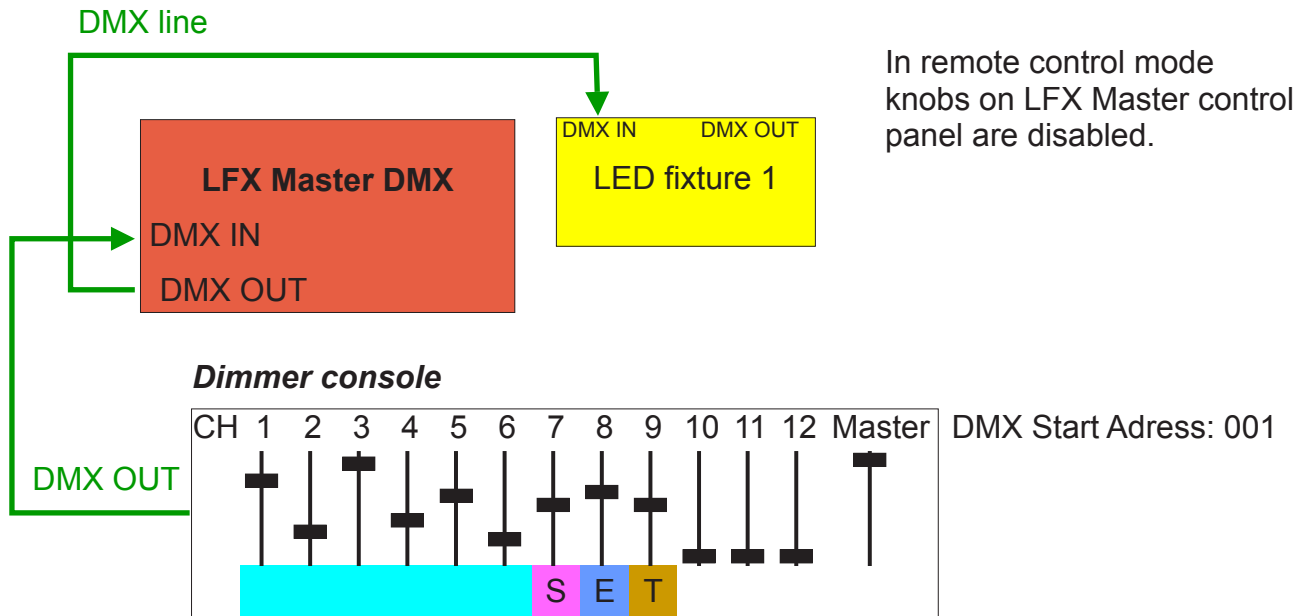


6.3.3 DMX IN preset "full remote control"

This preset loads all required settings for remote control of the LFX Master DMX via DMX.

Remote control is active if rotary switch "EFFECT" is NOT on position "DMX set-up".



```

set-up DMX IN
▶ load preset
▶ edit DMX channels
▶ clear channels
    
```

```

▶ 3xOUT separate Dim
▶ full remote control
▶ optical sensor IN
▶ expert mode
    
```

dimmer console DMX Start address

Edit the DMX addresses and functions the same way as done in the DMX OUT expert mode.

```

Expert mode DMX IN
address = function
001 = MAX OUT 1
002 = min OUT 1
-----
003 = MAX OUT 2
004 = min OUT 2
005 = MAX OUT 3
006 = min OUT 3
007 = SPEED
008 = EFFECT
009 = Transistions
▶ add input channel
▶ exit
    
```

DMX Values for EFFECT	
0 – 14%	= OFF
15 – 29%	= fire
30 – 35%	= candle
36 – 51%	= tv
52 – 68%	= welding
69 – 84%	= fluoro
85 -100%	= strobe

DMX values for TRANSITIONS	
0 - 33%	= hard
34 - 66%	= med
67 -100%	= soft

Please see more details on page 25

6.3.4 Custom DMX IN patching (Expert Mode)

With this feature you are able to individually "outsource" every DMX channel along with its according function to a dimmer console.

given DMX OUTPUT configuration

```

for Select LED
▶ CONFIRM SETTINGS
address = function
010 = DIM OUT 1
012 = CCT fix 000
013 = G/M fix 000
014 = GEL fix 000
015 = HUE fix 000
016 = SAT fix 000
▶ expert mode

```

Example here:
Kino Flo Select LED in mode "GELS/HUE"

We would like to control the gel using a fader on the dimmer console.

DMX channel 014 is the gel of fixture 1.

As shown in the example you can add any other patch of a connected device or LFX Master DMX function to a console.

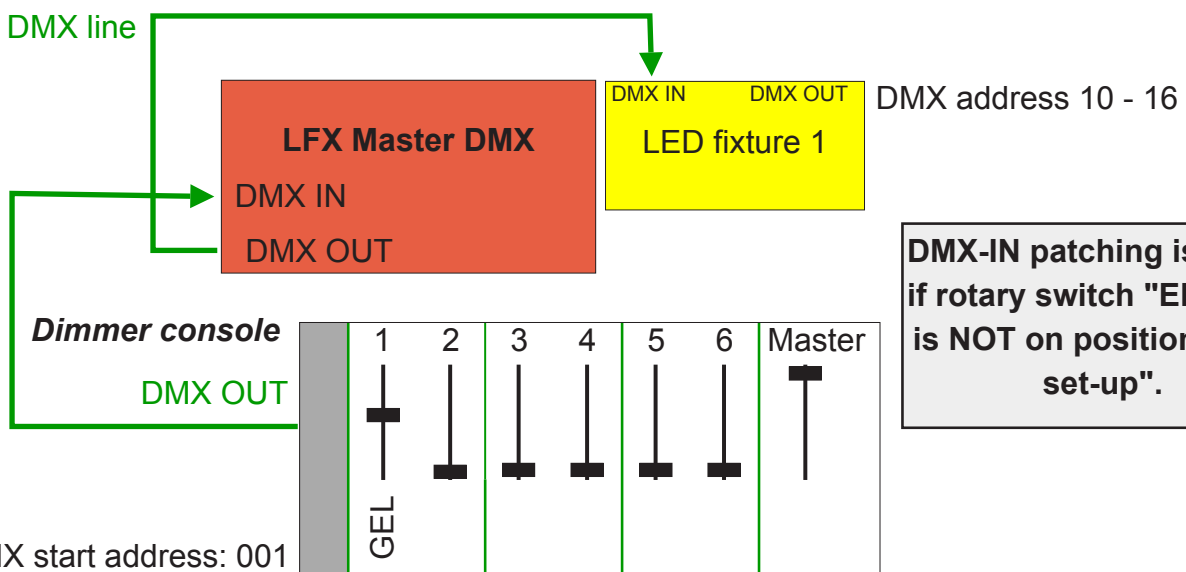
How to set-up

1. Go to "DMX set-up" > "DMX IN" > "edit DMX channels" > "add channel"
2. With JOG choose address 001 (the first fader on the console)
3. choose function "patch"
4. choose the DMX address you want to patch (DMX channel 014 of fixture 1)
5. Confirm in the following alert to overwrite the channel (because it has been used by fixture 1). **Channel 014 of the DMX OUT config will be removed!**

```

Expert mode DMX IN
address > function
▶ add input channel
▶ 001: Patch 014
▶ exit

```

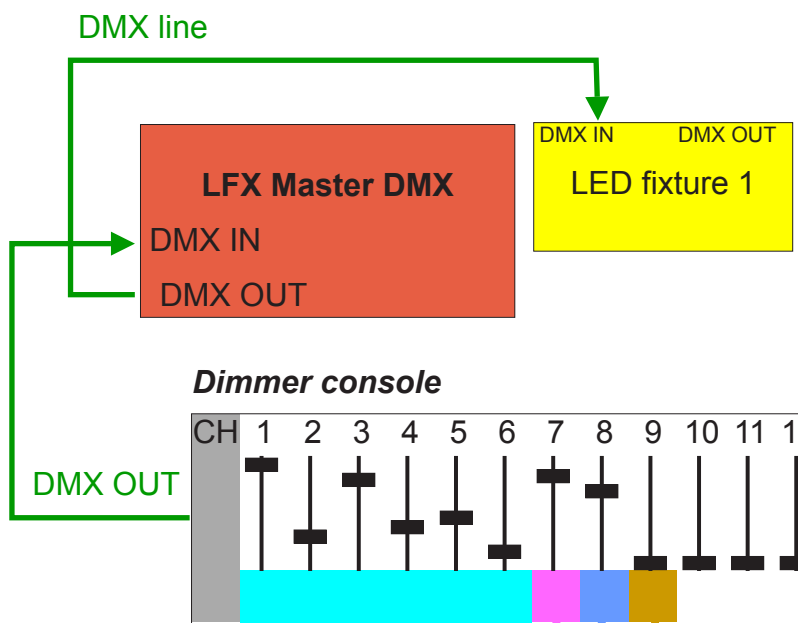


6.3.5 Indicating DMX IN values

If a DMX IN source is detected AND the rotary knob EFFECT is on any effect position the DMX input values are displayed if switch "EFFECT" is not in position "DMX set-up".

DMX-IN values are visible only if rotary switch "EFFECT" is NOT on position "DMX set-up".

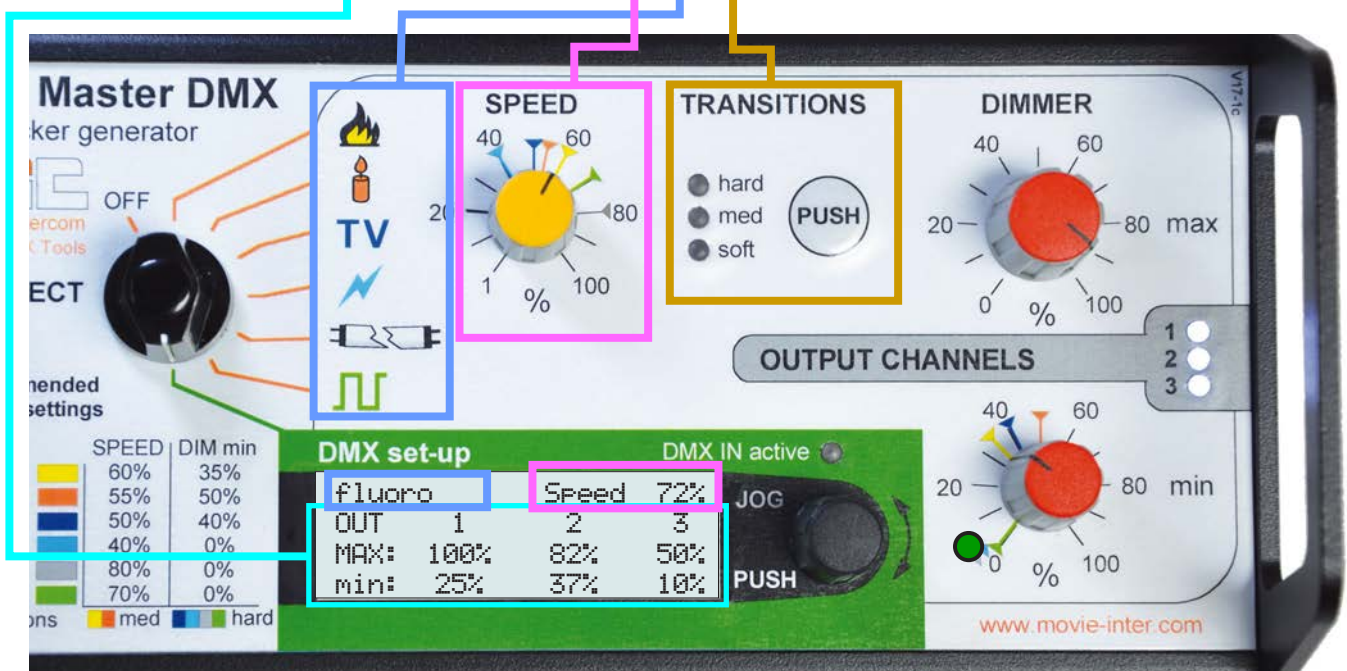
hardware set-up example:



DMX map

DMX channel	function
001	MAX OUT 1
002	min OUT 1
003	MAX OUT 2
004	min OUT 2
005	MAX OUT 3
006	min OUT 3
007	SPEED
008	EFFECT
009	Transitions

DMX start address: 001



Chapter 7

Software update

The LFX Master DMX functions are based on software.

Updating the software may add new features.

To update the software you will need a micro SD-card, type SD or SDHC, max. of 32 GB

required equipment

- micro SD-card (max. 32 GB)
- Screwdriver TX10

1. Copy the new software, received by e-mail, to the root level of the SD-card.

It needs to be formatted as FAT 32 (mostly that's the default format for new SD-cards)

2. Please remove the right hand side cover by screwing off the two screws (Torx 10).

The SD-card slot is located on the right hand corner.

3. remove DC power plug (!)



4. insert the SD-card into the slot, contacts of the card should face down

5. power up the LFX Master DMX

6. follow the instructions on the display

7. Remove the SD-card and re-assemble the side panel



micro SD-card slot

WARNING

DO NOT INTERRUPT THE POWER SUPPLY UNTIL THE UPDATE PROCESS IS FINISHED!

Chapter 8

Trouble shooting**Basic conditions for operation**

1. The device, especially the power supply unit, has no damages.
2. The operation voltage is 100 - 240 VAC @50/60 Hz

symptom	possible reason	solution
no display, no lights on the unit	power missing or supply voltage too low > 6 - 32 VDC, min 120 mA	check power supply, power is fine if display is illuminated
connected lamps remain off	no DMX communication	Set-up DMX OUT & DMX settings at lamp
	Some DMX channels might have been overwritten by DMX IN settings	check if all output channels are still present & configure it correctly
	connected device is switched off	Switch it on
	Value of DIM max is too low	increase DIM max
connected lamp remains on	Value of MIN DIM is too high	decrease MIN DIM
flicker effect is bad	effect settings need to be adjusted	start with the default values effect preset (labeled on the control panel), then change one value after the other
There are visible steps at the LED fixture for an effect	Transitions is set to "hard"	set "Transitions" to "med" or "soft"
An effect of a LED fixture looks smooth	Transitions is set to "soft"	Set "Transitions" to "hard" or "med"
	fixture settings wrong	for KinoFlo: set function "smooth" = OFF for Arri: set function "Low End Mode" = ON
	fixture delays DMX input signal	TEST: Choose any EFFECT, set DIM min to 100%, then rotate DIM MAX quickly, if there is a delay in response the fixture is not configured correctly or not applicable.
Effect with tungsten @ DMX dimmer looks smooth	wrong dimmer settings	set dimmer curve to "linear"
no Effect with tungsten @ DMX dimmer or lamp steadily on		- set "pre-heat" > OFF and/or - must not be set in "switch"-mode
Unit does not work despite all solutions shown above has been tested	excessive heat?	let unit cool down
	excessive humidity?	let unit dry
	nothing helps	please contact us, we check it out for you

Chapter 9

Specifications

order code	lmdx
operating voltage	6 – 32 VDC, min 120 mA, universal PSU included for 90 – 240 VAC, 50/60 Hz, adapter plugs: US, UK, EU, AU
temperature operating range	-10°C ...65°C
Dimensions	(l x w x h) 20 x 11 x 8.6 cm
weight	650 gramms (1.4 lbs) without PSU
DMX protocol	USITT DMX-512-A
DMX sockets	5-pin XLR
DMX output	assisted configuration with device preset or custom DMX configuration. Set DMX channels for CCT, G/M, gel and RGB or allocate an output channel to a DMX channel.
Device presets	Pre-defined DMX set-up for Kino Flo: FreeStyle LED, Select LED, Diva-Lite LED, Celeb LED, Parabeam, Parazip, supported modes: White, GELS/HUE, RGB Arri: Skypanel-C, L5-C, L7-C, L10-C, Broadcaster 2+ 2 channel generic LED 12 channel tungsten dimmer pack custom DMX channel allocation for all others
DMX input presets	Extend the functionality with a simple DMX console and presets @ DMX INPUT (optional dimmer console required) separate dim (MAX & min) control for output channels 1, 2 and 3 remote control via DMX IN for all effects DMX patch to any device channel or LFX Master DMX function
resolution preset	24 fps, 60 seconds loop @ default value
HD effects	Fire, Candle, TV, Welding, “broken” fluoro, strobe Strobe t= 67.5 msec ...28 secs, aspect ratio 50%
enclosure	made of 3 mm thick aluminum
software updates	no shipping, provided by e-mail, micro SD-card slot for updates built-in
Mounting	1/4" thread on bottom of enclosure
All specs shown above are subject to change without prior notice.	

Chapter 10

Cleaning and disposal

Cleaning the unit

ONLY clean the unit when disconnected completely from all cables!

Use a clean slightly wet cloth.

Do not use any detergents for cleaning.

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, June 22, 2017

Chapter 10

Address & support

Please do not hesitate to contact movie-intercom.

postal address	movie-intercom Bluecherstr. 21 10961 Berlin Germany	
phone 24h / 7 days	+49 30 2232 0575	
fax	+49 30 2232 0571	
e-mail	support@movie-inter.com	@
web/online shop	http://www.movie-inter.com	
Online configurator for LFX Master DMX	www.lfxmaster.com	

We are looking forward to answer your questions.