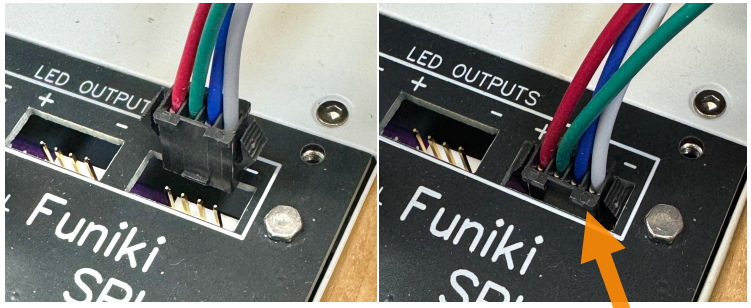
Funiki SPLASH Quick Start Guide

Thank you for your purchase!! We really appreciate your support!!

Here are some things you'll need to get started:

- Funiki SPLASH module mounted in a Eurorack case
- LED strip with at least 256 LEDs (use 12 volt versions only)
- DC power supply for LEDs (+12VDC, center positive)
- Analog source to monitor; 3.5mm plug (mono, only tip/sleeve are used)



Setup

A. Make sure the Eurorack is powered OFF. Connect up the LED strip to one of the LED outputs on the module. The connector should only go in one way. The connector bump/hook must face down towards the rest of the module. The connector should snap in place securely.

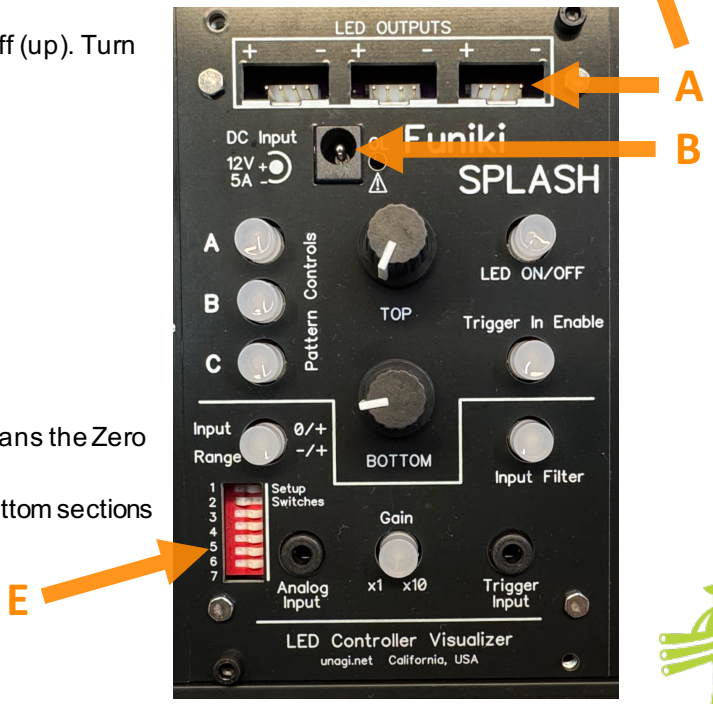
B. Plug in the LED 12 volt power supply into the DC Input jack.

C. Leave the Analog Input and Trigger Input unconnected.

D. Turn on the Eurorack power and make sure all the front panel switches are off (up). Turn on the 12 volt LED power supply.

E. Congure the Setup Switches as follows

- 1 - OFF (left)
- 2 - ON (right)
- 3,4,5,6,7 - OFF (left)



Testing

a) Turn on the LED power using the LED ON/OFF button.

b) Turn on Switch C (IN), which allows manual control of patterns.

c) Push the Input Range switch IN, which chooses a -/+ voltage range. This means the Zero value is at mid-scale of the LED display.

d) Turn the Top and Bottom knobs to select different patterns for the top and bottom sections of the LED display. The LEDs should change between the set patterns.

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Using the module

• Feed in an analog voltage into the Analog Input. The indicator on the LED display should move depending on the input voltage. The range for the full scale on the display is +/- 10 volts. If you have a low analog voltage you can press the Gain button to increase the sensitivity x10 (+/- 1 volt). The Input filter button takes out any high frequency or noise in the input signal. (See DIP switch 6 below)

• Turn on switch C to enable manual pattern adjustments. Turn the pattern knobs to select different patterns for the LED display. This can be done while the analog input is varying. Use switches A and B to see the difference on the display when you lock or float the patterns on the display.

• If you wish the patterns to be randomly selected from an external trigger source, turn off switch C and turn on the Trigger In Enable swtich. You will need to feed in a +5v Control Voltage trigger signal into the Trigger Input jack. Every trigger event will cause the module to choose a new set of patterns.

• If you want the module to randomly choose patterns without an external trigger, you can turn off DIP 2 (left) and the module will select a random pattern based on the analog input activity, around every 12 times the input level passes the 2/3 maximum voltage level mark.

• There are Setup Switches that configure the module for different functions: (ON=switch to right)

- DIP 1- Sample & Hold; ON= the analog input value is latched at every external trigger event
- DIP 2- Pattern change source; ON= External trigger changes patterns; OFF= analog input activity changes pattern
- DIP 3- Random overrides switch A & B; ON= random value changes switch A & B internal state; OFF= panel switches A & B are used
- DIP 4- Enable Partial Patterns; ON= random patterns can pick partial patterns for display; OFF= patterns are fully displayed on the LEDs
- DIP 5- Dim Display; ON= the LED display runs at a minimum (low) intensity; OFF= LED display runs at full intensity
- DIP 6- Change Input Range; ON= 5 volt max; OFF= 10 volt max
- DIP 7- unused

• The LED display strips do take a lot of power and the module includes a resettable overload safety circuit. If the LEDs start to fade out or turn off, check the overload (OL) light. If there was an overload, turn the LED power off using the ON/OFF switch and wait around 15 seconds. Then you can reapply power. If the unit continuously overloads, then you may wish to remove one of the strips from the module to reduce the power required for the display strips.

Refer to the Funiki SPLASH User's Guide for more detailed information.

If you have questions, be sure to contact the Unagi tech support department: techinfo@unagi.net