

GKORE FX2 nano

Overview

The GKORE FX2 nano is a small 2-channel LED effect generator. The ultimate tool for anyone who wants to create simple and quick LED effects. This compact device supports the connection of 5V LED strips or LED modules and can be easily operated with a USB-C power bank or a suitable power supply.

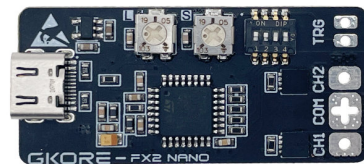
Cinematic lighting with flicker-free 30kHz and fine-tuned 10-bit dimming resolution, the GKORE FX2 nano also offers pre-programmed effects such as fire, blink and fade. The brightness and speed can be controlled via the two integrated potentiometers. The GKORE FX2 is perfect for small fixtures or prakticals, such as oil lamps or flashlights, where space is crucial.

The integrated trigger input enables easy activation of the set effects or brightness, so that you can realize dynamic and interactive lighting concepts, or activate the GKORE FX2 nano on-cue.

In addition, the firmware is free available as open source and offers the flexibility and adaptability you need for your individual needs.

Features

- 2ch high performance LED effect controller
- USB-C powered, 5VDC
- 5 built-in effects and functions, like flame effect and blink
- up to 2A per channel
- Fixed 30kHz PWM frequency, 10Bit dim resolution
- 2 analog potentiometer for brightness control or effect speed
- trigger input to enable presets
- a 4-way DIP switch for selecting presets or effects
- a powerful STM32 MCU
- Firmware is free available as Open Source (MIT License)



General Functionality

- | | |
|-----------------------|--|
| ▪ Power IN | USB-C 5VDC, max. 4A, no PD |
| ▪ Current | 2A per channel |
| ▪ Temp. working range | -20°C - +60°C |
| ▪ Frequency | 30kHz flicker-free PWM |
| ▪ Dim resolution | 10Bit |
| ▪ pre-coded effects | CCT dimming, Flame Effect, BLINK 50/50, FADE 50/50 |
| ▪ MCU | STM32L031K6T7, 32MHz, 32kB Flash |

Dimensions

44.50mm x 21.50mm x 4.00mm

User Interface

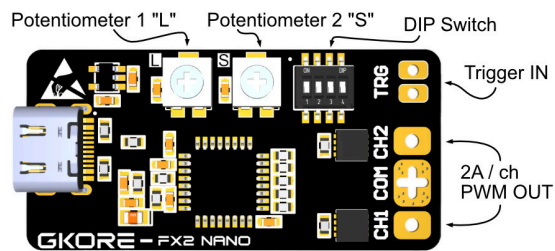
DIP 1/2

- 00 -> CCT DIM
- 01 -> BLINK 50/50
- 10 -> FLAME EFFECT
- 11 -> FADE 50/50

DIP3 TRIGGER ENABLE

DIP4 2 single channel mode

- L -> CH1 Level
- S -> CH2 Level



Debugging Interface

GND | NRST | 3.30V

SWDIO
SWCLK
3.30V
GND

