kangten MK-2000D

DMX MK-2000D 1200W Dry Ice Fog Machine User Manual

Model: MK-2000D | Brand: kangten

1. Introduction

This manual provides essential information for the safe and efficient operation of your DMX MK-2000D 1200W Dry Ice Fog Machine. Please read these instructions thoroughly before setup and use to ensure optimal performance and prevent damage.
The MK-2000D is designed to produce a low-lying fog effect, ideal for stage performances, weddings, parties, and other events. It features intelligent temperature control, multiple operation modes, and a robust design for reliable use.

2. Safety Instructions

- Always disconnect the mains plug before cleaning, maintenance, or refilling the fluid tank.
- This machine is for indoor use only. Do not expose to rain or moisture.
- Ensure the machine is placed on a stable, level surface.
- Use only original smoke fluid recommended by the manufacturer. Using other fluids may cause damage or hazards.
- Do not operate the machine without liquid in the tank.
- Keep children and unauthorized personnel away from the machine during operation.
- Ensure adequate ventilation around the machine to prevent overheating.
- In case of malfunction, disconnect power immediately and contact qualified service personnel. Do not attempt repairs yourself.
- The machine operates at high temperatures. Avoid touching hot surfaces.



Image: Rear panel of the fog machine showing the warning label regarding power disconnection, qualified service, and use of original smoke fluid. It also displays DMX IN/OUT ports, manual controller port, power switch, and LCD display.

3. Product Overview

Key Features:

- **Intelligent Temperature Control:** Automatic heating and shutdown for effortless operation.
- **Powerful Fan:** Ensures wide and even smoke distribution.
- **Durable Construction:** Made from high-quality iron for longevity and wear resistance.
- **Multiple Control Modes:** Supports Manual, Cable Control, Remote Control, and DMX (1CH) operation.
- **LCD Display:** Allows control over smoke output, preset work time, and interval.
- **Efficient Heat Dissipation:** Multiple vents prevent overheating and extend machine lifespan.

Components:

1. Fog Machine Unit (MK-2000D)
2. Fluid Tank

3. Remote Control
4. Cable Control
5. Power Cable



Image: The MK-2000D fog machine displayed alongside its included accessories: a wireless remote control, a wired cable control unit, and a power cable.

4. Setup

1. **Unpacking:** Carefully remove the fog machine and all accessories from the packaging. Inspect for any signs of damage.
2. **Placement:** Position the machine on a flat, stable, and heat-resistant surface. Ensure there is adequate space around the unit for ventilation (at least 20 cm on all sides). Do not block the ventilation holes.
3. **Fluid Filling:** Unscrew the cap of the fluid tank. Carefully pour the recommended fog fluid into the tank. Do not overfill. Ensure the cap is securely tightened after filling.
4. **Power Connection:** Connect the power cable to the machine's power inlet and then to a suitable grounded power outlet (AC110-230V/50-60Hz).
5. **Control Connection (Optional):**
    - For **Cable Control**: Plug the cable control unit into the "MANUAL CONTROLLER" port on the rear panel.
    - For **DMX Control**: Connect a DMX cable from your DMX controller to the "DMX IN" port on the machine. If chaining multiple DMX devices, connect from "DMX OUT" to the next device's "DMX IN".



Image: A detailed view of the MK-2000D fog machine, highlighting the fluid tank, power switch, DMX input/output ports, and manual controller connection point, essential for initial setup.

5. Operating Instructions

1. **Power On:** Flip the "ON/OFF" switch to the "ON" position. The machine will begin its warm-up cycle. The LCD display will show the heating status.
2. **Warm-up Time:** Allow 5-8 minutes for the machine to reach its operating temperature. The intelligent temperature control will automatically manage this process.
3. **Control Modes:**
    - **Manual Control (Panel):** Use the "MENU", "UP", "DOWN", and "ENTER" buttons on the LCD display panel to adjust settings such as smoke output volume, duration, and interval.
    - **Cable Control:** Press the button on the wired cable control unit to activate fog output. Release to stop.
    - **Remote Control:** Press the button on the wireless remote control to activate fog output. Press again to stop. Ensure the remote has fresh batteries and is within range.
    - **DMX Control:** Set the DMX address on the machine using the LCD display. Refer to your DMX controller's manual for specific channel assignments. The MK-2000D typically uses 1 DMX channel to control fog output.
4. **Fog Output:** Once warmed up, activate the fog output using your chosen control method. The machine will produce a dense, low-lying fog.
5. **Cool Down:** After use, turn off the machine using the "ON/OFF" switch. Allow the machine to cool down completely before moving or storing.



Image: The MK-2000D fog machine producing a low-lying fog effect on a stage, with a hand holding the wireless remote control, demonstrating its operational use.

6. Maintenance

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

- **Cleaning the Exterior:** Wipe the exterior of the machine with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the machine is unplugged before cleaning.
- **Fluid Tank:** Periodically check the fluid tank for any residue. If storing the machine for an extended period, empty the tank and run a small amount of distilled water through the system to clean the pump and heater coil.
- **Nozzle Cleaning:** If the fog output becomes weak or inconsistent, the nozzle may be partially clogged. Consult a qualified technician for cleaning or replacement. Do not attempt to clear blockages with sharp objects.
- **Storage:** Store the machine in a cool, dry place, away from direct sunlight and extreme temperatures.

7. Troubleshooting

Problem	Possible Cause	Solution
No fog output	Machine not powered on. No fog fluid in tank. Not fully warmed up. Clogged nozzle/pump. Remote/cable control issue.	Check power switch and connection. Refill fluid tank. Wait for warm-up indicator. Contact service for cleaning. Check batteries/cable connection.
Weak or inconsistent fog	Low fluid level. Partial nozzle clog. Incorrect fluid type.	Refill fluid. Contact service for cleaning. Ensure correct fluid is used.
Machine not heating	Power issue. Internal component failure.	Check power connection. Contact qualified service personnel.

If the problem persists after attempting these solutions, please contact customer support.

8. Specifications

Model	MK-2000D
Power	1200 W
Voltage	AC110-230V / 50-60Hz
Control Modes	Manual, Cable Control, Remote Control, DMX
DMX Channels	1CH
Smoke Coverage	80-100 m² / 860-1076 ft²
Heating Time	5-8 minutes
Smoke Emission	5000 CFM
Fluid Tank Capacity	0.5 L / 0.13 gal
Material	Iron
Color	Black
Product Dimensions (L x W x H)	47.5 cm x 32 cm x 25 cm (18.7 in x 12.6 in x 9.84 in)
Net Weight	9 kg



Image: The MK-2000D fog machine with its key dimensions (length, width, height) clearly indicated, providing a visual reference for its physical size.

9. Warranty and Support

Information regarding specific warranty terms and conditions for the DMX MK-2000D Dry Ice Fog Machine is not available in the provided product details. Please refer to the retailer or manufacturer's official website for warranty information.
For technical support, service, or inquiries about replacement parts, please contact the seller or manufacturer directly. Contact details are typically found on the product packaging or the point of purchase.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

I received the kangten MK-2000D fog machine from Amazon without an instruction manual. Do I need to put water in the bottom under the dry ice compartment, or does it only use fog juice?

Based on the manual for the kangten MK-2000D, this machine is a hybrid low-lying fogger. Here is how to properly set it up:Fog Fluid (Fog Juice): You must fill the 0.5L fluid tank with...

Read full answer

Why is my kangten MK-2000D fog machine not producing fog even though the controller light is green and the panel displays 'E One'?

Based on the manual for the kangten MK-2000D, a green light on the controller typically indicates the machine has finished its 5-8 minute warm-up cycle and is ready to operate. If it still fails...

Read full answer