

JF-3 G-FLAMER 3

USER MANUAL

GUANGZHOU DJPOWER ELECTRONIC TECHNOLOGY CO.,LTD

1. BEFORE YOU BEGIN

1.1. What Is Included

G-Flamer 3 Machine ×1




Power Cord×1

Warranty Card×1

1.2. Unpacking Instructions

Carefully unpack the product immediately and check the container to make sure all the parts are in the package and are in good condition. If the box or the contents (the product and included accessories) appear damaged from shipping, or show signs of mishandling, notify the carrier or dealer/seller immediately. In addition, keep the box and contents for inspection.

1.3. Symbols

Symbol	Meaning
	Caution Critical installation, configuration, or operation information. Not following these instructions may make the product not work, cause damage to the product, or cause harm to the operator.
	Important Important installation or configuration information. Failure to comply with this information may keep the product from working correctly.
	Information Useful information.

1.4. Disclaimer

Thanks for choosing DJPOWER G-Flamer 3 Machine JF-3. When you purchase this machine, you will recognize the following instructions by default. Please read following manual carefully and completely before operating this product. Operate according to instructions is very important for safety, and can elongate the service life of the machine. Use the JF-3 only under the rules and instructions from this manual.

DJPOWER excludes liability for unsafe situations, accidents and damages resulting from:

1. The machine is not arranged for use by professionals, and the machine is still used when the machine malfunctions or is damaged.
2. The flame fluid tank was not emptied before the machine was shipped.
3. Ignoring warnings or regulations as shown on flame machine or this manual.
4. Use for other applications or circumstances other than those indicated herein
5. Use this machine by unqualified or untrained personnel. Including use of non-original spare parts, insufficient maintenance, etc.
6. Accidents or damages caused by unauthorized disassembly or modification of the machine.

The information and specifications contained in this manual are subject to change without notice and keep the right to modify or revise this manual at any time. Copyright© 2024 DJPOWER all rights reserved.

1.5. Safety Notes

Please read the following Safety Notes carefully before working with the product. The notes include important safety information about installation, usage, and maintenance.

1.5.1. Personal Safety

- Make sure that children, unauthorized people and animals do not obtain access to the machine.
- After the machine is turned on, it is strictly forbidden to stay in the dangerous area of the machine.
Safety distances for JF-3: At least 5m in all projection directions.
- Please prepare dry powder and fire extinguishing equipment at the machine use place. Always have a dry powder fire extinguisher, CO2 fire extinguisher, and an extinguishing blanket in case of needed.

1.5.2. Mounting and Rigging

- CAUTION: When transferring product from extreme temperature environments, (e.g. the transition from cold and dry to warm and humid) condensation may form on the internal electronics of the product. To avoid causing a failure, allow product to fully acclimate to the surrounding environment before connecting it to power.
- Do not mount the product on a flammable surface (linoleum, carpet, wood, paper, carton, plastic, etc.). Keep a safe distance from the unit, the unit can only be placed horizontally.

1.5.3. Power and Wiring

- Please use a grounded socket to avoid the risk of electric shock.
- Make sure power supply is consistent with the rated voltage of the equipment, unplug and turn off the machine when not use.
- Check that the power cord is not pinched or damaged.
- Do not connect the machine to a dimming controller or varistor.
- Do not disconnect the power supply by pulling the power cord.

1.5.4. Operation

- The maximum ambient temperature is 40°C. Do not operate the machine in a high temperature environment.
- Do not operate this product if the machine casing or cable is damaged. Immediately ask the authorized technician to replace the damaged part.
- Make sure there are no flammable materials around the machine before operation, and keep a safe distance between the person and the equipment. The safe distance for the JF-3 is: at least 5m in all projection directions.
- Do not attempt to repair or modify the machine yourself without any training or authorized technicians to avoid damage or malfunction.
- When the machine is powered on, someone should be in charge of the machine or pull the warning line.

- The operator responsible for the control of machine must always have a clear view of the device, so that he/she can stop the show immediately when there is danger. The main AC power switch should near operator. So that operator can turn off the power of all devices in case of abnormal.
- If there is any abnormal working situation, please stop using the machine immediately, cut off the power supply, and check the flame fluid, fuse, cable and power plug. If the problem cannot be solved, please contact the manufacturer.
- Drain the tank before transporting the product.
- The machine does not contain any user disassembled and self-repaired or modified parts. Do not attempt to repair or modify the machine yourself without any training or authorized technicians to avoid damage or malfunction.
- Be sure to use the suitable flame fuel indicated in the user manual, otherwise, it is easily lead to failure or danger. Be careful when refill the flame fluid tank. Please keep flame fluid away from heat source, sparks, fire or other possibility of ignition.



Don't use water or other liquids as a substitute for the dedicated consumables, otherwise it may cause serious malfunctions.



Please save this manual for future use. Sell the machine again, be sure to attach the instructions.

2. INTRODUCTION

2.1. Description

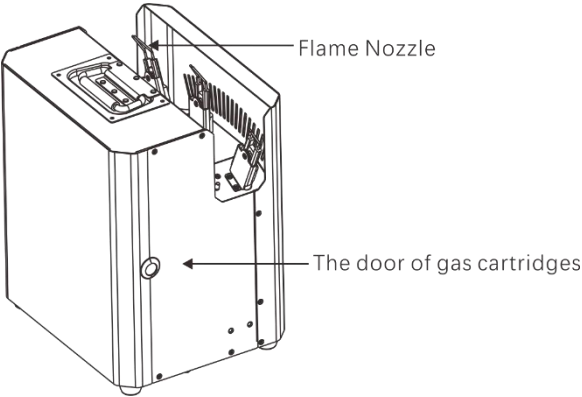
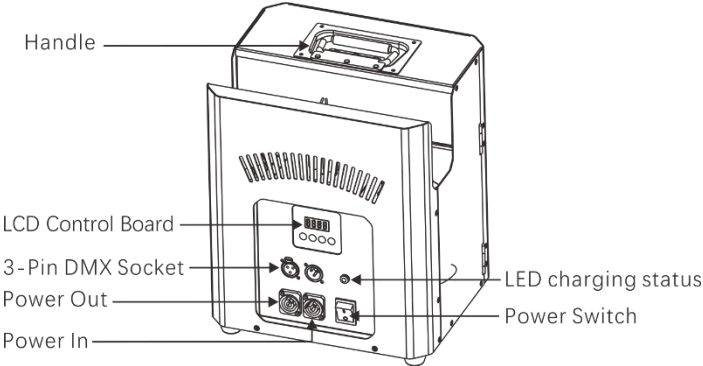
JF-3 is DJPOWER's newly developed gas flamer, equipped with electric pulse ignitor and dual ignition, Three nozzles are arranged in a fan shape which can produce nice fire effect, flame effect reaches up to 3-4m. Light weighted and compact design, easy to carry. It has a safety channel and anti-tilt device, which automatically cuts off the power and stops working when the machine slant, higher safety factor. Built-in DMX control, multiple machines can be used in series, easily create excellent atmosphere.

2.2. Features

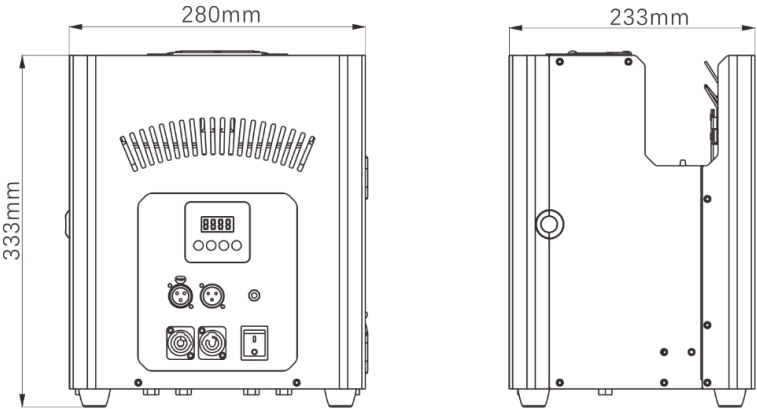
- Electric pulse ignitor and dual ignition;
- Flame effect reaches up to 3-4m, powerful output flame;
- Equipped with safety channel and tilt protection, high safety factor;
- Built-in DMX control, multiple machines can be used in series.

Note: The actual effect may be affected by the use environment.

2.3. Product Overview



2.4. Product Dimensions



3. TECHNICAL SPECIFICATIONS

Voltage	AC 100-120 V,50/60 Hz	AC 220-240 V, 50/60 Hz
Power	63 W	63 W
Horizontal placement	√	
Tilt	×	
Side placement(Do not cover the heat dissipation when place on the ground)	×	
Up-Side-Down	×	
Hang	×	
Body Control	Digital display	
Wireless Control	×	
Wire Control	√	
Maximum Output Height	Appr. 3-4 meters (no wind condition)	
Consumable	Butane gas, gas cartridges bottle	
DMX Channel	6	
Net Weight	8.7 kg	
Gross Weight	9.4 kg	
Machine Dimensions	280 × 233 × 333 mm	
Packing Dimensions	342 × 294 × 390 mm	

4. SET UP

4.1. AC Power

The machine has two kinds of voltage power supply, it can work with an input voltage of AC 110 V-120 V, 50/60 Hz or AC 220 V-240 V, 50/60 Hz.

To determine the product's power requirements (circuit breaker, power outlet, and wiring), use the current value listed on the label affixed to the product's back panel, or refer to the product's specifications chart. The listed current rating indicates the product's average current draw under normal conditions.



Always connect the product to a protected circuit (circuit breaker or fuse). Make sure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.



Never connect the product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.

4.2. AC Plug

JF-3 comes with a anti-loose power plug on one end. The other end is

- CN plug (CN market, etc.)

- EU plug (EU market, etc.)
- US plug (US market, etc.)

If the power input cord that came with your product has no plug, or if you need the change the plug, use the table below to wire the new plug:

Connection	Wire (China)	Wire (Europe)	Wire (U.S.)
AC Live	Brown	Brown	Black
AC Neutral	Blue	Blue	White
AC Ground	Green/Yellow	Green/Yellow	Green/Yellow

5. OPERATION

5.1. Preparing for Operation

JF-3 only can controlled by DMX, before operating the machine, please follow the below steps to prepare:

- Before operation, please ensure that there are no flammable materials around the machine, and people and equipment should maintain a certain safe distance. Safety distances for JF-3: At least 5 meter to the other sides of the device.
- After checking that all the parts are intact and complete, position the machine on flat.
- Plug the power line into the grounded socket and turn on the switch. Connect the DMX output of the DMX controller to the DMX input socket on the machine through the DMX signal line. After the machine accesses the DMX signal, the display screen can only display the DMX address setting page. At this time, the DM512 address can be set and modified by pressing "▲" or "▼" button.
- The machine has a safety channel, which needs to be opened during operation. You can set channel 6 to "50 to 200". After turning on the safety mode, the indicator light flashes.
- When the safety mode is turned on and the indicator flashes, set the corresponding values for channels 1 to 5 to spray.
- The operator should near the machine and be able to directly see the status, and immediately terminate the performance when there is a danger. There should be a total AC power switch near the operator. When an abnormality occurs, the power should be disconnected in time. This is the safest way to do this.

5.2. Operation Cautions

Please read the silk-screen logo on the flame machine.



Note:

- Safety distances for JF-3 are indicated in above picture. At least 5m to the other sides of the device.

- The nozzle is still hot after the flamer worked, to prevent burns, do not touch, wait for natural cooling.
- Before shutting down the machine, please close the safety channel, turn off the power switch, disconnect the power cord and DMX cable, remove the flame fluid, and clean up the machine.

5.3. On-device Control Panel

To access the control panel functions, use the four buttons located underneath the LCD display.



Button	Function
<MENU>	Switch menu pages to select a function
▲	Increases the numeric value of current function
▼	Decreases the numeric value of current function
<ENTER>	No function

5.4. Display Page

	Display	Description	Parameter Range
Starting Page		The machine can start working	
Setting Page		Set DMX address	1-507

5.5. DMX Mode & Operation DMX



DMX 6-channel mode requires the security channel to be activated before other channels.

Channel	Function	DMX Value	Description
1	Firing 1	0-253	OFF
		254-255	ON
2	Firing 2	0-253	OFF
		254-255	ON
3	Firing 3	0~253	OFF
		254~255	ON
4	Full(1/2/3)Firing	0~253	OFF
		254~255	ON

5	Alternate spray	0-11	OFF
		12-133	Spraying from left to right, with higher values indicating faster spraying.
		134-255	Spraying from right to left, with higher values indicating faster spraying.
6	Safety channel	0~49	OFF
		50~200	ON
		201~255	OFF

5.6. Anti-tilt function

When the machine body tilts, the power will be automatically cut off, and the machine will stop working.

6. MAINTENANCE

1. Please clean the machine regularly and wipe the nozzle with a dry cloth to keep the machine in optimum performance and equipment condition.
2. If the machine does not work properly, please contact the factory.

