Read Analog Voltage

Description

This example uses a potentiometer as an input output device and will read the voltage. Using the serial monitor to view the value as the potentiometer is being adjusted. We will be using the code provided under the examples on the Arduino* IDE 1.5.3.

Hardware

- Intel® Galileo
- Breadboard
- Potentiometer
- Wires

Instructions

1. Place the potentiometer on the breadboard. *(see circuit below)*
2. Connect pin 1 on the potentiometer to GND on the Galileo board. *(see circuit below)*
3. Connect pin 2 on the potentiometer to A0 on the Galileo board. *(see circuit below)*
4. Connect pin 3 on the potentiometer to 5V on the Galileo board. *(see circuit below)*
5. Connect power supply to the Galileo and USB to USB Client Port on the Galileo.
6. Open Arduino IDE under Tools → Board select Intel® Galileo
7. Under Tools → Serial Port select the Com # where the Galileo is connected to.
8. Under File → Examples → 01.Basics and select the "ReadAnalogVoltage" example.
9. Upload to the Galileo by clicking the upload button.
10. Monitor the value of the potentiometer in the Serial Monitor.

Circuit