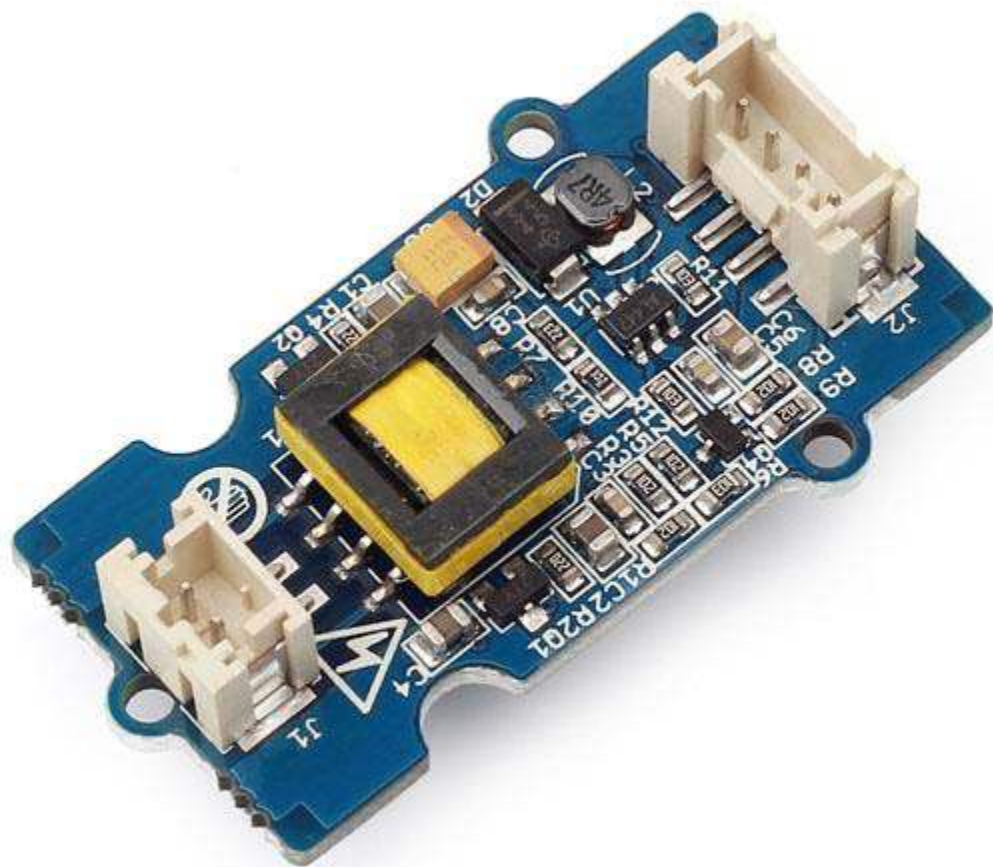


Grove - EL Driver



Grove - EL Driver is designed for driving EL Wires. It integrates a very small inverter to drive the EL Wire, so you can easily light up the EL Wire with just one single Grove cable.

Version Tracker

Revision	Descriptions	Release
v1.0	Initial public release	Dec 11, 2014

Supported EL Wires:

- EL Wire-Green 3m
- EL Wire-Red 3m
- EL Wire-Blue 3m
- EL Wire-Yellow 3m
- EL Wire-White 3m

Features

- Grove compatible interface
- 3.3V/5V Compatible
- Integrated Inverter Transformer
- Input Current: 300mA Max (According to the load)
- Supported max EL Capacitance: 15nF

Tip

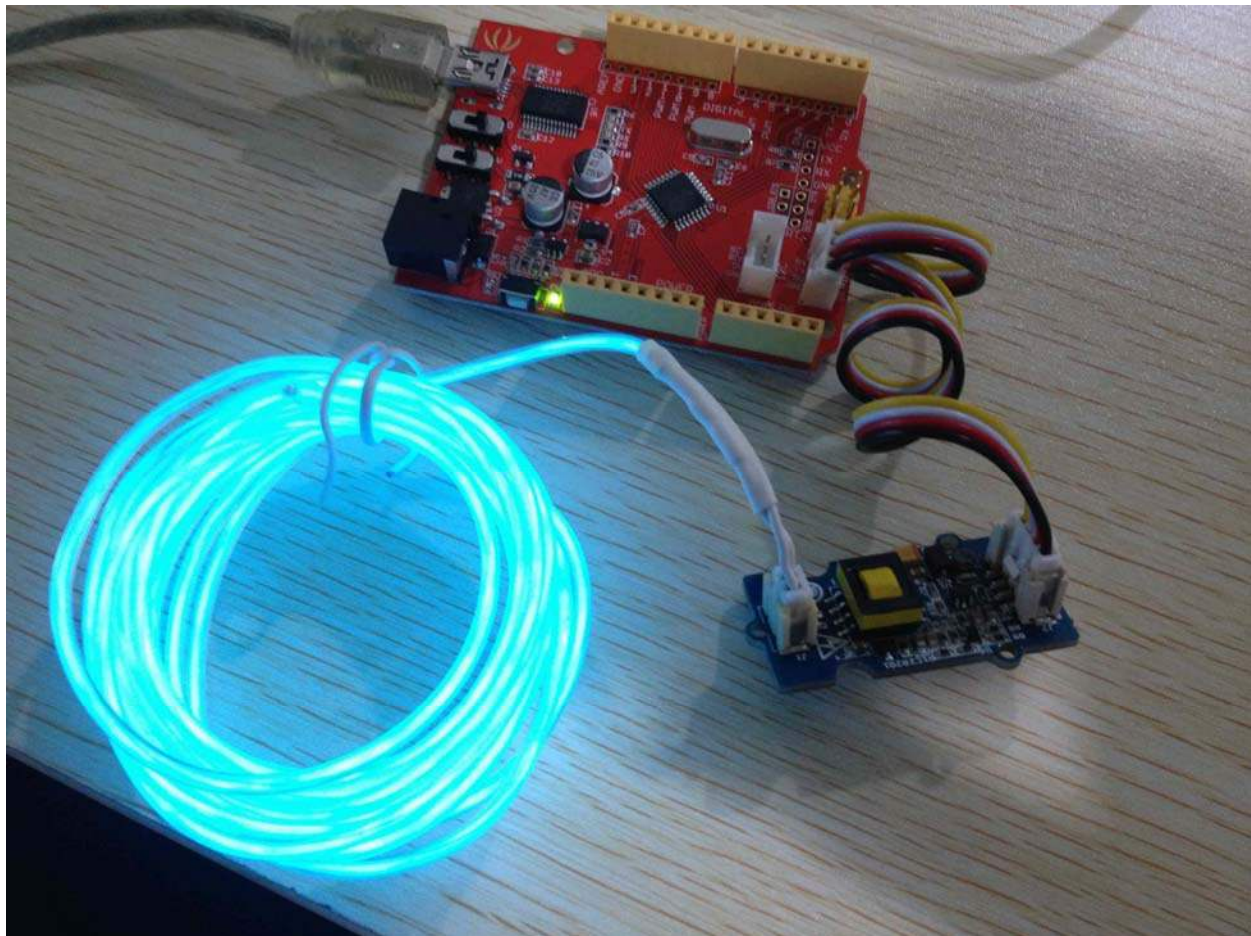
More details about Grove modules please refer to Grove System

Usage

Here we show how to use Arduino to control the state of the LED.

1. Connect the Grove - EL Driver to Base Shield's **digital port 2** with 4pin Grove Cable. Of course you can change to other valid digital ports if it's necessary and the definitions of the port should be changed too. Connect a EL Wire to EL Driver **J1** port with the given cable in product package.
2. Plug it onto the Arduino/Seeeduino. Connect the board to PC using USB cable.
3. Copy the demo code to your sketch, then upload to Arduino or Seeeduino board. You will see the EL Wire blink every second.

```
1/***** 2014 Seeedstudio *****/
2* File Name      : GroveELDriverDemoCode.ino
3* Author        : Seeedteam
4* Version       : V1.0
5* Date          : 11/12/2014
6* Description    : Demo code for Grove - EL Driver
7*****/
8
9#define ELPin 2 //connect EL Driver to digital pin2
10void setup() {
11 // initialize the digital pin2 as an output.
12 pinMode(ELPin, OUTPUT);
13}
14
15void loop() {
16 digitalWrite(ELPin, HIGH); // set the EL Wire on
17 delay(500); // for 500ms
18 digitalWrite(ELPin, LOW); // set the EL Wire off
19 delay(500);
20}
```



Resources

- sch_pcb_eagle

https://raw.githubusercontent.com/SeeedDocument/Grove-EL_Driver/master/res/Grove-EL_Driver_v1.0.zip

- sch_pdf

https://raw.githubusercontent.com/SeeedDocument/Grove-EL_Driver/master/res/Grove-EL_Driver_v1.0.zip

Tech Support

Please submit any technical issue into our forum.