

SHOWVEN®

SPARKULAR miniFALL USER MANUAL

V1.0



Showven Technologies Co.,Ltd.

User Manual


SPARKULAR miniFALL

- ★ Please read this manual carefully before operating the product.
- ★ This manual contains the warranty card, please keep it well.

Safety Considerations

- » Never touch the nozzle of SPARKULAR miniFALL, danger of getting burnt;
- » Never touch the sparks which shooting out from the nozzle.
- » Unauthorized repair are prohibited, it may cause serious incident.
- » Keep SPARKULAR miniFALL dry and do NOT use in rain or snow.
- » Make sure lid of feeding hopper are well covered when use SPARKULAR miniFALL. Accidentally burning of Composite Ti can only use sands to extinguish. Composite Ti should keep away from moisture and stored in a dry sealed environment.
- » Keep audience and flammable material at a minimum distance of 1m from SPARKULAR miniFALL and the sparks it generated. Make sure sparks shoot out from Sparkular miniFALL can NOT touch any objects.
- » After the show, please stop preheating or powering off and move the SPARKULAR miniFALL only after it cooling down for more than 5 minutes.
- » The SPARKULAR miniFALL power supply cable (SPARKULAR miniFALL power supply EX-cable) maximum allowed cascade for SPARKULAR miniFALL is 12pcs, exceeded connecting may result in damage .
- » For better heat dissipation, block the air intake and air outlet is prohibited.
- » Cover of nozzle of SPARKULAR miniFALL is prohibited.

Sparkular miniFALL Model No.BT14

	Parameter	
	Size	150×160×240mm
	Hopper capacity	280g
	Material Consumption	15g/min
	Weight	3kg
	Input	220 -240VAC, 50/60Hz
	Working Power	130w
	Working Temperature	-10 °C ~ 50 °C
	Casing	Anti-flame ABS
	Fall Length	3-4m(large), 2-3m(medium)
	Interface	Double DMX input interfaces, double AC power interfaces

Feature :

- » D-Quiet technology, no noisy
- » Ultra-light weight
- » Low power consumption

Operation Panel:



LCD information display area, showing operate menu and working status of machine.

Light emitting diode display area:



READY: After turning on machine, it will automatically preheat around 6 minutes, when the "READY" green light turns from flashing into long on, indicates that the machine is ready to work. When it flashes slowly, it indicates some error.

DMX: Flashing shows that DMX signal is connected, otherwise is without signal

FAULT: When any malfunction, the light turns on

HEAT: When the machine is heating, signal light turns on

Bottom Indication Light:

Quick Flashing: Preheating

Long on: Finish preheating and ready to work

Slow Flashing: Error warning



MENU: Short press to switch interface, press for 3 seconds can switch to the advanced setup interface.

-: Parameters down

+: Parameters up

ENTER: Confirm and save parameters.

Radio frequency identification area:

Composite Ti with RFID card, swiping cards used to identify parameters and types of granules.

Please note that granules RFID card can increase the single machine specific working time. The card is disposable, can only use once.



Interface

Main Interface:



First line : Display DMX address is “1”.

Second line : Display the present inner core temperature and the temperature progress bar; displays remaining time is 7 minutes and 24 seconds.

Error informations display table :

Error Informations	Explanation
E0 System IC	System error.
E2 Temp. Sensor	Temperature sensor was damaged.
E3 P Temp. Over	Machine stops working due to the chassis temperature is too high
E4 Time Remain	Insufficient granules or remaining time, please swiping RFID card.
E5 K Temp. Over	Machine stops working due to the inner core temperature is too high
E6 Heat Fail	Heating failed.

Setting interface :

Press “MENU” to enter the Setting interface, press the “MENU” button to enter different options until you return to the main interface.

Options	Range	Instructions
Set DMX Address	1-512	Set the DMX address.
Wireless Control	ON/OFF	Wireless function switch. you can match codeWhen shows “ON”
Manual Fountain	ON/OFF	Manual fountain switch , for testing purposes only.

Advanced menu :

Press “MENU” 3 seconds to enter the advanced setup interface, press MENU key to enter different options, wait 3 seconds to return to the main interface.

Options	Range	Explanation
Set Temperature	500-620	Setup inner Core temperature. Please don't change default value without engineer's suggestion from SHOWVEN.
Auto Heat	ON/OFF	Auto preheat function switch after turning on machine
Density	70-100	Adjust the sparks density. Please don't change default value without engineer's suggestion from SHOWVEN.
Mode Selection	Factory Mode/ User Mode	Factory Mode is factory debugging mode, User Mode is using mode
DMX Channel Mode	2 DMX Channel/ 4 DMX Channel	2 DMX Channel is standard mode, 4 DMX Channel is speical mode.
Default Parameter		Press "ENTER" to restore all parameters to the factory settings.
Standby Switch	On/Off	When it's on, the machine can only generate spark when pre-heating finish.

Cable DMX mode :

When using the DMX controller, the system takes 2 channels

The First channel	Functions
0-15	Fountain OFF
16-255	Fountain ON
The second channel	Functions
60-80	Clear Material
20-40	Emergency Stop
0-10	Pre-heat OFF (Disable in Auto-heat)
240-255	Pre-heat ON (Disable in Auto-heat)

Please don't set the same DMX address when controlling with host controller ZK6200/ZK6300.

Host controller can reduce the performance risk by monitor the working status of each machine.

Warranty instructions

▲ Sincere thanks for your choosing our products, you will receive quality service from us.

▲ The product warranty period is one year, If there is any quality problems, we can exchange a brand new same model machine to you within seven days after receive the product.

▲ We will offer free of charge maintenance service for machines which with hardware malfunction (except for the instrument damage caused by human factors) in warranty period. Please don't repair machine without factory permission.

★ Below situation NOT included in warranty service:

1. Damage caused by improper transportation, using, management, and maintenance, or damage caused by human factors;
2. Disassemble, modified or maintenance products without Showven's permission;
3. Damage caused by external reasons (lightning strike, power supply etc);
4. Damage caused by improper installation or use;

For product damage not included in warranty range, we can provide paid service.

Invoice and warranty card are necessary when asking for service from SHOWVEN.

Warranty card

Product Name:		Serial NO.:	
Purchase Date:			
Contact Number:			
Address:			
Customer Feedback Information:			
Actual malfunction:			
Maintenance details:			
Maintenance person:		Maintenance Date:	

SHOWVEN[®]



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