

Includes

- 1x DMX_Base
- 1x M2 Hex Key
- 1x 3.96-4P terminal
- 1x XLR-3 terminal

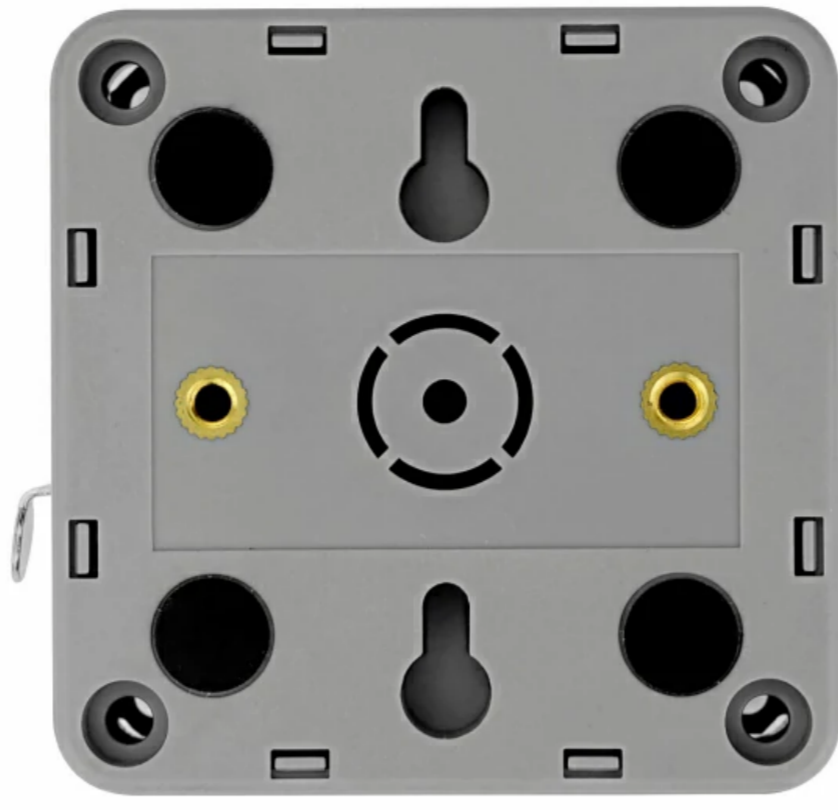
Applications

- Stage lighting control
- Sound device control
- Landscape lighting control
- Colored light control

Specification

Resources	Parameters
Voltage input	DC9-12V
DMX interface	XLR-5, XLR-3 male and female connectors
485 interface	HT3.96 interface
Power output	DC 5V/3.3V
Operating temperature range	0-40°C
DMX signals are supported	DMX512
Product Size	54*54*27mm
Package Size	147 * 90 * 40mm
Product Weight	48g
Package Weight	88.2g

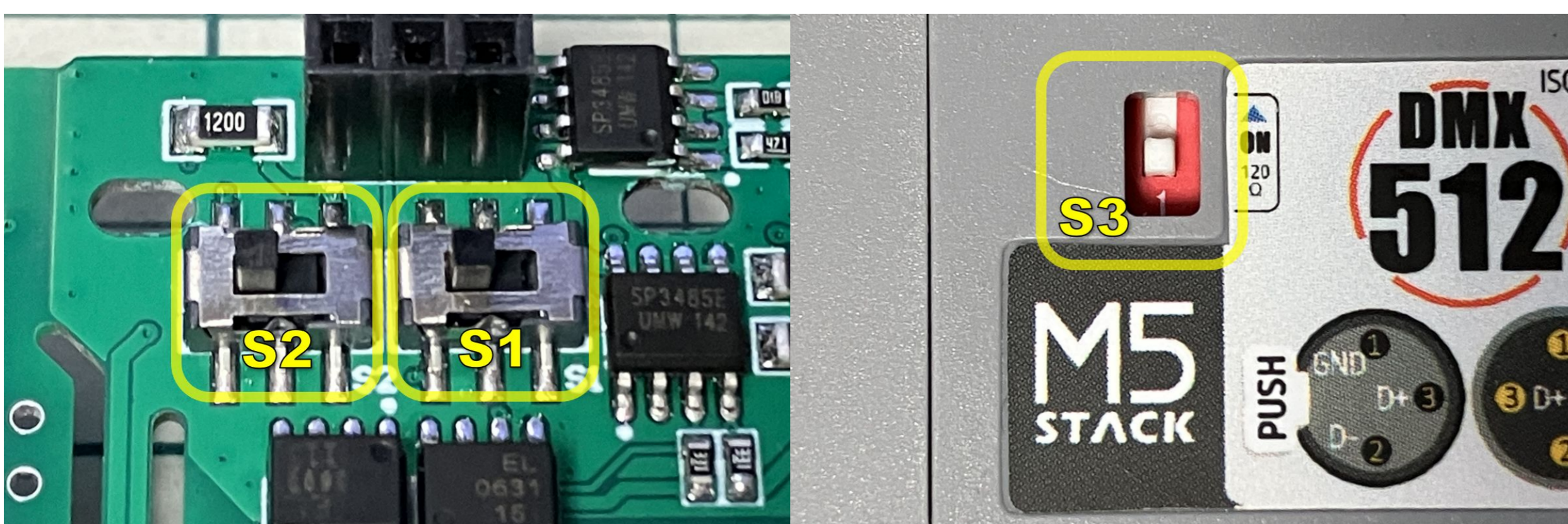
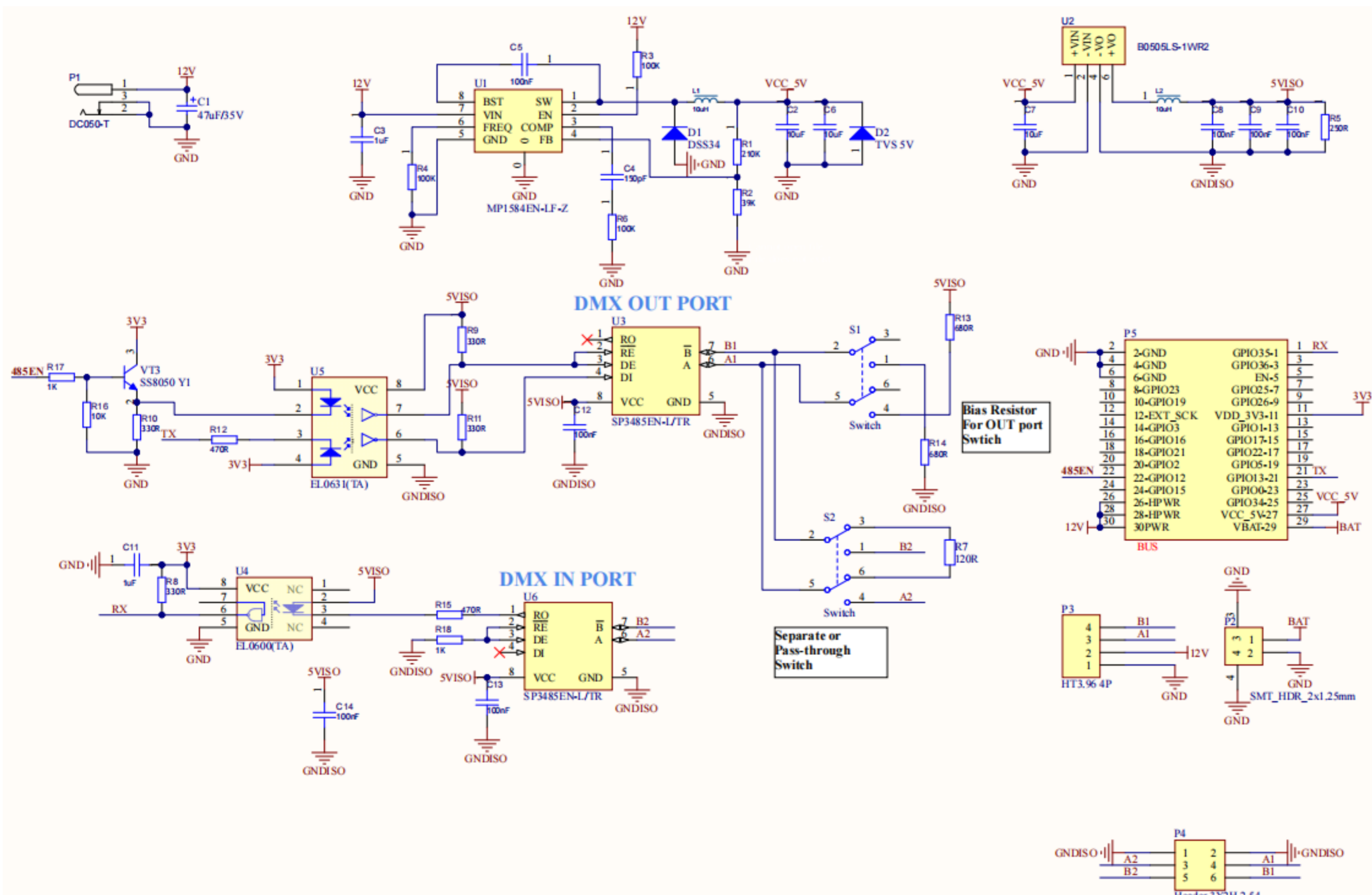




Related Link

- EL0660
- EL0631
- MP1584EN
- SP485EEN
- B0505LS-1WR2

Schematic



The role of the switch

S1: OUT port bias resistor

- switch that connects the bias resistor to the OUT port.
- opens when no device is connected to the IN side or when switch S2 is set to a separate configuration.
- the switch is connected to the bias resistor in the left position and the bias resistor is disconnected in the right position.

S2: Split or pass-through

- THIS SWITCH SELECTS WHETHER THE WIRING BETWEEN THE IN-OUT PORTS IS DIRECTLY CONNECTED OR SEPARATED.
- The left position of the switch is used for the Pass-through configuration and the right position is used for the Separate configuration.
- In a direct connect (pass-through) configuration, the signal input from the IN port is output directly from the OUT port.
- In a direct-connect (passthrough) configuration, if you output a signal from the DMX module while entering a signal from the IN port, the device on the OUT port side may fail.
- In the Separate configuration, the IN port and the OUT port are independent DMX signals, so it is necessary to use M5Stack to relay the signal.
- In a separate configuration, return signals from devices that support the RDM standard cannot be relayed from the OUT port side to the IN port side.
- If you are using a device that supports the RDM standard, select the Direct Connect (Passthrough) configuration.

S3: The termination resistance of the IN port

- switch that connects the termination resistor to the IN port.
- termination resistors are connected when the switch is in the up position and not when in the down position.
- On when no devices are connected to the OUT side, or when switch S2 is set to be configured separately.

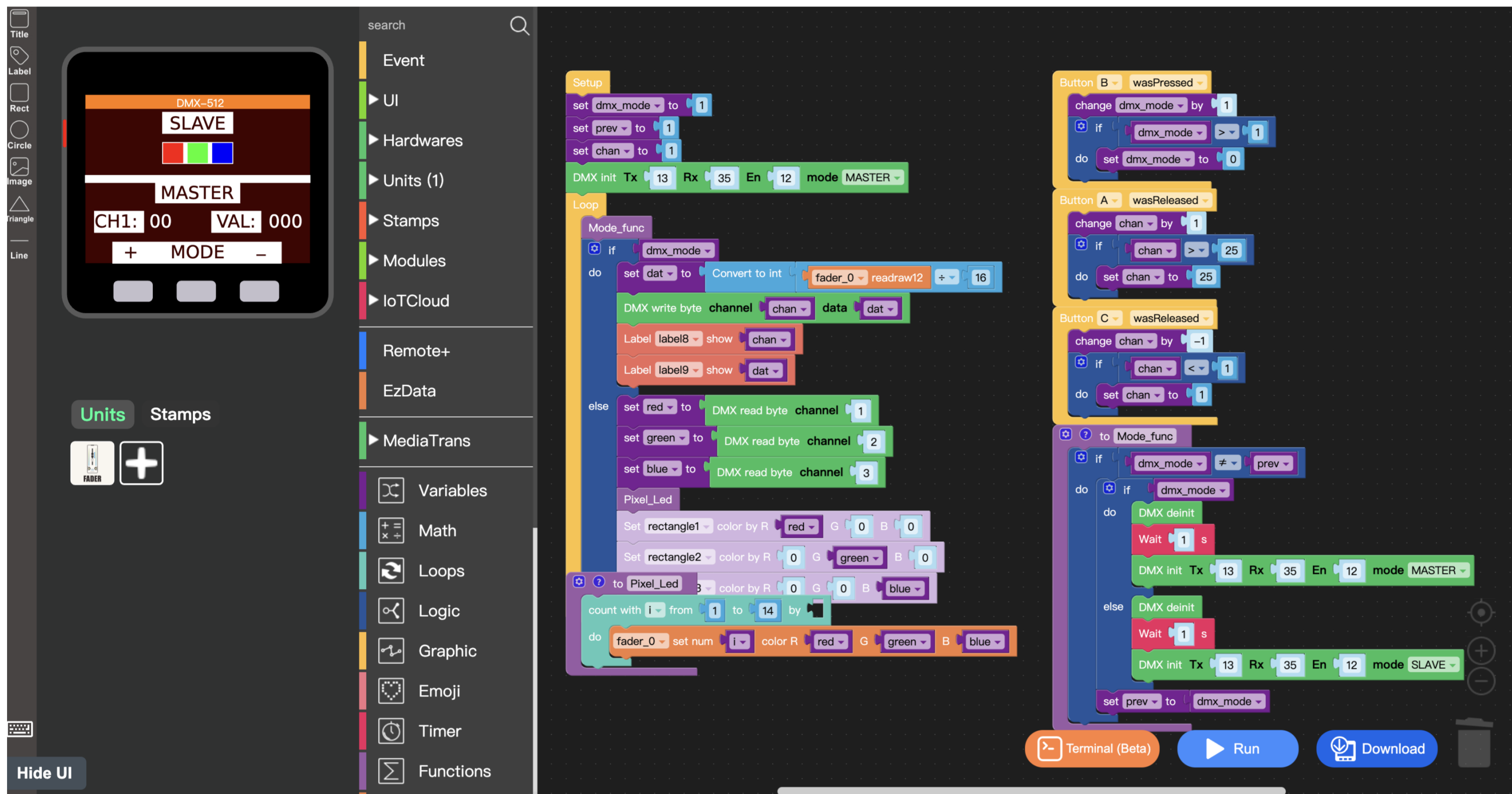
Examples

Arduino

- [Arduino Library](#)

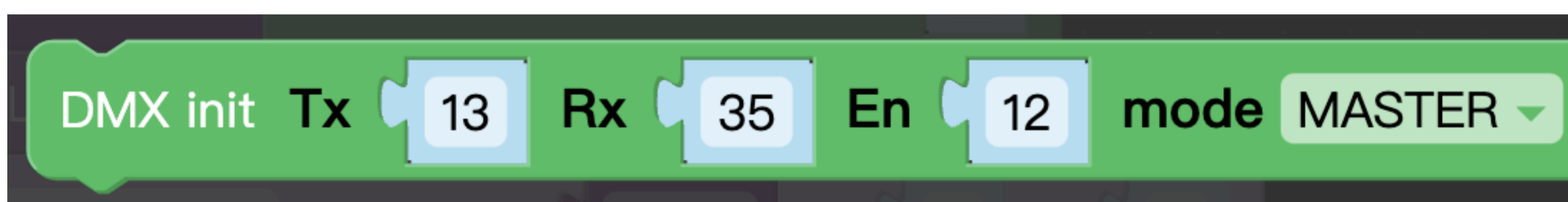
UIFlow

- [DMX-Base UIFlow Example](#)



UIFlow Blocks

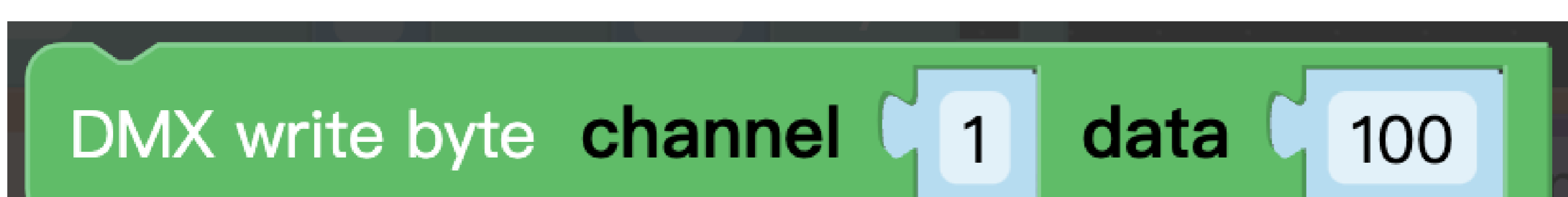
- DMX Init



- DMX deinit



- DMX write byte



- DMX clear data buffer

DMX clear data buffer

- DMX read byte

DMX read byte **channel**

1