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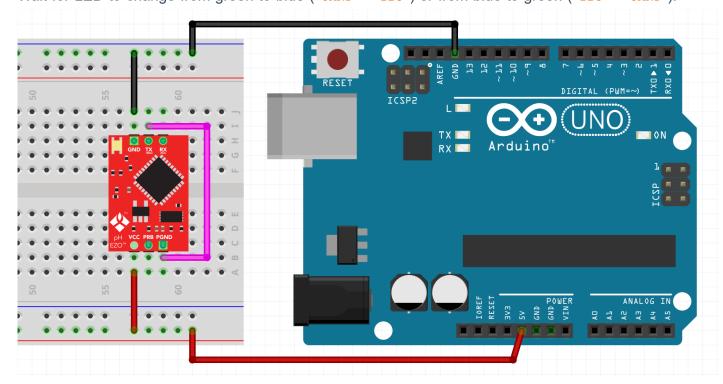
## **Set Protocol Manually**

This procedure toggles the protocol between UART and I2C. If the EZO Circuit is in UART mode, this procedure will switch it to I2C. If it is in I2C mode, it will switch it to UART.

Before starting the procedure, remove the EZO Circuit from the Tentacle (or other carrier boards). Remove power and all connections.

This procedure is easiest using a breadboard and a set of jumper wires

- 1. Connect (shortcut) these two pins:
- PGND pin to the TX pin if your circuit is EZO pH , EZO DO , EZO ORP OR EZO EC
- Only exception is EZO RTD: Short the PRB pin to the TX pin instead.
- 1. Power the EZO Circuit (GND, +5V)
- Wait for LED to change from green to blue ( UART -> I2C ) or from blue to green ( I2C -> UART ).



(The Arduino is used as a power source only. You can connect any other power source (3.3V-5V))

1. **Remove** the jumper wire from the PGND (or PRB respectively) pin to the TX pin

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2. Remove power (GND, 5V)

The device is now using the new protocol (repeat above steps to toggle back to the other protocol)