

User manual

LFX Master dim



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LightingFX Tools

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This user manual is valid for the LFX Master dim

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The features described in this manual are subject to change without prior notice

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1. Intended use and **safety instructions**

Please read this user manual before the first operation!

This product is for professional use only and has been designed for indoor use.

The LFX Master is intended for operation with tungsten lamps only.

The safety symbol in this manual is shown to the right.



WARNING

It is important to read ALL safety and installation instructions to avoid any damage to the product and potential injury to yourself and others.

Only use this product if all cables, connectors and the product itself are undamaged.

The device must be used in accordance with local regulations only.

Do not operate the product if the ambient temperature exceeds 40°C / 104°F.

The LFX Master might become hot during operation. The temperature of the enclosure might exceed 48°C. Please keep away the LFX Master from inflammable materials. Maintain a distance of at least 30 cm (12 inch) all around to inflammable material. Please make sure the environment of operation provides a sufficient cool air flow.

The maximum output load must not exceed 2.3 KW @ 230 VAC.

High voltage might be present even when the main fuse is removed or blown!

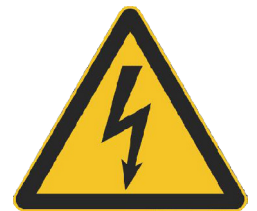
Ensure that the device is electrically connected to ground (earth).

Exposure to moisture may cause damage to the product and will void your warranty.

Damage caused by inadequate cleaning or maintenance is not covered by the product warranty.

Before a bulb of a connected lamp will be changed make sure the LFX Master is unplugged from the mains power and make sure the lamp is disconnected from the LFX Master!

You must inform your local fire department before you create artificial fire lighting effects using the LFX Master!



SERVICE

Servicing is to be performed only by qualified personnel. Take precautions to avoid ESD damage during service.

Disconnect the power before servicing the product.

POWER

Never connect to dimmer power!

2. Quick Start instructions

A

Connect power cord to mains power

B

Connect lamp @ power output

main fuse
10 Amps



power outlet
max. 10 Amps
for tungsten only

power cord

1.

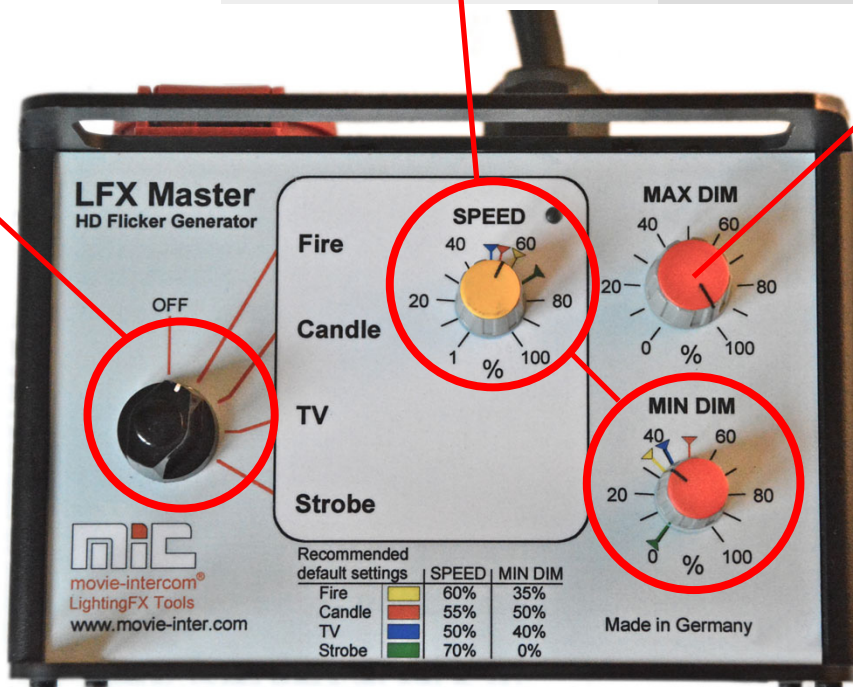
select with black rotary knob a preset

2.

Set yellow "speed" and red "MIN DIM" to the recommended default setting according to the table located on the control panel. The colored pins helps you to set the values.

3.

Set red "MAX DIM" to the level you need.



4.

Modify settings of "SPEED", "MIN DIM" and "MAX DIM" as you like

3. Product Overview

HD Presets

The LFX Master dim uses HD flicker patterns stored in the unit. Each pattern has a resolution of 24 fps with 60 second loop. For that reason effects generated by the LFX Master looks natural.

| Preset | Description | Recommended default values | | |
|--------|--|----------------------------|---------|---------|
| | | Speed | Max dim | Min dim |
| Fire | Simulates an effect of a fireplace | 60% | any | 35% |
| Candle | Simulates an effect of a candle, lantern | 55% | | 50% |
| TV | Simulates projection of a TV set, a composition with "cuts" and "pans" | 50% | | 40% |
| Strobe | symmetric rectangular sequencer (0.3...28 secs) | 70% | | 0 |

Modify the values as you like depending on the style and brightness required.

Power output

The LFX Master is equipped with a universal power supply for mains voltages from 100 VAC up to 240 VAC and an internal dimmer.

The internal 10 Amp dimmer autodetects the mains frequency for 50 Hz or 60 Hz. The dim control setting thus are adopted to the used mains power automatically.

It means it's easy to drive the LFX Master within every power network worldwide without changing any settings.

The maximum dimmer output power is always referred to 10 Amps for every mains power.

Worldwide use with mains autodetect

| Mains supply | max. output power |
|-----------------------|-------------------|
| @ 230 VAC 50 or 60 Hz | 2.3 kW |
| @ 110 VAC 50 or 60 Hz | 1.1 kW |

Green status LED

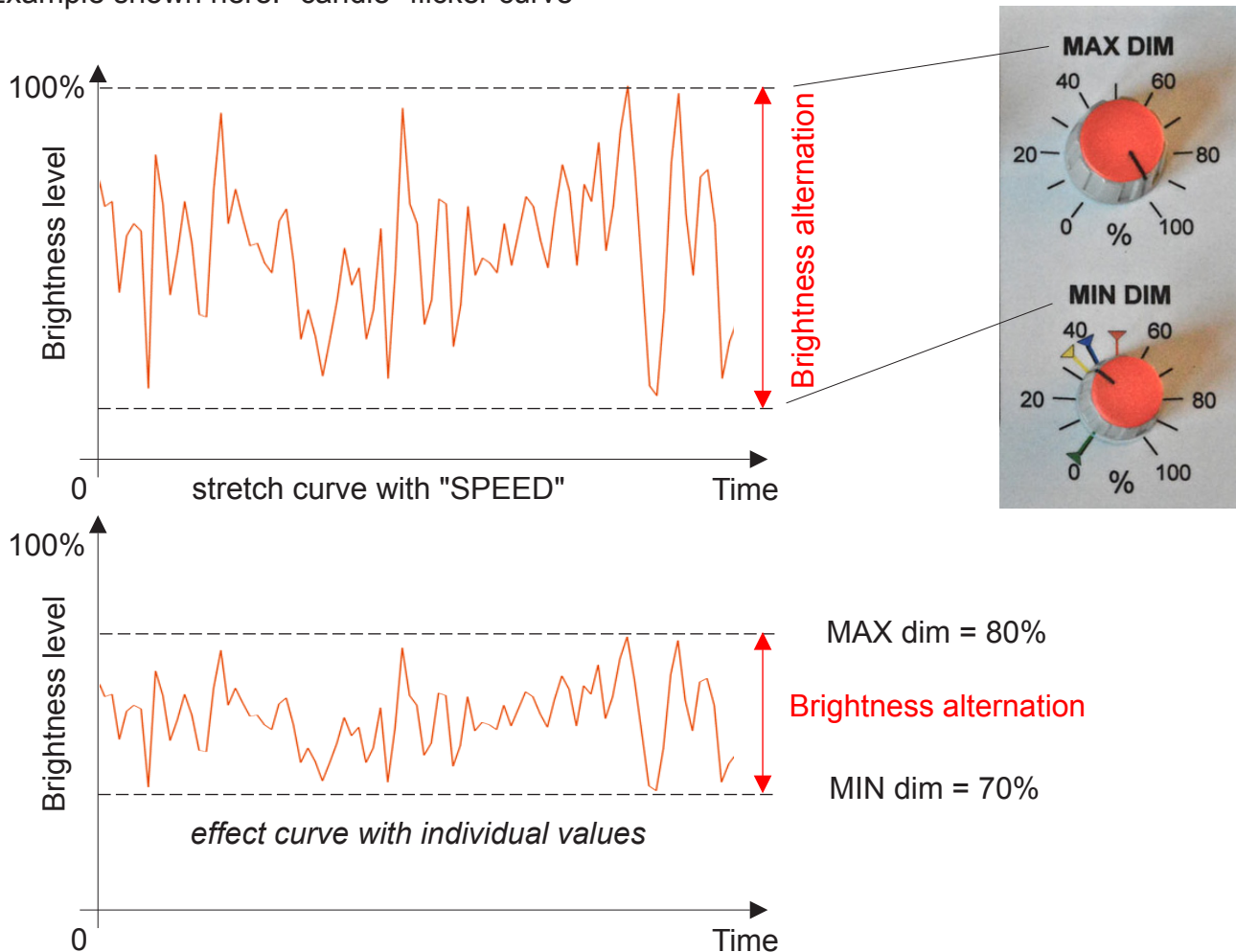
The LED on the rear panel signals a successful mains detection.



Quite useful if you would like to find out if there is power connected at the LFX Master.

Dimmer settings

Example shown here: "candle" flicker curve

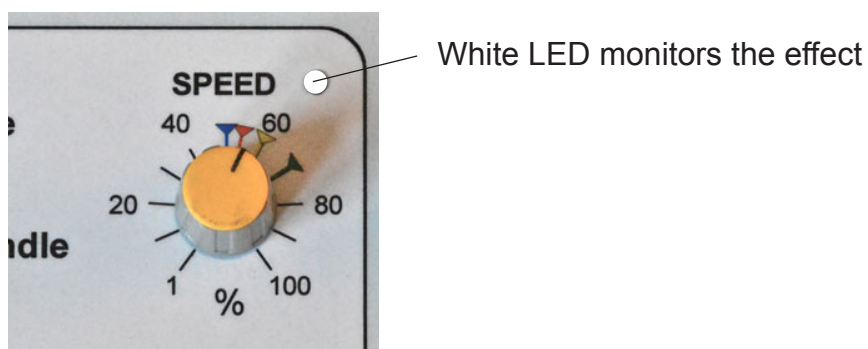


Please keep in mind

If you reduce the value of MAX DIM this will automatically reduce the value of MIN DIM!

Recommendation for set-up

At first set MAX DIM **then** set MIN-DIM



6. Trouble shooting

Possible problems using the LFX Master might be solved here.

Basic conditions for operation

1. The device, especially the power cord, has no damages.
2. The operation voltage of the LFXHub is 100 - 240 VAC @50/60 Hz
3. The built-in main fuse is not blown.

In case of a malfunction of the LFX Master the additional internal fuse of the power supply could have been triggered.

This internal fuse is self resetting. Please power off and wait 10 minutes and try again. Do not open the unit, it is not necessary.

| symptom | possible reason | solution |
|--|---|---|
| connected lamp remains off | Mains power not connected if green LED on rear panel is off | apply power until green LED is on |
| | Switch of connected lamp is off | switch it on |
| | Value of MAX DIM is too low | increase MAX DIM |
| connected lamp remains on | Value of MIN DIM is too high | decrease MIN DIM |
| flicker effect is bad | settings are not good | start with the default values, then change on value after the other |
| strobe effect with high frequency has "bumps" | the bulb inertia is too high | choose a lamp with smaller output power |
| Unit does not work despite all solutions shown above has been tested | excessive heat? strong humidity? | let the unit cool down at a cool place. |
| | nothing helps | please contact us, we fix it for you |

7. Specifications, cleaning, disposal

| general | |
|--|---|
| operation voltage | 100 - 240 VAC 50/60 Hz autosense |
| temperature operation range | -20°C ...40°C (-4°F ... 104°F) |
| dimensions (l x w x h) (without cable) | 17 x 12.5 x 12.5 cm (6.7" x 4.9" x 4.9") |
| weight | 1.75 kgs (3.9 lbs) |
| max. output power | 10 Amps @ 230 VAC 50 or 60 Hz: 2.3 kW @ 110 VAC 50 or 60 Hz; 1.1 kW |
| resolution preset | 24 fps, 60 seconds loop |
| presets | Fire, Candle, TV |
| | Strobe t= 67.5 msec ...28 secs, aspect ratio 50% |

Cleaning the unit

ONLY clean the unit when disconnected completely from all cables!
Use a clean slightly wet cloth.

Disposal

In order to avoid any possible effects resulting from the disposal of electrical and electronic equipment containing substances damaging the environment and human health, the European Parliament and Council directives 2002/96/EC on waste electrical and electronic equipment (WEEE) and 2002/95/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) have been transferred into national law in all EU member states.

The product you have purchased was developed in line with the current state of the art in an environmentally friendly manner and with the view of recycling.

The product is labelled with the symbol shown to the right. If you wish to dispose this product, this symbol obliges you to do so separately from industrial sorted waste.

Waste equipment should be shipped to movie-intercom. We will dispose the waste for you. Electrical equipment does not belong in regular waste.

European Union declaration of conformity



This product corresponds to the following specifications under strict observance of the installation instructions and technical specifications:
Standard 2004/108/EG of the European Parliament and the council from 15. December 2004 for law provision adaptation of the member states concerning the electrical

compatibility and for abrogation of standard 2014/30/EU.

The device passed the test. Berlin, May 12, 2016

8. Address & support

Do not hesitate to contact movie-intercom.
We are looking forward to answer your questions.

| | | |
|--------------------|--|---|
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