

Push Button

Description

This example uses a momentary push button to turn on the LED. We will be using the code provided under examples on the Arduino IDE.

Hardware

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

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. Place the LED on the breadboard. (*notice the longer leg of the LED is positive and the shorter leg is negative*)
5. Connect the positive side of LED to pin-out 13 on the Galileo.
6. Connect the negative side of LED to ground strip on the breadboard.
7. Connect the left-bottom side of the momentary push button to positive strip on the breadboard.
8. Connect the right-bottom side of the momentary push button to one side of the resistor.
9. Connect a wire from the ground strip on breadboard to the other side of the resistor.
10. Connect a wire from the top-right side of the momentary push button to pin-out 2 on the Galileo.
11. Connect Power supply to the Galileo and USB to USB Client Port on the Galileo.
12. Open Arduino IDE under Tools → Board select Intel® Galileo
13. Under Tools → Serial Port select the Com # where the Galileo is connected to.
14. Under File → Examples → 02. Digital and select the “Button” example.

15. Upload to Galileo by clicking the upload button.



Circuit



