MOKA SFX

1500W WATER-BASED FOG MACHINE

-USER MANUAL-



VERSION3.0

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1.Preface

1.1 Package Contents

- Machine ×1
- Power cord ×1
- Signal cable ×1
- Wireless remote control ×1
- Spray nozzle ×1
- Spray guide tube ×1
- User manual ×1
- Hose clamps ×2
- Water pipe ×1

1.2 Symbols

Symbol	Meaning	Description
⚠	Caution	Critical information regarding installation, configuration, or operation. Failure to follow these instructions may result in malfunction, damage to the machine, or personal injury.
ⓘ	Important	Important information regarding installation or configuration. Ignoring this information may cause the machine to operate incorrectly.
💬	Information	Useful information

1.3 Unpacking

After receiving the machine, carefully open the packaging and check that all accessories are complete and undamaged. If the outer packaging or any components are damaged or missing due to transportation, please contact the carrier or dealer immediately.

1.4 Disclaimer

The information and specifications contained in this manual are subject to change without notice. MOKA SFX reserves the right to modify or revise this manual at any time.

1.5 Safety Instructions

These safety instructions contain important information regarding the installation, operation, and maintenance of the machine. Please read them carefully before using the machine.

1.5.1 Personal Safety

- Always use a grounded outlet to avoid the risk of electric shock.
- Do not touch the machine's exterior or nozzle during operation, as they may become very hot.

- Condensation may form on the bottom of the machine during operation, creating slippery surfaces–please be careful to avoid slipping.

- Protect your eyes when operating the machine.

1.5.2 Installation and Assembly

- For safety, install and operate the machine on a flat, stable surface.

- Ensure there are no flammable materials around the machine during operation. Do not place the machine on flammable surfaces such as felt, carpet, wood, paper, cardboard, or plastic.

- Always use the machine in a well-ventilated area, leaving at least 50 cm of space around it. Ensure the ventilation holes on the machine's casing are not blocked.

1.5.3 Power Supply and Wiring

- Before connecting to power, carefully check that the supply voltage matches the machine’s rated voltage.

- Ensure the power cord is not pinched or damaged. Do not connect the machine to a dimmer or rheostat.

- Do not unplug the machine by pulling on the power cord.
- To prevent unnecessary wear and extend the machine's service life, disconnect the circuit breaker or unplug the machine when not in use, completely cutting off the power supply.

1.5.4 Operation

- Stop using the machine immediately if the casing is damaged or cables are exposed or broken, and contact authorized technicians for replacement.
- Ensure there are no flammable materials near the machine during operation.
- Do not cover or block the nozzle while operating the machine.
- Do not use this machine as a space heater.
- Use the machine's handle when transporting it; do not lift it by the power cord or any movable parts to avoid damage.
- Empty the water tank and fluid container before transporting the machine.
- Operate the machine within a temperature of 40°C; do not use it in high-temperature environments.
- Disconnect the machine from the power supply before cleaning.
- This machine contains no user-serviceable parts. Do not attempt repairs or modifications unless you are a trained and authorized technician to avoid damage or

malfunction.

- In case of serious malfunction, stop using the machine immediately.
- Keep this manual for future reference. When reselling the machine, ensure that the manual is included.

2.Product Introduction

The Mini Water Fog Machine uses an ultrasonic water-fog mixing principle to produce smoke&mistwater, low-lying fog that spreads evenly across the ground. Its main body is made of high-strength composite materials in a single mold, making it compact, lightweight, and highly durable. It is rust-resistant, cost-effective, and safe for both the environment and humans. The optimized air delivery system allows the fog to travel farther, making it ideal for small to medium-sized venues such as bars, performances, and weddings.

3.Product Features

- The chassis is made with a self-developed plastic mold, rust-free, compact,and lightweight.
- Rapid smoke output with wide coverage.
- Newly added automatic water filling function.
- Carefully designed drainage port for quick removal of residual water.

- Adjustable airflow and smoke volume to suit different environments.
- Clear liquid level indicator for constant monitoring of the water tank.
- Water mist and smoke can be set independently.
- IP65-rated-rain protection.

4.Product Parameter

Voltage	100～120V 60Hz or 200～240V 50Hz
Power	1500W
Product Size	48.5*32.5*43.5cm
Packing Size	77.5*41.5*52.5cm
N.W.	17KG
G.W.	22.5KG
Fuel Tank	2.2L(Maximum Continuous Usage Time: 110 minutes）
Fuel Consumption	1.6L/H
Water Consumption	2.9L/H
Maximum Water Tank Capacity	8L

Recommended Water Capacity	7.2L
DMX Channels	2CH
Heating time	About 2 mins
Control mode	Manual，Remote， DMX512(with 3pin/ 5pin port)
Maximum Coverage Area	150~200m²

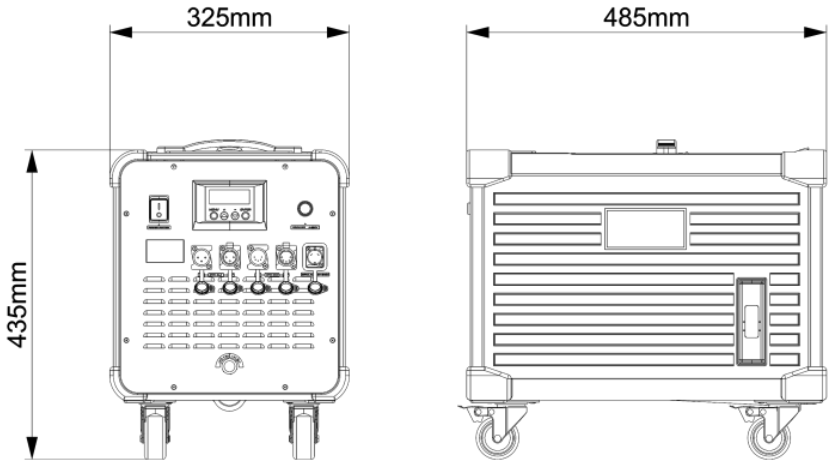
5.Features Overview

5.1 Appearance Descriptiontion



1. Handle
2. Water tank
3. Spray nozzle
4. Drain Outlet
5. LCD Control Panel
6. Power Socket
7. Water Level Window
8. Water Inlet
9. Universal Wheel

5.2 Product size



5.3 Panel Instructions



1.Power Switch
2.Fuse
3.3-pin DMX Socket
4.Power Socket
5.5-pin DMX Socket

6.Menu Settings

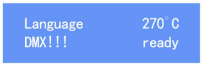


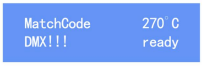
Control Panel Diagram

6.1 Operation Guide

MENU	Switch Interface
+	Increase Parameter
-	Decrease Parameter
ENTER	Enter Submenu / Confirm & Save Setting

6.2.Menu Page Introduction

Menu	Range / Options	Explanation
DMX 	001-512	DMX address setting
Lanuage 	Chinese(中文）/English	Language Switch (Chinese / English)
Timer 	001-255	Quantitative Working Time Setting
Stop 	001-255	Quantitative Working Time Setting

Manual 	Smoke Output （001-100）	Smoke Output Setting
	Fan Speed （001-100）	Fan Output Setting
Pairing 	000/001	000 ： Any remote can control the machine 001：Press any button on the remote to pair with the machine. When pairing is successful,"OK" is displayed. Press the machine's confirm button to save. (If there are multiple machines and you want control them together, one remote can pair with multiple machines simultaneously)
Auto Water Refill 	Open/Off	Turn on/off the auto water refill function (make sure the water source is sufficient)

Note: Press ENTER to confirm and save after completing the settings!!!

6.3Notification

Notification Message	Explanation
LACK_OIL 	When the machine enters the LACK_OIL protection mode, press and hold the MENU button to activate oil circulation and LACK_OIL protection modeautomatically.
LACK_WATER 	The display shows "LACK_WATER," and the machine stops operating.

7.DMX Setting

DMX Channels:2 channels

Channel	Function	Instruction
1	Smoke Output	**0 Off 1～30 Only water mist 31-255 Water Mist and Smoke Output (Level from Low to High)**
2	Fan Speed	**0 Off 1-255 Work (Speed from Low to High)**

8.Installation Setup

8.1 AC Power

This product has a fixed-voltage power supply. Depending on the model, use 100–120V 60Hz / 200–240V 50Hz. To determine the machine's power requirements (circuit breaker, power socket, and wiring), refer to the values listed on the machine's panel label or in the specifications sheet. The listed values indicate the machine's average current consumption under normal conditions.

8.2 Resetting the Overload Protector

The machine is equipped with a resettable overload protector. If the overload protector trips, the machine will disconnect from the power supply.

- Disconnect the machine from the power source.
- Allow the machine to cool for 15 minutes.
- After 15 minutes, manually press the overload protector button to reset it.
- Reconnect the machine to the power outlet and continue using it as recommended.

8.3 DMX Connection

The device supports 3-pin / 5-pin DMX connections to a DMX

console and can be controlled along with other DMX-compatible devices from the same console. This manual covers DMX operation, connection, and configuration.

8.4 Installation

Before installing the machine, read and follow all safety recommendations mentioned in the Safety Instructions.

4.1 Orientation
For safety, install and operate the machine on a flat surface, ensuring sufficient ventilation, setup, and maintenance space.

4.2Assembly
We recommend following these guidelines when installing this product:

- Ensure the installation location allows easy machine maintenance and control operation.
- Make sure the structure or surface used to mount the machine can support its weight (see "Technical Specifications").
- When placing the machine on the floor, ensure the machine and cables are clear of people and vehicles.

9.Accessories Image(s)



Remote | Power &Signal Cable | Guide Tube | Clampsx2| Manual | Nozzle |1.5m water pipe

10.Remote Control Instructions



1. **ON** Button-------Start Operation
2. **OFF** Button-----Stop Operation
3. **+** Button---------Increase Smoke Output
4. **-** Button----------Decrease Smoke Output

11.Product Images

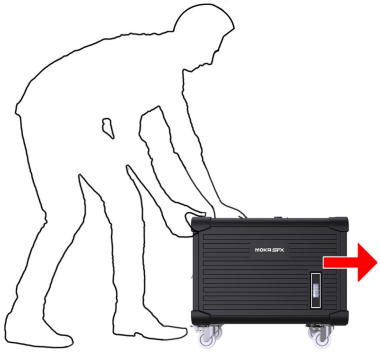




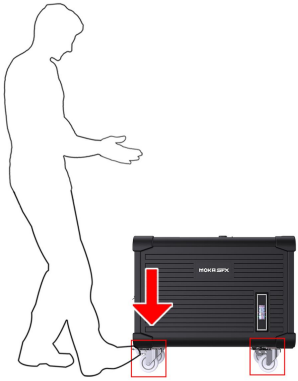
12.Operation Instructions

12.1MOVEMENT AND INSTALLATION

1.Bring the flight case containing the equipment to the required location.



2.Place the equipment in its final position and lock the four brakes.



3.Install the quick connector of the nozzle onto the machine's outlet.



3. Place the hose clamp on the spray guide tube, then attach the guide tube to the quick connector and tighten the hose clamp



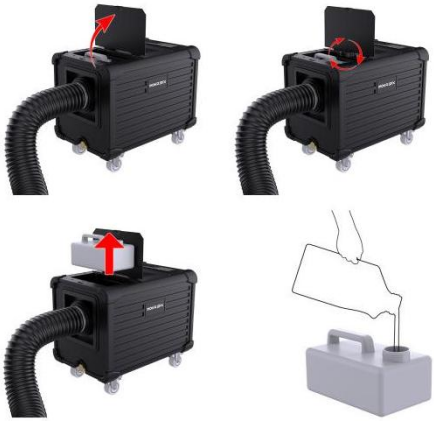
5.Finally, install the spray nozzle onto the spray guide tube and secure it with the hose clamp.



12.2FILLING CONSUMABLES

1.Open the cover, unscrew the oil tank cap, remove the oil tank,

and pour the Higher-quality water-based fog fluid into the tank



2.Pour clean water into the water tank. The water level can be checked using the water level sticker: the green area indicates the optimal water level, and the red area indicates overfilling.



3.You can also enter the menu to enable the auto water refill function. After connecting an external water pipe to the water

source, the device will automatically draw water. (The auto water refill function is enabled by default. If you need to disable it, please operate manually.)

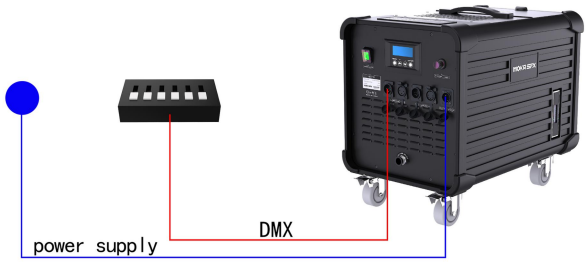


4.Ensure the water source remains sufficient while the machine is operating.

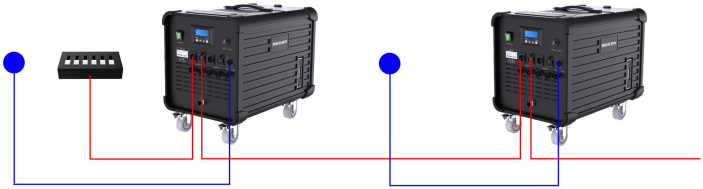


12.3 CONNECTING DEVICES

1.Connect the power and Connect the DMX controller.

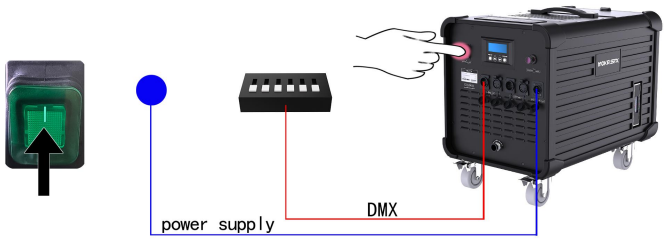


2.Equipment connection in series: DMX controller controls the series Switch.For simultaneous control of multiple machines, connect the first machine to power and the DMX controller, Connect the power and DMX signal cables of other machines in series.

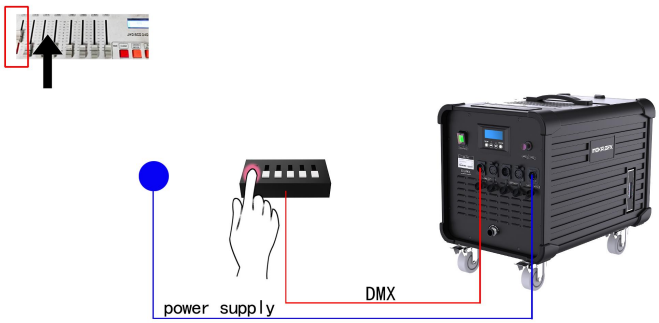


12.4.START THE DEVICE

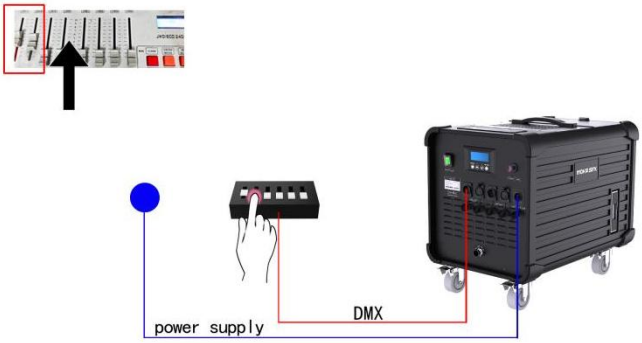
1.After connecting the device to power and the console, turn on the switch to power the device. (Note: the First heating time is about 2mins,wait for the device to finish heating.)



2.Slide CH1 to start smoke output (0: Off; 1–30: Water mist only; 31–255: Water mist with smoke, the output level from low to high).



3.Slide CH2 to control fan output (0: Off; 1–255: Fan speed from low to high).

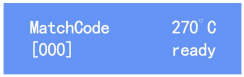


4.Effect (For reference)

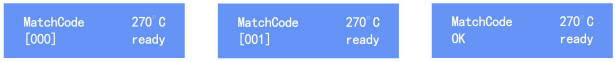


13.Remote Control Instructions

1.Using the Remote Control：Before using the remote control, unplug the DMX signal cable and only connect the power cable. The pairing window defaults to 000, at which point any compatible remote can control the device.



2.One-to-One Control ：Press the MENU button to navigate to the pairing page, then press ENTER to enter the submenu. The menu window defaults to 000. Press the + button to change the value to 001. Press any button on the remote to pair with the machine. When the menu window displays "OK," the pairing is successful. Press ENTER to save the settings, enabling one-to-one control between the machine and the remote.



3.One-to-Many Control：When the pairing window defaults to 000, any compatible remote can control multiple machines simultaneously.

4.Remote Button Functionsions：Press the ON button to

start smoke output. (When using the remote, ensure the device is powered and the DMX signal cable is unplugged.)



5.Press the OFF button to stop smoke output.



6.Press the + button on the remote to increase the smoke output.



7.Press the - button on the remote to decrease the smoke output.

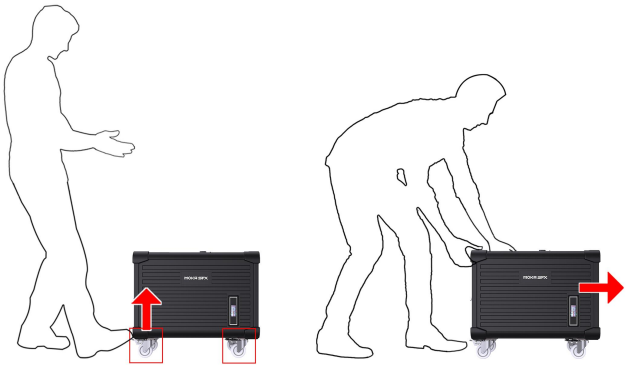


14.Equipment Storage

1.Remove all cables,spray nozzle and the guide tube, and store them properly.



2.Release the brake and place the equipment in a safe place



15.Device Cleaning

1.After use, open the drain outlet to remove any remaining water.





2.Wipe the exterior of the machine with a dry towel.



16.Device Maintenance

To ensure the normal service life of the machine, it should be cleaned at least once a month. A mixture of 35% white vinegar and 65% distilled water can be used instead of water-based fog fluid. After the machine has finished heating, run it continuously for 15 minutes to prevent residue buildup on the heating element. Here is the steps:

1.Disconnect the machine from the power supply.

2. Empty the water-based fog fluid from the oil tank.

3.Pour the vinegar-water mixture into the oil tank.

4.Connect the machine to power and preheat it.

5.Operate the machine for 15 minutes in a well-ventilated area, ensuring the pump does not run dry.

6.Refill the machine with water-based fog fluid and run briefly to clear any remaining vinegar-water mixture from the pump and heater.

8. Excess dust or residue on the machine can reduce performance and cause poor heat dissipation. Use a vacuum or soft brush to remove dust, and wipe the casing with a damp cloth.

Test and run your device monthly to maintain optimal performance!

16.1 Machine Storage

Before storing the machine, clean it following the steps above to prevent dust particles from condensing in the pump or heater. Only perform steps 1 to 5. Finally, empty the oil tank.

16.2 Common Issues

Error	Description	Trigger Condition	Solutions
LACK_OIL	Checck"6.Menu Setting" section for more information	1.Oil tank is empty 2.Oil pump malfunction	1.Refill water-based fog fluid 2.Contact the dealer or after-sales service
LACK_WATER		1.Low water level in tank 2. Water pump malfunction	1.Add water 2.Contact the dealer or after-sales service

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