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**MOKA SFX®**

AMAZING BOOSTER FOR STAGE

**PRODUCT: FIRE MACHINE**

**MODEL: PF-800**

# USER MANUAL



**VERSION 2.0**

# DISCLAIMER

**WARNING** Read this manual carefully before installing and/or using this product. Failure to read the manual and to follow the printed instructions may lead to personal injury and/or damage to the product.

## FORWARD

Congratulations! Thanks for purchase from us. This manual contains all information required for the intended use of the equipment. Deviation from the described intended use can result in a hazardous situation and/or property damage.

This manual includes notes and warnings on safe operation of the equipment.

## LIABILITY

Accepts no liability for claims from third parties arising from unauthorised use, use other than that stated in this manual, and use other than in accordance with the General Conditions registered at the Chamber of Commerce.

Refer further to the General Conditions. These are available on request, free of charge.

Although considerable care has been taken to ensure a correct and suitably comprehensive description of all relevant components, the manual may nonetheless contain errors and inaccuracies.

Should you detect any errors or inaccuracies in the manual, we would be grateful if you would inform us. This helps us to further improve our documentation.

## Function Introduction

6 channels

CH1 security channel, Value 100-155 on, other value off

CH2 for fire spraying, 0~250 off, 251~255 sprays, 8s is the limit duration.

### CH3 fire spray time setting:

Value at 0-9, off

Value at 10-50, 100 ms

Value at 51-100, 200 ms

Value at 101-150, 300 ms

Value at 151-200, 400 ms

Value at 201-255, 500 ms

### CH4 horse racing effect setting:

Value at 0~10 off, at 11~51 it sprays together, at 52~92 it sprays from left to right, at 93~133 it sprays from right to left, at 134~174 it sprays from two sides to the middle, at 175~215 it sprays from the middle to both sides, at 216~255 it sprays back and forth automatically.

**Notice:** The flame-breathing time is determined by CH3. First set the horse racing effect, then set the horse racing interval on CH5, and then turn on CH2 to spray the fire. Set the total number of units and edit the ID serial number in the background.

CH5 Horse racing interval setting (horse racing mode) or point spraying, stop spraying interval setting (point spraying mode)

Value at 0-9, off

Value at 10-50, 500 ms

Value at 50-100, 600 ms

Value at 100-150, 700 ms

Value at 150-200, 800 ms

Value at 200-255, 900 ms

CH6 Pressure relief and working mode

Value at 0~49, to relieve pressure,

Value at 50~200, to increase pressure,

Value at 201~255, to relieve pressure.

**Notice:** 1. You have to turn on CH1 at first, and then turn on CH2 CH3 CH4 CH5 to operate. If any channel of CH2CH3CH4CH5 is turned on first, the machine won't work after opening CH1; 2. In the process of horse racing, it is not suitable to adjust the parameters on CH3 and CH5. After adjust the parameters, it will take effect immediately, and the horse racing effect will not run in.

## Button Function Description

MENU - turn the page of the menu

▲ --- Number Plus

▼ --- Number minus

ENTER - confirm

## Fault Code Description

E1 Pressure error The pressure value fails to reach the pressurized pressure within 10s, and system reports. Check whether the oil pump pumps oil, whether the main board supplies power to the oil pump, whether the one-way valve is stuck, whether the accumulator is working, and whether the pressure relief valve is leaking oil.

E2 Pressure relief failure When the pressure relief mode is turned on, the pressure value remains unchanged. Check the operation of the pressure relief valve, and whether the main board supplies power to the pressure relief valve.

E3 Voltage failure The voltage is greater than 16.5V and less than 9V. If the battery power is lower than 12V without load, please charge it in time. If the power supply is damaged, replace the power supply.

E4 No oil failure Lack of fuel in the fuel tank. Replenish fuel in time.

## Product Parameters

|                          |                                   |
|--------------------------|-----------------------------------|
| Voltage                  | 100-240V,50Hz/60Hz                |
| Power                    | 300W                              |
| Spray distance           | 8-10 meters (no wind)             |
| Maximum pressure         | 1300 Psi                          |
| Angle adjustment         | 180 degrees manual                |
| Size                     | 46x33x38.7 cm                     |
| Flight case size         | 52x38x56.5cm with wheels          |
| Flight case outer carton | 53.5x39.5x48.5 cm                 |
| Net weight               | 21 kg                             |
| Gross weight             | 35.6 kg (with flight case)        |
| Consumables              | Diesel,ISOPROPANOL/ISOPAR G,H,L,M |
| Fuel consumption         | 60ml/s                            |
| Battery life             | about 8 hours (optional)          |
| Battery capacity         | 5000MAH/60C                       |
| Charging time            | about 4 hours (charger optional)  |
| Waterproof or not        | Rainproof                         |
| Fuel tank capacity       | 5L                                |

## Operation Method

1. Install and fix the equipment
2. Connect the signal line of the power line, and use the battery without connecting the power line
3. Fill the tank with fuel
4. Turn on the power switch
5. Turn on the safety lock switch
6. Set the device address code, the total number of units, and the ID serial number
7. Turn on the console, and the DMX indicator light under the display screen will flash, means signal is connected
8. Push channel 1 to open the safety channel, and the RX light at the bottom of the display is on, means the safety channel to open
9. Push channel 6 to pressurize
10. Push channel 3 to set the spot spray effect or channel 4 to set the horse racing effect
11. Push channel 5 to set the effect interval time
12. Push channel 2 to spray fire

## Product Features

1. Self-developed and designed appearance, with 180-degree manual adjustment angle.
2. The flame eruption distance is about 8-10 meters, fast and high-precision flame eruption.
3. Built-in pressurization system, no need to use additional pressurized tank.
4. Built-in horse racing and spot spray effect program
5. It adopts double ignition needles to ignite, which is more stable in

rainy or windy environments.

6. Adopt SEETRONIC full series of rainproof connector configuration, keep reliable quality.

7. The whole machine is rainproof with stainless steel shell, durable.

8. Double inlet valve design, to be safe and reliable

9. Unique safety lock safety channel design to prevent false triggering.

10. It is displayed in Chinese and English, which is more convenient and humanized to use.

11. Intelligent system detection for pressure, no oil, fault prompt function

12. The fast and high-precision driving device and control system ensure the fast and accurate discharge of the flame.

## Notes

1. Non-professionals are prohibited from operating

2. No one or anything is allowed within 15 meters from the direction of the flame spray

3. It is forbidden to add water for debugging when installing and debugging equipment, and the equipment will be damaged immediately if add water

4. The equipment must be depressurized after use

5. The equipment has a rainproof function, and it is forbidden to soak in water or place it in a place where water accumulates

6. The equipment is run at least once a month to keep the equipment in peak performance condition.

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