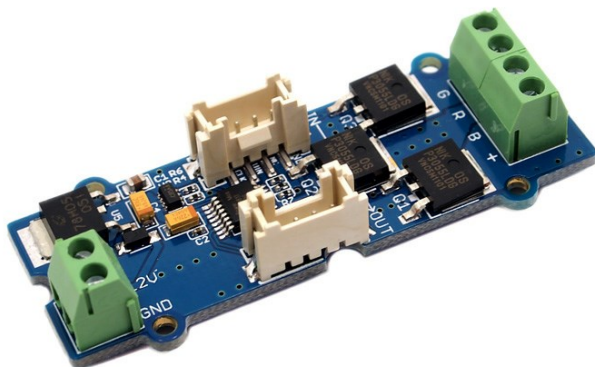
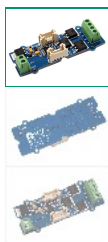




Grove - LED Strip Driver

SKU 105020002


IN STOCK 9 Available

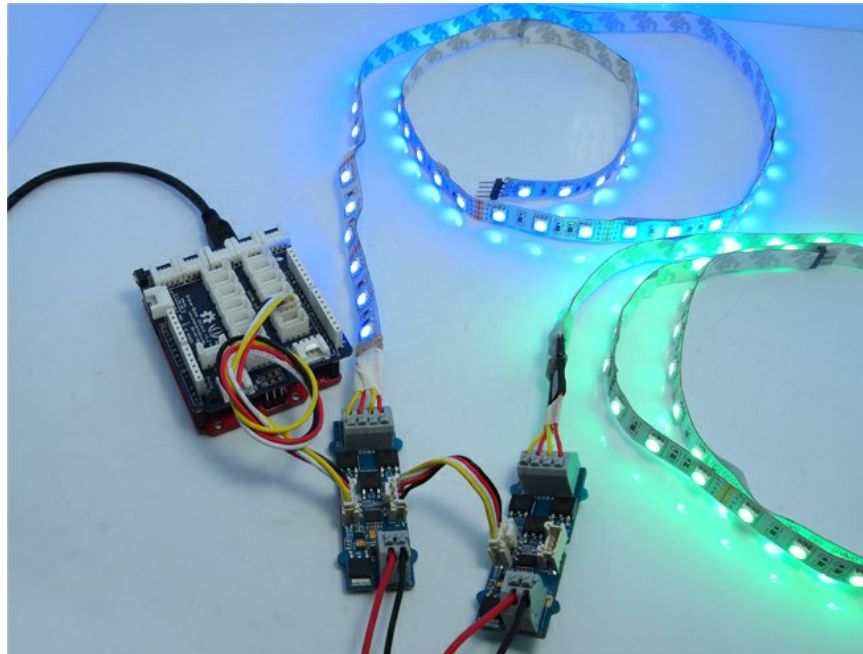
[ADD TO CART](#)
[Description](#)
[Best-sellers](#)
[Technical Details](#)
[Questions and Answers](#)
[View History](#)

Description

The LED Strip Driver with 4-pin Grove interface provides easy connectivity to your standard Arduino device or Seeed Stalker. It can help you control the luminance of a single-color LED strip, as well as the color and the luminance of an RGB LED strip through Arduino or Seeeduino.

It has 2 terminals and 2 Grove interfaces. The power for the LED strip comes in through the 2-pin terminal. And the LED controlling voltages output through the 4-pin terminal. The 2 Grove interfaces are respectively screen-printed "IN" (for controlling data input) and "OUT" (for controlling data shared with the next strip driver).

It can drive an LED strip 1 to 2 meters long with 9 V, while 1 to 5 meters long with 12 V. The driver in conjunction with the colorful LED strips can add a wonderful effect to indoor or outdoor usages.



Features

Grove compatible interface

Can be cascaded for a larger display

Best results achieved with LED strips 5 meters long or shorter

Outputs PWM signals

256 gray-levels are adjustable via programming

Arduino and MEGA compatible

Screw Terminals (power input and control signal output interface)

For all Grove users (especially beginners), we provide you guidance PDF documents. Please download and read through [Preface - Getting Started](#) and [Introduction to Grove](#) before your use of the product.

Documents

Best-sellers



Base Shield V2



Flexible LED Strip - RGB



Grove - Relay



Grove - Universal 4 Pin 20c...

Technical Details

Dimensions	120mm x 80mm x 13mm
Weight	G.W 13g
Battery	Exclude

Documents

- [Wiki](#)
- [N-MOSFET DMN3016LK3 Datasheet](#)
- [Schematic V1.1 in PDF](#)
- [Suli Library](#)
- [Schematic V1.2 in PDF](#)
- [LED Strip Driver library](#)
- [LED Strip driver eagle files V1.1](#)
- [LED Strip driver eagle files V1.2](#)
- [P9813 Datasheet](#)

Questions and Answers

Have a question about this? Ask people who own it.

0

Does the Grove - LED Strip Driver come with a cable to connect to the LinkIt One? Or do I have to buy one?

Vinnii on Oct 19,2016

Reply

upvote (0)

0

What do I need to do to connect to an Arduino directly?

on Oct 19,2016

Reply

upvote (0)

0

If you rotated the "out" grove 4-pin harness 180 degrees, the cable to the next one in line wouldn't have a hard-to-manage twist in it...

John Plocher on Oct 19,2016

Reply

upvote (0)

Never mind, I found it. Can I send you my Gerbers so you can verify them before placing my order? Thanks.

Guillermo Munoz Arzate on Oct 20,2016 10:47 AM

Reply

upvote (0)

Downloaded from [Arrow.com](#)

I would like to control 8 drivers. Each one controlling an LED strip. From the example code it looks like I have to create a separate line of Driver.SetColor for each driver, every time? Example:
Driver.SetColor(Driver1Red, Driver1Green, Driver1Blue);

Paul Pazdziora on Oct 19,2016

Reply |
upvote (0)



Hello,If I wish to connect 4 different LED stripes (each LED strip is composed from 3 different colors LEDs connect together, each color LED is 10cm long). Therefore, is it possible and do I need 4 LED Strip Driver? Will I have some power proble

dan kin on Oct 19,2016

Reply |
upvote (0)

Yes. It works now! Thanks!

Yusuke Fujikawa on Oct 20,2016 10:47 AM

Reply | upvote (0)

Yes, you need 4 led strip drivers. The numbers of driver you can use are depended on the total load of your circuit. And if you wanna run the same blink code to work with all the stripes in parallel, you can modify the code from wiki: Driver.begin();

Jacket Chen on Oct 20,2016 10:48 AM

Reply | upvote (0)



Hi,Can you please describe all the components used to build, "In case of two LED strips, upload the DualLEDStrip demo code instead" section in this URL: <http://>

as hz on Oct 19,2016

Reply |
upvote (0)

Two led strip drivers , 9~12v power supply for both two led strip drivers , two led strips , two grove cables , one Seeeduino , one Base shield.

Jacket Chen on Oct 20,2016 10:48 AM

Reply | upvote (0)



hello,can you tell me the dimensions and holes please.Or even better would be a sketch where I can see it.many thanks and excuse my englishregards max

Maximilian Müller on Oct 19,2016

Reply |
upvote (0)

The diameter of those four holes is 2.2mm.And more information you can refer to the PCB eagle of this product.

Jacket Chen on Oct 20,2016 10:48 AM

Reply | upvote (0)



I'm confused by the specifiation table at <http://www.seeedstudio.com/wik...>My case is that we're going to connect three different color LED strip

Kuo-Hsien Chang on Oct 19,2016

Reply |
upvote (0)

it means if this module connects 5A@12V power supply, the driver current can be upto 3000 mA when the IED Strip is 5m, 3000mA presents the total three channel. for your application, you will connect the three different color LED strips onto 3 LED s

luo G.ss on Oct 20,2016 10:46 AM

Reply | upvote (0)



I am interested in driving 5-7 meters of RGB LEDs (fortunately not all will be on at once). I want to be able to control the ramp on and off times of the LEDs, to be able to turn on individual leds in a random order (eg random controlling a range of 9

China Blue Wong on Oct 19,2016

Reply |
upvote (0)

Hi.You can refer to this link(<http://www.seeedstudio.com/for...> and just have a try.

Downloaded from [Arrow.com](http://www.seeedstudio.com/for...)

Reply | upvote (0)

it is possible to wried to raspberry pi gpiowhich pinand and sample code?

James on Oct 19,2016

Reply |

upvote (0)

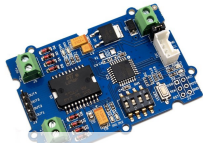
Hi James Kong.If you use gpio with LED strip Driver directly,you need make a library for it youself.But if you plug a Alamode on Raspberry pi,you can use the same pin and code.

Jacket Chen on Oct 20,2016 10:45 AM

Reply |

upvote (0)

View History



Grove - I2C Motor Driver



EL Tape - Yellow 1m



EL Panel - Yellow 10cm x 1...



7 Segment Display - 3 Inch...

POPULAR SEARCHES

- PCB Manufacturing
- PCB Stencil
- Arduino
- XBee
- Arduino Shield
- Beaglebone Black
- Raspberry Pi
- Raspberry Pi Touchscreen
- Linkit
- Cubieboard
- Beaglebone Cape
- FPGA
- Linkit ONE
- Crazyflie 2.0
- Raspberry Pi 3 Model B
- RF Explorer
- DSO Nano v3
- MediaTek X20
- HiKey Board
- rplidar
- rasberry pi relay
- RPLIDAR A2



SHIPPING INFORMATION



KNOWLEDGE BASE



HELP CENTER

Seeed Info

- Reach Us
- Distributors
- Designers
- Careers
- Site Map

Customer Service

- Contact Us
- Customer Support
- Technical Support

Terms and Conditions

- Order Information
- Shipping Information
- Payment Information
- Warranty and Return
- Terms of use
- Privacy Policy

Stay Tuned

Subscribe to get the latest product releases, activities and tutorials from Seeed Studio.

email address

>

- f
- t
- y
- G+
- i