

## Eapmic YG-4434

# Eapmic Vertical LED Fog Machine 1500W User Manual

Model: YG-4434

## 1. IMPORTANT SAFETY INFORMATION

Please read and understand all safety instructions before operating the Eapmic Vertical LED Fog Machine. Failure to follow these instructions may result in injury or damage to the product.

- The machine must be placed in a well-ventilated area to prevent overheating and ensure proper fog dispersion.
- Always ensure the machine is placed horizontally on a stable surface. Do not tilt or turn it over during operation or storage.
- Use only high-quality, water-based fog fluid specifically designed for fog machines. Using other liquids may damage the unit or create hazardous conditions.
- Turn off the power supply and unplug the machine before adding fog fluid, performing any maintenance, or checking components.
- Keep a safe distance of at least 20cm (8 inches) from the fog nozzle during operation to avoid direct contact with hot fog.
- If you observe reduced smoke output, loud pump noise, or the machine fails to spray fog, immediately turn off the power. Check the fog fluid level, fuses, cables, and power plug before attempting to restart.
- This appliance is for adult supervision only. Do not allow children to operate this device.
- Never pack the device when it is hot. Allow it to cool completely before storage.

## 2. PRODUCT OVERVIEW

The Eapmic Vertical LED Fog Machine is a high-performance stage effect device designed to produce dense fog with integrated RGB LED lighting. It features a robust construction and multiple control options for versatile use.



Figure 2.1: The Eapmic 1500W Vertical LED Fog Machine, showcasing its design and the vibrant blue, green, and red fog outputs.

### Key Features:

- **High Power Output:** 1500W heating element for rapid fog production.
- **Efficient Fog Output:** Produces up to 10,000 cubic feet per minute (cfm) of fog with an output distance of 5-8 meters (16.4-26.2 ft).
- **Integrated RGB LEDs:** 24 RGB LED lights with 7 color options and various lighting effects (fade, flash, smooth, strobe) to enhance the fog.
- **Large Fluid Tank:** 2-liter (0.53 gallon) visualized oil tank reduces the need for frequent refills.
- **Durable Construction:** Made from stainless steel and iron with a painted surface for high hardness, abrasion resistance, and long service life.
- **Multiple Control Methods:** Manual button, wireless remote control, and DMX512 compatibility.
- **Quick Heat-Up:** Initial heat-up time of 3-5 minutes, subsequent heat-ups in approximately 10 seconds.

### 3. SETUP INSTRUCTIONS

Follow these steps to set up your fog machine for first-time use.

1. **Unpack the Machine:** Carefully remove the fog machine and all accessories from its packaging. Ensure all components listed in the package contents are present.
2. **Placement:** Place the fog machine on a flat, stable, and horizontal surface in a well-ventilated area. Ensure there is sufficient space around the unit for heat dissipation and fog dispersion. Keep it away from flammable materials.
3. **Fill the Fluid Tank:**
  - Ensure the machine is unplugged and powered off.
  - Unscrew the cap of the fluid tank located on top of the machine.
  - Carefully pour high-quality, water-based fog fluid into the tank. Do not overfill; the tank capacity is 2 liters.
  - Securely screw the cap back onto the fluid tank.
4. **Connect Power:** Insert the power cord into the power inlet on the back of the machine, then plug the other end into a standard AC110-120V 60Hz power outlet.
5. **Initial Warm-up:** Turn the power switch to the 'ON' position. The machine will begin its initial warm-up cycle, which typically takes 3-5 minutes. The display will indicate when it is ready for operation.



Figure 3.1: The fog machine with its included wireless remote control and power cord, ready for connection.

## 4. OPERATING INSTRUCTIONS

The Eapmic Fog Machine offers three control methods: manual, wireless remote, and DMX512.

### 4.1. Manual Operation

1. Ensure the machine is powered on and has completed its warm-up cycle (indicated by the display).
2. Press the 'FOG' button on the control panel to initiate fog output. Release the button to stop.
3. Use the 'MENU', 'UP', 'DOWN', and 'ENTER' buttons on the control panel to navigate settings and adjust LED light colors or modes directly on the unit.

#### 4.2. Wireless Remote Control

The included wireless remote control allows for convenient operation from a distance of 10-15 meters (32.8-49.2 ft).

1. Ensure the remote control has a working 23A battery (one is included).
2. Point the remote towards the fog machine.
3. Press the designated button on the remote to activate fog output.
4. Use other buttons on the remote to change LED light colors or select various lighting effects (fade, flash, smooth, strobe).



Figure 4.1: The fog machine's control panel and the wireless remote for convenient operation.

#### 4.3. DMX512 Control

For professional stage setups, the machine can be controlled via DMX512 protocol.

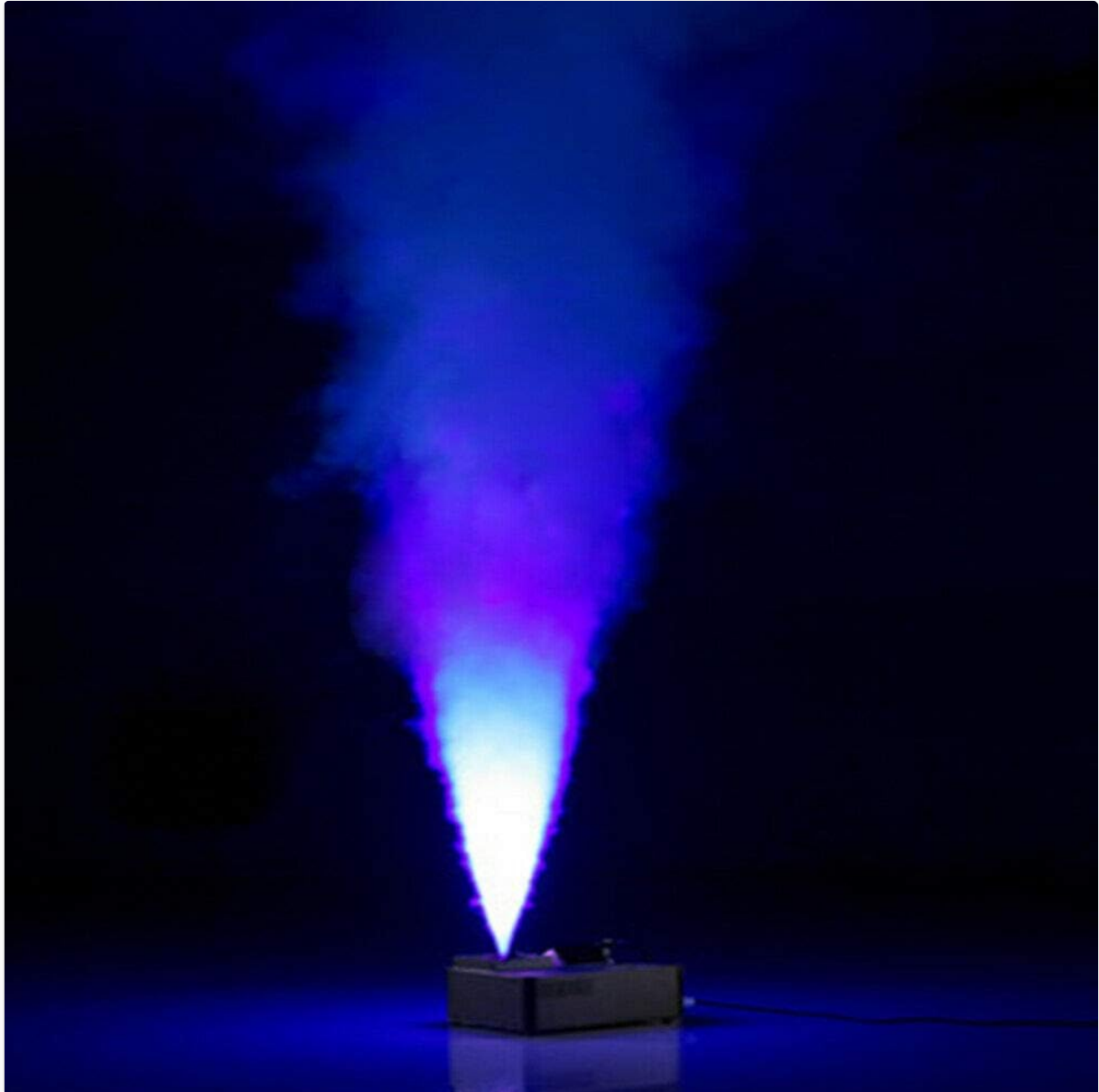
1. Connect a DMX controller to the 'DMX INPUT' port on the fog machine using a standard DMX cable.
2. If linking multiple DMX devices, connect the 'DMX OUTPUT' of this machine to the 'DMX INPUT' of the next device.

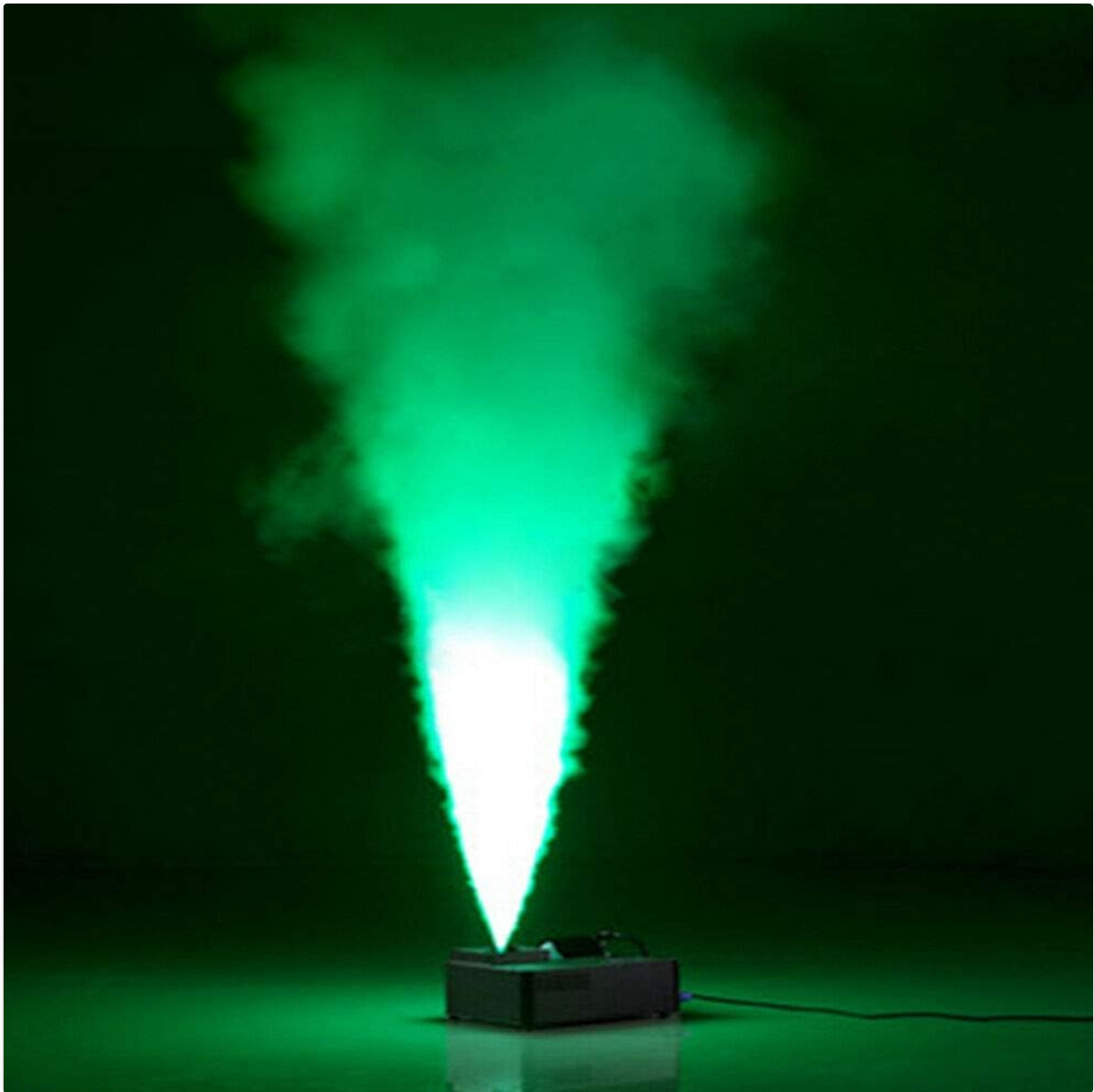
3. Set the DMX address for the fog machine using the control panel buttons ('MENU', 'UP', 'DOWN', 'ENTER'). Refer to your DMX controller's manual for specific channel assignments for fog output and LED control.
4. Operate the fog machine and its LED functions through your DMX controller.

#### 4.4. LED Light Functions

The 24 RGB LEDs offer a variety of lighting options:

- **7 Color Options:** Select from various static colors.
- **Lighting Effects:** Choose between fade, flash, smooth, and strobe modes to create dynamic visual effects with the fog.





**Figure 4.2:** Examples of the machine producing blue and green colored fog, demonstrating the integrated LED capabilities.

## 5. MAINTENANCE

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Proper maintenance ensures the longevity and optimal performance of your fog machine.

- **Regular Cleaning:** Periodically clean the exterior of the machine with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Fluid Tank:** Regularly check the fog fluid level. If the machine will not be used for an extended period, it is recommended to empty the tank and run a small amount of distilled water through the system to prevent clogs.
- **Nozzle Cleaning:** If the fog output becomes weak or inconsistent, the nozzle may be partially clogged. Consult a qualified technician for cleaning or replacement if necessary. Do not attempt to clear the nozzle with sharp objects.
- **Storage:** Always allow the machine to cool down completely before storing it. Store in a dry, cool place away from direct sunlight and extreme temperatures.

## 6. TROUBLESHOOTING

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If you encounter issues with your fog machine, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
No fog output or reduced fog.	Low or empty fog fluid tank. Machine not fully warmed up. Nozzle clogged. Pump malfunction.	Refill fog fluid. Wait for the machine to complete its warm-up cycle. Consult a technician for nozzle cleaning. Contact customer support.
Loud pump noise.	Low fog fluid level. Air in the pump system.	Refill fog fluid. Run the machine for a short period to clear air, if noise persists, contact support.
Machine does not power on.	Power cord not properly connected. Blown fuse. Power outlet issue.	Check power cord connections. Inspect and replace fuse if necessary (refer to specifications for fuse type). Test with a different power outlet.
Remote control not working.	Dead battery. Out of range.	Replace 23A battery. Move closer to the machine.

## 7. TECHNICAL SPECIFICATIONS

Detailed specifications for the Eapmic Vertical LED Fog Machine.

<b>Model</b>	YG-4434
<b>Power</b>	1500W
<b>Voltage</b>	AC110-120V 60HZ
<b>Output</b>	10000cfm (Cubic Feet per Minute)
<b>Output Distance</b>	5-8 m (16.4-26.2 ft)
<b>Heat Up Time (First)</b>	3-5 minutes
Heat Up Time (Subsequent)	Approximately 10 seconds
<b>Tank Capacity</b>	2L (0.53 Gallons)
<b>Fluid Consumption</b>	25 ml/min (0.85 fl oz/min)
<b>LED Lights</b>	24 RGB LEDs (Approx. 70W)
<b>Control Methods</b>	Manual, Wireless Remote, DMX512
<b>Remote Control Distance</b>	10-15m (32.8-49.2 ft)
<b>Material</b>	Stainless Steel, Iron (Painted)
<b>Protection Grade</b>	IP25
<b>Item Size</b>	42x32x24cm (16.5x12.6x9.4 inch)

Net Weight

6.5kg (14.3 lb)



Figure 7.1: Dimensional overview of the Eapmic Vertical LED Fog Machine.

## 8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact the retailer/manufacturer directly. Keep your purchase receipt as proof of purchase.