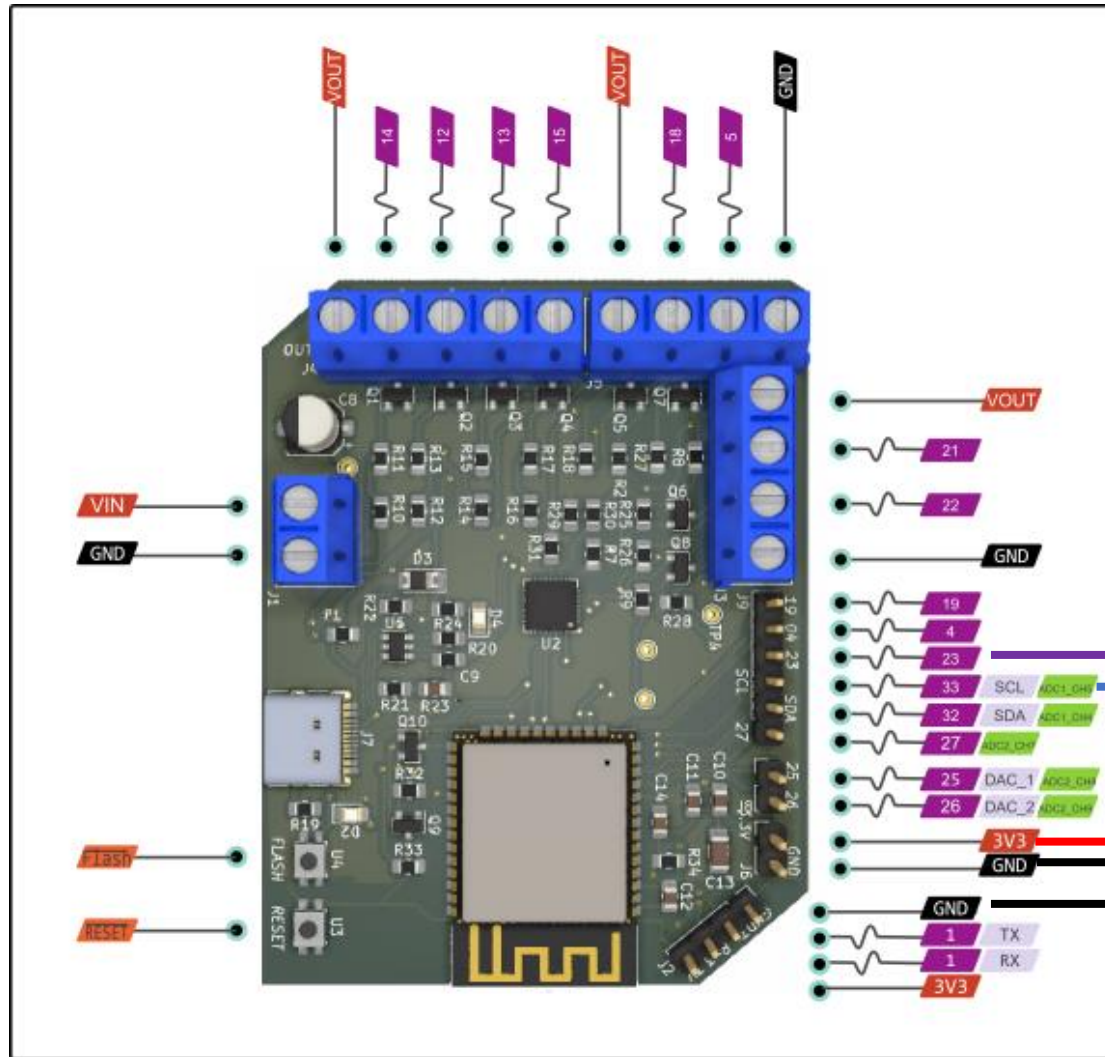
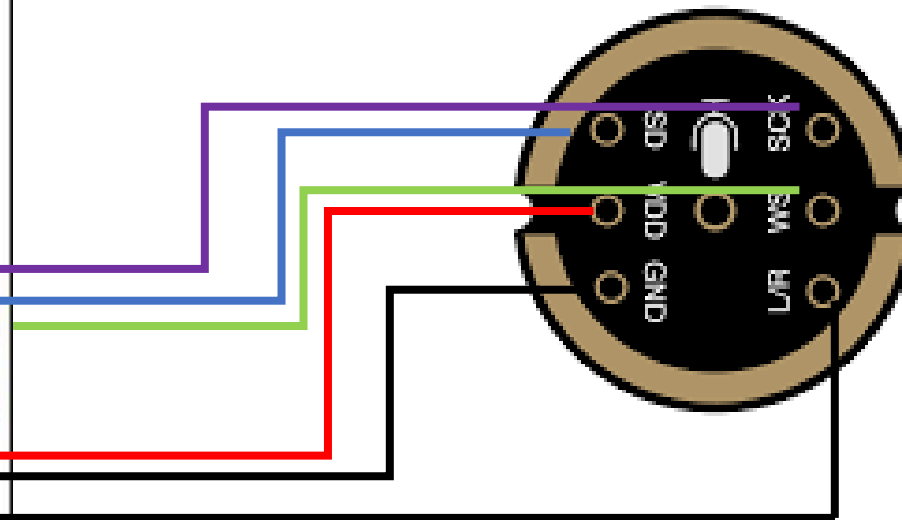


Laterna digital microphone with WLED Soundreactive

Wiring diagram



INMP411 SD	Laterna SDA GPIO32
INMP411 WS	Laterna SCL GPIO33
INMP411 SCK	Laterna GPIO23
INMP411 VDD	Laterna 3.3V
INMP411 GND	Laterna GND
INMP411 L/R	Laterna GND





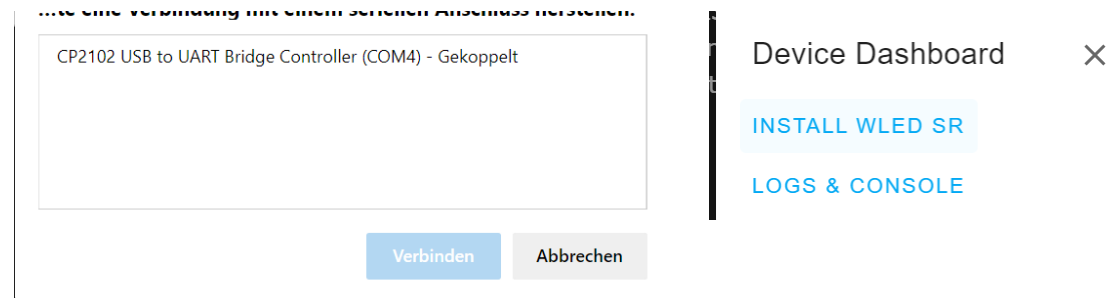
Laterna digital microphone with WLED Soundreactive Flashing

Flash with the [WLED Web Flasher](#)

- Put Laterna into flashing mode:
Press and hold flash button while connecting it to your Computer
- Choose the soundreactive version and press flash



- You Browser will ask you to choose the com port.
Click Connect and choose „Install WLED SR“. Flashing will start. Just wait for the sucess message.





Laterna digital microphone with WLED Soundreactive

Microphone setup in WLED

After flashing connect to the WLED Wifi Access Point and connect it to your wifi

See section “How To Configure WLED” [in this tutorial](#)

In the Sound Input settings choose Generic I2S as Microphone type and set the pins according to the screenshot below

The screenshot shows the WLED web interface. At the top, there are buttons for "?", "Back", and "Save". Below this is the "Sound Input Settings" section, which includes sliders for "Squelch: 10", "Gain: 1", and a checkbox for "AGC". Below that is the "Sound Input Pin Manager" section. It features a dropdown menu for "Microphone type:" set to "Generic I2S". Underneath are three input fields: "I2S SD pin:" with the value "31", "I2S WS pin:" with the value "33", and "I2S SCK pin:" with the value "23". At the bottom of this section are "Back" and "Save" buttons.

INMP411 SD	Laterna SDA GPIO32
INMP411 WS	Laterna SCL GPIO33
INMP411 SCK	Laterna GPIO23
INMP411 VDD	Laterna 3.3V
INMP411 GND	Laterna GND
INMP411 L/R	Laterna GND