

## Vangoa LED-1500

# Vangoa 1500W Fog Machine with LED Lights Instruction Manual

## 1. INTRODUCTION

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The Vangoa 1500W Fog Machine is designed to produce atmospheric fog effects with integrated LED lighting. This device is suitable for various events, including parties, stages, and special effects. This manual provides essential information for the safe and effective operation, setup, maintenance, and troubleshooting of your fog machine.



Image 1.1: The Vangoa 1500W Fog Machine with its included remote controls, emitting purple fog.

## 2. SAFETY INFORMATION

Please read and understand all safety instructions before operating the fog machine. Failure to follow these instructions may result in injury or damage to the product.

- **Power Supply:** This fog machine operates under 110-130V. Ensure your power source matches this requirement.
- **Fluid Usage:** Use only dedicated, non-toxic fog fluid. Never operate the machine without fluid in the tank. Using incorrect fluid can damage the machine and pose health risks.
- **Overheat Protection:** The machine is equipped with an automatic overheat protection system. If the machine operates continuously for approximately 1 minute, it will stop to prevent overheating. Allow it to cool down before restarting. This protects the equipment's safety and performance.
- **Hot Surface:** The fog machine's nozzle and surrounding areas become hot during operation. Avoid touching these surfaces to prevent burns.
- **Ventilation:** Ensure adequate ventilation around the machine during operation to prevent heat buildup.
- **Disconnection:** Always disconnect the main power plug before performing any service, maintenance, or refilling the fluid tank.
- **Placement:** Place the machine on a stable, flat surface. Keep it away from flammable materials and

ensure the fog output is directed away from people and sensitive equipment.



Image 2.1: Rear view of the fog machine highlighting power and remote connections, along with safety warnings.

### 3. PACKAGE CONTENTS

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Verify that all items are present in the package:

- Vangoa 1500W Fog Machine (Model: LED-1500)
- Wired Remote Control (3m cable)
- Wireless Remote Control for Fog Output
- Wireless Remote Control for LED Lights
- Power Cord



Image 3.1: Overview of the fog machine and its accessories.

### 4. PRODUCT FEATURES

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- **High Power Output:** 1500W heating element for rapid fog production.
- **High Volume Fog:** Produces up to 25000 CFM (cubic feet per minute) of fog.
- **Integrated LED Lighting:** Features 6-stage LED lights with 15 adjustable colors.
- **Light Effects:** Includes 4 special lighting effects: FADE, FLASH, SMOOTH, and STROBE.

- **Large Tank Capacity:** 2.5-liter fluid tank for extended operation without frequent refills.
- **Multiple Control Options:** Comes with a wired remote control and two distinct wireless remote controls (one for fog, one for lights).
- **Durable Construction:** Built with iron and aluminum metals for excellent heat dissipation and longevity.
- **Safety Certifications:** FCC, CE, and ROSH certified.



Image 4.1: The fog machine demonstrating its 15 color options and 4 light effect modes.

# Durable & Energy Efficient



Image 4.2: Detailed view of the machine's components, emphasizing durability and energy efficiency.

## 5. SETUP

1. **Fill the Fluid Tank:** Unscrew the cap of the fluid tank and carefully pour dedicated fog fluid (not included) into the tank. Ensure the tank is not overfilled. Securely fasten the cap.



Image 5.1: Step 1 - Filling the fog fluid tank.

2. **Connect Power and Wired Remote:** Connect the power cord to the machine and then to a suitable 110-130V power outlet. Plug the wired remote control sensor cord into the designated port on the back of the machine.
3. **Power On and Preheat:** Flip the main power switch to the 'ON' position. The machine will begin to preheat. This process typically takes 3-4 minutes. The indicator light on the wired remote control will illuminate red during preheating and turn green when the machine is ready to produce fog.



Image 5.2: The wired remote control indicating preheating status.

## 6. OPERATING INSTRUCTIONS

### 6.1 Fog Output Control

- **Wired Remote Control:** Once the preheat indicator light turns green, press the button on the wired remote control to release fog. Release the button to stop fog production.
- **Wireless Remote Control (Fog):** Use the dedicated wireless remote for fog output. Press the 'FOG' button to activate fog. Some models may have 'LOCK' and 'UNLOCK' buttons for continuous fog or timed bursts.
- **Continuous Operation:** The machine can operate continuously for approximately 1 minute before its overheat protection activates. Allow the machine to cool down for a few minutes before resuming fog production.

### 6.2 LED Light Control

- **Wireless Remote Control (Lights):** Use the separate wireless remote control to manage the LED

lights.

- **Color Selection:** Choose from 15 available colors using the color buttons on the remote.
- **Light Effects:** Select from FADE, FLASH, SMOOTH, or STROBE modes to create dynamic lighting effects.



Image 6.1: Control options for fog output, including wireless and wired remote distances.



Image 6.2: Demonstrating the use of both wired and wireless remote controls.



Image 6.3: Different operational modes: LED only, Fog only, and Fog with LED.

## 7. MAINTENANCE

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

- **Fluid Tank:** After each use, if there is remaining fluid, it is recommended to drain the tank and clean it with distilled water to prevent residue buildup.
- **Cleaning:** Periodically clean the exterior of the machine with a soft, dry cloth. Do not use abrasive cleaners or allow liquids to enter the internal components.
- **Nozzle:** Ensure the nozzle is clear of any blockages. If fog output is reduced, a small amount of fog machine cleaner (specifically designed for fog machines) can be run through the system.
- **Storage:** Store the machine in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the fluid tank is empty or contains fresh fluid before long-term storage.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No fog output	<ul style="list-style-type: none"><li>• No power</li><li>• No fog fluid</li><li>• Machine not preheated</li><li>• Overheat protection activated</li><li>• Pump blockage</li></ul>	<ul style="list-style-type: none"><li>• Check power connection</li><li>• Fill fluid tank</li><li>• Wait for preheat indicator to turn green</li><li>• Allow machine to cool down</li><li>• Contact support for pump issues</li></ul>
LED lights not working	<ul style="list-style-type: none"><li>• Wireless remote battery low</li><li>• Incorrect remote selected</li><li>• Light mode off</li></ul>	<ul style="list-style-type: none"><li>• Replace remote battery</li><li>• Ensure correct light remote is used</li><li>• Activate light mode via remote</li></ul>
Weak fog output	<ul style="list-style-type: none"><li>• Low fluid level</li><li>• Partial nozzle blockage</li><li>• Insufficient preheating</li></ul>	<ul style="list-style-type: none"><li>• Refill fluid tank</li><li>• Clean nozzle (see Maintenance)</li><li>• Allow full preheating cycle</li></ul>







## 9. SPECIFICATIONS

- **Model Number:** LED-1500
- **Output Wattage:** 1500 Watts
- **Fog Output:** Up to 25000 CFM
- **Tank Capacity:** 2.5 Liters (2500ml)
- **LED Lights:** 6-stage, 15 colors, 4 effects (FADE, FLASH, SMOOTH, STROBE)
- **Power Input:** 110-130V
- **Item Weight:** 13.07 pounds (5.93 kg)
- **Product Dimensions:** 19 x 11 x 8 inches (48.26 x 27.94 x 20.32 cm)

## 10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your purchase or contact Vangoa customer service directly. Keep your purchase receipt as proof of purchase.

### Related Documents - LED-1500

	<p><a href="#">Vangoa YSH402 Laser Light - DJ Party Light with Sound Activation and Remote Control</a></p> <p>Explore the Vangoa YSH402, an upgraded DJ party light featuring Northern Light effects, sound activation, and remote control. Ideal for parties, clubs, and room decorations, offering dynamic lighting for stages and events. Includes product parameters, functions, and safety guidelines.</p>
	<p><a href="#">Vangoa Wireless DMX User Manual - Model DMX-17</a></p> <p>User manual for the Vangoa Wireless DMX system, model DMX-17. This guide covers product description, features, specifications, operating instructions for installation, ID code setting, and connection, as well as package contents and warranty information.</p>
	<p><a href="#">VANGO A EWI-100 MIDI Saxophone User Manual   Electronic Wind Instrument Guide</a></p> <p>Discover the VANGO A EWI-100 MIDI Saxophone, a compact electronic wind instrument and MIDI input device. This user manual provides detailed instructions on features, operation, MIDI connections, and playing techniques for the EWI-100.</p>
	<p><a href="#">Vangoa Sinco Connector Windows Bluetooth MIDI Device Connection Guide</a></p> <p>A comprehensive guide for connecting Vangoa MIDI devices like VMX, SMC-PAD, and SMK25V2 to Windows computers via Bluetooth using the Sinco Connector driver, including installation and pairing steps.</p>
	<p><a href="#">Vangoa VMK25 Pro 25-Key MIDI Keyboard Controller User Manual</a></p> <p>Comprehensive user manual for the Vangoa VMK25 Pro, a 25-key MIDI keyboard controller with 16 performance pads, detailing its features, setup, operation, specifications, and troubleshooting.</p>
	<p><a href="#">Vangoa VGK611 Lighted Teaching Electronic Keyboard Owner's Manual</a></p> <p>Comprehensive owner's manual for the Vangoa VGK611 Lighted Teaching Electronic Keyboard, covering main functions, panel controls, power supply, operation modes, teaching features, and safety precautions. Ideal for beginners and musical education.</p>