

# LFXHub

## The LightingFX generator

Create realistic looking lighting effects controlling virtually every type, number and size of tungsten, LED, fluoros or HMI. Twelve high-res presets with 24 fps resolution makes it very easy to set-up the three output channels.

Create stunning LFX of fire, torches, candles, firestorm, welding, short circuit, "broken" fluorescent tubes, LFX of a TV set or movie projector using a complex "film clip" preset with a simulation of "cuts" and "pans", unlimited number of pulsating lighting effects or simply trigger one of these LFX by a sensor, e.g. a blown off candle FX.

### Effects

- TV
- fire
- flasher
- torches
- welding
- short-circuit
- sequenzer
- neon signs
- candle
- strobelight
- projector flicker
- lava glow
- cross fader
- construction flasher
- „broken“ fluoro
- starting fluoro
- lightningFX\*
- photo flash\*
- explosion flash\*
- input for sensors

### Presets

A preset automatically sets up the frequently used settings - ready to shoot.

Easily find a preset within its categories TV, fire, triangle and rectangle.

Additional memory space stores your individual settings.

\* with lightning option installed

Resolution of  
Effect-Presets



### Key features

- High-res presets with 24 fps flicker curves
- "ramp" - adapts the signal to filament inertia
- three channels
- brightness limit calibration
- reproducible effects
- maintenance free

- English, French, Spanish, German display language
- Add new functions through software update
- Quick set-up
- rugged design made of thick aluminum

### Connectivity

- Three analog outputs (0-10 VDC)
- control of fluoros
- (see list on website)
- control of 0-10V dimmer packs
- integrated dimmer pack for CH1
- digital interface for DMX-512 module or data cable
- control input for accessories



# ACCESSORIES

## Synchronize lighting

Let the talent synchronize an effect of a manually switched practical or blown off candle flame with the set lighting.

A sensor can trigger every effect producible with the LFXHub.

- No re-wiring of practicals
- SFX applicable
- connection at the control input of the LFXHub

## LightingSensor

optical detection - now with improved detection circuit



## PowerSensor

electrical detection



## DMX-TX module MKII

controls up to 192 DMX channels

- for DMX-512 devices



## Cable remote dimmer

dim the master level of the LFXHub remotely

- plug & play



## KinoFlo control cable

control fluoros with Remote DIM input

- for Divalite, ParaBeam, ParaZip



## Universal cable

one cable extension for all LFX Tools



## LightningFX option

Adds multi-channel lightning/flash effects to the LFXHub, includes software upgrade



## Data cable for LFXHub

upload additional software



## Waterproof case

tested due to military standard

- unbreakable & dustproof



# The idea of the LFX Tools

Normally creating lighting effects of fire, TV or similar takes a certain set-up time and keeps electricians busy.

The LFXHub covers many frequently used lighting effects in a single box.

## Realistic looking lighting effects

The stored presets provide a resolution of 24 fps. Modify each preset according to your demands.

Control tungsten, LED, fluorescents, HMI or HMI combined with a dimmer-shutter.

Control an unlimited number and size of lamps with the optional available DMX-512 output or use the internal dimmer pack.

## Sensors

Manually synchronized switched circuits typically lead to additional takes.

Let the talent do the job. The PowerSensor or the LightingSensor detects the changed lighting situation and thus automatically synchronises a switched practical or real candle flame with film lighting.

Save precious time during shooting.

Each connected accessory is automatically identified by the LFXHub's control input, thus only provides the features which makes sense - easy to use.

## Developed from practice on location

Our tools have been developed based on our many years of experience on location as gaffers and grips combined with German engineering skills.

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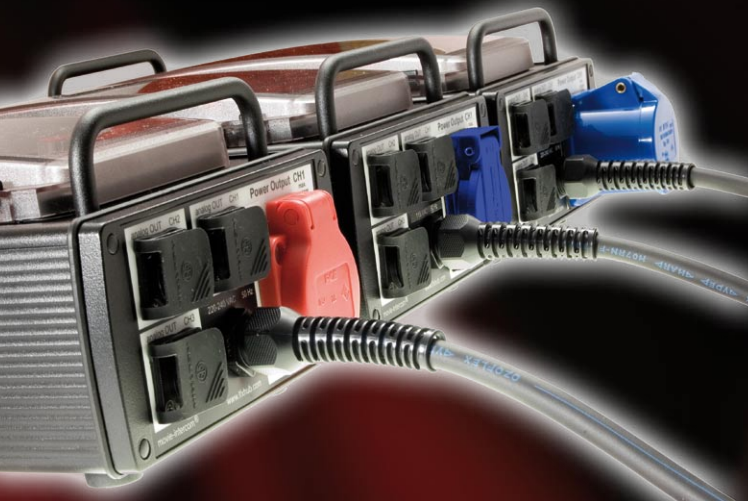
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Explore the LFX Tools online.

- Watch film clips - see the effects
- Take a quick tour



The LFX Tools are available in 110V/60 Hz and three different 230V/50Hz versions



Purchase LFX Tools and RC4 wireless products in our ...



# WIRELESS DMX

DMX cable elimination saves a lot of time on location.

The wireless dmx bridge and the wireless low-voltage dimming system of RC4 also work seamlessly with LFXHub.



Create lighting effects without cables!

- secure
- reliable
- wireless dimming of low voltage lamps and LED
- low-cost

## DMXio DMX transceiver

- transmitter for wireless DC-dimmer
- wireless DMX line with 2 units



## Wireless DMX low voltage DC-dimmer

### DMX2dim

- 2-channels 150 W, 6 - 24 VDC



### DMX4dim

- 4 channels 150 W, 6 - 24 VDC



### DMX4dim500

- 4 channels 500 W, 6 - 30 VDC



The excellent wireless DMX RC4 Magic Series 3 products are distributed by movie-intercom.

Specifications					
LFXHub	order code	lfxhs	lfxf	lfxc	lfxhu
connectors		Schuko	CEE 7/V	CEE 16 A	NEMA 5-15
operation voltage		200 ... 240 VAC / 50 Hz		90 ... 125 VAC / 60 Hz	
operation temperature range		-20°C ... 70°C (-4°F ... 158°F)			
protection level with closed lid		IP 22			
dimensions (l x w x h) without power cable		360 x 170 x 120 mm ( 14.1" x 6.7" x 4.8" )			
weight		4.7 kg	5.0 kg	4.9 kg (10.7 lbs)	
internal dimmer pack = CH1					
max.output power		3600 W @ 230 VAC		1700 W @ 115 VAC	
peak output current		250 A for 10 msec			
upper dimmer level range (max)		0 ... 100%			
lower dimmer level range (min)		0 ...99%			
interfaces					
analog out		3 separate channels: CH1, CH2, CH3, short-circuit proof			
industrial standard SL10		0 ... 10 VDC / max. 15 mA per channel,			
output configuration individual selection / channel		synchronous, delayed, inverse opposite CH1			
Analog IN control input		every connected LFX Tool is automatically identified			
DMX OUT		requires optional available DMX- module			
DMX channels		for each LFX Hub channel 64 DMX channels ( 3x 64 = 192 )			
DMX address / channel		1 ... 512			
Presets					
resolution of each preset		24 samples / sec at nominal preset speed			
TV category		presets: feature film, news, video clip + individual memory space „my recent setting“			
fire category		presets: fire, candle, welding + individual memory space „my recent setting“			
triangle category		presets: sawtooth, sym. flash, neon lights 1 + individual memory space „my recent setting“			
rectangle category		presets: construcion flasher, turn indicaator, neon lights 2 + individual memory space „my recent setting“			
manual settings rectangle / triangle					
speed range		for triangle: 0.3 ... 28 sec		for rectangle: 67,5 msec ... 28 sec	
summetry (ratio on / off)		ti = 1 ... 99%			

Trigger module + LightningFX software		order code: lix
operation voltage		10 VDC (powered by the LFXHUB)
operation temperature range		-20°C ... 60°C (-4°F ... 140°F)
dimensions (l x w x h) without cable		50 x 45 x 50 mm (2" x 1.8" x 2")
weight		260 g (0.6 lbs)
output plug		female 6-pin XLR, gold plated
protection level		IP 67, classes III
presets		single-flash, multi-flash. lightningX
memory space for individual settings		1 (my recent setting)

Cable remote dimmer		order code: crdi
operation voltage		10 VDC (powered by LFXHub)
operation temperature range		-20°C ... 70°C (-4°F ... 158°F)
dimensions (l x w x h) without cable		50 x 45 x 50 mm (2" x 1.8" x 2")
weight		260 g (0.6 lbs)
control cable lenght		3.5 m (11')

All specifications are subject to change without prior notice.

DMX-TX module MKII		order code: dmx2
operation voltage		10 VDC (powered by LFXHub)
operation temperature range		-20°C ... 60°C (-4°F ... 140°F)
dimensions (l x w x h) without cable		50 x 45 x 50 mm (2" x 1.8" x 2")
weight		260 g (0.6 lbs)
DMX output socket		5-pin XLR (pin 1 ground, pin 2 DMX -, pin 3 DMX +, pins 4 and 5 not connected)
DMX protocoll		USITT DMX-512 (1990) / DIN 56930-2
number of DMX channels		192 (max. 64 DMX addresses for each LFXHub channel)
DMX channel settings range		001 ... 512 with smart setup software

LightingSensor MKII		order code: lise
operation voltage		10 VDC (powered by LFXHub)
operation temperature range		-0°C ... 70°C (32°F ... 158°F)
dimensions (l x w x h) without cable		150 x 108 x 42 mm (5.9" x 4.3" x 1.7")
weight		410 g (0.9 lbs)
control cable length		3.5 m (11')
optical detection circuit		
max. range		12 m (39')
measurement angle		8 dregrees
level indicator		10-step bargraph display
fixing		3/8" pin
gain range		20 dB

PowerSensor					order code	poses	posef	poseb	poseu
connectors		Schuko	CEE 7/V	BS1363		NEMA 5-16			
operation voltage		200 ... 240 VAC / 50 Hz		100 ... 125 VAC / 60 Hz					
operation temperature range		-20°C ... 70°C (-4°F ... 158°F)							
dimensions (l x w x h) without power cable		168 x 108 x 59 mm (6.7" x 4.3" x 2.4")							
weight		1 kg (2.2 lbs)							
control cable length		3.5 m (11')							
optical detection circuit									
max. load		1100 Watts		500 Watts					
min. load (low mode)		25 Watts		40 Watts					
min. load (high mode)		40 Watts		60 Watts					
max.turn on delay		13 mec							

KinoFlo control cable		order code: kflo
applicable KinoFlo fixtures		DivaLite®, ParaBeam®, ParaZip® using the remote DIM input
control cable length		3.5 m (11')
DivaLite®, ParaBeam®, ParaZip®, KinoFlo®, are registered trademarks of KinoFlo Inc., U.S.A.		

Universal cable		order code: unic
extension cable for		PowerSensor, LightingSensor, Cable remote dimmer, LightningFX Trigger module, KinoFlo control cable
control cable length		4 m (13')

Case, space for a complete kit of LFX Tools		order code: p155
dimensions (l x w x h)		52 x 43 x 22 cm (20.5" x 17" x 8.7")
weight		5.0 kg (11 lbs)
unbreakable, waterproof IP 67, dustproof, chemical resistant, corrosion proof, tested to MIL-C-4150J (military standard), cut-out foam		



LightingFX TOOLS

realistic looking lighting effects