Eliminator Lighting VF1600 EP

Eliminator Lighting VF1600 EP Fog Machine User Manual

Model: VF1600 EP

1. INTRODUCTION

This manual provides important information regarding the safe operation, installation, and maintenance of the Eliminator Lighting VF1600 EP Fog Machine. Please read and understand all instructions thoroughly before operating this device. Retain this manual for future reference.

The Eliminator Lighting VF1600 EP is a 1650W mobile DMX fog machine designed to produce atmospheric fog effects. It features a high-efficiency heater block, LED heating indicators, a low fog fluid shut-off sensor, and includes both wired and wireless remote controls for versatile operation.

2. SAFETY INFORMATION

WARNING: To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture. Do not spill water or other liquids into or onto your unit. This device is for adult supervision only. Do not operate without liquid. Keep this device away from rain and moisture. Only use high-quality, water-based fog fluid. No user-serviceable parts inside. Never operate the device when it is hot after running.

- Always connect to a grounded circuit.
- Ensure the power source matches the required voltage (AC 120V/60Hz, 15A).
- Do not block ventilation openings.
- Allow adequate space around the unit for proper ventilation.
- Do not touch the nozzle during operation or immediately after use, as it will be hot.
- Use only Eliminator Lighting approved water-based fog fluid. Other fluids may cause clogging, poor performance, or health hazards.
- If the unit fails to operate correctly, discontinue use immediately.
- Keep out of reach of children.

3. PACKAGE CONTENTS

Verify that all components listed below are present and in good condition upon opening the package:

- Eliminator Lighting VF1600 EP Fog Machine

- VFEPT6 Wired Timer Remote Control

- VFEPR2 Wireless Remote Control

- Power Cable

- User Manual (this document)

4. PRODUCT OVERVIEW

Familiarize yourself with the various parts and controls of the VF1600 EP Fog Machine.

Figure 4.1: Front and side view of the Eliminator Lighting VF1600 EP Fog Machine. This image shows the main body of the fog machine, including the output nozzle, the fluid tank cap, and the carrying handle.

Figure 4.2: Rear panel of the Eliminator Lighting VF1600 EP Fog Machine. This view highlights the power switch, power input, manual fog button, DMX input/output ports, wireless remote input, and DIP switches for DMX addressing.

4.1 Rear Panel Controls and Connections

- **POWER ON/OFF Switch:** Main power switch for the unit.
- **POWER IN:** AC 120V/60Hz, 15A power input.
- **MANUAL IN:** Input for the VFEPT6 wired remote control.
- **FOG Button:** Manual trigger for fog output.
- **DMX 512 IN/OUT:** 3-pin DMX connections for external DMX controller.
- **WIRELESS:** Input for the VFEPR2 wireless remote receiver.
- **DIP Switches:** Used for setting the DMX address.
- **Fluid Tank:** 2.3 Liter capacity, non-removable. Features an LED heating indicator system:

    - **Red:** Heating
    - **Green:** Ready to use
    - **Flashing:** Fog fluid tank is low

4.2 Remote Controls

Figure 4.3: VFEPT6 Wired Timer Remote Control. This remote features controls for interval, duration, output level, and continuous fog, along with a timer function.

Figure 4.4: VFEPR2 Wireless Remote Control. This compact remote provides convenient wireless activation of the fog machine.

5. SETUP

1. **Placement:** Place the fog machine on a flat, stable surface in a well-ventilated area. Ensure there is adequate space around the unit for heat dissipation and fog dispersion. Do not place directly on carpet or other flammable materials.

2. **Fluid Fill:** Unscrew the cap of the fluid tank and carefully pour high-quality, water-based fog fluid into the tank. Do not overfill. Securely replace the cap. The tank capacity is 2.3 liters.

3. **Power Connection:** Connect the power cable to the POWER IN socket on the rear panel and then to a grounded electrical outlet (AC 120V/60Hz, 15A).

4. **Remote Connection (Optional):**

   - For the VFEPT6 wired remote, plug its connector into the MANUAL IN port.
   - For the VFEPR2 wireless remote, ensure the receiver is connected to the WIRELESS port.

5. **DMX Connection (Optional):** If using DMX control, connect a DMX cable from your DMX controller

to the DMX IN port on the fog machine. If linking multiple DMX devices, connect from DMX OUT to the next device's DMX IN. Set the DMX address using the DIP switches as per your DMX system requirements.

6. OPERATING INSTRUCTIONS

1. **Power On:** Flip the POWER ON/OFF switch to the "ON" position. The LED indicator on the fluid tank will illuminate red, indicating the unit is heating up.
2. **Warm-up:** Allow approximately 3 minutes for the unit to reach operating temperature. The LED indicator will turn green when the machine is ready to produce fog. If the LED flashes, the fluid tank is low and needs refilling.
3. **Fog Output:**
   - **Manual:** Press the FOG button on the rear panel for immediate fog output.
   - **Wired Remote (VFEPT6):** Use the controls on the VFEPT6 remote to set interval, duration, output level, or continuous fog. Refer to the VFEPT6 remote's specific instructions for detailed programming.
   - **Wireless Remote (VFEPR2):** Press the button on the VFEPR2 remote to activate fog output wirelessly.
   - **DMX Control:** If connected to a DMX controller, operate the fog machine via your DMX software or console. Consult your DMX controller's manual for channel assignments and control parameters.
4. **Reheating:** After a period of fog output, the unit may need to reheat. The LED indicator will turn red again. Reheating time is approximately 15 seconds.
5. **Power Off:** When finished, turn the POWER ON/OFF switch to the "OFF" position and disconnect the power cable from the outlet. Allow the unit to cool completely before moving or storing.

Figure 6.1: The Eliminator Lighting VF1600 EP Fog Machine in operation, emitting a dense fog. This demonstrates the machine's capability to fill a space with atmospheric effects.

7. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your fog machine.

- **Fluid Quality:** Always use high-quality, water-based fog fluid. Using oil-based fluids or other unauthorized liquids will damage the unit and void the warranty.
- **Cleaning:** Periodically clean the exterior of the unit with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Nozzle Cleaning:** If the fog output appears weak or inconsistent, the nozzle may be partially clogged. Consult a qualified technician for cleaning or servicing. Do not attempt to disassemble the unit yourself.
- **Storage:** When not in use for extended periods, drain any remaining fog fluid from the tank. Store the unit in a cool, dry place.

8. Troubleshooting

Problem	Possible Cause	Solution
No fog output	- No power - Not warmed up - Low fluid level (flashing red LED) - Clogged nozzle/pump - Remote not connected/faulty	- Check power connection and switch. - Wait for green LED indicator. - Refill fog fluid tank. - Contact qualified service personnel. - Check remote connection or try manual button.
Weak or inconsistent fog	- Low fluid level - Partial nozzle clog - Incorrect fluid type	- Refill fog fluid tank. - Contact qualified service personnel. - Ensure only water-based fog fluid is used.
Unit not heating	- Power issue - Internal fault	- Check power connection. - Contact qualified service personnel.

9. Specifications

Model:	VF1600 EP
Power Consumption:	1650W
Power Supply:	AC 120V/60Hz, 15A
Warm-up Time:	Approximately 3 minutes
Reheating Time:	Approximately 15 seconds
Fog Output:	20,000 cubic ft. per minute
Fluid Tank Capacity:	2.3 Liters (non-removable)
Control:	Manual, VFEPT6 Wired Remote, VFEPR2 Wireless Remote, 3-pin DMX In/Out

Dimensions (LxWxH):	19.5" x 14" x 9" (495x355x230mm)
Weight:	22 lbs. (10 kg)
Fluid Type:	High-quality, water-based fog fluid only

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the official Eliminator Lighting website or contact your authorized dealer. Keep your purchase receipt as proof of purchase.
Using non-approved fog fluid or attempting unauthorized repairs will void the product warranty.