

SkyFetti

SF-SK18

USER MANUAL



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★ Please read this manual carefully before operating this product.

★ Warranty card attached in the manual, please keep it well.

NOTICE

Please read carefully this manual using this machine.

NOTICE

Only authorized personnel can use the machine.

NOTICE

While every effort has been made to ensure that all relevant components are described correctly and appropriately, this manual may contain errors and inaccuracies.

NOTICE

Do not use the machine if there are people or animals within the transmission range.

NOTICE

Make sure that children, unauthorized persons and animals cannot get access to the machine.

NOTICE

Make sure there are no free-standing objects or objects that could be damaged by the machine within the firing distance.

NOTICE

Do not connect more devices on one circuit than the installed fuse

NOTICE

Do not touch the machine while it is operating or turned on.

NOTICE

Do not remove any protective gear, helmets or safety signs. All required safety devices must be in good condition and function

FOREWORD

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. Strictly follow the instruction in the manual . If you have any doubts, please contact SPARK FABRICA by marketing@sparkfabrica.com.

We assume the person who use or come in contact with the device are familiar with how the device should be handled. This includes proper use, maintenance and repair of the machine as defined in this user manual.

DISCLAIMERS

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

1. Anoring warnings or regulations as shown on the machine or this manual
2. Use for other applications or circumstances other than those indicated herein.
3. Changes to the machine.Including use of non-original spare parts.
4. Removed safety cover without authorization from SPARK FABRICA.
5. Use this machine by unqualified or untrained personnel.
6. Improper use of machine.

If the information contained in the manual or the product specifications are changed, spark fabrica willnot inform you further and responsible for any errors or omissions. Our company reserves the right tomodify the user manual at any time.

1 TECHNICAL PARAMETERS

Identification	Manufacturer	SPARK FABRICA
	Name	SkyFetti
	Model	SF-SK18
AC Power	Input Voltage&frquency	AC 100-120V, 60HZ
		AC 200-240V, 50HZ
	Power	300W
Dmx Signal	Dmx Signal Interface	3PIN/5PIN
Confetti Barrel	Capacity	1kg confetti paper/10pieces streamer
	Diameter	10.8cm
	Length	68cm
Water Barrel	Volume	6L
	Diameter	10.8cm
	Length	86.5cm
Powder Barrel	Volume	3kg
	Diameter	10.8cm
	Length	86.5cm
Height	Color Paper	15-20m
	Streamer	15-20m
	Water	25-30m
	Powder	10-15m
Control	Inflation Time	About 3 minutes and 30 seconds
		DMX-512
	Control Mode	Dmx Control/Electric Control/DC Trigger
	Spray Angle	40°-70°
Accessory	Power Plug	1.6m
	Dmx Plug	3m
	Power Cable	3m
Weight	Weight	78kg
Dimensions	Machine Specifications	640mm*420mm*1080mm

1.1 PROFESSIONAL CONSUMABLES

Specialized Confetti/streamer/water/powder

1.2 FUNCTIONAL CHARACTERISTICS

Built-in pressurization unit enables rapid pressure charging, avoiding frequent re-pressurization during continuous operation.

Equipped with quick-connect adapters for fast switching between water&powder cannon barrel and confetti cannon barrel, realizing multi-function integration in one unit.

Effect height: confetti and streamers: 15-20 m; water: 25-30 m; powder: 10-15 m.

High-quality pulse valve delivers millisecond-level triggering and instant pressure release, ensuring strong explosive burst performance.

Control Modes: Dmx Control/electric Control/dc Trigger

Strictly built to pressure vessel standards, the air tank delivers reliable high-pressure safety.

Air tank capacity: 12 L.

Engineered with a low-pressure, high-burst design to minimize risks and ensure safe use.

1.3 PRODUCT ACCESSORIES

Confetti Barrel- Water Barrel
Electronic control console
Water pipe quick connector
1.6 Meter Power Plug or 3 Meters Power Pair Cable
3 Meters DMX Pair Cable
User Manual

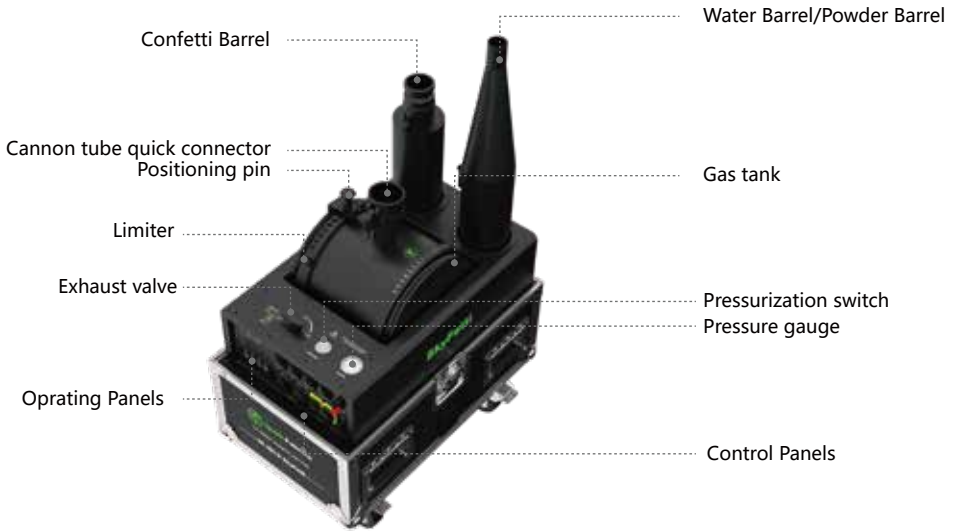
2 PRODUCT INTRODUCTION

The SkyFetti is an adjustable-angle, suitable for indoor and outdoor stage special effects equipment. It can shoot colorful confetti, colorful ribbons, water, and colorful corn powder into the air, creating a stunning visual effect in an instant, making people feel as if they are in a dreamlike state colorful world. It is characterized by automatic inflation, simple and beautiful appearance, double-tube configuration.

2.1 PRODUCT DIMRNSIONS



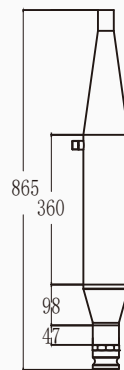
2.2 EQUIPMENT BODY



Confetti Barrel



Water Barrel
Powder Barrel



Unit: Millimeter

2.3 CONTROL PANELS AND OPRATING PANELS



RX
Radio receiving (reserved)

DMX
DMX Input Mode Indication:Always-on indicates that a DMX signal has been received

ERR
When there is a problem with the machine, this indicator light is always on and the LCD screen displays an error message.

PUMP
Light on when pump is running



MENU
Menu button, short press to enter menu setting.
-
Decrease Parameter, button for decreasing the set value or switching modes OFF/ON. Manual spraying.
+
Increase Parameter, button for increasing the set value or switching modes OFF/ON. Timed spraying.

ENTER
Save button for saving the change after setting. Stop manual spraying.

3 MENU SETTING

SETTING	DEFAULT VALUE	RANGE
Set DMX Address	1	1-512
Set Safety Address	2	OFF/1-512
Set Auto Pressure	OFF	ON/OFF
Set Pressure	8.0	4.0-8.0
Set Control Mode	Dmx Control	Dmx Control/Electric Control/DC Trigger
Language	中文	English/中文
Factory Reset	NO	是/否

3.1 MANUAL BUTTON

NO DMX SIGNAL OR NON-AUTOMATIC PRESSURIZATION MODE

After power on, the button lights white. Press to inflate → flashes red. Full inflation → steady green

MANUAL BUTTON	FUNCTION
Press	Start pressurization
Press again	Stop pressurization

3.2 ERROR CODES

SETTING	DEFAULT VALUE	RANGE
E1	Pressurization Failure	Single pressurization
E2	Injection Failure	Pressure differential
E3	Voltage Failure	pressurization prohibited

4 DMX PARAMETER TABLE

JET CHANNEL	FUNCTION
0~19	OFF
20~255	ON
SAFETY CHANNEL	FUNCTION
0~19	Control off; Pressure off
20~100	Control on; Pressure off
101~255	Control off; Pressure on

5 ELECTRONIC CONTROL

The machine is connected to the electronic control console via a signal cable for electronic control functions. It can be triggered by pressing the buttons on the console.

EXTERNAL ELECTRONIC CONTROL BUTTON	FUNCTION
Press	Start spraying



6 DC TRIGGER CONTROL

DC TRIGGER INTERFACE	FUNCTION
9-36V	Jet On

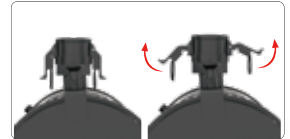
7 INSTALLATION AND ANGLE ADJUSTMENT

1. When using the device, use your own fixing tools to fix the device at the safety buckle on the side of the device to prevent it from moving. (Be sure to secure the device when using it, otherwise! serious injury may occur)



2. Remove the lid of the flight case and check if any accessories are missing.

3. Pull down on the locking clips to unlock and rotate them upwards.



4. Place the confetti cannon into the coupling while holding the locking clip upwards (the water cannon is installed in the same way)

5. Lock the cannon in place using the locking clip.

6. Pull the clip outwards to check if the locking pin is properly locked in place, if not remove the cannon and repeat steps 7-8.



7. Pull the index column to adjust the gas cylinder to the desired position, then tighten the positioning pin.



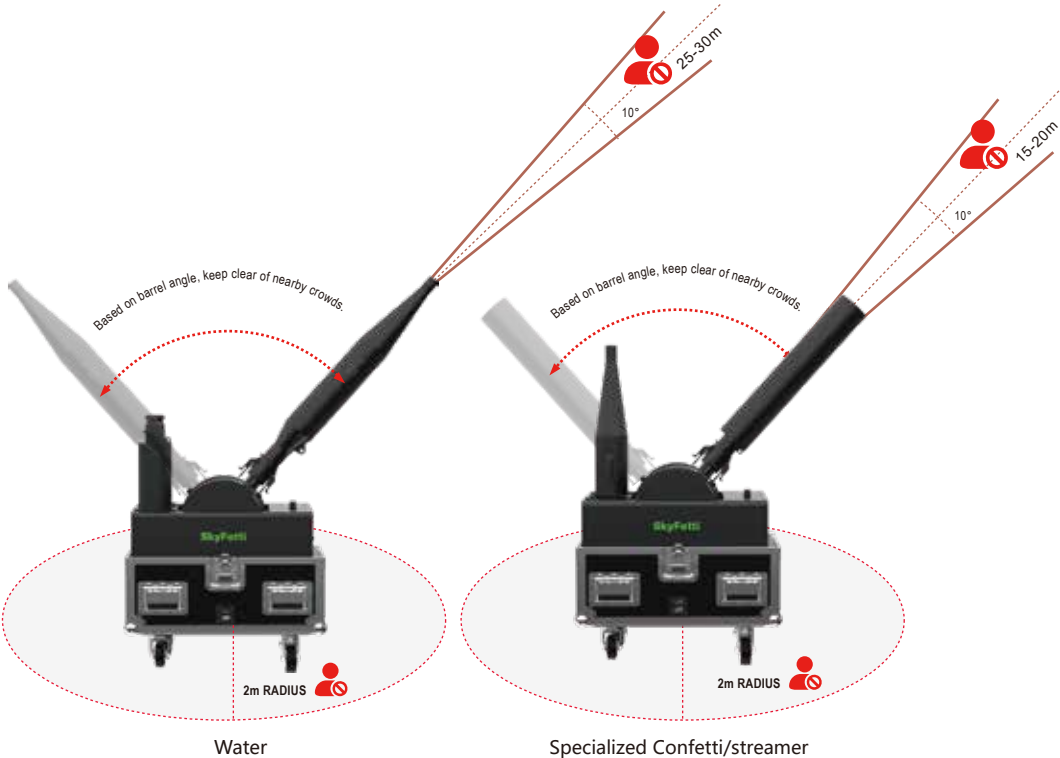
8. Be sure to lock the safety rope before using the equipment, otherwise serious danger may occur.

9. The angle adjustment has 7 angle settings, with a limiter at the front and back to limit the maximum angle and ensure safety.



8 SAFE DISTANCE

1.Keep the output area free of people, animals and objects when the equipment is in use, otherwise there will be serious danger.



9 OPERATION

9.1 START THE MACHINE

1. DMX controller - push DMX-CH2 to open the safety channel (100-155 safety channel open, 0-99 and 156-255 safety channel closed).
2. Push the DMX-CH1 device to start inflating and pressurizing stop when the pressure gauge reaches 8 bar (50-200 starts pressurization, 0-49 and 201-255 shut down pressurization)

9.2 TURN OFF THE DEVICE

1. Open the exhaust valve to release the pressure and make sure the pressure gauge 0 bar
2. Disconnect the power supply and controller.
3. Rotate the gas tank to the vertical (0) position.
4. Pull down on the locking clips to unlock and rotate them upwards.
5. Disassemble the confetti cannon (the water cannon can be disassembled in the same way).
6. Store the Confetti Cannon in a flight case

9.3 OPERATION GUIDE

9.31 LINE CONNECTION AND PRESSURIZATION

Before pressurizing, all necessary lines must be connected, otherwise serious danger may occur! When connecting the lines, make sure there is no gas in the gas tank, otherwise it may cause serious danger! Do not loosen the power cord after the device is pressurized, otherwise serious danger may occur!

9.32 TRANSPORTATION

if you have used the water cannon, please spray 3 times and drain the remaining water, otherwise it will cause the equipment to rust. Before each transport, check the pressure level on the pressure gauge. If necessary, open the vent valve to reduce the internal air pressure.

*Never transport the machine with the system pressurized! If you want to move a pressurized machine, you must first turn off the power, wait for the screen to disappear, then unplug the remaining cables, and then move it, otherwise it is easy to cause serious danger!

9.33 NOISE LEVEL

The machine is tested to an ambient noise level greater than 70dBA. This noise is only present for a short period of time during emission. During operation, always wear hearing protection when you are within 5 meters of the machine.

10 FILLING CONSUMABLES

10.1 Fill CONFETTI

- 1.Place a sponge pad at the bottom of the confetti cannon tube to ensure that the holes at the bottom of the tube are covered.(Figure 1)
- 2.fill the cannon with confetti or streamer (One-time capacity about 1KG of consumables).
- 3.Place a black circle sticker or paper tape on the top of the paper tube (do not stick it too firmly)



Figure 1



Figure 2

10.2 Fill WATER

- 1.Unscrew the quick connector of the valve and insert your own water pipe (the maximum capacity of the cannon barrel is about 6L.(Figure 2)
- 2.After tightening, turn on the switch and fill with water.
- 3.After filling with water, tighten the switch.

10.3 FILL GAS

10.31 MANUAL INFLATION

1. Press the button to automatically pressurize and inflate the equipment, and close the exhaust valve first (note that the power cord and control line must be connected when pressurizing and inflating, and do not connect them after the pressure is increased, otherwise serious danger will occur).
2. Set the required pressure in the menu. Note: The inflation must reach the set value, otherwise the device will not start (Optimal pressure value 8 Bar).
3. Press the switch to start automatic pressurization and inflation.
4. The indicator light is white, indicating that the power is normal.
5. The red indicator light flashes to indicate that the system is automatically inflating (it will be inflated to 8 bar in about 3 minutes)
6. The green indicator indicates that the inflation is complete.

10.32 DMX-CONTROLLED INFLATION

1. Use the DMX controller to pressurize and inflate, and close the exhaust valve first.
2. Push DMX-CH2 to open the safety channel (100-155 safety channel open, 0-99 and 156-255 safety channel closed).
3. Push the DMX-CH1 device to start inflating and pressurizing stop when the pressure gauge reaches 8 bar (50-200 starts pressurization, 0-49 and 201-255 shut down pressurization)

11 MAINTENANCE

After using the machine, screw off the barrel and place it in the Barrel Depository, and fix all parts then packing.

*Invoice and warranty card are necessary when applying for maintenance service from SPARK FABRICA.

WARRANTY CARD

Product Name:		Serial No.:	
Purchase Date:			
Tel:			
Address:			
Info.Feedback About The Problem :			
Actual Problem:			
Maintenance Detail:			
Service Engineer:		Service Date:	



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