

USER MANUAL

SONICBOOM® X SMOKEJET

V2.0

2021/04/07



Showven Technologies Co., Ltd

USER MANUAL

SONICBOOM® X SMOKEJET

★Please read this manual carefully before operating this product.

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

▲SAFETY CONSIDERATIONS

- \ Unauthorized repair are prohibited, it may cause serious incident
- \ Independent smoke column color change
- \ Patented pipeline integration technology, ensure 0.3s instant smoke burst
- \ Automatic constant pressure design, highly consistent smoke effect
- \ 220V version SONICBOOM Support 1500W half power mode, easier main power supply.
- \ Over temp. alarm, no fuel alarm, over voltage alarm etc. multi safety status monitoring. Safer for use, easier for maintenance.
- \ Support manual operation on machine control panel
- \ DMX control, 11 channels and 1 channel optional
- \ Only use SHOWVEN original FX-S/FX-ST fog fluid, other fluid may lead to clog or malfunction.
- \ FX-S is quick dissipating fog fluid, the smoke dissipate in seconds, it is perfect choice for creating instant smoke column.

▲Description

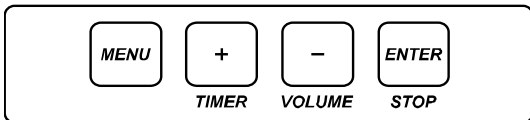
SONICBOOM X SMOKEJET can generate up to 10m smoke column effects similar as CO₂ jet. 35 pcs of LED ensure the multi color of smoke. Combined with SHOWVEN® original FX-S pro quick dissipating fog fluid guarantee the fast dissipating of the smoke.

▲Technical Specifications

- \ MODEL: SONICBOOM® X
- \ DIMENSION: 482×408×215mm
- \ WEIGHT: 17.2kg
- \ VOLTAGE: 220V/110V, 50/60Hz
- \ FUSE:15A/250V
- \ POWER: 3000W/1500W(220V), 2000W(110V)
- \ LED POWER: 5W×35pcs
- \ MAX OUTPUT DISTANCE: 10m
- \ MAX CONTINUOUS OUTPUT DURATION: 8s
- \ SMOKE OUTPUT: 55000cuft/min
- \ TANK CAPACITY: 2.5L
- \ FLUID CONSUMPTION RATE: 5min/L
- \ DMX CHANNELS: 1/11
- \ CONSUMABLES: FX-S

▲ Operation Panel

1. Control button area



MENU: switch through setup menu

+: Parameter up; multiplex "TIMER" (smoke output time)

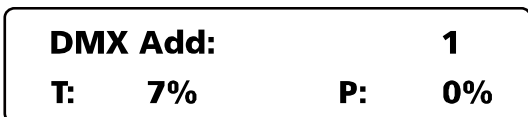
-: Parameters down; multiplex "VOLUME" (smoke output start)

ENTER: confirm and save parameters (screen will blink once when save successfully); multiplex "STOP".

NOTE: Screen will switch to main interface automatically if not press any button in long time.

▲ Interface

1. Main interface:



First Line: DMX address, ":" blinks when there is DMX in signal.

Second Line: shows machine core temperature and pressure. The machine ready for operate only when both temperature and pressure value close to 100%.

2. Error information:

Error information	Explanation
E0 System IC	Circuit fault
E1 Pressure	Pressure faults, no fog fluid or pump error
E2 K temp. Sensor	Temperature sensor fault
E3 Evacuate	Evacuate fuel pipe fault
E5 Temp Over	Circuit fault
E6 Heat Fail	Heating element damage or circuit fault

Example of "TIMER" setting function in the menu:

1. "set interval 10s"

2. "set duration 2s"

SONICBOOM will repeat: firing 2s, interval of 10s, firing 2s, interval 10s...

Press "VOLUME" button under main interface, SONICBOOM activated and start to generate smoke, and press "STOP" to stop the machine.

3. Setting Menu:

Press "MENU" switch through setup menu.

Options	Range	Explanation
DMX 512 Address	1~506	Set DMX address
Power Regulation	Standard/Half Power	Setting working power for the machine
Color Optional	0~10	LED color set when manual firing
Single Channel	ON/OFF	Single channel mode set

4. LED color setting:

0: LED OFF 1: RED 2: GREEN 3: BLUE 4: PINK
 5: PURPLE 6: ORANGE 7: YELLOW 8: SKY BLUE 9: WHITE

Above setting disabled when use DMX console, LED color determined by setting on console.

When choose 1 channel mode, LED color determined by single channel, DMX value and related color as below:

Color	SMOKE OFF	RED	GREEN	BLUE	PINK	PURPLE	ORANGE	YELLOW	SKY BLUE	WHITE	Random	LED OFF
DMX value	0-40	41-60	61-80	81-100	101-120	121-140	141-160	161-180	181-200	201-220	221-235	236-255

5. Advanced Menu:

Press "MENU" for 3s, enter advanced setting interface

Item	Value	Explanation
Manual Evacuate	ON/OFF	Manual Evacuate when pressure always insufficient
Interval Set	0-200	Interval time
Duration Set	0-8	Smoke output duration
Wireless Remote	ON/OFF	Wireless ON/OFF switch
Language	Chinese/English	Language switch
Manual Pump	ON/OFF	For maintenance

▲DMX Channel

11 DMX channels for SONICBOOM.

Channels	Function
Channel 1	Firing: (0-9) OFF, (10-255) ON
Channel 2	Inner LED RED: (0-9) OFF, (10-255) LED brightness increase
Channel 3	Inner LED GREEN: (0-9) OFF, (10-255) LED brightness increase
Channel 4	Inner LED BLUE: (0-9) OFF, (10-255) LED brightness increase
Channel 5	Outer LED RED: (0-9) OFF, (10-255) LED brightness increase
Channel 6	Outer LED GREEN, (0-9) OFF, (10-255) LED brightness increase
Channel 7	Outer LED BLUE, (0-9) OFF, (10-255) LED brightness increase
Channel 8	LED Random: (0-9) OFF, (10-255) LED random color, use together with channel 9.

Channel 9	LED color change speed: (0-9) OFF, (10-255) LED color change speed increase
Channel 10	LED strobe: (0-9) OFF, (10-255) LED strobe increase
Channel 11	LED dimmer, (0-9) OFF, (10-255) LED brightness increase

NOTE: Manual function disabled when DMX connected.

▲ E1 Pressure error explanation

In order to protect pump, SONICBOOM will running self check program to find out whether there are fog fluid in the fuel pipe.

1. E1 pressure error activation

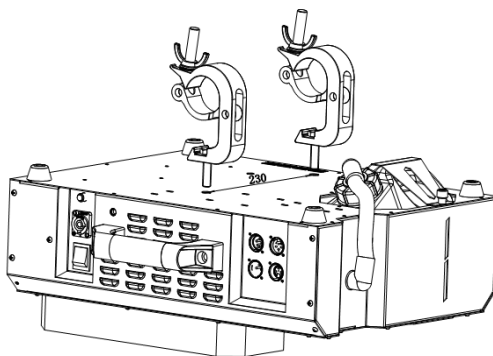
When there is no fog fluid in the fuel tank, system can not reach preset pressure even turn on for a long time. The pump will stop working, and report E1.

2. Way to clear E1 error

- ① Fill the fog fluid tank, then restart the machine.
- ② Press "VOLUME" to reset.
- ③ DMX Channel 1, start a firing.

▲ Upside-down installation

For upside-down installation, please remove the bottom panel of fluid tank, and installed to the other side (top panel), the fluid tank should installed upward as below picture. For safety, hanging installation should install safety rope.



▲ Maintenance

1. Use SHOWVEN original fog fluid for the best effect of SONICBOOM. Warranty will be void if any other type fluid is used.
2. Don't disassemble the machine by unauthorized person, modifications to the machine are not allowed.

3. Excessive dust, liquid or dirt etc on the equipment will affect performance of the machine and cause poor heat dissipation. Remove dust with air compressor, vacuum or soft brush. Use a damp cloth to clean the case.
4. Before storing the machine, run distilled water through the system to help avoid condensing the pump or heater.
5. To keep the best status and performance of machine, it is recommended to running the machine at least once per month.
6. After continuous use of 40h (or 1-2month), please use 35% vinegar with 65% distilled water to wash the pump and pipe system by running the machine 10-15 times.

▲Possible reason for the block of atomizer

For healthy and best status of machine, please do use SHOWVEN original fog fluid.

A. Fluid spill: heat can't effectively transmit to fog fluid, leads to insufficient atomization of the fog fluid in the heating pipe.

Possible Reason 1: Use other type of low quality fog fluid instead of SHOWVEN original fog fluid.

Possible reason 2: Use inappropriate fog fluid. For different types of fog fluid, the atomization temperature is different.

B. Heating aluminum pipe clog: early symptom for heating aluminum pipe clog is fog fluid spill caused by insufficient atomization. Use other brand fluid or not make regular maintenance for a long time will definitely leads to pipe clog.

C. Solution for above problem: Use SHOWVEN original fog fluid. Make regular maintenance (every 1-2month). Use 35% vinegar with 65% distilled water to wash the pump and pipe system by running the machine 10-15 times.

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:

1. Damage caused by improper transportation, usage, management, and maintenance, or damage caused by human factors;
2. Disassemble, modify or repair products without 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 applying for maintenance service from SHOWVEN.

Warranty Card

Product Name:		Serial No.	
Purchase Date:			
Tel:			
Address:			
Info. feedback about the problem:			
Actual problem:			
Maintenance detail:			
Service Engineer:		Service Date:	

SHOWVEN[®]



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