

# User Manual

Model: MINISPARK



| Outlook function description |                                  |   |                    |                          |             |
|------------------------------|----------------------------------|---|--------------------|--------------------------|-------------|
| 1                            | Spray hole                       | 4 | Fuse               | 7                        | Cooling fan |
| 2                            | Dust net                         | 5 | Power port         | 8                        | Access hole |
| 3                            | Power switch                     | 6 | Powder hole        |                          |             |
| Product Parameters           |                                  |   |                    |                          |             |
| Fountain height              | 2-3m                             |   | Fountain direction | Up                       |             |
| Interface                    | Double AC power                  |   | Control mode       | Remote                   |             |
| Gross Power                  | 350W 3.6A 110V<br>350W 1.8A 220V |   | Heating way        | Resistance wire heating  |             |
| Power box capacity           | 50g                              |   | Housing material   | ABS+PC                   |             |
| Fuse                         | 110V/6A, 220V/3A                 |   | Size/N.W.          | 135*135*170mm<br>1.58kgs |             |

## 1. Package Contents

### Included in delivery:

- 1 x cold spark machine;
- 1 x power cord;
- 1 x remote controller;
- 1 x User manual.

## 2. Indicator Description

**HEAT:** Red light When the machine is heating, signal light is on.

**READY:** Green light When the "READY" green light turns from flashing into light on, it indicates that the machine is ready to work.

**FAULT:** Yellow light The light is on with any malfunction.

**HIBERNATE:** Blue light If there is no operation during the heating or ready state for more than 2 hours, the machine will enter sleep mode.

## 3. Remote Controller



**ON:** When the green light is flashing, press this button briefly to enter the heating state.

**OFF:** Press to turn off heating.

**Start:** Press to start spraying fireworks. Automatically stops if no operation within 15 seconds.

**Stop:** Press to stop spraying fireworks or stopping material cleaning.

**CLE:** Press to start material cleaning.

## 4. Operation Instruction

When the machine starts, it will enter self-test mode. The blower will run for about 1 second. If the green light flashes, it indicates that the machine is not faulty and is in standby mode. At this point, press the ON button to enter heating mode. The red light will remain unchanged, and the heating will last for about 3 to 5 minutes. The green light will remain unchanged, indicating that the heating is complete and the machine is ready. Press the start button to start spraying sparks upwards, and the spraying will automatically pause for 15 seconds upon completion. You can also stop spraying by pressing the stop button. After using the machine, press the CLE button to clean the materials.

## 5. Consumables

### 1) The consumables are classified as:

SMALL: the spark fountain height 2.0-3.5m (error 0.5m), and the spot is rarely dropped, use for indoor.

LARGE: It is forbidden to use outdoor powder, which will cause material jamming and poor spraying effect due to temperature.

**2) Consumables choice:** Consumables are the customized formula for the test of our machines. Please select our consumables to avoid affecting the effect of the machine; (No warranty service is provided for machines damage caused by consumables not from our company).

**3) Consumables save:** Consumables should be kept in a dry and sealed environment to prevent moisture. (wet and sundry consumables should not be used).

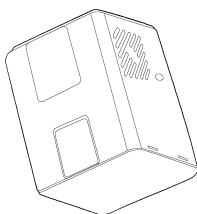
**4) Consumables add:** Please stop running the machines before add the consumables, to avoid accidental injury.

## 6. Clean and Maintenance

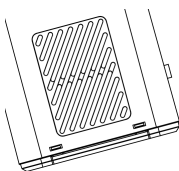
**1)Cleaning function:** Must do clean Powder after each events used, avoid be stuck by inside powder for next use. The series of products designed two automatic modes of cleaning remaining consumables.

**Operation step:** Firstly empty the remaining powder in the material box, and then press the clear button until no sparks are ejected.

If you need to save the equipment, please pour out the remaining powder inside for separate storage after cleaning, avoid to affect the next use of the remaining powder affected by moisture.



**2) Dust net cleaning:** Please clean the dust net regularly, to avoid block the dust net and influence heat dissipation of machine.



**3)External cleaning:** Please wipe the machine gently with soft cotton, to avoid scratch the machine housing.

## 7. After-sales

1)Warranty: 1 Year (Subject to the date of manufacture).

2)Each machine is affixed with the factory code. The factory code shall be provided when enjoying the warranty service. It is invalid if torn.

It's may need provide some videos or pictures to confirm the problems.

## 8. Warnings and Cautions

|   |   |
|---|---|
|  | Above: Holes for adding powder<br>below: Spark spray outlet   |
|  | The sign is to remind users of paying attention to risk and security. Please note that the machines are not meant to be a continuous duration effect. The maximum running time is 15 second and can be repeated but should not be done to overheat the machine.   |
|  | Eye protection warning sign is to remind you of protecting the eyes during the machine operation.   |
|  | Warning: Dangerous voltages are present in this machine when electrical power is applied. There is a danger of injury from electric shock. Under no circumstances are you to attempt to open the machine or attempt to remove or adjust any components fitted within the machine.<br>Only fully trained engineers can open the equipment. |
|  | Use caution so that any liquids do not wet the machine.<br>Keep the machine and controller dry and not use rainy or snowy days unless covered.  |
| <b>Cleaning</b>   | Please inspect fountain nozzle before use and confirm whether there are accumulation granulates. If it does, please clean out by inverting the machine to clean out port.   |

1) The machine built-in protection procedures, will stop auto, once do fountain over 15s each time. If need it to work again, please operate the second channel again. The continuous shooting time is too long, the internal temperature will rise sharply and cause permanent damage. Suggest not do continuous shooting over 1minutes.

2) No in/out ports, cannot be series connection.

3) If there is no spark out with enough consumables or other abnormal situation, please stop running machine and contact after-sale service for help.

- 4) After use the machines, do not immediately turn off the power. The heat-dissipating fan should take out the internal air when the power is on. Otherwise, the internal heat is quickly transmitted to the surface of housing.
- 5) Please place the equipment in an open place and keep a safe distance of more than 5 meters from the personnel.
- 6) Make sure the device is off before filling the consumables
- 7) If the consumables are accidentally ignited, please use the sand to extinguish, do not use water.
- 8) Damage caused by improper use or human factors is not covered by the warranty.