

CSF750

User Manual



Safety

Warnings and Cautions



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 30 second and can be repeated but should not be done to overheat the machine.

Eye Protection



Eye protection warning sign is to remind you of protecting the eyes during the machine operation.

Injury Voltages



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.

Only fully trained engineers can open the equipment.

Caution Against Liquids



Use caution so that any liquids do not wet the machine.

Keep the machine and controller dry and not use rainy or snowy days unless covered.

Warning



Please prevent anything from entering the fountain port, if this happens Please clear obstructions before continuing operation.

Please prevent machine from dropping when installing “DAMAGE CAN OCCUR”.

Cleaning



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.

Security Considerations:

1. Unauthorized repair is prohibited, or else it may cause serious accident.
2. Keep machine dry and do NOT use in rain or snow.
3. Make sure the hopper lid is well covered when use machine Accidentally Burning of Composite Ti can only use sands to extinguish. Composite Ti should be stored in a dry sealed environment.
4. Keep audience and flammable material at a minimum distance of 3m from machine. Make sure sparks shooting out from machine can NOT reach any objects.
5. It is necessary to clean the Composite Ti remains in the pipe before and after the show. Check whether there are Composite Ti remains in the nozzle after each show. If it does, please clean it up, or else it will affect the shooting effect or even damage machine
6. Connection maximum is 6 pieces, and over-connection may result in damage or even fire.
7. For better heat dissipation, do NOT block the air intake and air outlet.
8. Cover nozzle is prohibited.

Parameter(machine):

Model:	1(DMX control mode) 2(DMX+remote control mode)
Working Height:	1-5 meters
Working Temperature:	-10℃-50℃
Power:	750w 3.6A (110V version) 750w 1.8A (220V version)
Fuse:	110V/10A, 220V/6A
Control:	DMX/remote control+DMX
Net Weight:	9.5kg
Dimensions:	230*195*300mm
Max connections:	6 pieces
Warranty:	1 year
Package:	Carton box Flight case(2 in 1) Flight case(4 in 1)

Parameter(consumables):

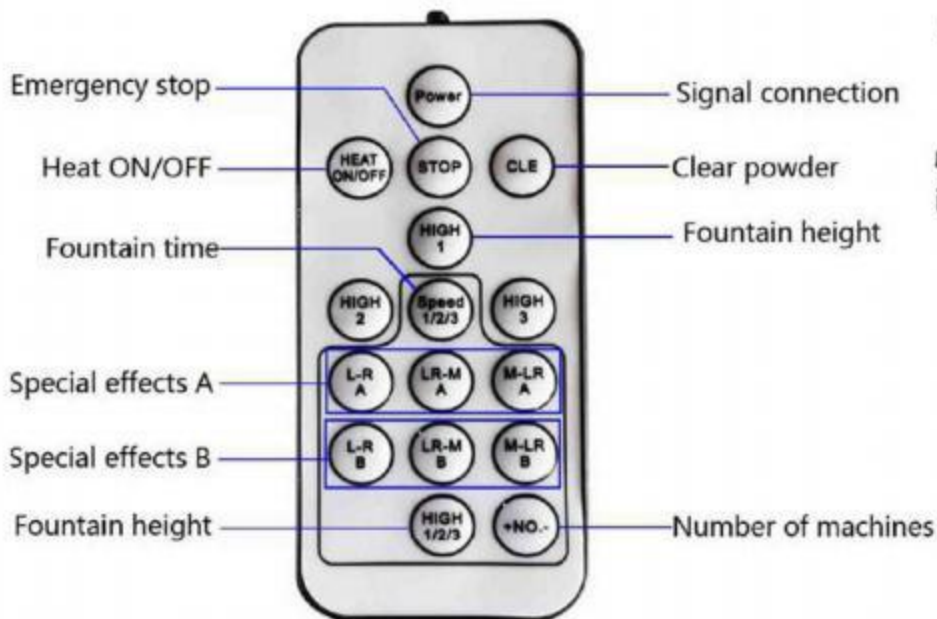
Consumable material:	Titanium Alloy Grains
Net Weight:	200g
Usage:	total 15-20 minutes spark shooting
Package:	Vacuum packing

DMX 512 setting:

The first channel:	Functions:	Digital display
0-10	Pre-heat OFF	
11-220	E-stop	E57
221-239	clear powder	CLE
240-255	Pre-heat ON	

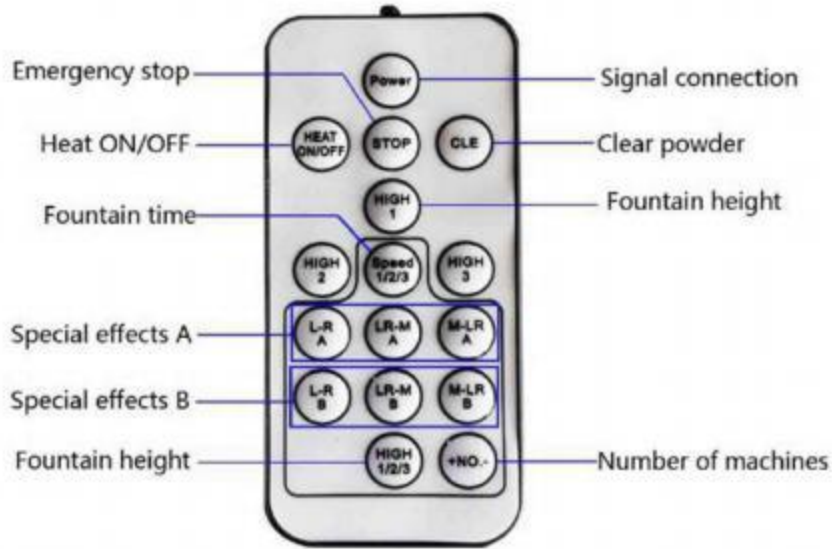
The second channel:	Functions:	Functions:
0-15	Pre-heat OFF	OFF
16-63	working height 1	F1
64-111	working height 2	F2
112-160	working height 3	F3
161-208	working height 4	F4
209-255	working height 5	F5

Operation Panel:



t 5 minutes, when the
tes that the machine is
signal.

ip" button adjust DMX
is heating, LED screen



Suitable models instruction: this remote controller be suitable for all of models with remote function.

Suitable machines instruction: this remote also can control previous machines, but just do the basic control functions, cannot realize special effects, that functions show in black line.

Buttons usage instruction: the remote controller include two parts, one for basic functions, another for special effects(the functions within black line)

① Power: (signal connection) short press 1second is connect the machine, the display will show "FFF" after connected, then "FFF" will change to special effects address as below show, that's connected successful. Long press 3seconds is unconnected, the display show "OFF", then change to "001" as below:

Signal connected successful:

Signal unconnected:

② HEAT ON/OFF: (Heat ON/OFF) press button start to heat, red indicator light will lighting, the display will show heating temperature; long press 3seconds is stop heating, the heat indicator is off, show the address code of the special effects.

- ③STOP: (Emergency stop) stop do fountain.
- ④CLE: (Clear powder) the machine will do clear powder 30seconds automatically. (pls pour out the rest powder from powder box of machine before do this function)
- ⑤HIGH1/HIGH2/HIGH3:(Fountain height) high 1 - fountain lowest, high 3- fountain highest
- ⑥Speed: (Fountain time adjustment) multi-machines do fountain effects, the fountain time of each machine can be adjusted by short press 1-3seconds, which can be adjusted during fountain.
- ⑦L-R A:from left to right each machine do fountain on sequence.
- ⑧LR-M A:from left & right side to middle, there have two machines do fountain at the same time.
- ⑨M-LR A:from middle to left & right side, there have two machines do fountain at the same time.
- ⑩L-R B:from left to right increase one machine do fountain, till all the machines in fountain.
- ⑪LR-M B: from left & right side to middle increase two machines do fountain, till all the machines in fountain.
- ⑫M-LR B: from middle to left & right side increase two machines do fountain, till all the machines in fountain.
- ⑬HIGH1/2/3: do special effects can adjust fountain height, will show different fountain height press every-time.
- ⑭+NO.-: the number of machines be adjustment, how many machines you need used, then adjust the same number as used, the maximum add to fifteen machines.

Operation do normal fountain:

- 1) Press "power" to connect the machine.
- 2) Press "HEAT ON/OFF" start to heat till green indicator light always in lighting.
- 3) Press "HIGH1/HIGH2/HIGH3" do fountain.

Operation do special effects fountain:

- 1) Press "power" to connect the machine.
- 2) To adjust each machine special effects address code by address code button as picture



show; the display will show the number or letter (A、B、C、D、E、F are correspond number 10 to 15 respectively), like below picture show "3" means this is the third machine.



- 3) Press "+NO.-" adjust the number of machines be used, the display will show number or letter (A、B、C、D、E、F are correspond number 10 to 15 respectively), as below picture show the right number "4" means total machines qty.



4) Press "Heat ON/OFF" button start to heat, red indicator light will lighting, the display will show heating temperature.

5) Press special effects A or B buttons will have related special effects, it should be do based on finished heating, till the green indicator light always in lighting.

Eg: there have eight machines do special effects, then the programme will show as below:

F18 F28 F38 F48 F58 F68 F78 F88

Fault light (yellow) display and treatment method

Display content	cause of issue	Approach
E01	Heating failure	1: Check whether the heat dissipation of the heating plate is normal, 2: Replace the heating plate
E02	Uncontrolled heating	1: Replace the heating plate
E03	The internal temperature of the machine is extremely	1: Check the cooling fan, 2: Stop heating and spraying, and restart after 10 minutes

	high	
E04	Fan does not turn	1: Check whether there is any foreign matter falling into the spray nozzle; 2: Replace the fan motor
E05	Bad sensor	1: Check the sensor socket, 2: Replace the sensor
E06	Anti-tilt protection function	Shut down and restart

Note: After all the fault lights are on, you need to restart the machine until the fault lights are off before the machine can work normally.

Power cable connection :

For convenient use, there are power supply cable and power supply ex-cable. power Supply ex-cable can achieve multiple devices connected, and maximum cascade is 6pcs.

If you use mobile power plate, be sure to use good quality and match rated power products. 6 pcs machines requires around 2400 watts, cores should be over 1.5 square.

➤ **Material clean(important note):**

1. Please empty the powder by turning over the machine and clean remnants (DMX control address: 221-239) after use.
2. If the remnants are stuck, you have to open the housing and manually rotate the chain anticlockwise.
3. We don't offer free warranty once the machine stops working without clean process after use.

➤ **Dust clean(important note)**

1. Take down the dust-proof net to clean the dust.
2. Unplug the two plugs below machine and shake It.

➤ **Warning:**

1. Do not run over 30 seconds for each time.
2. Make sure the device is turned off while refilling
3. In case of fire, use sand to extinguish. Do not use we will not provide free warranty
4. Keep away from children
5. Damage caused by improper using, installation, transportation, and maintenance, or damage caused by human factors are out of our warranty service range.