

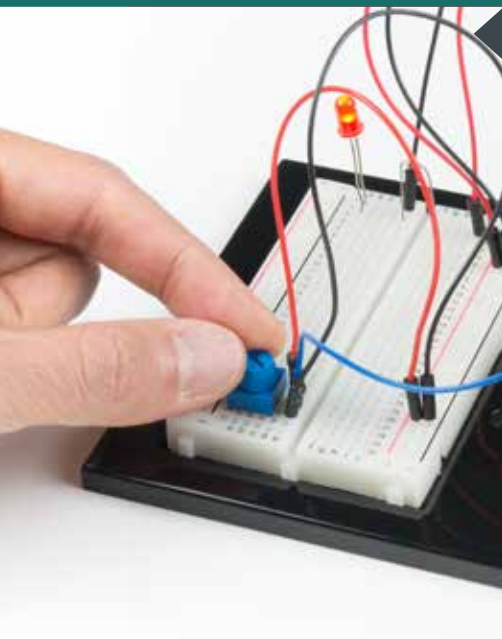
Open the Arduino IDE

Connect the RedBoard to a USB port on your computer.

Open the Sketch:

File > Examples > SIK-Guide-Code-master > **CIRCUIT_1B-POTENTIOMETER**

Select **UPLOAD** to program the sketch on the RedBoard.



WHAT YOU SHOULD SEE

You should see the LED blink faster or slower in accordance with your potentiometer. The delay between each flash will change based on the position of the knob. If it isn't working, make sure you have assembled the circuit correctly and verified and uploaded the code to your board. If that doesn't work, see the Troubleshooting section.

PROGRAM OVERVIEW

- | | |
|---|---|
| 1 | Read the position of the potentiometer (from 0 to 1023) and store it in the variable potPosition . |
| 2 | Turn the LED on. |
| 3 | Wait from 0 to 1023 milliseconds, based on the position of the knob and the value of potPosition . |
| 4 | Turn the LED off. |
| 5 | Wait from 0 to 1023 milliseconds, based on the position of the knob and the value of potPosition . |
| 6 | Repeat. |