

## Physical Pixel



### Description

This example used the serial monitor to send a value to the Galileo board. The options to be sent are “H” or “L.” Sending the value “L” causes the LED to turn off and “H” to turn on. We will be using the code provided under the examples on the Arduino\* IDE 1.5.3.

### Hardware

- Intel® Galileo
- Breadboard
- Wires
- 1 LED

### Instructions

1. Connect the positive side of the LED to pin-out 13 on the Galileo board.
2. Connect the negative side of the LED to GND pin-out on the Galileo.
3. Connect power supply to the Galileo and USB to USB Client Port on the Galileo.
4. Open Arduino IDE under Tools → Board select Intel® Galileo
5. Under Tools → Serial Port select the Com # where the Galileo is connected to.
6. Under File → Examples → 04.Communication and select the “PhysicalPixel” example.
7. Upload to the Galileo by clicking the upload button. 
8. Monitor the value of the potentiometer in the Serial Monitor. 
9. In the serial monitor send “H” or “L” and observe the LED state.

### Circuit

