USER MANUAL
uFetti Blower CB16

V1.0
2024/06/20

SHOWVEN Technologies Co., Ltd

Thanks for choosing SHOWVEN uFetti Blower, we wish it will bring you lots of exciting moments. Please read the following user's manual carefully before operating this product.

Safety Instructions

1. Safety icons explanation

Safety instructions warn of hazards when handling equipment and provide information on how to avoid those hazards. They are classified according to the severity of the hazard and are divided into the following groups. Please do follow all safety instructions in this document!

DANGER:	Indicates a hazardous situation that, if not avoided, will result in death or serious injury. (This signal word is limited to the most extreme situations)
WARNING:	Indicates a hazardous situation that, if not avoided, could result in serious injury
CAUTION:	Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.
NOTICE:	Provide additional or supplementary information.

2. General Safety Instructions

- Make sure power supply in consistent with the rated voltage of the equipment, and the socket must well grounded. Unplug and turn off the machine when not use.
- Please pay attention to the use environment and safety distance, check this manual for details.
- After turning on the device, no person allows to stay in the danger area. Ensure all persons that are part of the show be informed about the safety distance, risks and functions of the device.
- Always have a CO_2 fire extinguisher and an extinguishing blanket in case of needed.
- If there be any doubt as to the safety operation of the device, the device should be taken out of service immediately. Check the power switch, cable connections and power plug carefully. If you can't solve it, please always contact SHOWVEN (info@showven.cn) for help.
- Use only SHOWVEN original confetti, otherwise, may leads to failure or danger.
- The operator responsible for the control of uFetti Blower must always have a clear view of the device, so that he/she can stop the show immediately when there is danger. The main AC power switch should near operator. So that operator can turn off the power of all devices in case of abnormal.
- The device shall not be altered and applied to other use purpose.

3. Disclaimers:

SHOWVEN technologies Co., Ltd excludes liability for unsafe situations, accidents and damages resulting from:

1. Ignoring warnings or regulations as shown on product manual or this manual.
2. Use for other applications or circumstances other than those indicated herein.
3. Changes to the device, including use of non-original spare parts, lack of maintenance etc.
4. Dismantling device without authorization from SHOWVEN.
5. Use this machine by unqualified or untrained personnel.
6. Improper use of machine。

Description

uFetti Blower CB16 is DMX controllable acompact confetti launcher, equipped with high speed blower and a 9L automatic confetti dosing hopper. Operator can adjust the confetti output density by DMX even under running status. It can be widely used in indoor, outdoor and various special applications.

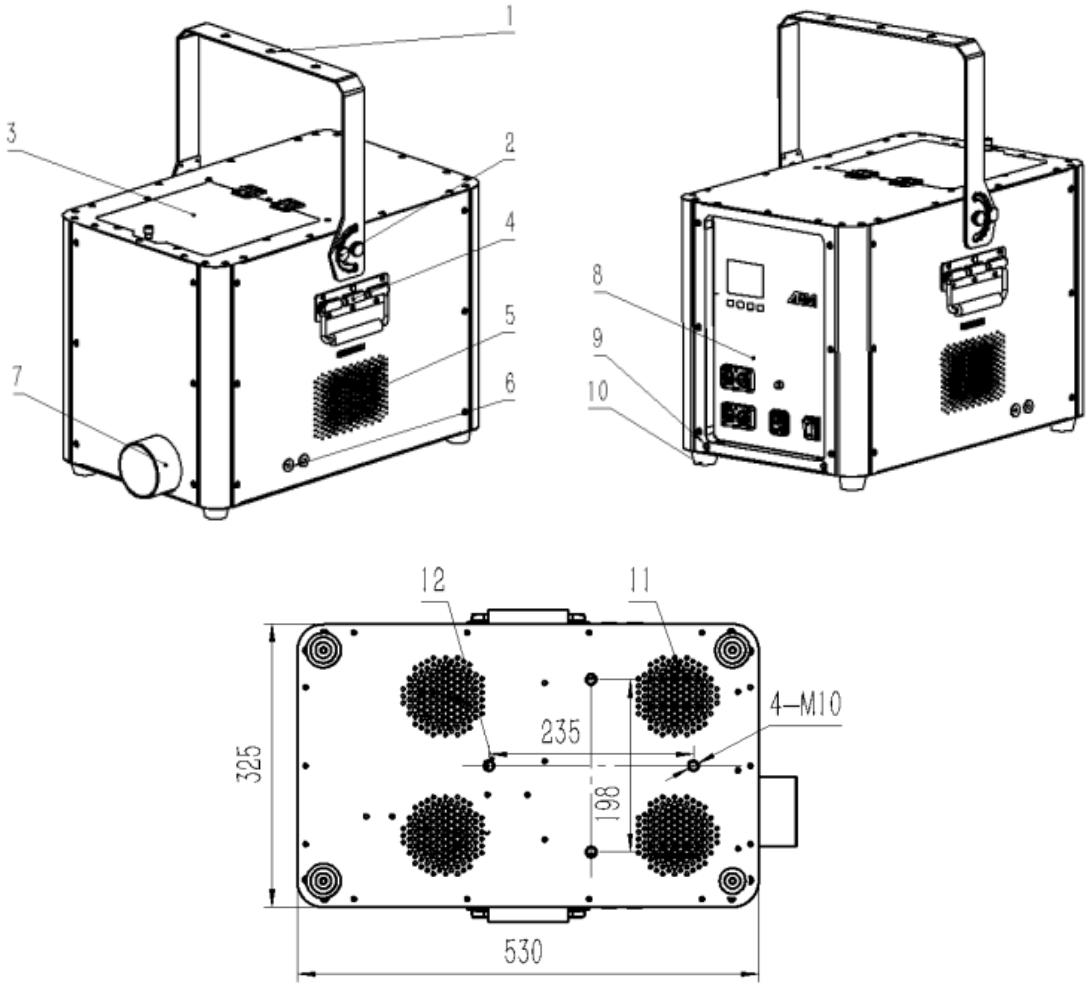
Features

- DMX controllable
- 4kg (metallic confetti) automatic confetti dosing hopper
- Upto 10m output distance
- DMX controllable confetti output density, support 2-15min continuous output
- Adjustable confetti output angles
- Color touch screen

Technical Specifications

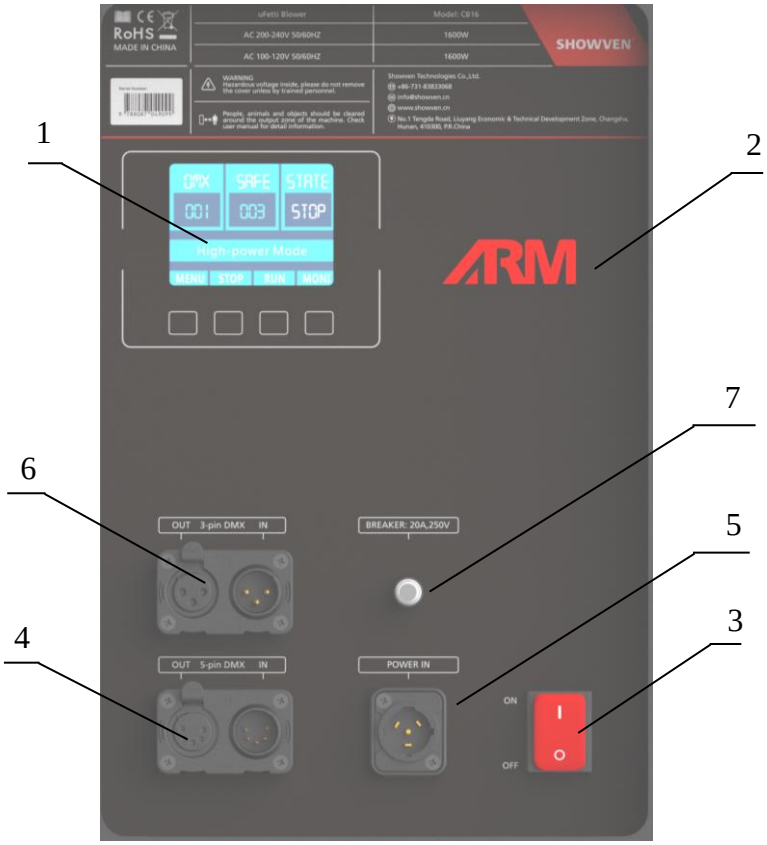
- **Model:** uFetti Blower CB16
- **Dimension:** 573×324×384mm
- **Weight:** 19kg
- **Input:** AC100-120V / AC200-240V, 50/60Hz
- **Work Power:** 1600W
- **ARM Indicator Light:** Yes
- **Control:** DMX, MANUAL
- **DMX:** 3-pin and 5-pin DMX IN / OUT, 5-pin DMX IN support DC5V power supply for DMX receiver
- **Interface:** Color touch screen
- **Output Direction:** adjustable via handle
- **Output Distance:** 10m
- **Output Density Adjustable:** Yes
- **Consumable:** SHOWVEN Confetti
- **Confetti Hopper:** 1
- **Hopper Capacity:** 2kg paper confetti; 4kg metallic confetti
- **Max. Consumption Rate:** 1kg/min (paper confetti); 2kg/min (metallic confetti)

Structure



1. Mount bracket (3-Φ12mm holes for clamp)
2. Angle adjustment knob screw
3. Confetti hopper lid
4. Handle
5. Side air Inlet
6. Mount bracket installation hole M6
7. Output nozzle
8. Rear panel
9. Safety loop hole(2-M8)
10. Feet
11. Bottom air inlet
12. M10 hole for clamp (20mm in depth)

Rear Panel



1. LCD Screen
2. ARM Indicator Light
3. Power Switch
4. 5-pin XLR IN/OUT (5-PIN XLR IN can charge for wireless DMX pen through pin1 and 4, pin4 with DC5V power supply)
5. Power IN
6. 3-pin XLR IN/OUT
7. Fuse (20A, 250V)

Display and setting

1. ARM indicator light

Operators can enable/disable the arm indicator light by set the "ARM STATE" in Advanced menu. If "ARM STATE" is ON, there will be three status:
ON: no DMX signal
OFF: DMX signal input
BLINK: DMX armed

2. Welcome Interface

Software Version	CB16-A20240615
Serial Number	**********
Blower Running Time	0Hour 0Min

3. Main Interface

uFetti Blower can be controlled by DMX or manually. Manual control disabled when there is DMX signal in.

Click "MENU" in main interface, press and hold "RUN" to start the machine manually, press "STOP" to stop the machine, click "MONI" enter monitoring interface.

REGION	ITEMS	RANGE	DEFAULT	EXPLANATION
1	DMX address	1~512	1	When there is DMX signal in, background color
2	Safety address	1~512	2	When safety channel DMX value between 50-200,
3	Device status	STOP / WORK	STOP	When blower is working, STATE changes from
4	Information	--	--	Three types of contents will displayed here:
5	Key instruction	--	--	When there is DMX signal in, STOP and RUN are

4. Error Message

Error Message	Why it appears	How to remove
E2 Hopper Running Error	Feeding motor blocked, device stops working	Check the hopper and feeding motor, solve the block problem

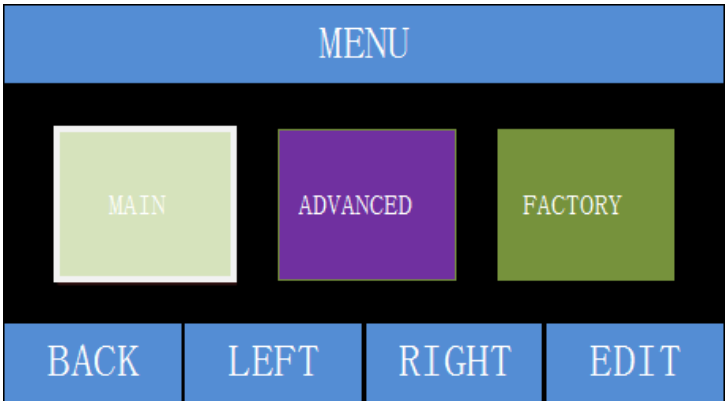
5. Monitor Interface

Press "MONI" can enter monitor interface, press "BACK" switch back to main interface.

Menu	Explanation
Hopper Roll Motor Current	Hopper feeding motor status monitoring

6. Menu Interface

Press "MENU" enter menu interface, press "LEFT", "RIGHT" enter different items, press "BACK" switch back to main interface.



Menu	Explanation
MAIN	Main menu
ADVANCED	Advanced menu
FACTORY	Factory menu (for factory use only, password is required to enter)
BACK	Back to main interface
LEFT	Left item
RIGHT	Right item
EDIT	Select

7. Main Menu

Select "MAIN" in menu interface, press "EDIT" to enter main menu.

Items	Contents	Default	Description
Set DMX Address	1-512	1	Device DMX address
Set Safety Addr	1-512	2	Safety DMX address
Duration (s)	10-600	600	Firing duration when manual firing
Interval (s)	OFF-600	OFF	Firing interval when manual firing
Hopper Roll Speed	1-100	100	Hopper feeding roller speed when manual firing

8. Advanced Menu

Select "ADVANCED" in menu interface, press "EDIT" to enter advanced menu.

Items	Contents	Default	Description
ARM State	ON/OFF	ON	ARM indicator light ON/OFF setting
LCD Backlight	ON/OFF	ON	ON: LCD backlight long on OFF: LCD backlight off in 30s if no operation
Key Sound	ON/OFF	ON	Keypad sound ON/OFF setting
DMX Lock	ON/OFF	OFF	ON: Keypad function disabled when there is DMX signal in
Motor Protect	ON/OFF	ON	ON: Turn on the error message prompt function of the feeding motor
DefaultParameter	ON/OFF	OFF	Reset default parameter settings
Language	中文/English	English	Language switch
Auto Run After Power On	ON/OFF	OFF	ON:The machine runs automatically when it is powered on.

▵ DMX CONTROL

uFetti Blower CB16 occupies 1 functional channel CH1 and a separate safety channel CH-S (this channel is independent from functional channel, can be shared with other machine).

Channel	Function	Value
CH1	Output (hopper 1)	0~9: NO output 10~255: Hopper 1 output increase
CH-S	Device enable / disable	0~ 49 and 201~255: Device disabled 50~200: Device enabled

▵ Operation

1. Safety instructions

DANGER: *Make sure that confetti cannot come into contact with high-voltage lines/power pylons, as this can result in electrocution.*

WARNING: *All operations must be performed by professionals, and non-professionals are prohibited from operating.*

WARNING: *Use of a damaged or improperly installed machine could result in death, serious injury, or property damage. Always inspect the machine thoroughly before operating it.*

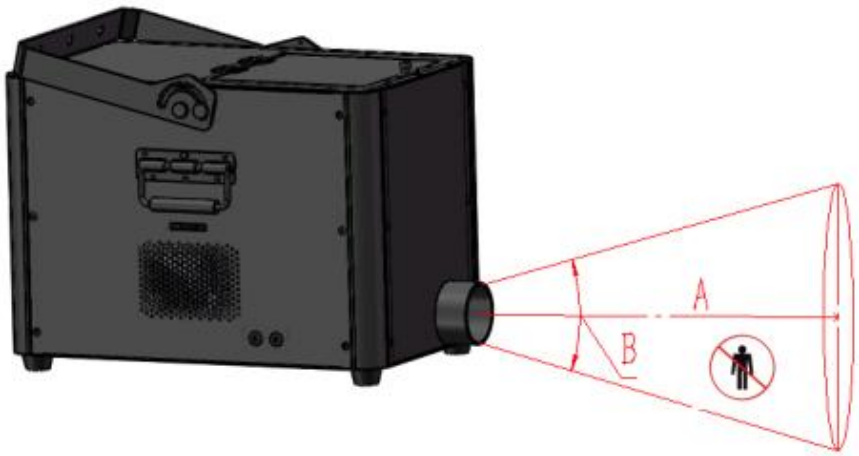
WARNING: *Do not use the uFetti Blower if alterations have been made other than by or on behalf of SHOWVEN.*

WARNING: *Make sure there are no objects that can be damaged by the machine within the output distance. And no people or animals are allowed to stay in the direct output.*

WARNING: *Make sure power supply in consistent with the rated voltage of the equipment, and the socket must well grounded. Do not connect more units to a single electrical circuit than the installed fuse is able to handle. Recommended to connect only a single unit of device to a power supply cable.*

WARNING: *Make sure there are no objects near the air inlet port that can block the air to be sucked in.*

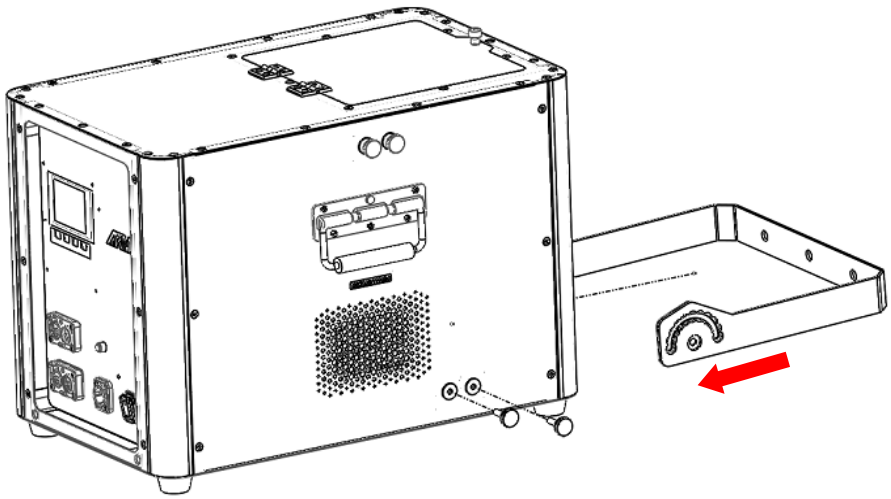
WARNING: *The red cone area shown in below picture is the safe isolation range of this product, and unauthorized persons or objects are strictly prohibited from entering. A=2m, B=40°.*



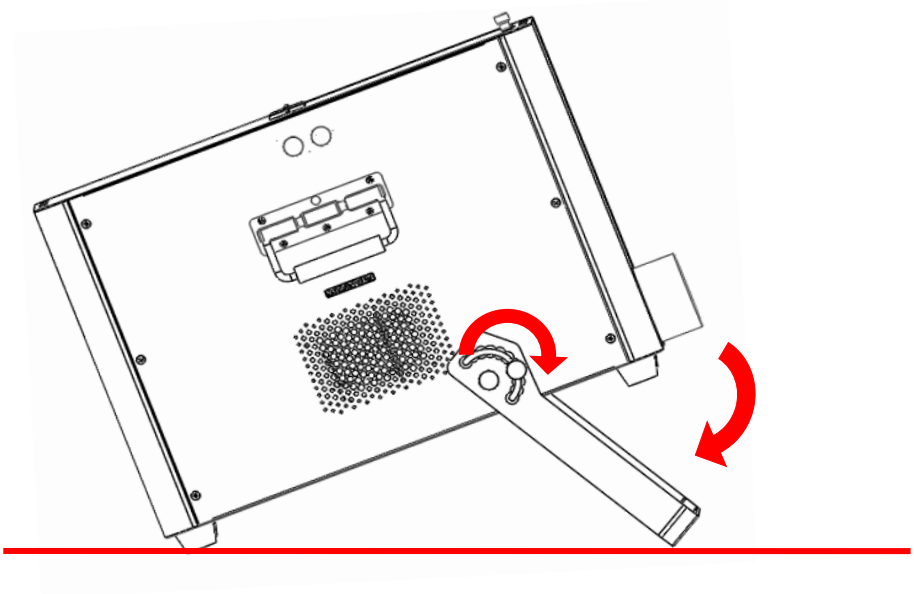
2. Install uFetti Blower

2.1 Install on flat surface.

2.1.1 Install the mount bracket



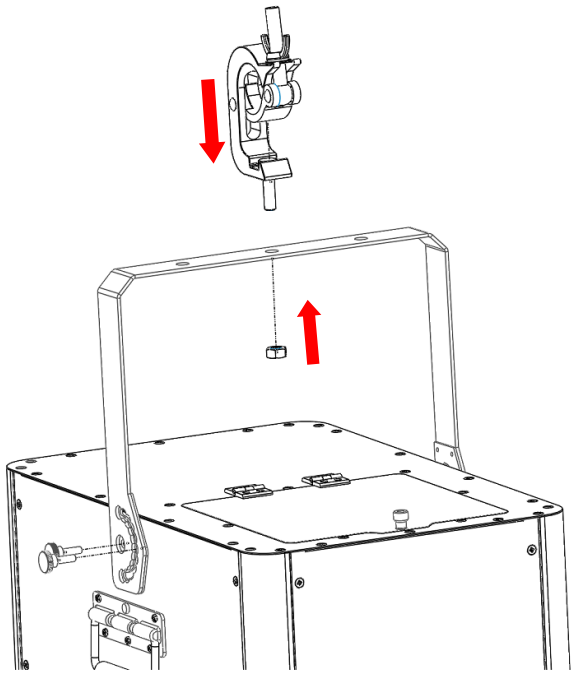
2..1.2 Place the uFetti Blower CB16 to desired angle by rotating the bracket to the bottom side of the machine and tighten the knobs on both sides.



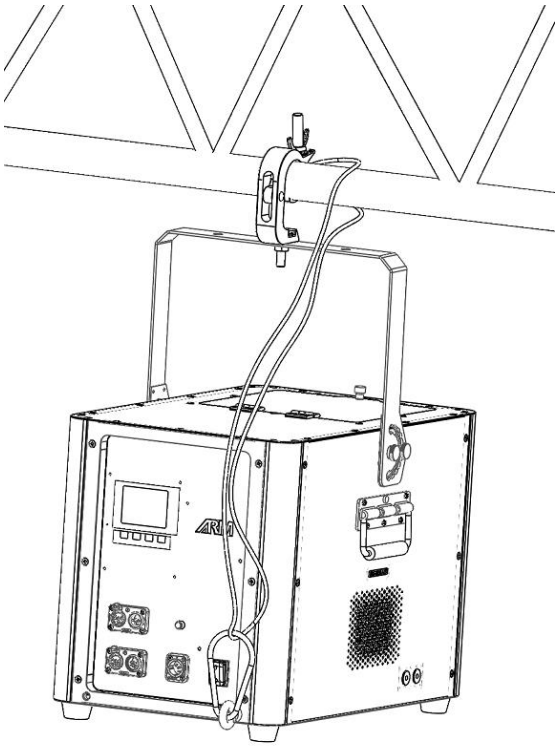
NOTICE: CB16 can be located on the surface at the angle betweet 0° ~37°.

2.2 Mount below a truss

2.2.1 Install the mount bracket on top of machine as below, screw a clamp on top of the braket through M10 hole. Make sure that the clamp is strong enough for machine and confetti inside it.

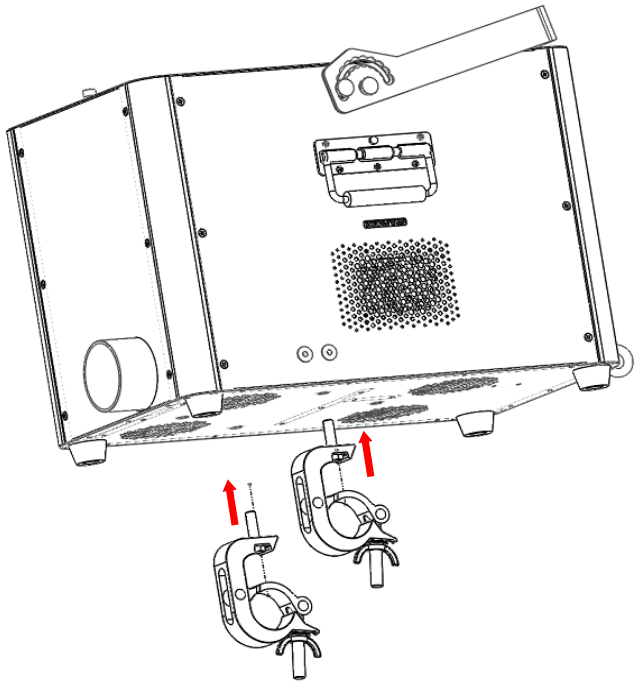


2.2.2 Mount the clamp on a truss and secure with a qualified safety rope.



2.3 Mount on a truss

2.3.1 Screw the clamps to the threaded M10 holes on the bottom of machine.



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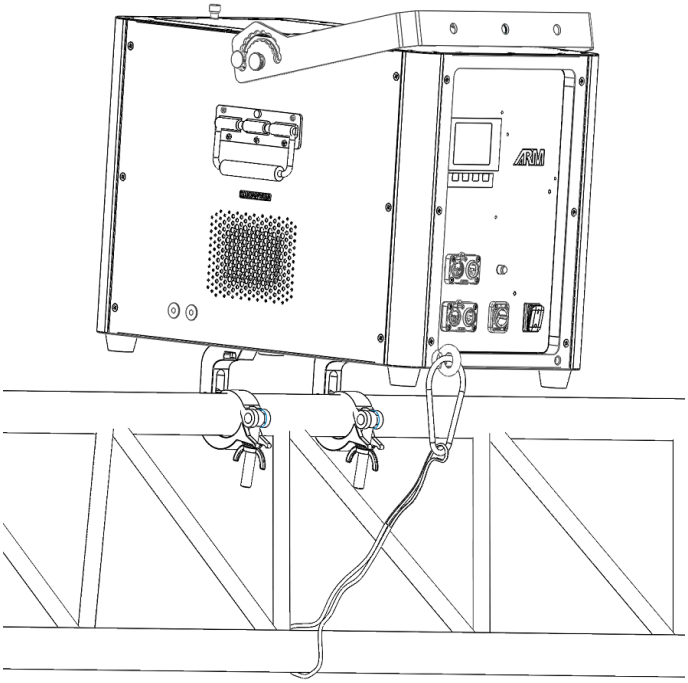
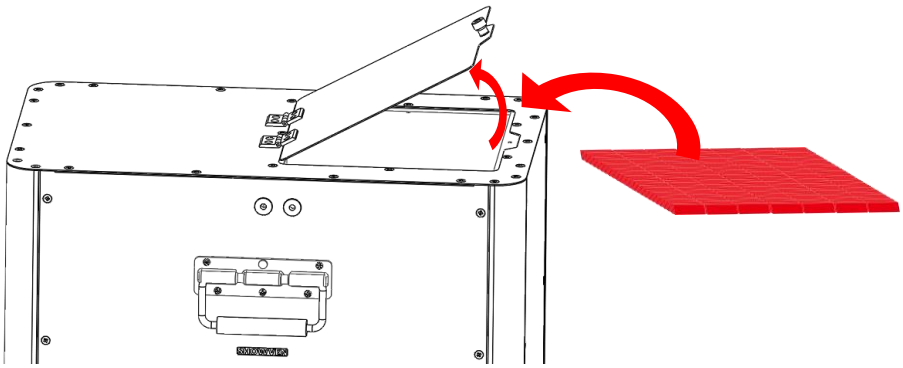
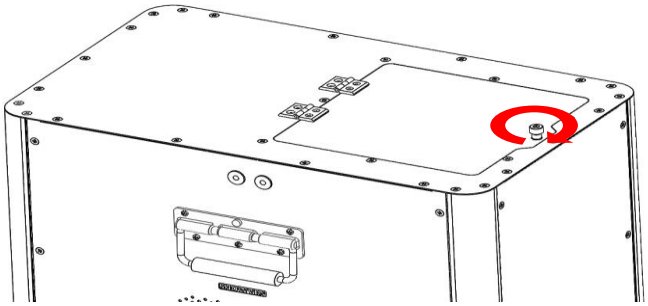


3. Fill the machine with confetti

3.1 Open the hopper lid and fill hopper with confetti



3.2 Close the hopper lid



please fill the hopper with SHOWVEN original confetti accordingly.

Consumable	Size	Max. load each hopper	Max. Consumption Rate
Paper Confetti	55x17 mm	2KG	1kg/min
Metallic Confetti	55x17 mm	4KG	2kg/min

WARNING: *Using any other objects other than SHOWVEN ® CONFETTI can lead to death or serious injury.*

NOTICE:*Do not fill machine with used confetti, it may cause the machine block.*

4. Connecting uFetti Blower

a) Connect a power cable to the POWER IN socket of uFetti Blower. Connect the other end of power cable to the power source. Make sure power supply in consistent with the rated voltage of the equipment, and the socket must well grounded.
b) Power ON uFetti Blower

DMX control, Please follow below steps:

c) Connect a DMX cable to the DMX IN socket of first unit of uFetti Blower, another head of this DMX cable connect to DMX console (such as FXcommander). Make sure the DMX console is powered off.
d) Connect a DMX cable to the DMX OUT socket of previous uFetti Blower, and the other end to the DMX IN of next machine. Connect all devices in series in this way.
e) Suggest to plug in a DMX terminator into the DMX OUT in last unit of machine to improve signal reliability. For distance >200m please use SHOWVEN DMX splitter 8 to amplify the signal.
f) Assign DMX address for each unit of uFetti Blower. If use SHOWVEN host controller or FXcommander to control the machine please allocate a unique DMX address for each unit of machine.
g) Power ON DMX console

5. Firing (DMX or Manual control)

Double confirm the prescribed safety isolation zone is clear, no person, animal or other property within this region. Make sure no objects block the air inlet ports.

DMX Control:

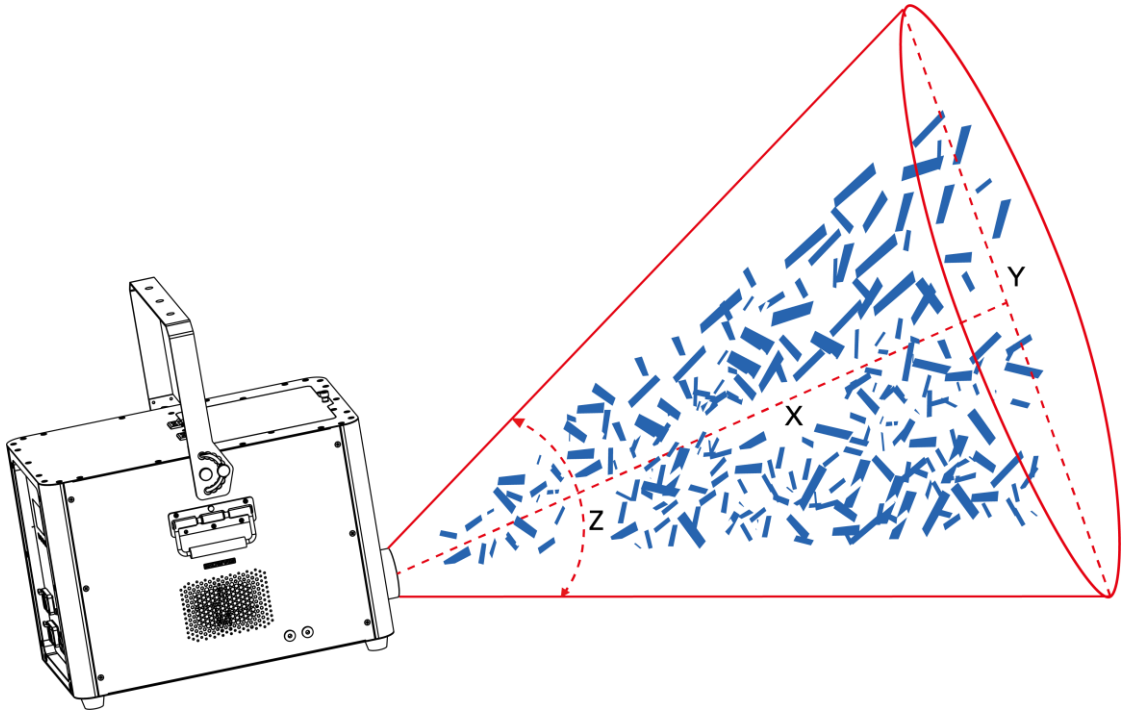
a) Activate the safety channel and enable device, the ARM indicator light blinking.
b) Activate the effect by setting the DMX value of hopper. The output density will increase as DMX value increase from 10 to 255. By activating the hopper, the fan will start blowing.
c) Adjust the effect density by adjust DMX value during firing if desired.
d) Change the DMX value below 10 to stop firing, then deactivate the enable address of safety channel. The ARM indicator light will OFF.

Manual Control:

To blow uFetti Blower manually please disconnect DMX connection, press "RUN" button on LCD screen to start the machine. Press "STOP" to stop the output.

Output distance

The output height, width and distance depend on the type of confetti, the output angle, the operation mode of the blower etc.



Consumable	Confetti Size	Max. Output Distance (X)	Max. Output Width (Y)
Paper Confetti	55x17 mm	10m	5m
Metallic Confetti	55x17 mm	8m	4m

Note: Z=30°; the CB16 is located at 30° upward, and 2m high .

NOTICE: *The above parameters are test parameters with SHOWVEN original confetti under ideal conditions. .*

6. Power OFF and clean up

a) Power OFF uFetti Blower, disconnect power and/or DMX cables.
b) Remove any remaining confetti from the hopper and from outside of the machine.

Maintenance

1. To maintain the machine in good performance and running status, it is recommended to running the device at least once per month.
2. To maintain the best performance of machine the hopper rollers (*Part No. SFMET1163*) need to be replaced after a period of use. Please contact SHOWVEN or your direct supplier for operation procedures.

Optional Parts

Part. No.	Description	pcs / unit
SFCAB258	EU NEUTRIK PowerCON TRUE1 cable - 3m	1
SFCAB051	US NEUTRIK PowerCON TRUE1 cable - 3m	1
SFCAB055	AU NEUTRIK PowerCON TRUE1 cable - 3m	1
SFCAB056	UK NEUTRIK PowerCON TRUE1 cable - 3m	1
RMBOT036	Safety loop M8	1
SFMET1163	Hopper feeding roller	2
SFMET1363	2in1 CB16 flightcase (premium)	1
SFMET1377	2in1 CB16 flightcase	1

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 are any quality problems within 7 days after shipping out from our factory, we can exchange a brand new same model machine for you
- 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 situations NOT included in warranty service:

- Damage caused by use unqualified consumables;
- Damage caused by improper transportation, usage, management, and maintenance, or damage caused by human factors;
- Disassemble, modify or repair products without permission;
- Damage caused by external reasons (lightning strike, power supply etc.)
- Damage caused by improper installation or use;

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

Invoice is necessary when applying for maintenance service from SHOWVEN

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