

## Digital Input Pullup



### Description

This example uses a momentary push button and the serial monitor to view the value of the push button. We will be using the code provided under examples on the Arduino IDE.

### Hardware

- Intel® Galileo
- 10k ohm Resistor
- Wires
- Breadboard
- Momentary push button

### Instructions *(see Circuit for details)*

1. Place the momentary push button in the middle of the breadboard with the divider underneath.
2. Connect a wire from the 5V pin-out on the Galileo to power strip on the breadboard.
3. Connect a wire from the GND pin-out on the Galileo to Ground strip on the Breadboard.
4. Connect the left-bottom side of the momentary push button to positive strip on the breadboard.
5. Connect the right-bottom side of the momentary push button to one side of the resistor.
6. Connect a wire from the ground strip on breadboard to the other side of the resistor.
7. Connect a wire from the top-right side of the momentary push button to pin-out2 on the Galileo.
8. Connect Power supply to the Galileo and USB to USB Client Port on the Galileo.
9. Open Arduino IDE under Tools → Board select Intel® Galileo
10. Under Tools → Serial Port select the Com # where the Galileo is connected to.
11. Under File → Examples → 02. Digital and select the “DigitalInputpullup” example.
12. Upload to Galileo by clicking the upload button. 
13. Monitor the value of the potentiometer in the Serial Monitor. 

### Circuit

