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# Diymalls WS2812 Tutorial LED Ring User Manual

**Contents**

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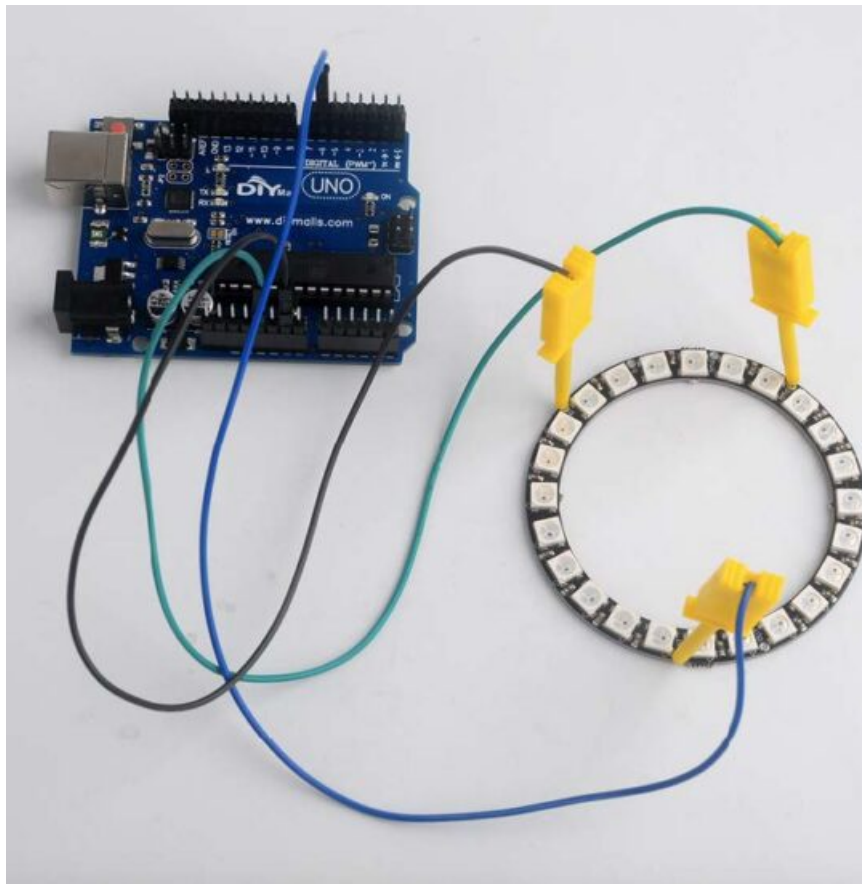
- PWR+5V to 5V
- GND to GND
- Data Input (or DI) to A6

Download library from **https://github.com/adafruit/Adafruit_NeoPixel**
You can open the standard test code

```
                                          strandtest | Arduino 1.8.1

      strandtest

   1   #include <Adafruit_NeoPixel.h>
   2
   3   #define PIN 6
   4
   5   // Parameter 1 = number of pixels in strip
   6   // Parameter 2 = Arduino pin number (most are valid)
   7   // Parameter 3 = pixel type flags, add together as needed:
   8   //    NEO_KHZ800  800 KHz bitstream (most NeoPixel products w/WS28
   9   //    NEO_KHZ400  400 KHz (classic 'v1' (not v2) FLORA pixels, WS2
  10   //    NEO_GRB     Pixels are wired for GRB bitstream (most NeoPixe
  11   //    NEO_RGB     Pixels are wired for RGB bitstream (v1 FLORA pix
  12   Adafruit_NeoPixel strip = Adafruit_NeoPixel(60, PIN, NEO_GRB + NE
  13
  14   // IMPORTANT: To reduce NeoPixel burnout risk, add 1000 uF capaci
  15   // pixel power leads, add 300 - 500 Ohm resistor on first pixel's
  16   // and minimize distance between Arduino and first pixel.  Avoid
  17   // on a live circuit...if you must, connect GND first.
  18
  19   void setup() {
  20     strip.begin();
  21     strip.show(); // Initialize all pixels to 'off'
  22   }
  23
  24   void loop() {
  25     // Some example procedures showing how to display to the pixels
  26     colorWipe(strip.Color(255, 0, 0), 50); // Red
  27     colorWipe(strip.Color(0, 255, 0), 50); // Green
```

**Please pay attention about the LED numbers, if it is 24LED, you need change 60 to 24**

```
//    NEO_RGB     Pixels are wired for RGB bitstream (v1 FLORA pix
Adafruit_NeoPixel strip = Adafruit_NeoPixel(60, PIN, NEO_GRB + NE
```

**www.diymalls.com**

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## Documents / Resources

| | |
|---|---|
|  | **Diymalls WS2812 Tutorial LED Ring** [pdf] User Manual<br>WS2812 Tutorial LED Ring, Tutorial LED Ring, LED Ring |

## References

- 🛒 [Your Store, DIYmall, Electronics Components supplier, provide ESP8266 ESP32 WiFi BLE Module, GPS GSM GPRS Module, Arduino-compatible products, Raspberry Pi, Micro:bit, OLED LCD TFT Nextion display, Smart car chassis kit, Tools, RC models and Toy parts etc.](#)
- 🐙 [GitHub - adafruit/Adafruit_NeoPixel: Arduino library for controlling single-wire LED pixels (NeoPixel, WS2812, etc.)](#)

- 🛒 [Your Store, DIYmall, Electronics Components supplier, provide ESP8266 ESP32 WiFi BLE Module, GPS GSM GPRS Module, Arduino-compatible products, Raspberry Pi, Micro:bit, OLED LCD TFT Nextion display, Smart car chassis kit, Tools, RC models and Toy parts etc.](#)
- 🐙 [GitHub - adafruit/Adafruit_NeoPixel: Arduino library for controlling single-wire LED pixels (NeoPixel, WS2812, etc.)](#)