



LED String Lights (Colorful) SKU: DFR0439



Introduction

These LED string lights are composed of a series of LEDs that have a colorful glow. They can be used as decorations and for other interesting applications. Use them as outdoor string lights, string lights in your bedroom, on your patio or on a globe. There are many applications, what can you think of?

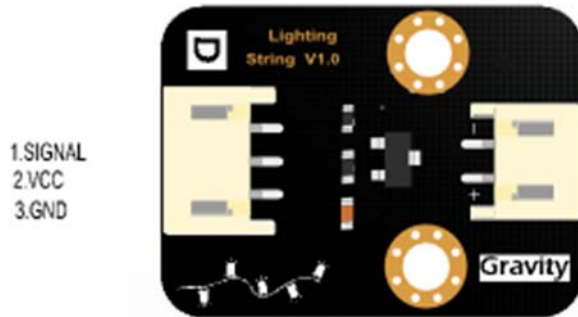


Note: Use the provided adapter to power the string to avoid risk of damage.

Specification

- Operating Voltage: 2.5 - 5V (5V Recommended)
- LED Length: 4 meters / 40 LEDs
- Adapter Board Dimensions: 30 x 22 mm / 1.18 x 0.86 "

Board Overview



No.	Label	Description
1	Signal	Input Signal
2	VCC	Power +
3	GND	Power -

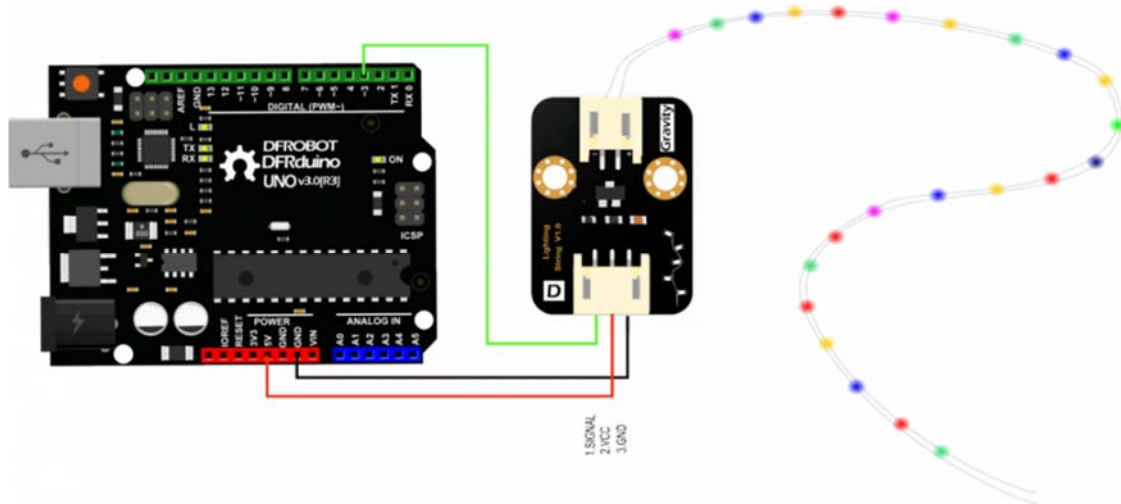
Tutorial

In this section, we'll tell you how to use the LED module

Requirements

- **Hardware**
 - DFRduino UNO (or similar) x 1
 - LED String x 1
 - M-M/F-M/F-F Jumper wires
- **Software**
 - Arduino IDE [Click to Download Arduino IDE from Arduino®](https://www.arduino.cc/en/Main/Software%7C)

Connection Diagram



Sample Code

```
1 /*****
2 * LED String Lights
3 * *****/
4 * Control a String Light to fade in and out
5
6 * @author Dongzi(1185787528@qq.com)
7 * @version V1.0
8 * @date 2016-5-26
9 * All above must be included in any redistribution
10 * *****/
11 int t;
12 #define Light_string 3
13 void setup() {
14
15   pinMode( Light_string, OUTPUT);
16 }
17 void loop() {
18
19   for(t=5;t<255;t++ ) // turn the Light string on (HIGH is the volta
ge level) little and little.
20   {
```

```
21     analogWrite( Light_string, t);
22     delay(10);
23 }
24
25 if(t>=255)          // turn the Light string off (HIGH is the volta
ge level) little and little.
26 {
27     for(t==255;t>5;t--)
28     {
29         analogWrite( Light_string, t);
30         delay(10);
31     }
32 }
33 }
```

FAQ

For any questions, advice or cool ideas to share, please visit the [DFRobot Forum](#).