

Single-Head Flame Machine



User Manual

Product Description

1.Description:

The single-head flame machine, a newly launched product, adopts a pulse igniter and double ignition pins for precise ignition, producing an elegant flame effect with a maximum height of approximately 3 meters. It features a compact appearance, light weight, and uses a dedicated LPG cylinder, enabling easy operation. Equipped with a safety circuit and an anti-tilt device, it will automatically cut off the power supply and stop working when the machine tilts, ensuring a higher safety factor. It supports DMX control and can be connected in series with multiple units, allowing for easy creation of a fiery stage atmosphere.

2. Features

- 1) Adopts a pulse igniter and double ignition pins for precise ignition;
- 2) Boasts a maximum flame height of about 3 meters, delivering strong explosive power;
- 3) Comes with a safety circuit and an anti-tilt device, offering a high safety factor;
- 4) Supports DMX control and can be used in series with multiple machines.

3.Illustration (as follows):

- 1) Cylinder Compartment Door
- 2) Handle
- 3) Flame Outlet
- 4) Display Screen
- 5) Signal Receiver
- 6) Power Interface
- 7) Overload Protector
- 8) Main Switch
- 9) DMX Interface



Technical

Voltage:	AC110-130V/60Hz或AC220-240V/50Hz
Power:	33W
Control Channels:	2 Channels
Control Methods:	DMX512, Remote Control, Electric Control
Maximum Spray Height:	Approximately 3 Meters
Waterproof level:	Ip53
Machine Size:	203x203x325mm
Package Size:	280x280x400mm
N.W:	5.1kg
G.W:	6kg

Using introduction

I 、Operation Process

- 1) Open the cylinder compartment door and place the cylinder inside;
- 2) Connect the power cord matching the voltage (AC220-240V/50Hz);
- 3) Press the switch.



II、Button Description

1.The display screen is equipped with four control buttons, with specific functions as follows:

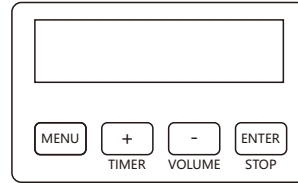
① "MENU" Button: Press this button to cycle through 5 setting interfaces: Power-On Initial Interface, DMX512 Address Setting, RDM-UID, Remote Control Pairing Function, Screen Display, and Language Selection Setting.

② "+/TIMER" Button: Used to increase the value.

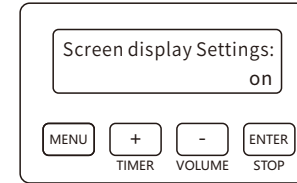
③ "-/VOLUME" Button: Used to decrease the value.

④ "ENTER/STOP" Button: Serves to return to the Power-On Initial Interface or stop the operation.

2.Introduction to Each Operation Interface



Display	Description
	(1) Power-On Initial Interface (The machine automatically enters this interface upon startup; you can also return to it by pressing the "ENTER" button in other interfaces) ① When the machine is connected to the power supply and the power switch is turned on, the display screen lights up and enters the "Power-On Initial Interface", showing "Ready To Working".
	(2) DMX512 Address Setting Interface ① Press the "MENU" button on the Power-On Initial Interface to enter the DMX512 Address Setting Interface. ② Press the "+"/"-" buttons to modify the value (range: 1 - 511).
	(3) "RDM-UID" Interface: Range: 08C2:00000001 - 08C2:FFFFFFF
	(4) Remote Control Pairing Setting Interface ① Press the "MENU" button on the Power-On Initial Interface to enter the Remote Control Pairing Setting Interface. ② Press the "+"/"-" buttons to activate the remote control pairing function; then press any button on the remote control once, and the machine will be successfully paired with the remote control. ③ After successful pairing, press the "+"/"-" buttons again to deactivate the pairing function, or it will automatically turn off after 30 seconds. ④ To cancel the pairing, press the "+" and "-" buttons simultaneously on this interface to unpair, and the remote controls paired with the machine will be cleared.



(5) Screen Display Setting Interface

① Press the "MENU" button on the Power-On Initial Interface to enter the Screen Display Setting Interface.

② Press the "+"/"-" buttons to enable this function, keeping the screen backlight on continuously.

③ Press the "+"/"-" buttons again to disable this function, and the screen backlight will turn off if there is no operation for 15 seconds.



(6) Chinese-English Setting Interface

① Press the "MENU" button on the Power-On Initial Interface to enter the Chinese-English Setting Interface.

② Press the "+"/"-" buttons to switch between Chinese and English.

III. DMX512 Control

If you need to control the machine with a console, connect the console and the machine using a signal cable. When a DMX512 signal is input, the remote control and the "MENU" and "ENTER" buttons on the chassis panel will be automatically disabled, and they will resume normal operation once the DMX512 signal is disconnected. At this point, you can press the "+"/"-" buttons to set the address code.

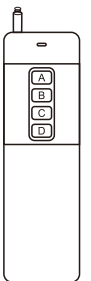
This machine has 2 channels:

Channel	Data	Function
1	0-127off 128-255on	Master Switch
2	0-127 Stop Flamer 128-255 Start Flamer	Flamer Switch

IV. Remote Control

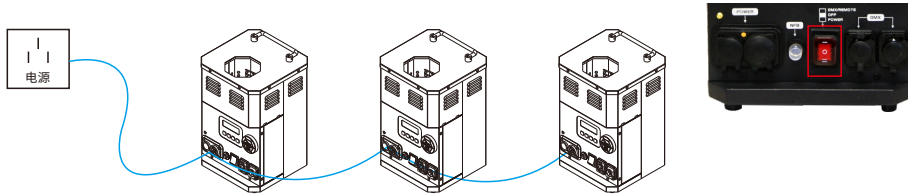
The remote control distance can reach 50m - 100m in line of sight (experimental data for reference only).

Buttons A/B/C/D (Flame Switch: Press and hold to start flame projection, release to stop).



V. Electric Control

After installing the cylinder in the machine and placing the machine stably, connect the power cords of the machines to be used, set the main switch of the machines to the "POWER" position, connect the frontmost machine to the AC power supply via the electric control button switch, and use the electric control button switch to control the start and stop of the equipment for flame projection operation.



Precautions

1. After opening the package, carefully check whether all accessories are complete and confirm if there is any damage caused during transportation. If any parts of the machine are damaged or missing, please contact the manufacturer immediately.

2. Place and install the machine as firmly and stably as possible to prevent abnormal tilting and movement of the machine body. Reserve a safe distance for personnel, and ensure there are no flammable materials nearby!

3. Before connecting the power supply, confirm whether the on-site conditions meet the machine's rated indicators (such as voltage and power) and ensure good grounding.

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

5. If any abnormality occurs during the operation of the machine, stop using it immediately. Check whether related components (such as power supply and signal) are abnormal; if the problem cannot be resolved, please contact the manufacturer.

6. Perform daily maintenance on the machine, clean foreign objects on the machine body 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. Disconnect the power supply when the machine is not in use for a long time to avoid affecting its service life.

9. Damages caused by improper use or human factors are not covered by the warranty.

10. Strictly follow the instructions in your User Manual for all operations!

11. The final interpretation right belongs to our company.