

# RGB LED Strip Driver Shield v1.0

DFR0274

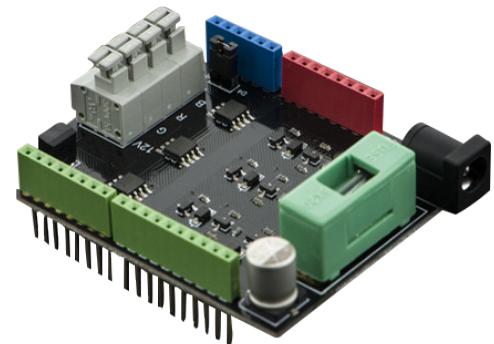
## Product Overview

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## Description

DFRobot RGB LED Strip Driver Shield v1.0 allows users to program RGB LED strips to be rhythmic or unpredictable. This RGB LED strip shield contains all the components needed to build an RGB (or other three-channel) LED project with Arduino. The RGB LED strip driver shield has three outputs with pulse width modulation and each can control any 12V load at up to 3A. This shield has a built-in IR receiver that allows the LED strip to be controlled by an IR remote controller.



The RGB LED strip driver shield features a built-in fuse that protects the LED strip from overcurrent or any shortage. This shield can drive a 10-meter length RGB LED strip with an Arduino processor that requires 10A (@12V) driving capability.

## Specifications

- Compatible with Arduino Uno, Mega, and Romeo
- Compatible with 12V RGB LED strip (common anode)
  - 72W recommend working power (2A per way)
- Limited driving capability:
  - 10-meter RGB LED Strip with max brightness
- Support IR remote control
- RGB LED strip driving pins:
  - D9 - Blue output
  - D10 - Red output
  - D11 - Green output
- IR receiver:
  - D4 - IR receiver pin

## Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-rgb-led-strip-driver-shield/>