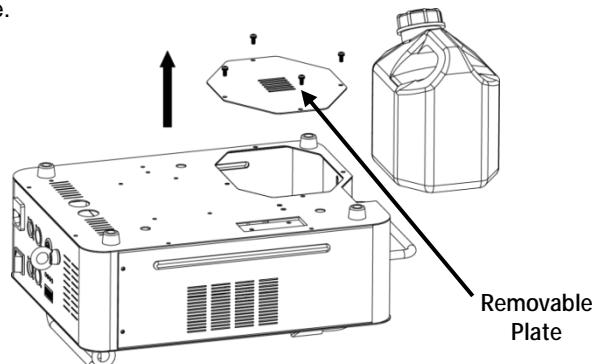


Floor Mounting – Vertical Fog Jet

1. Remove the screws and the bottle lock to take out the tank.

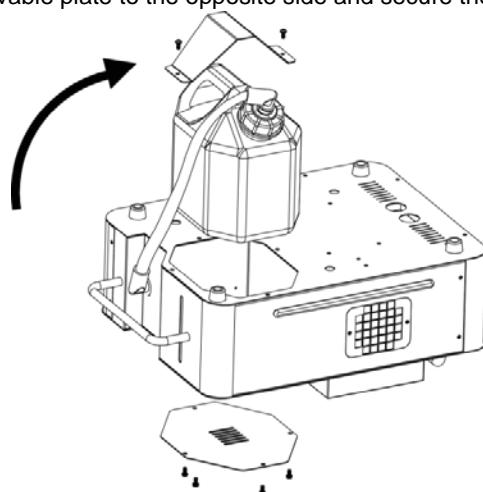


2. Turn the fog machine upside down and remove the screws to take off the removable plate.

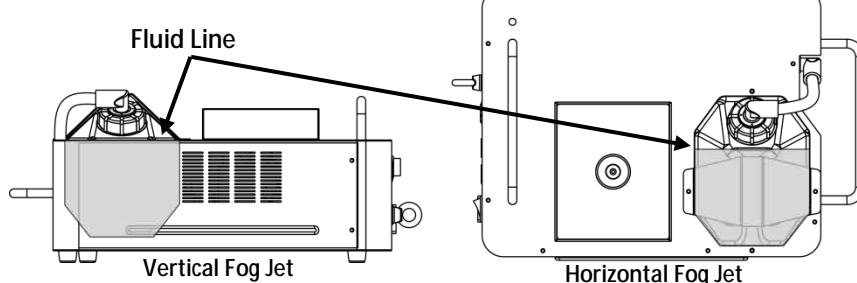


Tank Inversion for Inverted Mounting

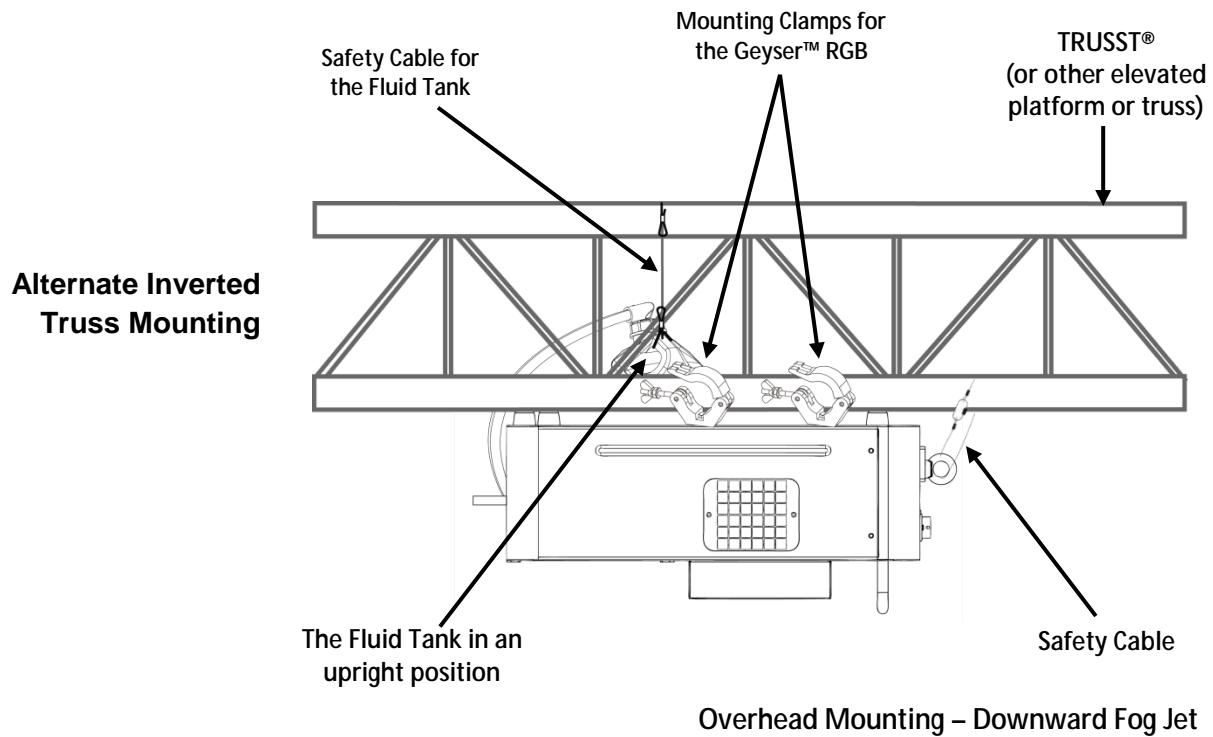
3. Attach the removable plate to the opposite side and secure the tank with the bottle lock.



Fluid Tank Position



To avoid spillage with any mounting, always position the fluid tank with the tank's cap in the uppermost position above the tank's fluid line.



With inverted mounting, avoid spillage of the fog fluid by setting the fluid tank in an upright position. Be sure to use a safety cable for both the Geyser™ RGB and the fluid tank when rigging in this manner.

4. OPERATION

Control Panel Operation

To access the control panel functions, use the four buttons located underneath the display.

Button	Function
<MENU>	Selects an operation mode or to backs out of the current menu option
p (<UP>)	Scrolls up the list of options or selects a higher value
q (<DOWN>)	Scrolls down the list of options or selects a lower value
<ENTER>	Activates a menu option or a selected value

Menu Map

Mode	Programming Steps	Description	
DMX Mode	Addr	1–512	Selects the DMX starting address
Color Program	CH-1–CH-4	oFF	Color program off (default)
		Co 1–Co 9	Selects preset colors
		rAnd	Selects random color program
Fluid Sensor	orL	on	Selects fluid sensor to on or off
		oFF	



The Geyser™ RGB Wireless Remote Control buttons 1–4 trigger the options set in the color programs CH-1–CH-4, respectively.

Configuration (DMX)

Set the product in DMX mode to control with a DMX controller.

1. Connect the product to a suitable power outlet.
2. Turn the product on.
3. Connect a DMX cable from the DMX output of the DMX controller to the DMX input socket on the product.

Starting Address

When selecting a starting DMX address, always consider the number of DMX channels the selected DMX mode uses. If you choose a starting address that is too high, you could restrict the access to some of the product's channels.

The Geyser™ RGB uses up to 8 DMX channels in its 8-Channel mode, which defines the highest configurable address to **505**.

If unfamiliar with DMX, download the DMX Primer from www.chauvetlighting.com.

To select the starting address, do the following:

1. Press <MENU> repeatedly until **Addr** shows on the display.
2. Press <ENTER>.
3. Use <UP> or <DOWN> to select the starting address.



HEAT shows on the display when you first turn the product on and intermittently during the heat-up time of the fog fluid; however, you can configure the product during this time.

DMX Channel Modes, Assignments, and Values

8-Channel	Channel	Function	Value	Setting
1	Fog		000 ÷ 009	No function
			010 ÷ 255	Fog on
2	Red		000 ÷ 009	No function
			010 ÷ 255	0-100%
3	Green		000 ÷ 009	No function
			010 ÷ 255	0-100%
4	Blue		000 ÷ 009	No function
			010 ÷ 255	0-100%
5	Color Mixing		000 ÷ 009	No function
			010 ÷ 255	Color mixing
6	Auto Speed		000 ÷ 009	No function
			010 ÷ 255	Speed, slow to fast
7	Strobe		000 ÷ 009	No function
			010 ÷ 255	Strobe, slow to fast
8	Dimmer		000 ÷ 009	No function
			010 ÷ 255	0-100%

Configuration (Standalone)

Set the product to Automatic mode to control without a DMX controller.

1. Connect the product to a suitable power outlet.
2. Turn the product on.



Never connect a product that is operating in any standalone mode to a DMX string connected to a DMX controller. Products in standalone mode may transmit DMX signals that could interfere with the DMX signals from the controller.

Wireless Remote Control

To trigger fog output and activate the color program using the wireless remote control, do the following:

1. Plug the wireless receiver into the Remote Control Receiver port on the side of the Geyser™ RGB.
2. On the wireless transmitter, press the button assigned to the color program (1–4). The Geyser™ RGB emits fog and activates the color program for as long as you hold down the button.

Note: If the color program is set to **oFF** for any trigger button, only fog output is triggered when that button is pressed.



There is no need to set the DIP switches on the remote control's receiver. These DIP switches are reserved for future use.

Programmable Color Selection

To select either the preset color program or one preset color to illuminate the fog using the wireless remote control, follow the instructions below:

1. Press **<MENU>** repeatedly until **CH-1-CH-4** shows on the display. Select **CH-1**, **CH-2**, **CH-3**, or **CH-4** to choose that color program.
Note: The color program numbers correspond with the numbered buttons on the wireless transmitter.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **rAnd** (for random colors) or **Co 1–Co 9** (to choose one of nine preset colors).
Note: Select **oFF** to turn off the color program for that button.
4. Press **<ENTER>**.
5. Repeat steps 1–4 to configure the other buttons.

5. TECHNICAL INFORMATION

Fogger Maintenance

Do not allow the fogger to become clogged. After every 40 hours of continuous operation, use CHAUVET® Fog Cleaner Quart (FCQ) through the system to prevent the accumulation of particulate matter in the heating element.

The recommended cleaning procedure is as follows.

1. Empty all fog fluid from the machine.
2. Add cleaning solution to tank.
3. Plug unit in and allow it to warm up.
4. Run the unit in a well-ventilated area until the tank is almost empty. **Do not allow the pump to run dry.**
5. Refill with fog fluid. Run the machine briefly to clear any cleaning solution from the pump and heater.



Fog Cleaner Quart (FCQ) was specifically developed by CHAUVET® to clean your Geyser™ RGB. Make sure you use FCQ regularly to increase the life of your fogger.

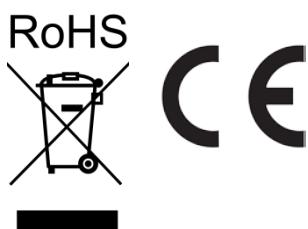
Storage

Before storing the product, run FCQ through the system as described in the cleaning procedure above. This will help to prevent any particles from condensing inside the pump or heater.

Test-run your Geyser™ RGB on a monthly basis to achieve the best performance.

6. TECHNICAL SPECIFICATIONS

Dimensions and Weight	Length	Width	Height	Weight		
	20 in (510 mm)	14.7 in (375 mm)	9.8 in (250 mm)	21 lbs (9.6 kg)		
Note: Dimensions in inches rounded to the nearest decimal digit.						
Power	Power Supply Type	Range	Voltage Selection			
	Model-specific	120 VAC, 60 Hz or 230 VAC, 50 Hz	Fixed			
	Parameter	120 V, 60 Hz	230 V, 50 Hz			
	Consumption	1500 W	1500 W			
	Operating/Inrush current	11.6 A/11.6 A	6.2 A/6.2 A			
	Fuse	F 15 A, 250 V	F 8 A, 250 V			
	Power I/O	US/Worldwide	UK/Europe			
	Power input connector	IEC	IEC			
	Power output connector	Edison	IEC			
	Power Cord plug	Edison (US)	Local plug			
Light Source	Type	Power	Lifespan			
	LED	3 W	50,000 hours			
	Color	Quantity	Current			
	Red	7	800 mA			
	Green	7	800 mA			
	Blue	7	800 mA			
Photo Optic	Parameter					
	Illuminance @ 2 m	4870 lx				
Operation/Capacity/Consumption	Heat-up Time	Tank Capacity	Fluid Consumption			
	4 min	0.66 gal (2.5 l)	8 min/1 l			
Misc.	Output					
	4000 cfm					
Thermal	Maximum External Temp.	Cooling System				
	104° F (40° C)	Convection				
DMX	I/O Connectors	Connector Type	Channel Range			
	3- and 5-pin XLR	Sockets	8			
Ordering	Product Name	Item Code	UPC Number			
	Geyser™ RGB	05070561	781462209094			
	Geyser™ RGB 220 V	05070567	781462209155			



To return a product or request support:

- In the U.S., contact CHAUVET® World Headquarters.
- In the UK or Ireland, contact CHAUVET® Europe Ltd.
- In any other country, DO NOT contact CHAUVET®. Contact your distributor. See www.chauvetlighting.com for distributors outside the U.S., United Kingdom, or Ireland.



If you live outside the U.S., United Kingdom, or Ireland, contact your distributor of record and follow their instructions on how to return CHAUVET® products to them. Visit our website for contact details.

Returns

Call the corresponding CHAUVET® Technical Support office and request a Return Merchandise Authorization (RMA) number before shipping the product. Be prepared to provide the model number, serial number, and a brief description of the cause for the return.

You must send the merchandise prepaid, in its original box, and with its original packing and accessories. CHAUVET® will not issue call tags.

Clearly label the package with the RMA number. CHAUVET® will refuse any product returned without an RMA number.



Write the RMA number on a properly affixed label. DO NOT write the RMA number directly on the box.

Before sending the product, clearly write the following information on a piece of paper and place it inside the box:

- Your name
- Your address
- Your phone number
- The RMA number
- A brief description of the problem

Be sure to pack the product properly. Any shipping damage resulting from inadequate packaging will be your responsibility. FedEx packing or double-boxing are recommended.



CHAUVET® reserves the right to use its own discretion to repair or replace returned product(s).

Contact Us

World Headquarters

CHAUVET®

General Information

Address: 5200 NW 108th Avenue
Sunrise, FL 33351
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Toll free: (800) 762-1084

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World Wide Web

www.chauvetlighting.com

United Kingdom & Ireland

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