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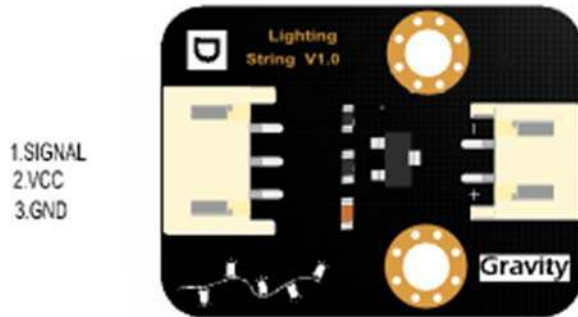
⚠️ Note: Use the provided adapter to power the string to avoid risk of damage.

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

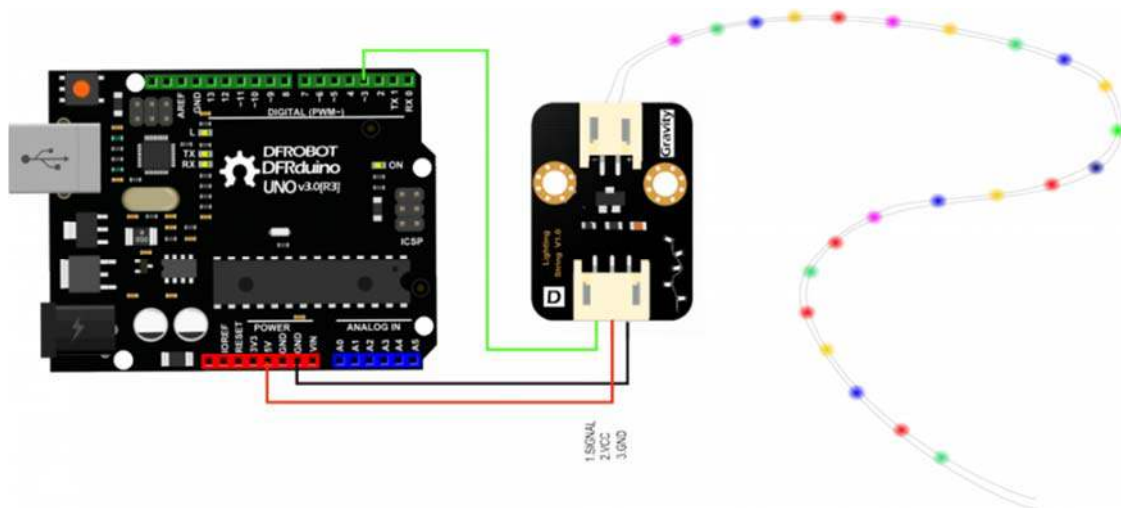| No.	Label	Description
1	Signal	Input Signal
2	VCC	Power +
3	GND	Power -

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 voltage 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 voltage 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**.