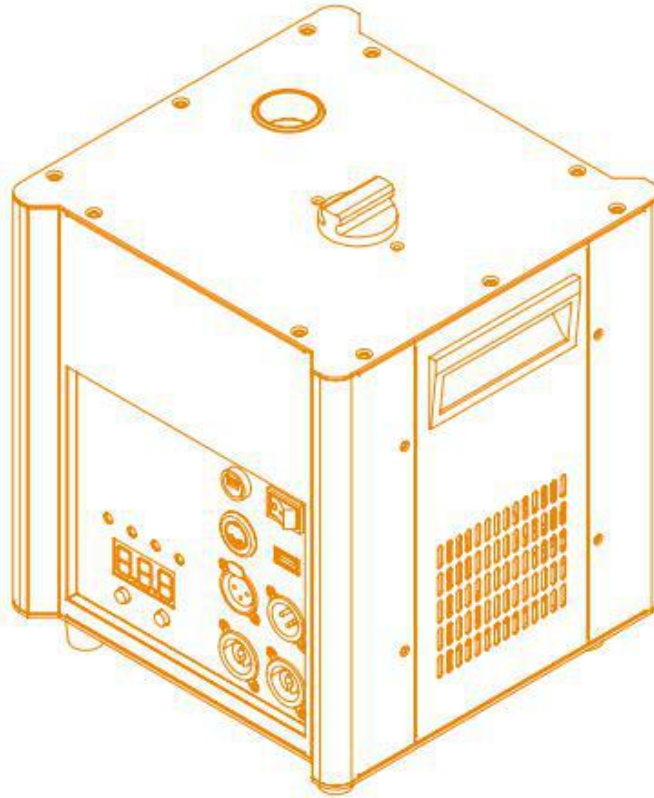


iSparkFX™



M1 Cold Spark Machine

User Manual

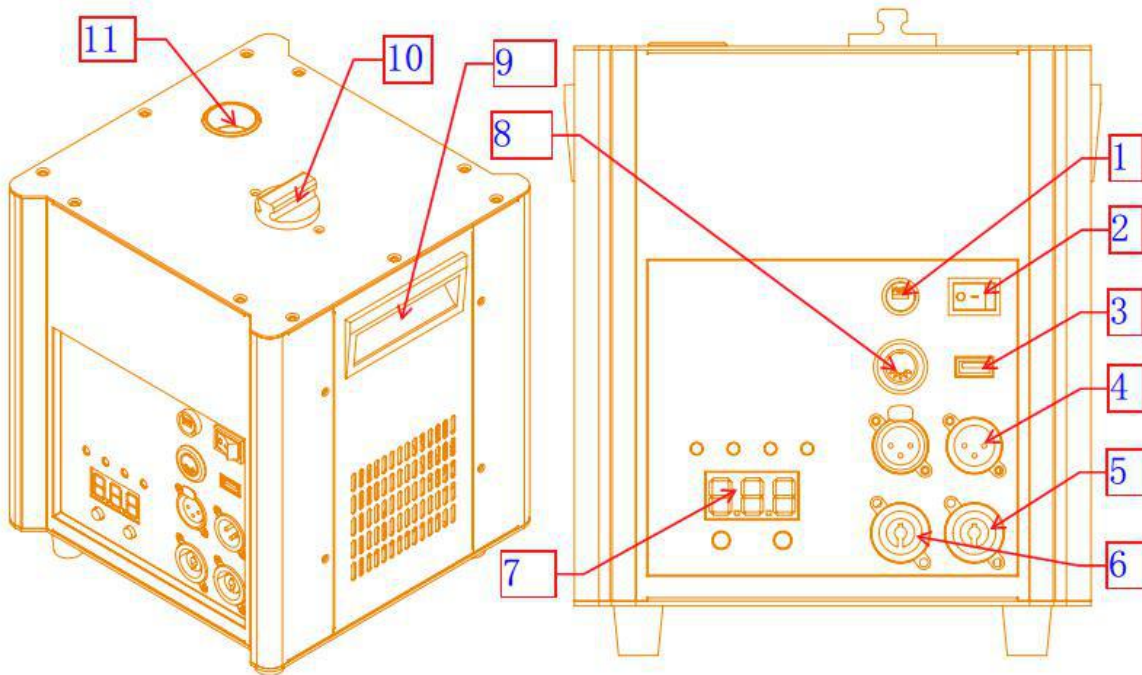
1.Introduction:

Thank you for choosing the “spark” machine We recommend that you carefully read these operating instructions before commissioning the unit. Please follow the instructions in this manual. This is the only way to ensure safe operation, proper use and long service life.

Feature:

- ◆ Environmental protection,safety:no gunpowder and no irritant
- ◆ Support wireless control and DMX, operate is more easy and convenient. Maintenance:
- ◆ Please clean the machine regularly. It will reduce the replacement and repair cost of spare parts.
- ◆ Do not use for a long time, to clean the machine and make extra powder out.

Product description:



1. Fuse	4.DMX-512	7. Display board	10.Powder entrance
2. on/off switch	5..Power out	8.wire control plug	11. Spark nozzle
3. USB	6. power in	9. handle	

2:Safety instructions

◆ **Keep away from humidity, water and dust!** Avoid placing the device in a location with high humidity or excessive dust.

◆ **Place the device on a firm ground!**

To avoid vibrations always place the device on a firm ground.

◆ **Do not use chemicals for cleaning!** Use a clean and dry cleaning rag to remove dust. Metal parts can be

cleaned with a dampened cleaning rag. Before cleaning always unplug the device from the power supply.

◆ **If the device is not working properly!** If problems occur unplug the device from the power supply. The user

should not try to service the device independently. All repairs and service must be performed by a qualified technician.

◆ **Eye Protection** The eye protection warning icon is shown to indicate that you must protect your eyes when close to the machine during machine operation.

◆ **The safety distance to the audience must be 2meter** Never aim the nozzle on people and keep a distance from 1 meter to the nozzle. Don't spray on the food.

◆ **ATTENTION!** Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any consequent secondary failures. Only skilled workers are allowed to carry out the electrical connections. All electrical and mechanical connections have to be carried out according to the European safety standards.

Outdoor powder cannot be used indoors! When using outdoor powder, there should be no carpet around the spark machine, and other inflammable articles! The powder should not be exposed to the air. If a bag of powder is not used up, it should be kept in a sealed condition and not exposed to open fire.

◆ **NOTE:** Machine must be vertical if has powder in the tank. Must take out all powder when machine shipped.

3. Technical data

W-12 Wireless Controllers-----Instructions: There is a receiver and a transmitter with 12 buttons When the heating is complete, the green indicator on receiver will light on ; when the heating is not finished, the red indicator lights on. Only when the machine finished the warming up and ready ,the device can work .



Transmitter button description:

Power button: activate the button function of the wireless controller

Stop button: Stop the spark effect

Clean button: clear powder inside

ON(Pre-heat)button: Start preheating

OFF(Pre-heat)button:Stop preheating

5S button: continuous work for 5 seconds

10S button: continuous work for 10 seconds

15S button: continuous work for 15 seconds

30S button: continuous work for 30 seconds

Low(Height): Low spark effect

Middle Height): Middle spark effect

Hight (Height): Hight spark effect



4.Specification :

Rated voltage	AC220V/50Hz	Wireless controller	W-12
Rated power	500 W	Display screen	Digital display board
fuse	4A	DMX	support
Pre-heating time	<8 min	DMX channel	2
Spark max height	2-5M	DMX range	1-512
Spark height change	support	Machine size	210*218*260mm

5.Operation

Before using:

- ◆ Never stand directly below the device when it is being mounted, removed or serviced. Have a qualified technician check the device annually and additionally before placing into service if stored for an extended period of time.
- ◆ Install the device in a secure location that is inaccessible to unauthorized persons. This machine can only be used by adults.
- ◆ Make sure there is no flammable material within a 10ft radius of the device. There can be no objects blocking the use of the machine.
- ◆ Be sure that the local power outlet match that or the required voltage for your machine.
- ◆ Can not join any flammable liquid, such as oil and gas.
- ◆ Be sure the lid is well covered before use the machine, or the spark will splash out.

Usage method:

- ◆ Place the unit on a flat, dry surface. The machine CAN NOT be sidelong or upside down, please pay attention to keep upright only. Otherwise the spark will not be vertical and probably make the machine damaged.
- ◆ fill the powder reservoir with our powder only then tighten the cap .
- ◆ Connect with the correct power supply and switch on the power button
- ◆ Connect the W-12 receiver
- ◆ You can see “OFF” at display board .then use W-12 transmitter –press **power button** on transmitter to activate the buttons function ,then press **ON(Pre-heat)button** to have the device start to preheating ,at that time you can see the display change to different data.
- ◆ When finished warming up ,it will show “FFF” ,and ready LED(above the display board) will light on
- ◆ At that time ,you can use transmitter to have it work .or use DMX to have it work .below some more description FYI: OFF :Indicates that the machine is powdered but did not start to warming up FFF: The green light indicates that the machine is ready to Work. DMX:Red light flashes to indicate a successful DMX FAULT:Red light indicate error alarm.

6.DMX CHANNELS

When using the DMX mode, two channels are occupied.

First channel	Function
0	Fountain off
1-255	Fountain on
Second Channel	Function
0-20	Pre-heat off, And the first channel is invalid
50-100	Pre-heat on, And the first channel is valid
150-200	Clear Material, And the first channel is invalid

7.IMPORTANT NOTES

- 1). This machine can be put upright only!
- 2). Add powder and TIGHTEN the cap !
- 3). NEVER POUR SPARK POWDER INTO THE SPARK DISCHARGE OPENING! THIS CAN BE DANGEROUS! SPARK POWDER MUST ONLY BE ADDED TO THE STORAGE TANK THAT REQUIRES THE REMOVAL OF THE PROTECTIVE CAP. DO NOT OVERFILL! AFTER FILLING REPLACE CAP AND TIGHTEN.
- 4). Please do not test the spark for a long time, which will reduce the use time of the machine sparking .
- 5). After each time use before shipped ,please clear granules from storage tank, allow machine to cool, then remove tank cap and invert machine to shake granules out of tank.
- 6). The powder should not be exposed to the air. If a bag of powder is not used up, it should be kept in a sealed condition and not exposed to open fire. Store or dispose of properly!
- 7). Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any consequent secondary failures. Only skilled workers are allowed to carry out the electrical connections.
- 8). Outdoor powder cannot be used indoors! When using outdoor powder, there should be no carpet around the spark machine, and other inflammable articles and must be outside !

8.Warranty Instructions

- ◆ Warranty period: one year(the date of purchase)
- ◆ IF the buyers do not use the same supplier's powder,the machine warranty period will be 3 month. The buyer will pay for the expenses if there are any components changes.
- ◆ In such In the following cases, the product will not be guaranteed:
 - A: the product has been incorrectly operated and used inadvertently, for example, over load, over pressure, and firing;
 - B: the product was broken because of careless handling;
 - C: due to poor use of environmental factors and sound quality problems, such as: humidity, voltage instability, etc.;
 - D: products have been modified by non factory personnel.
- ◆products comply with the warranty provisions, the factory will not charge maintenance fees and accessories costs, for more than the warranty period of the product, only the corresponding parts, finished goods costs.
- ◆the contents of this warranty card, the company has the right to interpret, if the user is unknown, please contact the local distributors.
- ◆not covered by the warranty include: packing box, packaging, product shell and hanger, remote control transmitter battery.