

Rainproof Colored Fog Machine

DFO-IP3200



User Manual

Product Description

1.Description:

The rainproof colored fog machine is a stage special effect device specially designed for outdoor performances. It is designed for outdoor use, capable of producing fog output up to 15 meters, breaking through the limitation that traditional fog machines can only be used indoors. Its high power provides a strong and explosive fog effect, and it has a built-in 6-liter oil tank. At the same time, it has an IP54 rainproof rating, which can stably output colored fog effects in harsh weather conditions. It is widely used in concerts, music festivals, cultural tourism night tours, outdoor weddings and other scenarios, extending the stage atmosphere from indoors to outdoors.

2.Illustration (as follows) :

- 1) Spray nozzle
- 2) Vent
- 3) Oil pot
- 4) Display screen
- 5) DMX interface
- 6) Power interface
- 7) Overload protector
- 8) Main switch
- 9) Handle



Technical

Voltage:	AC220-240V/50Hz
Power:	3600W
Preheating Time:	Approximately 8 minutes
Protection Rating:	Ip54
Control Channels:	2Channels
Control Modes:	DMX512, Remote Control, Manual, Timed & Quantitative
Smoke Oil Capacity:	6L
Maximum Jet Height:	Approximately 15 meters
Maximum Smoke Output:	Approximately 120,000 cuft/min (cubic feet per minute)
Maximum Oil Consumption Rate:	Approximately 2.5 min/L (minutes per liter)
Maximum Continuous Output Time:	Approximately 30 seconds
Machine Size:	508X315X360mm
Package Size:	570x400x430mm
N.W:	22.7kg
G.W:	25.3kg

Using introduction

I 、Smoke Oil Filling

1. Take out the internal oil tank of the machine and unscrew the oil tank cap.
2. Inject dedicated smoke oil.
3. Tighten the oil tank cap to ensure a sealed and leak-proof condition, then put it back into the machine.



Smoke Oil Filling



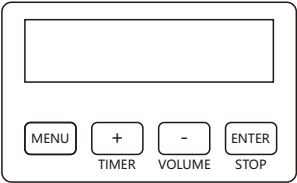
II、Preheating Preparation

- 1. Connect the power cord corresponding to the voltage (AC220-240V/50Hz).
- 2. Turn on the power switch; preheating takes approximately 8 minutes.

III、Key Description

1. There are four control buttons on the display screen, with specific functions as follows:

① "MENU" button: Pressing this button can cycle through 8 setting interfaces including the power-on initial interface, interval time setting, duration setting, DMX512 address setting, RDM-UID, remote control pairing function, saving running status, screen display, and language selection.

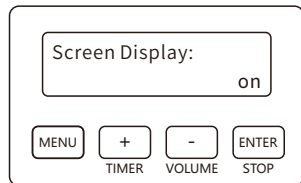


- ② "+/TIMER" button: Value increase/timed and quantitative function.
- ③ "-/VOLUME" button: Value decrease/continuous output of air column function.
- ④ "ENTER/STOP" button: Used to return to the power-on initial interface or stop the operation.

2. Introduction to each operation interface

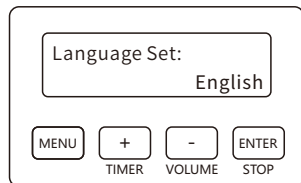
Display	Description
Preparatory work MENUTIMER+VOLUMEENTERSTOP	(1) Power-on initial interface (automatically enters this interface when powered on, or press the "ENTER" key in other interfaces to return to this interface) ① Preheating: When the machine is connected to the power supply and the power switch is turned on, the display lights up, enters the "power-on initial interface" and starts preheating. At this time, it displays "Heating <xx%>". After preheating is completed, it displays "Ready To Working". ② Press the "+/TIMER" key on the power-on initial interface to enter the "timing and quantitative" function, and the machine will work according to the set parameters. At this time, press the "MENU" key again to modify the values of "interval time" and "duration" in sequence. ③ Press the "-/VOLUME" key on the power-on initial interface to enter the "manual smoke spraying" function. At this time, press the "MENU" key again to modify the value of "light effect". ④ Press the "ENTER/STOP" key to return to the power-on initial interface and stop working.
Heating < %> MENUTIMER+VOLUMEENTERSTOP	
Interval Set: 10s MENUTIMER+VOLUMEENTERSTOP	(2) Interval Time Setting Interface ① Press the "MENU" key on the Power-On Initial Interface to enter the Interval Time Setting Interface. ② Press the "+" / "-" keys to modify the value (range: 10 - 999 seconds).

Duration Set: 10s MENUTIMER+VOLUMEENTERSTOP	(3) Duration Setting Interface ① Press the "MENU" key on the Power-On Initial Interface to enter the Duration Setting Interface. ② Press the "+" / "-" keys to modify the value (range: 10 - 999 seconds).
DMX512 Address: 1 MENUTIMER+VOLUMEENTERSTOP	(4) DMX512 Address Setting Interface ① Press the "MENU" key on the Power-On Initial Interface to enter the DMX512 Address Setting Interface. ② Press the "+" / "-" keys to modify the value (range: 1 - 497).
"RDM-UID" interface Settings: 08C2:00000001 MENUTIMER+VOLUMEENTERSTOP	(5) "RDM-UID" Interface: Range: 08C2:00000001 - 08C2:FFFFFFF
Wireless Matching: on MENUTIMER+VOLUMEENTERSTOP	(6) Remote Control Pairing Setting Interface ① Press the "MENU" key on the Power-On Initial Interface to enter the Remote Control Pairing Setting Interface. ② Press the "+" / "-" keys to enable the remote control pairing function. At this time, press any key on the remote control once, and the machine will be successfully paired with the remote control. ③ After successful remote control pairing, press the "+" / "-" keys again to disable the remote control pairing function, or it will be automatically disabled after 30 seconds. ④ To cancel the pairing, press the "+" and "-" keys simultaneously in this interface to unpair, and the remote controls paired with the machine will be cleared.
Save Run Status: on MENUTIMER+VOLUMEENTERSTOP	(7) Save Operating Status Setting Interface ① Press the "MENU" key on the Power-On Initial Interface to enter the Save Operating Status Setting Interface. ② Press the "+" / "-" keys to enable or disable the "Save Operating Status" function, i.e., whether to restore the status when the machine was last turned off when it is turned on next time.



(8) Screen Display Setting Interface

- ① Press the "MENU" key on the Power-On Initial Interface to enter the Screen Display Setting Interface.
- ② Press the "+" / "-" keys to activate this function, and the screen backlight will remain on.
- ③ Press the "+" / "-" keys again to disable this function, and the screen backlight will turn off if there is no operation for 15 seconds.



(9) Chinese/English Setting Interface

- ① Press the "MENU" key on the Power-On Initial Interface to enter the Chinese/English Setting Interface.
- ② Press the "+" / "-" keys to switch between Chinese and English.

IV、Remote control function

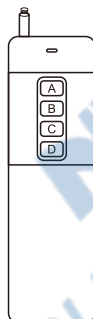
The remote control distance can reach 50m - 100m of visual range (experimental data is for reference only).

Key A: Start Spray (Press Start Spray, Release Stop Spray)

Key B: Start Spray (Press Start Spray, Release Stop Spray)

Key C: Start Spray (Press Start Spray, Release Stop Spray)

Key D: Start Spray (Press Start Spray, Release Stop Spray)



IV、DMX512 control

If you need to use a console for control, please connect the console and the machine with a signal cable. When a DMX512 signal is input, the remote control and the "MENU" and "ENTER" keys on the chassis panel will automatically become invalid, and they will return to normal when the DMX512 signal is disconnected. At this time, you can press the "+" / "-" keys to set the address code.

Channel	Data	Function
1	0-127off 128-255on	Master Switch
2	0-127off 128-255on	Volume

Notice

1. After opening the package, carefully check whether all accessories are complete and confirm whether there is any damage caused during transportation. If any parts of the machine are damaged or missing, do not plug in the power and contact the manufacturer immediately.

2. This machine is for adult use only; keep it away from children.

3. Please place the machine in a place with gentle wind for use. Unless there are special requirements, do not place the machine in a downwind position. Please reserve an appropriate space around the machine.

4. Before connecting to the power supply, ensure that the power supply voltage matches the rated voltage of the machine and that the grounding is good.

5. If any abnormality occurs during the operation of the machine, stop using it immediately. Check whether the power supply, signal, oil delivery pipeline, and other related components are abnormal. If the problem cannot be solved, contact the manufacturer.

6. Daily maintenance of the machine is required. There should be no foreign objects blocking the air inlets and air outlets on the machine body. If there are foreign objects, clean them in a timely manner to prevent machine malfunctions.

7. Non-professionals are not allowed to disassemble or modify any structure of the machine without permission.

8. When the machine is not in use for a long time, turn off the power supply to prevent the machine from being in standby mode for a long time, which may affect its service life.

9. Damage caused by improper use or human factors is not covered by the warranty.

10. Please strictly follow the instructions in your *User Manual* for all operations!

11. The final interpretation right belongs to our company.

Maintenance

1. Regular maintenance is required. The air inlets and air outlets must not be blocked by foreign objects; otherwise, clean them in a timely manner to avoid overheating and damage to the equipment.

2. Clean the surface of the machine regularly. You can use an air compressor, vacuum cleaner, or soft brush to remove dust and debris from the machine surface to keep it as bright as new. Do not allow dirt to accumulate on the machine.

3. When storing the machine for a long time, clean the oil delivery pipeline together with the oil tank to avoid blockage caused by oil circuit condensation due to long-term non-use, which may affect the next use. It is recommended to run the machine normally at least once a month to ensure it is in an ideal state.

4. All snow machines may experience blockage of the oil delivery pipeline due to incomplete filtration of snow oil or long-term frequent use. Therefore, regular maintenance is necessary to ensure the machine can be used for a longer time.

5. Please strictly follow the instructions in your Air Column Machine *User Manual* for all operations.