

Digital Read Serial

Description

This tutorial will use a momentary push button and the Serial Monitor to view the value of the push button. We will be using the code provided under the examples on the Arduino* IDE 1.5.3.

Hardware

- Intel® Galileo
- Breadboard
- Momentary push button
- Wires
- 10K ohms resistor

Instructions

1. Place the momentary push button on the middle of the breadboard with the breadboard divider underneath.
2. Connect a wire from the 5V pin-out on the Galileo to the bottom-left pin on the push button.
3. Connect a wire from the GND pin-out on the Galileo to the 10K ohms resistor.
4. Connect the resistor to the bottom-right pin on the push button.
5. Connect a wire from the top-right pin on the push button to pin-out 2 on the Galileo.
6. Connect power supply to the Galileo and USB to USB Client Port on the Galileo.
7. Open Arduino IDE under Tools → Board select Intel® Galileo
8. Under Tools → Serial Port select the Com # where the Galileo is connected to.
9. Under File → Examples → 01.Basics and select the “DigitalReadSerial” example.
10. Upload to the Galileo by clicking the upload button. 
11. Monitor the value of the potentiometer in the Serial Monitor. 

Circuit

