

Acue[®]Lighting

PROFESSIONAL STAGE LIGHTING



USER MANUAL

1. INTRODUCTION

Thank you for choosing the Acue Lighting Volcano Jr vertical fog machine. To use this product correctly and safely, please read the instructions carefully before installing and using this product. This manual contains important installation and operation information. Make sure to strictly follow the instructions when installing and operating this product. Retain this manual in a safe place for future reference.

The Volcano Jr uses a high-temperature resistant metal and plastic body. This product is designed and produced in strict accordance with CE standards and conforms to the international standard of DMX512 signal protocol. It can be controlled manually from the display or by DMX using the built in 3 pin XLR in/out connectors. This fixture has multiple DMX channel modes to choose from. It is suitable for various types of concerts, theaters, studios, nightclubs, bars and other like environments.

2. SAFETY INSTRUCTIONS

- Please keep this User Manual for future reference. All users of this fixture must read the user manual thoroughly.
- Unpack and check contents carefully to make sure there is no damage caused by shipping before using the unit.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.
- It's important to properly ground the fixture to avoid electric shock.
- The unit is for indoor use only. Use only in a dry location.
- 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.
- Disconnect main power input before moving fixture.
- Make sure there are no flammable materials close to the unit while operating as it is fire hazard.
- Use safety cable when mounting this unit.
- Maximum ambient operating temperature is: 40°C. Do not operate if the temperature is higher than this.
- Unit surface temperature may reach up to 85°C. Do not touch the housing bare-handed during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.

- 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 individuals can lead to further damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type Spare parts.

3. Maintenance and Installation

3.1 Maintenance

- To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
- Intermittent usage will extend this fixtures service life.
- Please clear the fan, fan net, and optical lens of any dust or obstructions in order to keep the fixture in a proper working state.
- Do not use alcohol or any other organic solvent to wipe the shell.

3.2 Statement

All fixtures have been tested thoroughly before leaving the factory. In order to keep the product in good condition and ensure safe operation, users should follow the safety precautions and warnings in this manual.

Important: Damages caused by not following the guidelines in this user manual are not covered under warranty. The manufacturer is not responsible for product issues caused by misuse.

3.3 Safety Precaution

- In order to guarantee the product's life expectancy, do not store or use in damp places or environments over 60° C.
- Always mount this unit in a safe and stable manner. Mounting system must be able to withstand 10x that of the fixture's weight. A safety cable must always be used as a secondary source for securing the fixture.
- Installation of this fixture must be carried out by a skilled individual.
- This product can be used in the voltage range of 110-120V and is an indoor product. Please make sure that the power mains voltage used is not higher/or lower than what the product can withstand! The power plug must be inserted into a protected Class I socket and must be grounded properly.
- In order to make sure the product is used properly, please read this manual carefully.

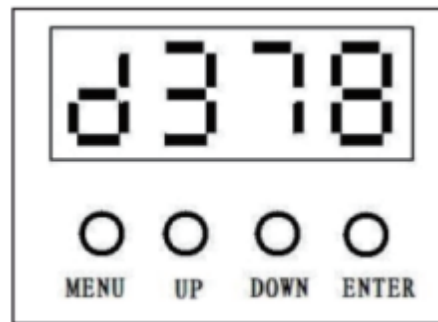
3.4 Cable connection (DMX)

Make sure to use a cable conforming to specifications EIA RS-485: 2-pole twisted, shielded, 120Ohm characteristic impedance, 22-24 AWG, Low capacity. Do not use microphone cable or other cable with characteristics differing from those specified. The end connections must be made using XLR type 3 or 5 pin male/female connectors. A terminating plug must be inserted into the last fixture with a resistance of 120 Ohm (minimum 1/4 W) between terminals 2 and 3.

IMPORTANT: The wires must not make contact with each other or with the metal casing of the connectors. The casing itself must be connected to the ground of the connector plugs.

4. Display Operation

4.1 Display Layout



| | |
|--------------|--|
| MENU | Switch interface |
| UP | Increase current parameter. On the main interface, pressing UP enters direct fog mode. |
| DOWN | Decrease current parameter. On the main interface, pressing DOWN enters timed fog mode. |
| ENTER | Stops the current operation or saves setting and return to the main screen. |

4.2 Display Readouts

| | |
|-------------|---|
| -UP- | Machine is heating up |
| ---- | Machine heating complete and is ready to use |
| A001 | Address selection, range (1-512) |
| I010 | Fog interval setting (range 1-900) |
| D010 | Continuous fog setting, range 1-15 |

| | |
|------------|---|
| C 0 | Color selection, range 0-9 0: No light output 1: Red light 2: Green light 3: Blue light 4: Yellow light 5: Red light + blue light 6: Green light + blue light 7: Red + green + blue 8: Light color change 9: Gradually brighten and fade out |
|------------|---|

4.3 Remote Control Mode (Button Functions)

| | |
|----------|--|
| 1 | Press and hold button 1 to output fog; release to stop. |
| 2 | Press button 2 to cycle through color options. There are a total of 7 colors available. |
| 3 | Press button 3 to switch to color changing mode; press again to switch to color fade option. |
| 4 | Press button 4 to turn the light on/off. |

5. DMX Channels

| Channel | Function | Value | Description |
|---------|---------------------------------|---------|---|
| CH1 | Fog Output | 0-5 | Fog Output Off |
| | | 6-255 | Fog Output On |
| CH2 | Light Effect Mode Control | 0-5 | Off |
| | | 6-126 | Color Change Mode (no fade) |
| | | 127-255 | Color Change Mode (fade) |
| CH3 | Light Effect Mode Speed Control | 0-5 | Off |
| | | 6-255 | Gradual speed adjustment from slow to fast |
| CH4 | Strobe | 0-5 | Open |
| | | 6-255 | Gradual speed adjustment from slow to fast |
| CH5 | Red | 0-255 | Adjust Red LED brightness from dark to bright |
| CH6 | Green | 0-255 | Adjust Green LED brightness from dark to bright |
| CH7 | Blue | 0-255 | Adjust Blue LED brightness from dark to bright |
| CH8 | Amber | 0-255 | Adjust Amber LED brightness from dark to bright |

! CAUTION HIGH VOLTAGE !

Always check wiring for damages before connecting to power source. Make sure there are no bare wires visible on power connectors. Be sure to discard damaged wires immediately. Do not use fixture in wet or humid conditions.

6. Technical Specifications

- **Voltage:** AC110V ONLY
- **Heater Power:** 1200W
- **Warm Up Time:** 4 Minutes
- **Light Source:** 12x4W RGBA Quad LED's
- **Liquid Capacity:** 1.2L
- **Fog Output:** 20,000 CFM
- **Operating Modes:** DMX, Remote Control, Manual timer control from display
- **DMX Channels:** 8Ch
- **Net Weight:** 11.7lb
- **Fixture Size:** 9.9" x 7.3" x 10.25" (LxWxH)

7. Warranty

This product carries a 1-year manufacturer's warranty which covers factory defects or internal issues not caused by the owner/operator of the fixture. Misuse, physical damage, water damage, or any other issues caused by misuse by the customer are not covered under manufacturer's warranty. All warranty claims must be handled directly through the manufacturer and not the dealer. Original sales receipt required for all warranty claims. Submit all claims to Info@AcueLighting.com.

For more information about this product as well as all our other products please visit:

www.AcueLighting.com

Or contact us directly:

Email: Info@AcueLighting.com

Phone: (818) 646-7526/ (818) 672-6822