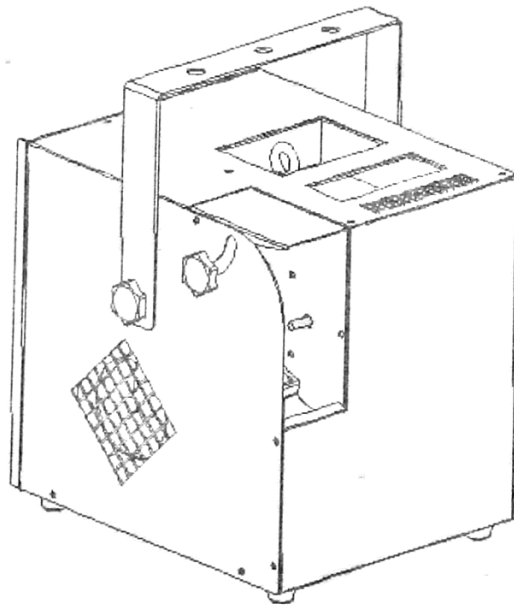


# PROFESSIONAL STAGE SMOKE EFFECT

FZ-700i



RoHS



CONFORMS TO  
ANSI/UL STD. 998  
CERTIFIES TO  
CAN/CSA STD.  
C22.2 NO. 106



## WELCOME TO USE THE SMOKE MACHINE

### Products Description:

Faze Series Professional Born for the stage

FZ-700i(700W) improves the circuit design and adds DMX digital monitor which makes operation easier and clearer. The digital monitor can control the wind force output and smoke output with 5 gears. It has Optical-electronic oil induction system so that the oil pump would stop working when the oil is insufficient. Fog wouldn't be produced until the oil is added.

#### NOTES:

- ▶The maintenance cycle for the machine is 1-2 months. Method: 20% white vinegar plus 80% distilled water, and then work 3-5 times after heating!
- ▶The machine should use EWAY's Liquid, which with distilled water formula, to prolong the life of machine.
- ▶Please keep your controllers well. We won't provide the spare parts for free if missed.
- ▶The spare parts of our machine are not suitable for the others brands', otherwise it will be burnt.

#### NOTES BEFORE USE:

1. Place the smoke machine horizontally, and check whether it is damaged or not. If damaged, please contact the supplier at once. Unscrew the lid of the oil tank to pour in the high-quality smoke liquid, and then fasten the lid.
2. Before power on, please verify that the supply voltage is in conformity with the rated voltage of the smoke machine. The power supply should be connected to the grounding wire. When power on, the indicator light will turn on, and the smoke machine will begin to work. Connect the machine to different controllers for different controls.
3. At the first time, it is normal if the smoke machine creates just a little smoke or some steam, just take it easy.
4. Please place the smoke machine in the ventilated place but not in the hole, or else the machine's temperature fuse will be disconnected and caused stop-heating.
5. Place the smoke machine on the ground horizontally or install it on the hanger, but no aslant. The machine should keep a minimum 30CM distance all around. Keep it off kid, flames, flammable and explosive materials. Also keep away from nozzle 40CM to prevent scalding.
6. Please add liquid in time. If the smoke machine keeps running when the liquid is used up, it will caused the pump and heater damaged. Turn off the power before adding liquid and operate carefully for fear that the liquid might overflow to cause short circuit.
7. In case that the smoke is diminished, or there is noise from pump, or the machine stops smoking, please disconnect the power at once, and check the liquid deposit, fuse, cable and power plug. If the problems are still not be solved, please contact the supplier.
8. In unmanned case, please stop machine running. Keep it off kids. Do not add inflammable liquid, such as oils, gas or spice. Do not touch the wire when the machine is running for fear of electrical shock.
9. Due to condensation, vapour or moisture might gather around the nozzle of machine. There might be some surplus smoke ejected from any smoke machine during operation or after shutdown.
10. Please make sure there is no liquid and metals inside machine before turn on the power Each time. Do not modify or repair the machine by yourself. If there is any problem, please contact the supplier.

## **1. Introduction**

\*Important environmental information about this product.

This symbol on the device or the package indicates that disposal of the device after its life cycle could harm the environment.

Do not dispose of the unit (or batteries) as unsorted municipal waste; it should be taken to a specialized company for recycling.

This device should be returned to your distributor or to a local recycling service.

Respect the local environmental rules.

If in doubt, contact your local waste disposal authorities.

Thank you for choosing this machine. If the device was damaged in transit, don't install or use it and contact your dealer.

## **2. Safety Instruction**

Be very careful during the installation: touching live wires can cause life-threatening electroshocks.

Do not touch the device during operation as the housing heats up.

✓ Keep this device away from rain and moisture.

Unplug the mains lead before opening the housing.

Damage caused by disregard of certain guidelines in this manual is not covered by the warranty and the dealer will not accept responsibility for any ensuing defects or problems.

A qualified technician should install and service this device.

Do not switch the device on immediately after it has been exposed to changes in temperature. Protect the device against damage by leaving it switched off until it has reached room temperature.

This device falls under protection class I. It is therefore essential that the device be earthed. Have a qualified person carry out the electric connection.

Make sure that the available voltage does not exceeds the voltage stated in the specification of this manual.

Do not crimp the power cord and protect it against damage. Have an authorized dealer replace it if necessary.

Disconnect the device from the mains to clean it or when it is not in use. Handle the power cord by the plug only.

Note that damage caused by user modification to the device is not covered by the warranty.

Keep the device away from children and unauthorized users.

## **3. General Guidelines**

This device is designed for professional use on the stage, in disco, theaters, etc. The device should only be used indoors with an alternating current of max 230V AC/50HZ.

Do not shake the device. Avoid brute force when installing or operating the device.

Select a location where the device is protected against extreme heat, dust and moisture.

Familiarize yourself with the functions of the device before actually using it. Do not allow operation by unqualified people. Any damage that may occur will most probably be due to unprofessional use of the device.

Use the original packaging if the device is to be transported.

All modifications of the device are forbidden for safety reasons.

Only use the device for its intended purpose. All other users may lead to short circuits, burns, electroshocks, crash, etc. Using the device in an unauthorized way will void the warranty.

This device is not suited for permanent operation. Frequent operation breaks will protect the life span of your smoke machine.

## 4. Installation

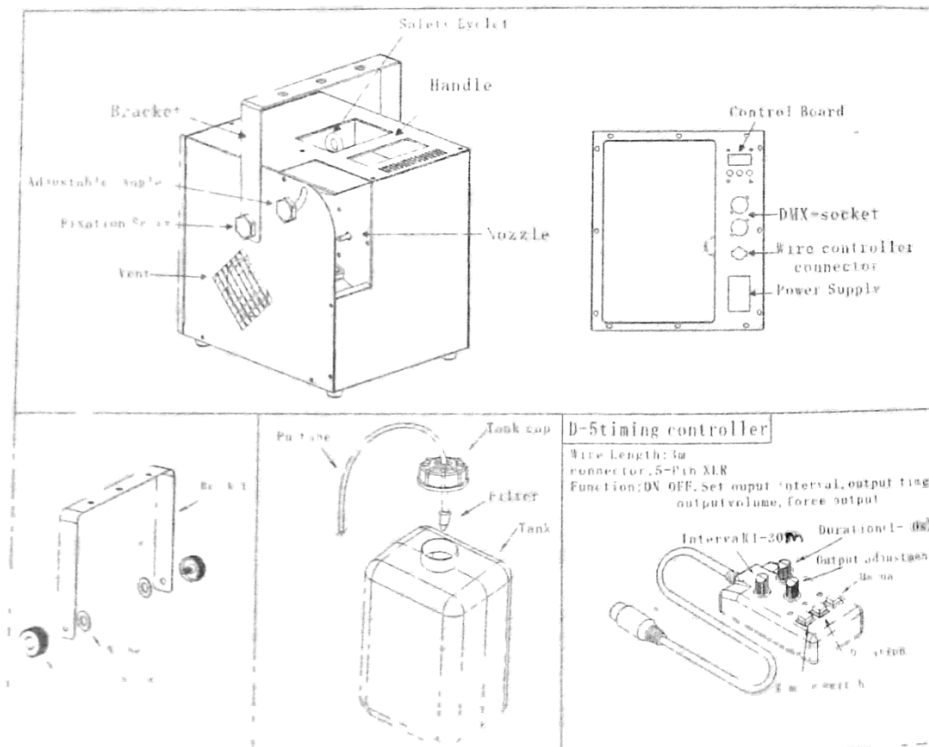
- ✦ Have the device installed by a qualified person, respecting EN 60598-2-17 and all other applicable norms
- ✦ The carrying construction must be able to support 10 times the weight of the device for 1 hour without deforming.
- ✦ Never stand directly below the device when it is being mounted, removed or serviced.
- ✦ Have a qualified technician check the device once a year and once before you bring it into service.
- ✦ Install the device in a location with few passers-by that is inaccessible to unauthorized persons.
- ✦ Adjust the desired inclination angle via the mounting bracket and tighten the bracket screws.
- ✦ Make sure there is no flammable material with a 50CM radius of the device.
- ✦ Connect the device to the mains with the power plug.
- ✦ The installation has to be approved by an expert before the device is taken into service.

## 5. Use

### FZ-700i Operation

- ✦ Add liquid carefully to the liquid tank. Do not overfill the tank.
- ✦ Plug the remote control cord into the slot marked remote control on the back of the machine.
- ✦ Plug power cord into a grounded electrical outlet. Turn the power switch to "ON" on the back of the machine. The red light on the remote will turn ON once the machine is plugged into a power outlet and the ON OFF switch is turn ON. The unit will take a couple of minutes to warm up the heater. During this time the machine cannot generate fog.
- ✦ For detailed instruction on the various functions on operating your FZ-700i Fazei Machine, see the section titled "Remote Control Operation".

## 6. FZ-700i Description



## 7 CAUTION: "Visibility during operation is reduced".

**Important:** Always monitor tank fluid level as you are fogging.  
 Running a fog machine with no fluid can permanently damage the unit.

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### 8. Note:

If you experience low output, pump noise or no output at all, unplug immediately. Check fluid level, the external fuse, remote control connection and power from the wall. If all of the above appears to be O.K., plug the unit again. If fog does not come out after holding the remote button down for 30 seconds, check the hose attached to the tank to make sure there is fluid going through the hose. If you are unable to determine the cause of the problem, do not simply continue pushing the remote button, as this may damage the unit. Return the machine to your dealer.

### 9. Remote Control Operation

D-5: 25 feet wired multi-function remote control with 5-PIN plug for Fog Machine model FZ-700i.

The Interval knob adjusts the time between discharges when the timer function is engaged. The range is from 1min to 30min.

The Volume knob controls the volume of the fog produced. The range is from 0%-100% of maximum output.

Adjust the Duration control knob of each fog emission (within the range of 1 to 20 seconds).

The yellow TIMER button controls the timer function. Depress the button to activate. When activated, the yellow light will turn ON. Adjusting the interval knob will determine the time between fog output (1-30 min). The duration of output is set at 20 seconds. The volume can be adjusted using the volume knob to control the amount of fog produced.

The red CONTINUOUS button sets the machine to constant fog production. To activate this function, depress the red button. The volume knob can be used to regulate the volume of the steady stream of fog produced.

The green MANUAL button will produce a continuous blast at maximum volume while the button is held down. When released, the manual function stops and the machine will return to the previous setting: timer, continuous, or stationary.

Note: The continuous function will override the timer function. Therefore, if both buttons have been depressed the FZ-700i will fog continuously. The manual function overrides all functions. When depressed and held down the FZ-700i will fog at maximum volume for as long as the button is held down, regardless of the machine's setting at the time.

### 10. DMX address setting

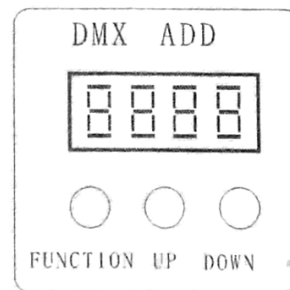
#### Instruction

h000	h001	h002	h003	h004	h005	F000	F001	F002	F003	F004	F005
OFF	1	2	3	4	5	OFF	1	2	3	4	5
Control the haze output						Control the fan speed					
MIN ← → MAX						MIN ← → MAX					

#### On-board DMX

##### Channel A

250-255	= Maximum Volume Output (100%)
6-249	= Volume Control (5%-95%)
0-5	= OFF



#### MENU MAP

MENU	VALUE	DESCRIPTION
g***	d001~d512	DMX address
h***	h001~h512	Haze output, low to high
f***	f001~f512	Fan speed, low to high

The FZ-700i Fog Machines have on-board DMX control. These models use 1 channel to control volume output operation. Each channel has a value range of 0 to 255.

## Faze Series user manual

Timer functions such as duration and interval can be programmed using the DMX controller or the DMX control software being used by lighting and effects operator.

If Channel A has a value from 0 to 5, the unit is OFF.

Between the values 6 to 249 the volume of fog output is regulated. With 6 being the minimum volume of fog produced and 249 approaching the maximum. The volume output rises as the DMX value is increased.

If Channel A has a value from 250 to 255, the machine will operate at maximum output.

Note: in the example above, if the machine were assigned the DMX address of 124, Channel A would correspond to DMX address 124.

In general, EWAY fog machines with onboard DMX conform to the following performance specifications;

Each device occupies 1 channel. To ensure that the control signals are properly directed to each device, they require addressing. This is to be adjusted for every single device by changing the DIP-switches as set out in the table below.

The starting address is defined as the first channel from which the device will respond to the controller.

Please make sure that you do not have any overlapping channels in order to control each device correctly and independently from any other fixture on the DMX data link. If two, three or more devices are addressed similarly, they will work similarly.

## PRODUCTS WARRANTY INSTRUCTIONS

There is a form that users have to fill out in warranty card. The warranty card and purchase invoice are required as documentary evidence when the warranty service is needed. Please keep your warranty card well.

Instructions:

1. Warranty period: maintenance free within one year (The warranty is valid from the date of purchase.)

2. If the products do not use the liquid of EWAY or any other high-quality liquid, the warranty period will be shortened to three months. The cost which caused by replacing spare parts will be borne by users.

3. The warranty is void when:

A. The device has been faulty operate or improper use. E.g.: burnt caused by overload or over voltage;

B. The device damaged due to moving it;

C. The fault caused by poor use environment. E.g.: moisture, unstable voltage etc.;

D. The product has been altered by anyone other than EWAY.

4. Exclusions: Packaging materials, casing & bracket of the product and battery inside wireless remote controller.

5. We won't charge any maintenance and spare parts if the products in conformity with the terms of warranty. In regard to the products which exceed warranty period, we'll only charge the cost of the spare parts accordingly.

6. EWAY reserved the right of final explanation for the content of the warranty card. If there is anything unclear, please contact the dealer.

## Technical Specifications

Model	FZ-700i
Voltage used	AC110V-240V/ 50-60HZ
Power	700W
Current-limited safety device	250V/5A
Pre-heating time	1.5 min
Smoke output	3500Cu ft/min
Capacity of oil tank	2.5L
DMX-512	Support
Electronic temperature control	Support
Regular quantitative controller	Support D-5
Oil-free protection	Support
Adjusting the size of smoke density	Support DMX 1
Adjust the wind speed	Support DMX 2
Gross weight	8kg
Packaging (mm)	370*340*350