



## USER MANUAL

# Fire Machine 1H LPG



Type: Stage Flame Machine  
Product Code: MOTH-SFX-F1HLPG  
Model: H-E01



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## 1. FOREWORD

Congratulations! Thank you for your purchase from MOTH LIGHTS & FX – a brand by Bling.

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 and/or personal damage.

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

## 2. WARNING & SAFETY

### WARNING

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

The Fire Machine is designed and constructed so that it can be used in a safe manner. Specifically, this refers to the usage, situations, and prescriptions for the device as described in this documentation. It is the responsibility of all persons authorized to use the Fire Machine to read and follow the instructions in this manual.

The Fire Machine should be located and used in an environment that preferably:

- Has a fairly constant temperature between 0 and 30°C.
- Has a relative humidity not exceeding a maximum of 75%.
- Is a reasonably free of dust, corrosive gasses, and high concentrations of organic vapors.
- Does not contain any source of vibrations in the environment.

## **GENERAL SAFETY RULES**

- The Fire Machine should only be used when there are no people, animals, or inflammable objects within the danger zone. The danger zone is the cylindrical space around the device with a radius of three (3) meters.
- Ensure that the Fire Machine is not accessible to children, unauthorized persons or animals.
- Do not touch the Fire Machine when it is operational or turned on. Even if the device is not in operation it might be ready to activate.
- Safety devices must not be removed or rendered inoperative.
- All required safety devices should be in good working order and functioning properly.
- Ensure that there is adequate lighting in the environment.
- Keep the workspace clean.
- Only authorized persons may work with the Fire Machine.
- It is not permitted to use the Fire Machine in an environment containing flammable gasses or fluids.
- Always asks the fire brigade for permission to use the Fire Machine at the desired location.

## **FEATURES**

The Fire Machine has safety features. One of these features checks whether the Fire Machine is tilted, or is exposed to shocks. In these cases, the Fire Machine automatically stops and it will not be possible to create flames.

### 3. CERTIFICATE OF COMPLIANCE

Note: The MOTH Fire Machine 1H LPG is produced by GUANGZHOU MOLI STAGE EQUIPMENT CO.,LTD for Bling (MOTH).

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SUBSAL TESTING AND CERTIFICATION PRECISION SERVICE CLOUD FACTORY

## Certificate of Compliance

**Certificate NO.** : BST1708990590004Y-1SC-2

**Applicant** : GUANGZHOU MOLI STAGE EQUIPMENT CO.,LTD  
2 Floor,No.7 Lanhua street Dagang Village Shijing Town Baiyun District  
Guangzhou China

**Manufacturer** : GUANGZHOU MOLI STAGE EQUIPMENT CO.,LTD  
2 Floor,No.7 Lanhua street Dagang Village Shijing Town Baiyun District  
Guangzhou China

**Product Name** : FIRE MACHINE

**Trade Name** : MOKASFX

**Main Test Model** : MK-E06

**Additional Model** : MK-E01, MK-E02, MK-E03, MK-E04, MK-E05, MK-E07, MK-E08,  
MK-E09, MK-E10, MK-E11, MK-E12, MK-E13, MK-E14, MK-E15,  
MK-E02A, MK-E07A, H-E01, H-E02, H-E03

**Test Standard** : EN 60335-1:2012+A11:2014

**As shown in the Test Report No.** : BST1708990590004Y-1SR-2

The EUT described above has been tested by us with the listed standards and found in compliance with the council LVD directive 2014/35/EU. It is possible to use CE marking to demonstrate the compliance with this LVD Directive.  
The certificate applies to the tested sample above mentioned only and shall not imply an assessment of the whole production.

 

  
**Christina Deng**  
Manager  
Sep. 05, 2017

**Shenzhen BST Technology Co., Ltd.**  
Add: Building No.23-24, Zhiheng Industrial Park, Guankouer Road, Nantou, Nanshan District, Shenzhen, Guangdong, China  
Certificate Search: <http://www.bst-lab.com>, Tel: 400-882-9628, 8009990305, E-mail: [christina@bst-lab.com](mailto:christina@bst-lab.com)

## 4. DISCLAIMER OF LIABILITY

MOTH prioritizes safety above all else. This section is intended to clarify our position on liability and safety measures related to the use of our Fire Machine.

MOTH, Bling, and their suppliers assume no liability for any claims, unsafe situations, accidents, or damages resulting from:

### a. Unauthorized Use

- **Unauthorised Use:** Utilizing the Fire Machine in a manner not explicitly described in this manual or any usage that deviates from the guidelines set forth herein.

### b. Non-Compliance

- **Ignoring Warnings:** Disregarding any warnings or instructions prominently displayed on the Fire Machine or within this documentation.

### c. Modifications and Maintenance

- **Modifications:** Any alterations or modifications made to the Fire Machine, including the use of non-original spare parts, which may compromise its safety or functionality.

- **Improper Maintenance:** Neglecting proper maintenance procedures outlined in this manual, which may result in unsafe operation.

### d. Safety Measures

- **Unauthorized Removal:** Removing safety covers and/or safety devices without proper authorization, which can lead to hazardous situations.

- **Improper Use:** Using the Fire Machine in ways not recommended or intended, which may pose risks to individuals or property.

### e. Equipment Failures

MOTH cannot be held responsible for any damages resulting from the failure of the Fire Machine, as we make every effort to ensure its reliability and safety. However, regular maintenance and adherence to the guidelines in this manual are essential for minimizing the risk of such failures.

## Errors and Inaccuracies

While we have taken meticulous care to provide a comprehensive and accurate description of all relevant components in this manual, there may still be inadvertent errors or inaccuracies. If you identify any such issues, we kindly request that you notify us promptly. Your feedback helps us enhance the documentation and ensure the safety of our products.

Please remember that user safety is of paramount importance. Always follow the instructions in this manual, adhere to safety precautions, and exercise caution when operating the Stage Fire Machine. If you have any questions or concerns about its safe use, do not hesitate to contact our support team for guidance.

## 5. HOW TO USE

### A. USAGE (DMX)

1. Place the Fire Machine on a level and stable surface, also keeping in mind the safety distances described in this manual.
2. Connect the LPG gas hose to the Fire Machine first, then the gas supply. Keep the supply closed off.
3. Make sure the power switch is OFF. Then connect the power supply for the Fire Machine, connect the DMX signal cable and DMX controller. Setting the DMX address. The machine will be DMX self-inspecting, and the detection lamp will be flickering. When there's contact with the DMX signal cable, the display will light up. Otherwise, the display will stay off. Channel 1 is a safety channel, make sure this channel is closed.
4. Set the power switch to DMX operation.
5. Open the gas supply.
6. After you've readied the Fire Machine and set the DMX addresses properly, you are clear to operate the Fire Machine.
7. You may now take the device out of safety mode. This can be done by setting channel 1 between 102 and 153. The indicator light of the Fire Machine will start blinking in turn.

2CH Mode:

- Channel 1: Safety channel
- Channel 2: Spray the flame

### B. TURNING OFF

1. Ensure that the DMX addresses are set to safety mode.
2. Close off the gas supply.
3. Turn off the Fire Machine power button and disconnect the powerCON cable and DMX plugs.
4. Wait fifteen (15) minutes until the Fire Machine is cooled off before you disconnect and remove the LPG gas hose.

## 6. PRECAUTIONS FOR OPERATION

### WARNING

Using a damaged or improper installed machine can lead to death, serious injury or property damage. Always inspect the machine thoroughly before operation.

### WARNING

Unauthorized operation of the machine can lead to death, serious injury or property damage. Never leave the machine and the power switch unattended when the machine is ready for use.

### CAUTION

Always install / connect the output liquid before operating the machine.

## 7. MAINTENANCE

To achieve the maximum possible service life of the machine you must regularly clean the machine and test if it is functioning properly.

Contact MOTH if the machine is not functioning correctly.

### DANGER

Do not replace parts yourself, always consult MOTH.

## 8. TECHNICAL DATA

Fire Height	~ 1 – 2 meters
Angle	Up straight only
Voltage	AC110V / 220V, 60Hz / 50Hz
Max Power	80W
Control	DMX512 / Electric Control
DMX Channels	2
Fire Source	Gas (LPG)
Net Weight	4.5 kg
Gross Weight	5 kg
Product Size	18.5 x 18.5 x 29.5 cm
Packaging Size (Carton)	25 x 25 x 33.5 cm
Minimum Temperature (°C)	-10
Maximum Temperature (°C)	70
Maximum Pressure	8kg/cm <sup>2</sup> (7.8 bar / 113 psi)
Consumable(s)	LPG
Included	Power Cable, DMX Cable, Manual



**NOTICE**

Wind and other weather conditions will influence the output distance.  
The given values are estimated values.

## 9. TROUBLESHOOTING

Always contact MOTH if any malfunctions or errors occur that cannot be solved with the instructions as described in this manual.

## 10. WARRANTY

The Fire Machine has a limited warranty of 1 year.

Opening and/or altering the machine will void warranty.

Wrong or incorrect usage of the machine will void warranty.

## 11. CORRECT DISPOSAL



This symbol on the product and / or accompanying documents means that used electrical and electronic products (WEEE) should not be mixed with general household waste. For proper treatment, recovery and recycling, please take this product to designated collection points where it will be accepted free of charge.

Alternatively, in some countries you may be able to return your products to your local retailer upon purchase of an equivalent new product.

Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling.

Please contact your local authority for further details of your nearest designated collection point.

Penalties may be applicable for incorrect disposal of this waste, in accordance with your national legislation.