Vesuvio II

User Manual

CHAUVET
PROFESSIONAL

Edition Notes

The Vesuvio II User Manual includes a description, safety precautions, installation, programming, operation and maintenance instructions for the Vesuvio II as of the release of this edition.

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Document Printing

For best results, print this document in color, on letter size paper (8.5 x 11 in), double-sided. If using A4 paper (210 x 297 mm), configure the printer to scale the content accordingly.

Intended Audience

Any person installing, operating, and/or maintaining this product should completely read through the guide that shipped with the product, as well as this manual, before installing, operating, or maintaining this product.

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Document Revision

Go to www.chauvetprofessional.com for the latest version.

Revision	Date	Description
4	05/2025	Updated format. Added atmospheric statement to Maintenance.

TABLE OF CONTENTS

1. Before You Begin
What Is Included
- Vesuvio II
- Seetronic Powerkon IP65 power cord
- Omega Brackets (x2)
- Quick Reference Guide

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

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 a 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.

Manual Conventions

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
<ENTER>	A key to be pressed on the product's control panel

Symbols

Symbol	Meaning
⚡	Electrical warning. Not following these instructions may cause electrical damage to the product, accessories, or the user.
⚠	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.

⚠ **Any reference to power connections in this manual assumes the use of Seetronic IP rated cables.**

📝 **The term "DMX" used throughout this manual refers to the USITT DMX512-A digital data transmission protocol.**
Connection of the control signal: DMX line
- **The product has XLR sockets for DMX input and output.**
- **Notice: This control circuit is isolated and belongs to the Class 2 data port.**
The control circuit has a cumulative leakage current of less than 3.5 mA.

Safety Notes

Read all the following safety notes before working with this product. These notes contain important information about the installation, usage, and maintenance of this product.

⚠️ **This product contains no user-serviceable parts. Any reference to servicing in this User Manual will only apply to properly trained, certified technicians. Do not open the housing or attempt any repairs.**

ⓘ **All applicable local codes and regulations apply to proper installation of this product.**

- The luminaire is intended for professional use only.
- The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 3.28 ft (1 m) is not expected.
- If the external flexible cable or cord of this luminaire is damaged, it shall be replaced by a special cord or cord exclusively available from the manufacturer or its service agent.
- **CAUTION:**
    - This product's housing may be hot when operating. Mount this product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
    - When transferring the product from extreme temperature environments, (e.g., cold truck to warm humid ballroom) condensation may form on the internal electronics of the product. To avoid causing a failure, allow the product to fully acclimate to the surrounding environment before connecting it to power.
    - Flashing light is known to trigger epileptic seizures. User must comply with local laws regarding notification of strobe use.
- **ALWAYS:**
    - Disconnect from power before cleaning the product or replacing the fuse.
    - Use a safety cable when mounting this product overhead.
    - Connect this product to a grounded and protected circuit.
    - Drain the tank before transporting the product.
- **DO NOT:**
    - Open this product. It contains no user-serviceable parts.
    - Look at the light source when the product is on.
    - Leave any flammable material within 50 cm of this product while operating or connected to power.
    - Connect this product to a dimmer or rheostat.
    - Operate this product if the housing, hoses, fluid tank, or cables appear damaged.
    - Operate this product outdoors or in any location where dust, excessive heat, water, or humidity may affect it (adhere to standards for the published IP rating).
    - Use for space-heating purposes.
    - Touch the output nozzle on this product. It is very hot during operation, and it may remain hot for several hours after turning the product off.
    - Add anything to the fluid.
    - Drink the fluid.
    - Allow the fluid to contact skin or eyes.
- ONLY use the handles to carry this product.
- ONLY use Chauvet fluids.
- Depending on the amount of fog/haze generated, all fog/haze machines may set off smoke detectors.
- The maximum ambient temperature is 113 °F (45 °C). Do not operate this product at higher temperatures.
- The minimum ambient temperature is -4°F (-20°C). Do not operate the product at lower temperatures.
- To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.
- In the event of a serious operating problem, stop using immediately

📝 **If the Chauvet product requires service, contact Chauvet Technical Support.**

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2. Introduction

Features

- Advanced red, green, blue, amber, and UV (RGBA/UV) LED color mixing
- 40 second continuous bursts of fog, for intense effects and performance
- New dual LED sections give better plume illumination and dual zone color control
- 40,000 CFM fog output for intense, large effects
- 2.5 l fluid tank for reliability in production
- Strong, sturdy construction for numerous production types
- DMX control for ease of use in production situations
- 3- and 5-pin DMX input/output connections

Product Overview

Overview 1
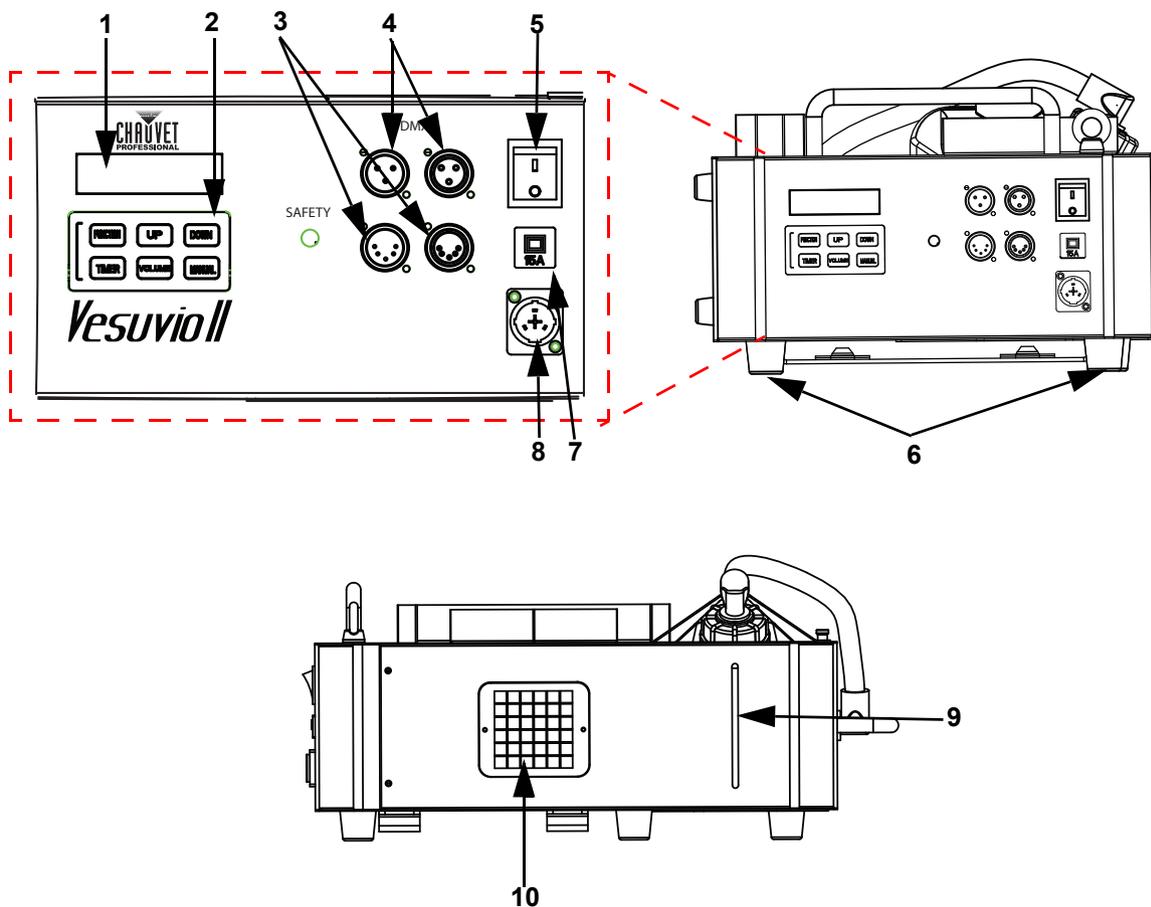
#	Name	#	Name
1	LCD display	6	Rubber feet (x4)
2	Menu buttons	7	Breaker
3	5-pin in/out	8	Power in
4	3-pin in/out	9	Fluid level indicator
5	Power switch	10	Air intake vent

Overview 2
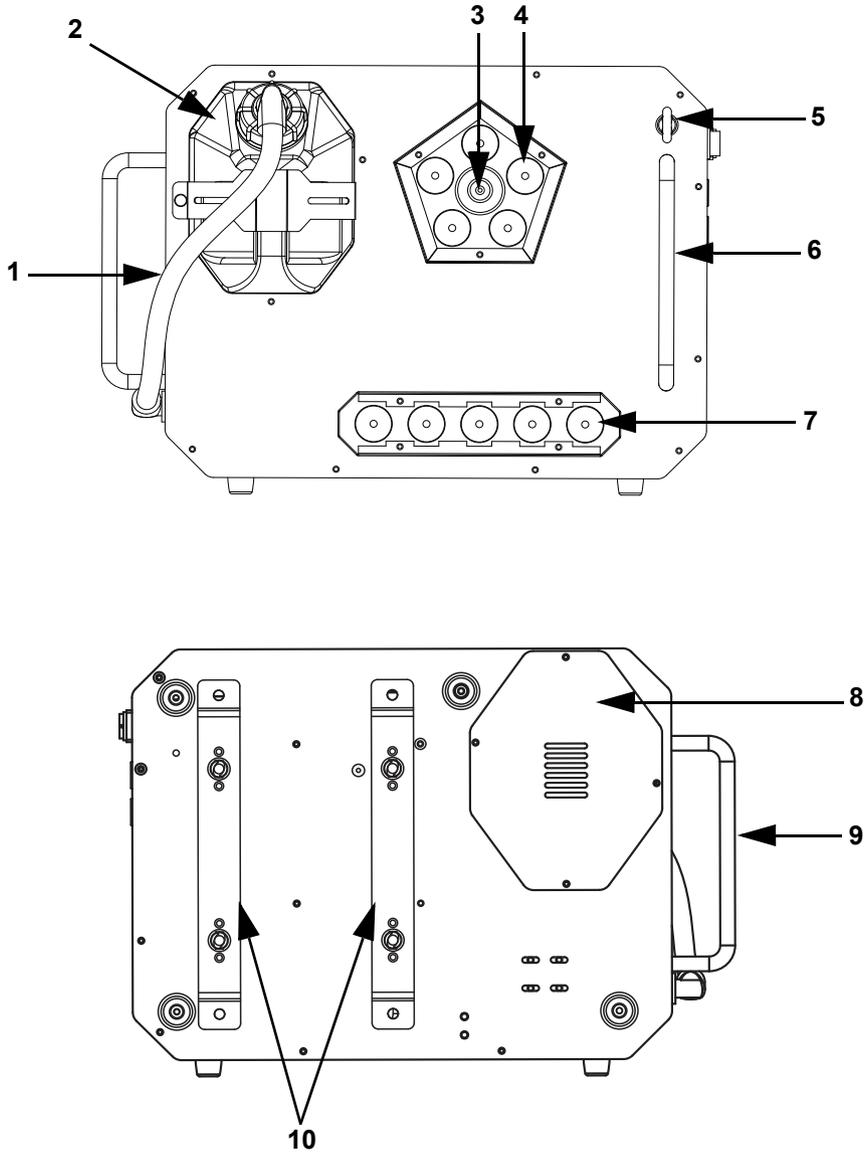
#	Name	#	Name
1	Fluid hose	6	Handle
2	Fluid tank	7	LED color zone 2
3	Fog output	8	Fluid tank plate
4	LED color zone 1	9	Side handle
5	Safety loop	10	Mounting bracket

Product Dimensions

9.39 in
239 mm

19.49 in
495 mm

13.18 in
335 mm
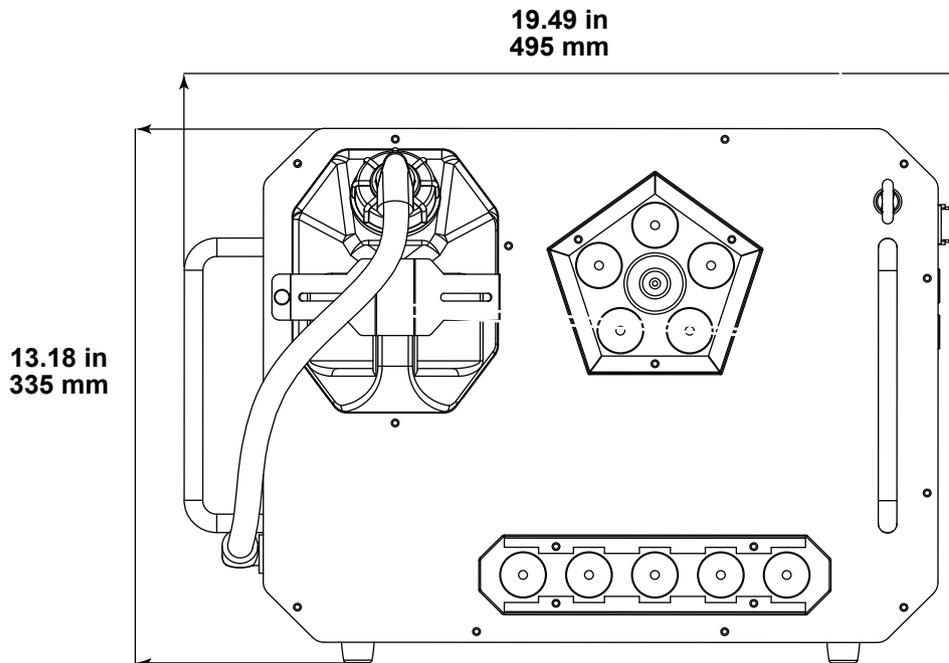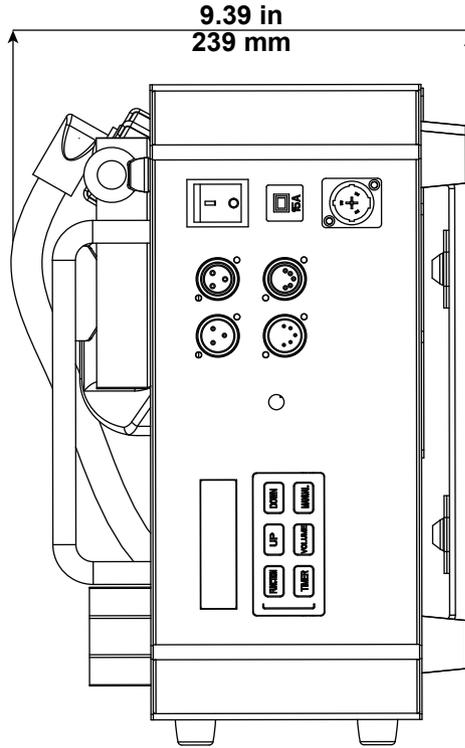
3. Setup

AC Power

Each Vesuvio II has a fixed power supply that works with an input voltage of either 120 VAC, 60 Hz or 230 VAC, 50 Hz, depending on the specific model. To determine the power requirements for each Vesuvio II, refer to the label affixed to the product, or refer to the Technical Specifications chart in this manual.

The listed current rating indicates the maximum current draw during normal operation. For more information, download Sizing Circuit Breakers from the Chauvet website: www.chauvetprofessional.com.

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> ⚠ • **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.**
> • **To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.**

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

AC Plug

The Vesuvio II comes with a power input cord terminated with a Seetronic Powerkon IP65 connector on one end and an Edison plug on the other end (U.S. market). If the power input cord that came with the product has no plug, or if it is necessary to change the plug, use the table below to wire the new plug.

Connection	Wire (U.S.)	Wire (Europe)	Screw Color
AC Live	Black	Brown	Yellow or Brass
AC Neutral	White	Blue	Silver
AC Ground	Green/Yellow	Green/Yellow	Green

Resetting the Breaker

This product is equipped with a resettable circuit breaker. If the breaker trips, all sections of this product will lose power.

1. Remove the power cord from main power.
2. Allow unit to cool for 15 minutes.
3. After 15 minutes, user may attempt to reset the breaker by pressing the button with their finger.
4. Plug the product's power cord into the power outlet and continue using as recommended.

DMX Linking

The Vesuvio II can link to a DMX controller using a 3-pin or 5-pin DMX connection. If using other compatible products with this product, it is possible to control each individually with a single controller.

DMX Personalities

The Vesuvio II uses a 3- or 5-pin DMX data connection for the 15-channel DMX personality.
- Refer to the Introduction for a brief description of each DMX personality.
- Refer to the Operation chapter to learn how to configure the Vesuvio II to work in these personalities.
- The DMX Values section provides detailed information regarding the DMX personalities.

> 📝 **If the user is not familiar with or needs more information about DMX standards, Master/Slave connectivity, or the DMX cables needed to link this product to a DMX controller, download the DMX Primer from the Chauvet website: www.chauvetprofessional.com.**

Mounting

Before mounting the product, read and follow the safety recommendations indicated in the Safety Notes. For our Chauvet Professional line of mounting clamps, go to http://trusst.com/products/.

Orientation

Always mount this product in a safe position, making sure there is adequate room for ventilation, configuration, and maintenance. The Vesuvio II should be suspended upright or upside down using the 2 Omega brackets included, or it can be placed on its rubber feet on a flat level surface.

Chauvet recommends using the following general guidelines when mounting this product:

- Before deciding on a location for the product, make sure there is easy access to the product for maintenance and programming purposes.
- Make sure that the structure and attachment points can support the weight before hanging the product (see the Technical Specifications for weight information).
- When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, whether an elevated platform or a truss.
- When rigging the product onto a truss, use a mounting clamp of appropriate weight capacity.
- The bracket adjustment knobs allow for directional adjustment when aiming the product to the desired angle. Only loosen or tighten the bracket knobs manually. Using tools could damage the knobs.

Procedure

The Vesuvio II comes with two Omega brackets. The user can directly attach a mounting clamp (sold separately) to these Omega brackets. Make sure the clamps are capable of supporting the weight of this product. Use at least one mounting point per product. For the Chauvet Professional line of mounting clamps, go to http://www.trusst.com/products.

Mounting Diagram

Fluid Tank Plate

Screws (x4)

Omega Bracket Placement Options

Fluid Tank Reversed

Mounting Clamps

Downwards Fog Output

Omega Bracket (x2)

Safety Cables
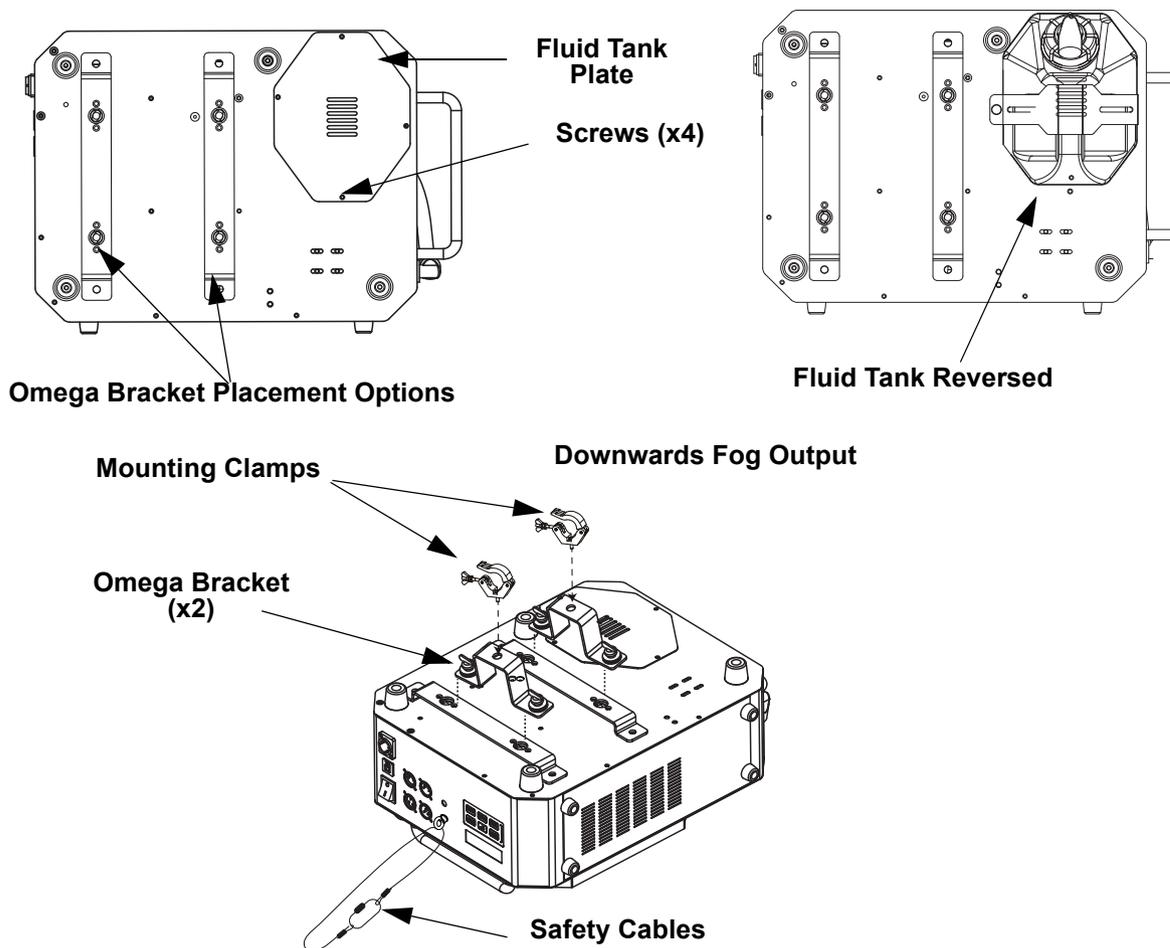
Surface Mounting

Horizontal Fog Output

Safety Cables

Omega Bracket (x2)

Rubber Feet (x4) for floor mounting (horizontal fog output)

Mounting Clamp
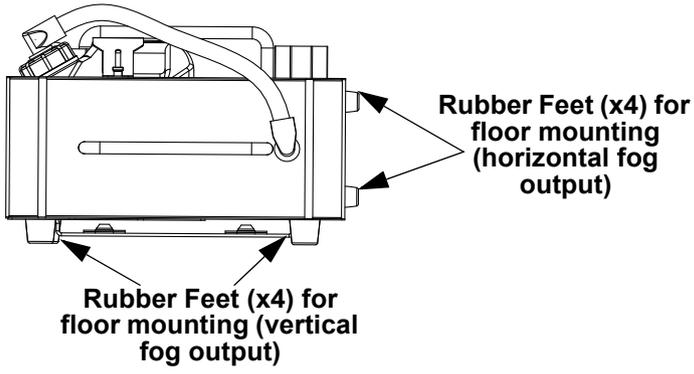
Rubber Feet (x4) for floor mounting (vertical fog output)
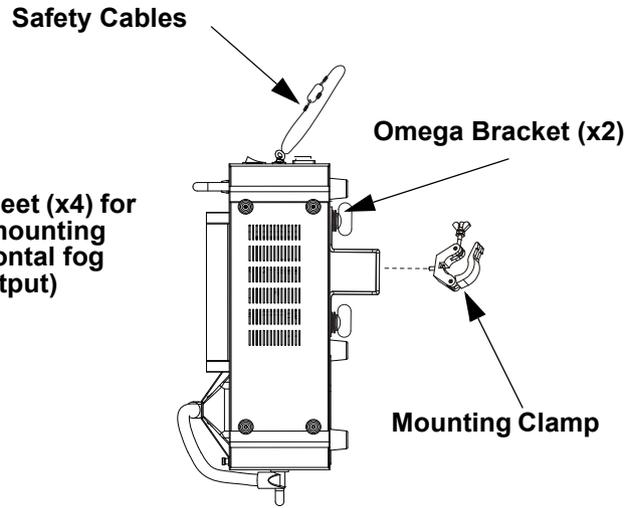
Tank Inversion

To avoid leaking, invert the fluid tank when mounting this product in an inverted position.

1. Remove the screws and bottle lock to take out the tank.
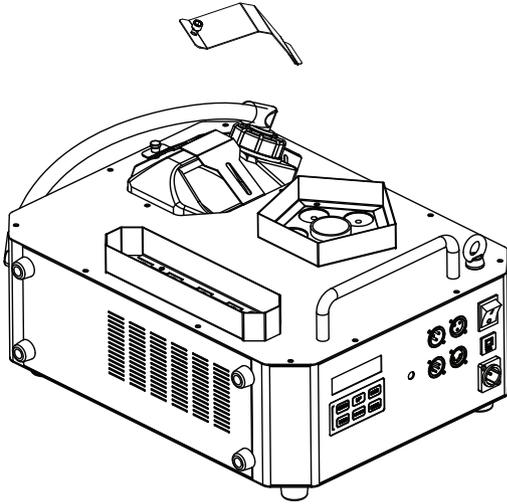
2. Turn the fog machine upside down and remove the screws to take off the removable plate.
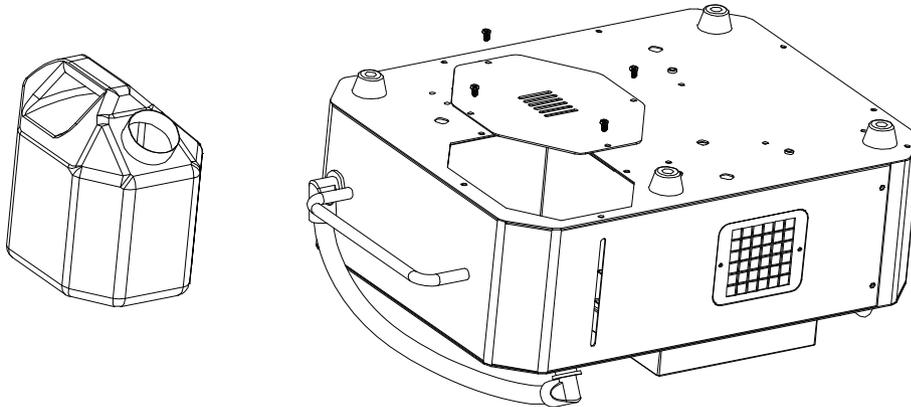
3. Attach the removable plate to the opposite side and secure the tank with the bottle lock.
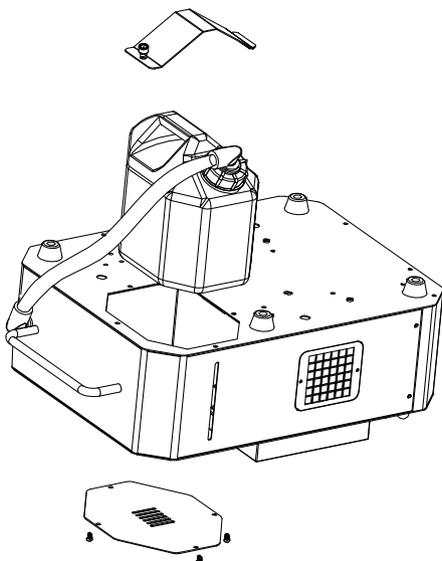
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Preparing for Operation

To prepare the Vesuvio II for operation:

1. Pull out the fluid tank and remove the cap.
2. Verify that the two plastic hoses attached to the inside of the cap are in place and in good condition.
3. Pour Chauvet (QDF) fog fluid inside the tank, and re-cap.
4. Reinsert the tank.
5. Make sure that the plastic hose that goes from the cap to the fogger is not bent.
6. Plug in power and wait approximately 30 seconds for warm-up to complete.

ⓘ **Only use Chauvet approved (QDF) fog fluid. Use of any other fluid might not have satisfactory results. In addition, unapproved fluid can damage the Vesuvio II by causing the heater element to become clogged, and may also cause harm to humans or animals. This may void the warranty.**

4. OPERATION

Control Panel Operation

BUTTON	FUNCTION
<FUNCTION>	Enters the programming mode
<UP>	Navigates upwards through the menu list and increases the numeric value when in a function
<DOWN>	Navigates downwards through the menu list and decreases the numeric value when in a function
<TIMER>	Starts the timer controlled operation
<VOLUME>	Controls the output as a switch. Press once for full output and press again to turn off
<MANUAL>	Manual fog output

Control Options

Set the Vesuvio II starting address in the 001-512 DMX range. This enables control of up to 34 products in the 15-channel personality.

Programming

Refer to the Menu Map to understand the menu options. The menu map shows the main level and a variable number of programming levels for each option.
- To go to the desired main level, press **<FUNCTION>** repeatedly until the option shows on the display.
- To select an option or value within the current programming level, press **<UP>** or **<DOWN>** until the option shows on the display. Either the selected value or the first option for another programming level will appear on the display.
- Press **<FUNCTION>** repeatedly to exit to the previous main level.

Menu Map

Main Level	Programming Levels	Description
Interval Set	**10-200 Seconds**	Sets the interval between fog output
Duration Set	**1-10 Seconds**	Sets the duration of the fog output
Color	**OFF**	No color output
	1	Red
	2	Green
	3	Blue
	4	Amber
	5	Ultraviolet
	6	Hot pink
	7	Magenta
	8	Yellow
	9	Cyan
	10	White
	11	Zone 1 red, zone 2 green
	12	Zone 1 red, zone 2 blue
	13	Zone 1 green, zone 2 red
	14	Zone 1 green, zone 2 blue
	15	Zone 1 blue, zone 2 red
	16	Zone 1 blue, zone 2 green
	17	Zone 1 magenta, zone 2 amber
	18	Zone 1 magenta, zone 2 blue
	19	Zone 1 amber, zone 2 magenta
	20	Zone 1 blue, zone 2 hot pink
	21	Random color output
DMX	**001-512**	Selects the DMX starting address

Color Zones

Color Zone 1

Color Zone 2
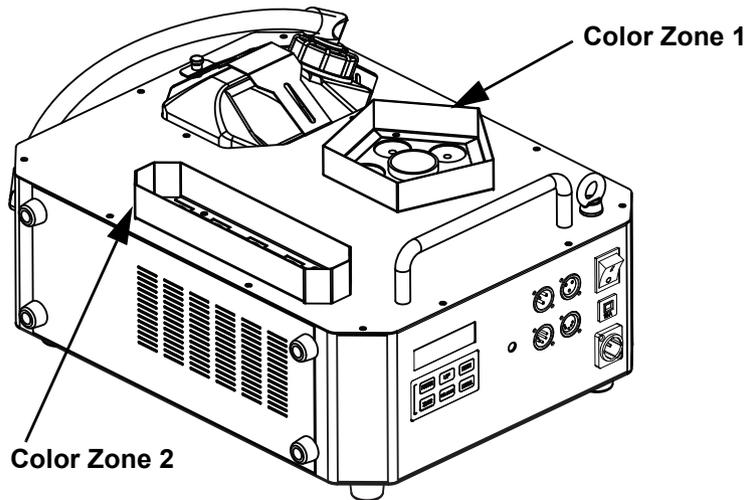
DMX Configuration

Use DMX configurations to operate the product with a DMX controller.

DMX Control

In this mode, each product will respond to a unique starting address from the DMX controller. All products with the same starting address will respond in unison.

1.   Go to **DMX Add.** main level.
2.   Select the starting address (**001**–**512**).

Setting the LED Color

To adjust the color of the LEDs, do the following:

1.   Press **<FUNCTION>** repeatedly until **Color** shows on the display.
2.   Use **<UP>** or **<DOWN>** to select the desired color (**1–21**).

Standalone Configuration

Use standalone configuration to operate the product without a DMX controller.

Interval

1.   Go to **Interval Set** main level
2.   Select the desired speed (**10-200**)

Duration

1.   Go to the **Duration Set** main level
2.   Select how long the fog flow will last (**1-10**)

Timer Mode

When in Timer mode, the Vesuvio II will produce fog and light in pre-configured time intervals defined by the Interval Set and Duration Set menu options. See the Timer Mode Parameters section for details about how to configure these parameters. To operate in Timer mode, do the following:

1.   Press **<TIMER>** and the display will show a countdown of the interval timer.
2.   When the counter reaches zero (**0**), the Vesuvio II will start producing haze and light.
3.   The haze and light output duration during Timer mode is set by the Duration Set menu option.
4.   The color of the LEDs is set using the Color menu option.
5.   This cycle will repeat itself until **<TIMER>** is pressed again or until the Vesuvio II runs out of fluid.

Manual Mode

In the Manual mode, the Vesuvio II will output fog and light for as long as **<MANUAL>** remains pressed. The output volume will be at 100% full fog and light output.

•   Press **<MANUAL>**.

Timer Mode Parameters

These parameters determine the intervals for the Vesuvio II while in Timer mode. To configure these parameters do the following:

1. Press **<FUNCTION>** repeatedly until **Interval Set** shows on the display.
2. Use **<UP>** or **<DOWN>** to select the time in seconds (**10–200s**) between fog and light output.
3. Press **<FUNCTION>** repeatedly until **Duration Set** shows on the display.
4. Use **<UP>** or **<DOWN>** to select the time in seconds (**1–10s**) for the duration of the fog and light output.

DMX Channel Assignments and Values

15CH

Channel	Function	Value	Percent/Setting
1	Fog	000 ⇔ 009	No function
		010 ⇔ 255	Fog on
2	Red zone 1	000 ⇔ 014	No function
		015 ⇔ 255	0-100%
3	Green zone 1	000 ⇔ 014	No function
		015 ⇔ 255	0-100%
4	Blue zone 1	000 ⇔ 014	No function
		015 ⇔ 255	0-100%
5	Amber zone 1	000 ⇔ 014	No function
		015 ⇔ 255	0-100%
6	UV zone 1	000 ⇔ 014	No function
		015 ⇔ 255	0-100%
7	Red zone 2	000 ⇔ 014	No function
		015 ⇔ 255	0-100%
8	Green zone 2	000 ⇔ 014	No function
		015 ⇔ 255	0-100%
9	Blue zone 2	000 ⇔ 014	No function
		015 ⇔ 255	0-100%
10	Amber zone 2	000 ⇔ 014	No function
		015 ⇔ 255	0-100%
11	UV zone 2	000 ⇔ 014	No function
		015 ⇔ 255	0-100%
12	Color Mixing	000 ⇔ 009	No function
		010 ⇔ 255	Color Mixing
13	Auto Speed	000 ⇔ 009	No function
		010 ⇔ 255	Speed, slow to fast
14	Strobe	000 ⇔ 009	No function
		010 ⇔ 255	Speed, slow to fast
15	Dimmer	000 ⇔ 014	No function
		015 ⇔ 255	0-100%

5. Maintenance

Fog Machine Maintenance

Proper maintenance of Chauvet atmospheric products will increase the reliability and lifespan of products. Maintenance should be completed every 30-90 days, depending on how frequently products are used.

- **When performing maintenance, use Chauvet Fog Cleaner Quart (FCQ) for U.S., or cleaning Fluid 250 (CF250) for EU products. Run the fluid through the system to reduce the accumulation of particulate matter in the heating element.**
- **DO NOT allow the atmospheric product to become clogged. Once a product is clogged, the cleaning procedure is unlikely to effectively clear the clog.**

The recommended cleaning procedure is as follows:

1. Unplug the product from power.
2. Remove the hose from the fluid tank/reservoir. Remove the FCQ/CF250 screw cap and place the hose in the Fog Cleaner bottle.
3. Connect the product to power and allow it to warm up (if not already warmed up).
4. Run the FCQ/CF250 through the product in a well-ventilated area for 60-90 seconds of continuous, full output. Some products require multiple cycles to achieve this.

DO NOT allow the product to run dry!

5. Move the hose from the FCQ/CF250 to a small bottle with distilled water (only use distilled water, not tap or any other water or liquid). Run distilled water through the product for at least 30 seconds to clear any remaining cleaning solution from the pump and heater.

- **Turn off the product when not in use or when storing.**
- **DO NOT leave the cleaning solution in the product.**
- **DO NOT operate the product without fluid at any time.**
- **DO NOT leave Chauvet atmospheric fluid in the product tank/reservoir for more than 10 days without use.**

Fog Cleaner Quart (FCQ) and Cleaning Fluid 250 (CF250) were specifically developed by Chauvet to clean Chauvet atmospheric products equipped with heaters. Use FCQ/CF250 regularly, no longer than 90 days between cleanings (30-60 days if the product is used more frequently), to prevent shortening the life of the product.

Storage

Before storing the Chauvet atmospheric product, run FCQ/CF250 through the system as described in the cleaning procedure above and do not refill the tank with atmospheric fluid before storing the product.

Test-run the Chauvet atmospheric products monthly to achieve the best performance.

Chauvet does not guarantee products will withstand storage for long durations, even if the cleaning process is followed. Please use caution and test regularly to ensure the product continues to function properly.

6. Technical Specifications

Dimensions and Weight: Dimensions in inches rounded to the nearest decimal digit.

Length	Width	Height	Weight
19.49 in (495 mm)	13.18 in (335 mm)	9.39 in (239 mm)	28.4 lb (12.9 kg)

Power

Power Supply Type	Range	Voltage Selection
Model-specific	120 VAC, 60 Hz 230 VAC, 50 Hz	Fixed

Parameter	120 V, 60 Hz	230V, 50 Hz
Consumption	1,480 W	2,880 W
Operating Current	12.55 A	12.55 A
Breaker	15 A, 250V	15 A, 250V

Power I/O	U.S./Worldwide	UK/Europe
Power input connector	Seetronic Powerkon IP65	Seetronic Powerkon IP65
Power Cord plug	Edison (U.S.)	Local Plug

Operation/Capacity/Consumption

Heat-up Time	Tank Capacity	Fluid Consumption
10 min	0.7 gal (2.5 l)	80 ml/min

Output	Maximum Run Time (1hr)	Maximum Run Time (2hr)	Maximum Run Time (1hr)
40,000 CFM	40s bursts, 1m intervals	40s bursts, 2m intervals	40s bursts, 3m intervasl

Light Source

Type	Color	Quantity	Power	Current	Lifespan
LED	RGBA+UV	10	8.5 W	3 A	50,000

Photometrics

Illuminance @ 5 m (Zone 1)	Illuminance @ 5 m (Zone 2)	Strobe Rate
199.5 lux	154 lux	0 to 20 Hz

Thermal

Maximum External Temperature	Cooling System
113 °F (45 °C)	Convection

DMX

I/O Connector	Channel Range
3-or 5-pin XLR	15

Ordering

Product Name	Item Name	Item Code	UPC Number
Vesuvio II	VESUVIOII	05341394	781462217426
Vesuvio II 220V	220VVESUVIOII	05341395	781462217433

RoHS

CE

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Warranty & Returns

For warranty terms and conditions and return information, please visit our website.

For customers in the United States and Mexico: www.chauvetlighting.com/warranty-registration.

For customers in the United Kingdom, Republic of Ireland, Belgium, the Netherlands, Luxembourg, France, and Germany: www.chauvetlighting.eu/warranty-registration.