

SP105E Digital Bluetooth Controller

App: Magic LED 

[1] Contents

SP105E digital Bluetooth controller
Small flat head screwdriver



SKU:CTR700

The SP108E can control up to 2048 pixels. This can be done by running the **DAT** wire in series from the end of the first strip to the beginning of the last flex strip.

Wiring

2.1. To get started, unravel the LED strip from the roll. Connect the wires to the terminals in the controller and tighten the screws to secure the connection. **(Figure 1.)**

Please be aware of the arrows on the flex strip. The direction indicates the flow of current. Make sure that you are connecting from the back end of the arrow. Reversing this will result in the strip not to illuminate.



Figure 1.
Black wire to **GND**
Green wire to **DAT**
Red wire to **VCC**
Blue wire does not get connected

2.2. You can now connect the driver into the controller as shown in **Figure 2.:**



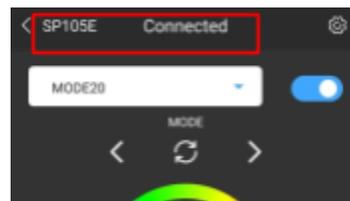
Figure 2.
Plug in the barrel connector OR wires from the driver to the controller.
Negative to GND
Positive to VCC

2.3. To confirm that all of your connections are successful, supplying 110V AC power to the driver should result in the flex strip lighting up. If your lights are illuminated, please proceed.

[3] App Download and Setup

3.1. Download **Magic-LED**  from your device's app store (Google Play or App Store). Please ensure that your device's Bluetooth is turned on for Step 3.2.

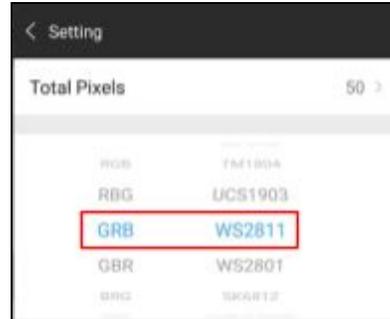
3.2. Launch the app. The app will instantly display all available bluetooth devices. Select **SP105E**. When the connection is successful, the top of the next page should indicate that the controller is **Connected**.



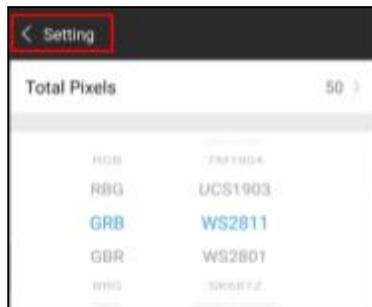
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3.3. Click **Settings**  and adjust it to **RGB** and **WS2811**. Here, you can also set the **total pixels** (diodes) of your strip. Note that the full roll has a total of 300 pixels.



3.4. Return to the previous page using the back button (shown below) and enjoy your new LED digital flex strips!



If you have any questions, please feel free to contact us:

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