KS0373 EASY plug Slide Potentiometer

Contents

EASY plug Slide Potentiometer

Introduction

The EASY plug slide potentiometer uses high-quality sliding appliances for stable and reliable performance. It is a dual analog output that outputs a 0-VCC analog voltage signal.
The module pins are extended into Registered jack, so you can easily connect it to EASY Plug control board using a RJ11 cable.
There are 6 pad interfaces on the module. So you can solder two 3pin headers with a pitch of 2.54mm on the module.
It can be used to connect with other MCUs. The signal terminal outputs two analog values. The sum of the two analog values is 1023.
This module should be used together with EASY plug control board.

Special Note:
The sensor/module is equipped with the RJ11 6P6C interface, compatible with our keyestudio EASY plug Control Board with RJ11 6P6C interface.
If you have the control board of other brands, it is also equipped with the RJ11 6P6C interface but has different internal line sequence, can't be used compatibly with our sensor/module.

Parameters

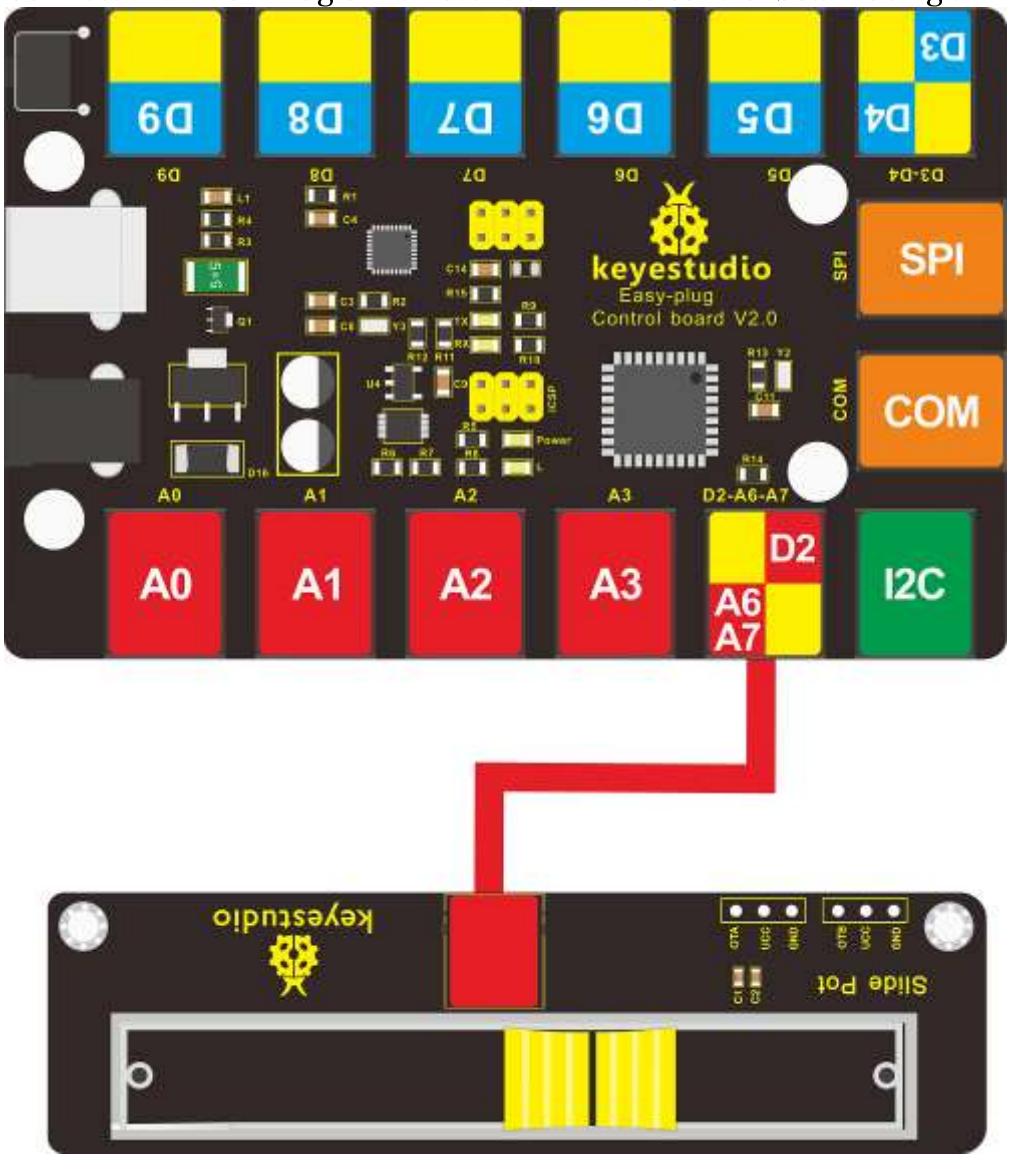
- Operating Voltage: DC 3.3V-5V
- Resistance: 5K
- Port: analog quantity
- Property: ROHS

Technical Details

- Dimensions: 28mm*76.7mm*31.3mm
- Weight: 17g

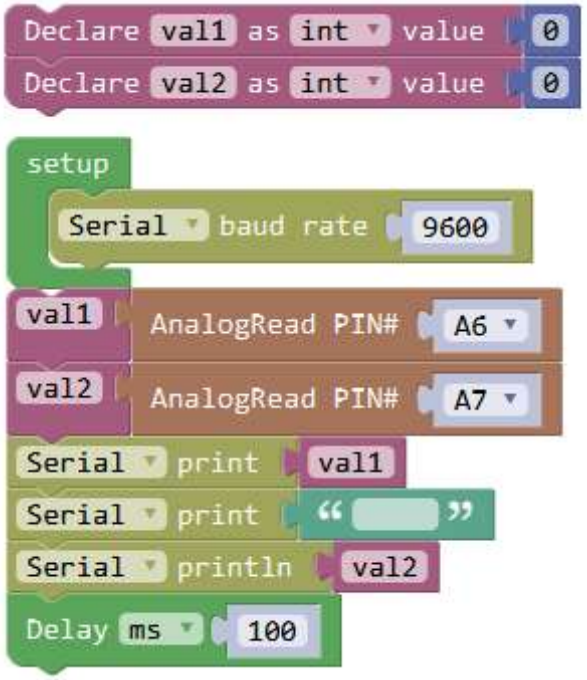
Connect It Up

Connect the EASY Plug Slide Potentiometer to control board using an RJ11 cable. Then connect the control board to your PC with a USB cable.

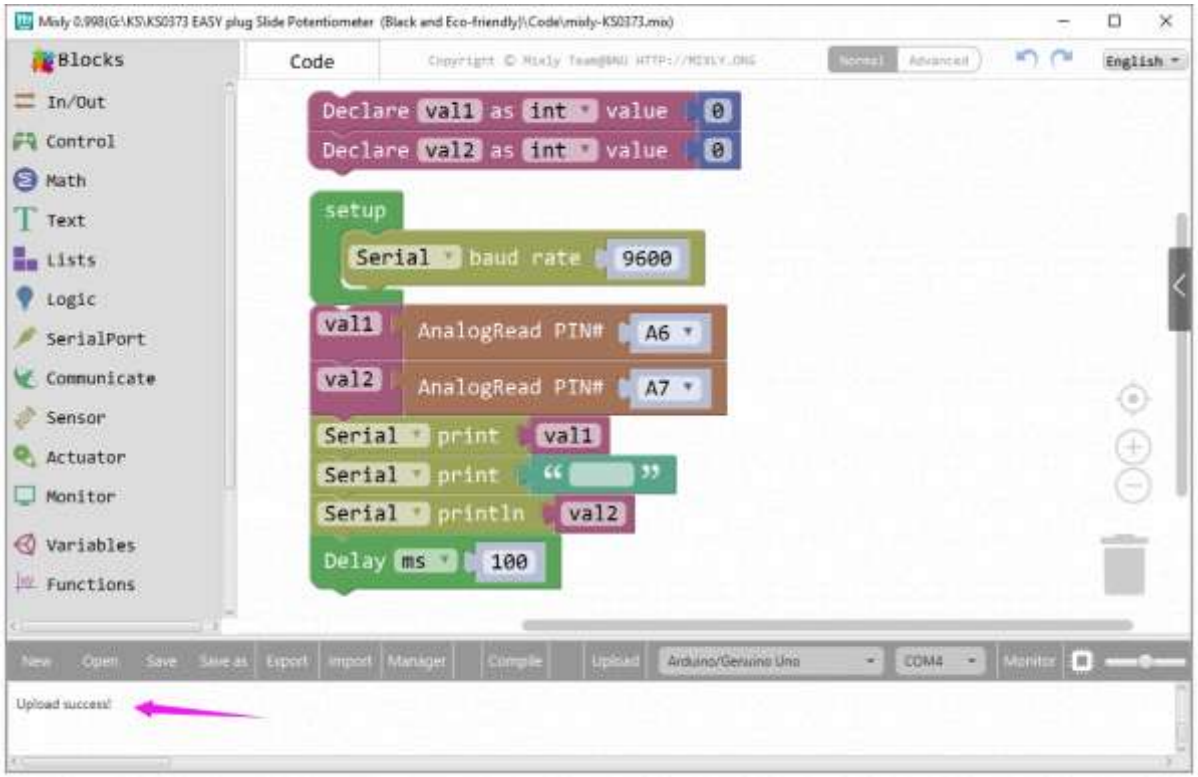


Upload the Code

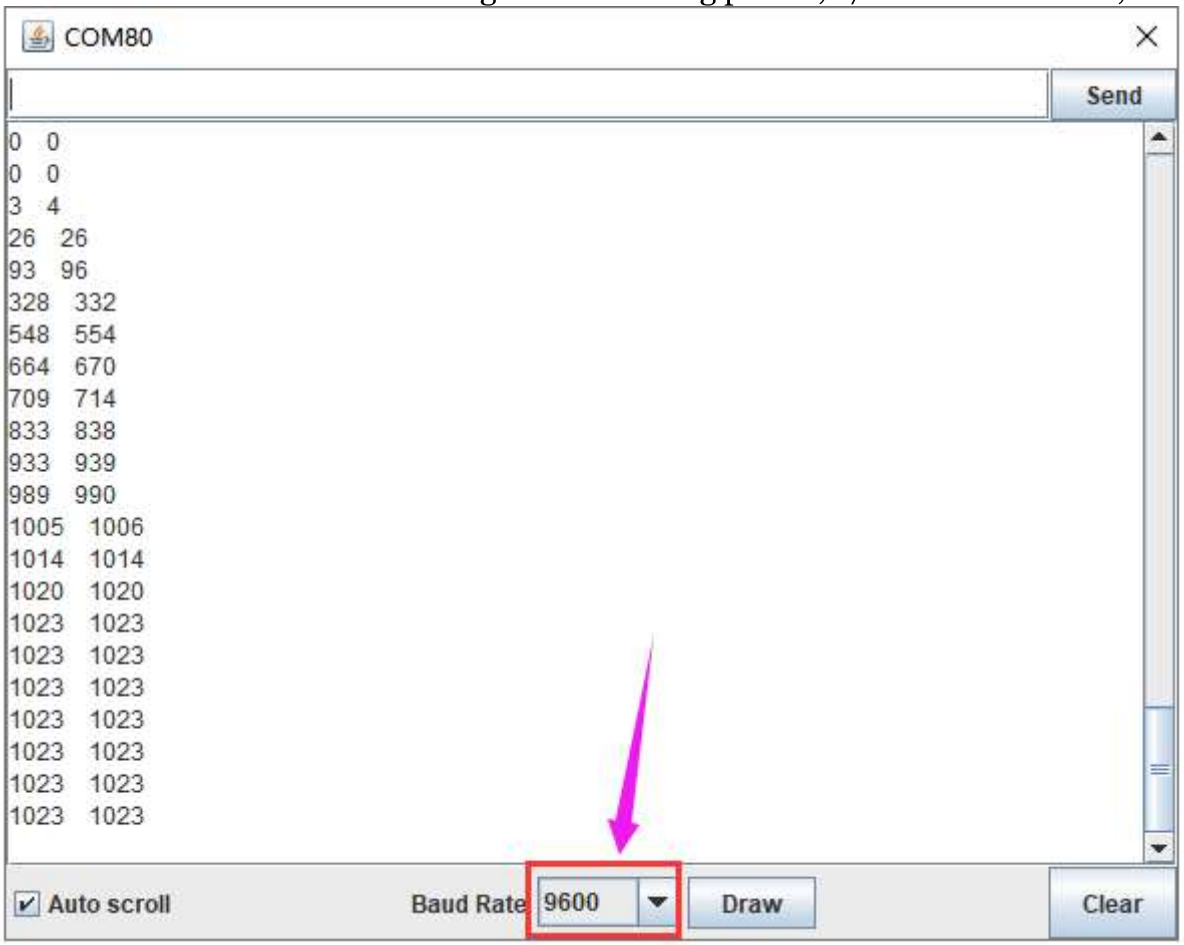
Below is an example code. Open or drag below code to Mixly Blocks (https://wiki.keyestudio.com/Getting_Started_with_Mixly) and upload.



What You Should See


Mixly 0.998(G:\KS\KS0373 EASY plug Slide Potentiometer (Black and Eco-friendly)\Code\mixly-KS0373.mix)
Blocks
Code
In/Out
Control
Math
Text
Lists
Logic
SerialPort
Communicate
Sensor
Actuator
Monitor
Variables
Functions
English
Declare val1 as int value 0
Declare val2 as int value 0
setup
Serial baud rate 9600
val1 AnalogRead PIN# A6
val2 AnalogRead PIN# A7
Serial print val1
Serial print
Serial println val2
Delay ms 100
New
Open
Save
Save as
Export
Import
Manager
Compile
Upload
Arduino/Genuino Uno
COM4
Monitor
Upload success!

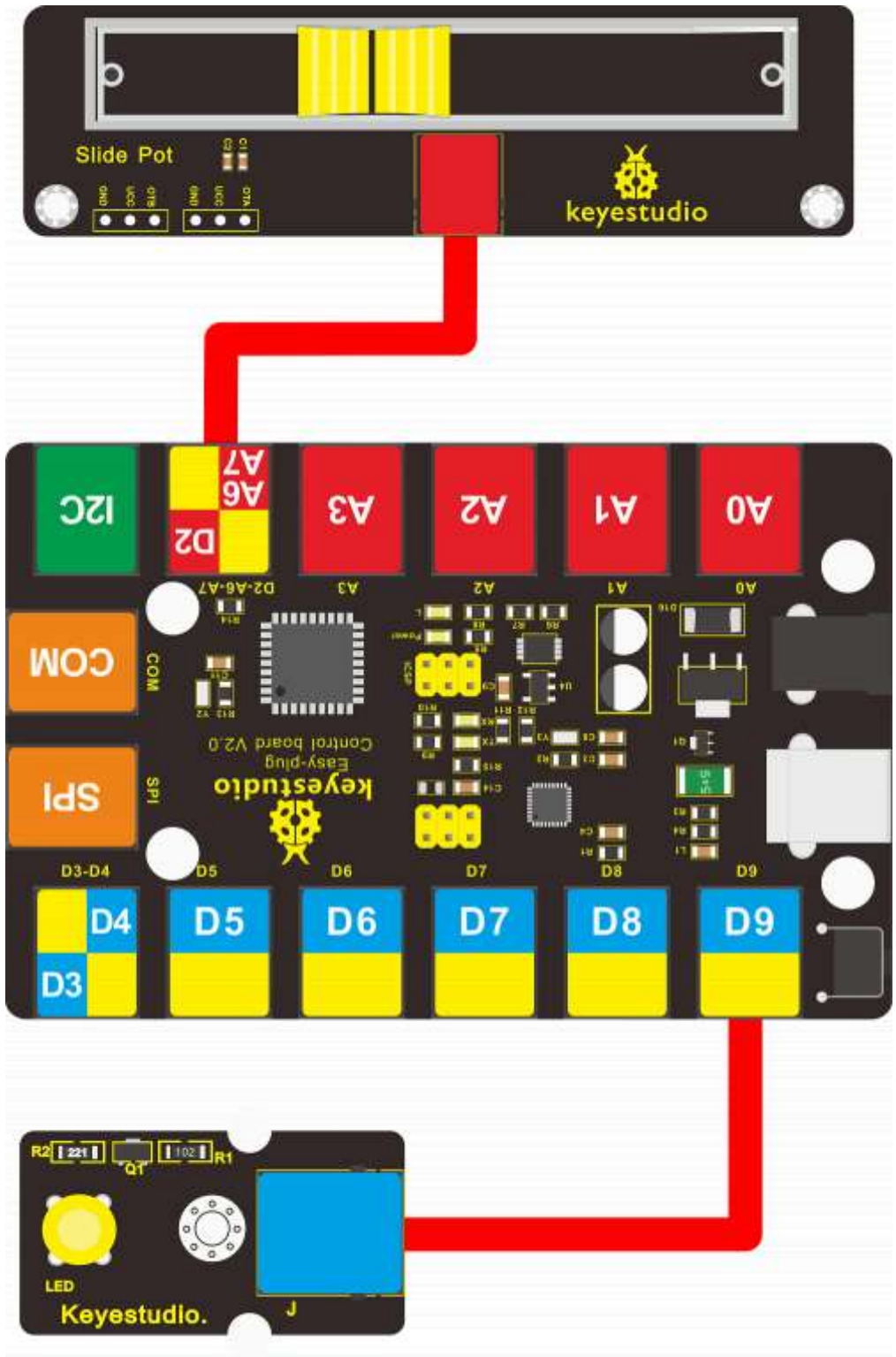
After uploading the code, open the serial monitor and set the baud rate to 9600;
you should be able to see the analog value of analog pin A6,A7. If slide the slider, the value will change.



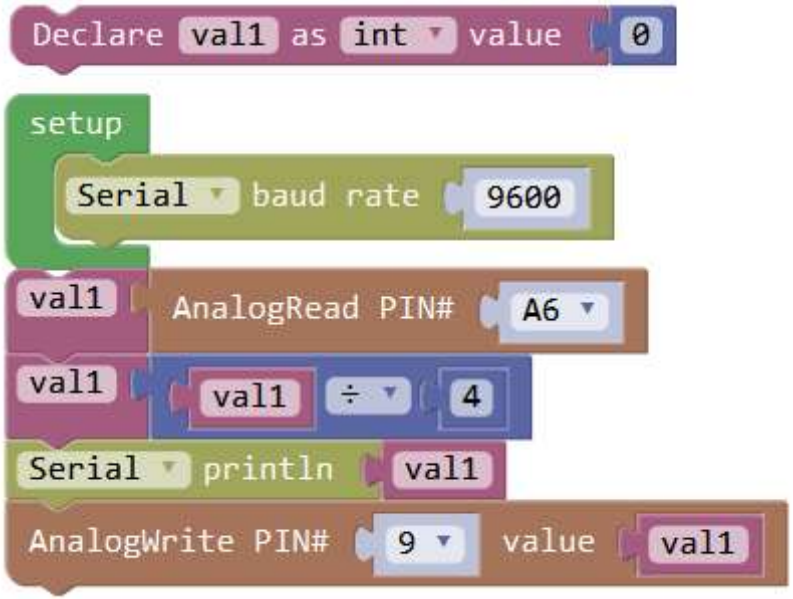
Controlling LED Brightness

Except from reading the analog value of slide potentiometer, you are able to use the slide potentiometer to control the brightness of LED.

Hookup Guide


Slide Pot
keyestudio
I2C
A6
A7
D2
A3
A2
A1
A0
COM
SPI
Easy-plug
Control board V2.0
keyestudio
D3-D4
D5
D6
D7
D8
D9
D4
D3
R2
221
Q1
102
R1
LED
Keyestudio.
J

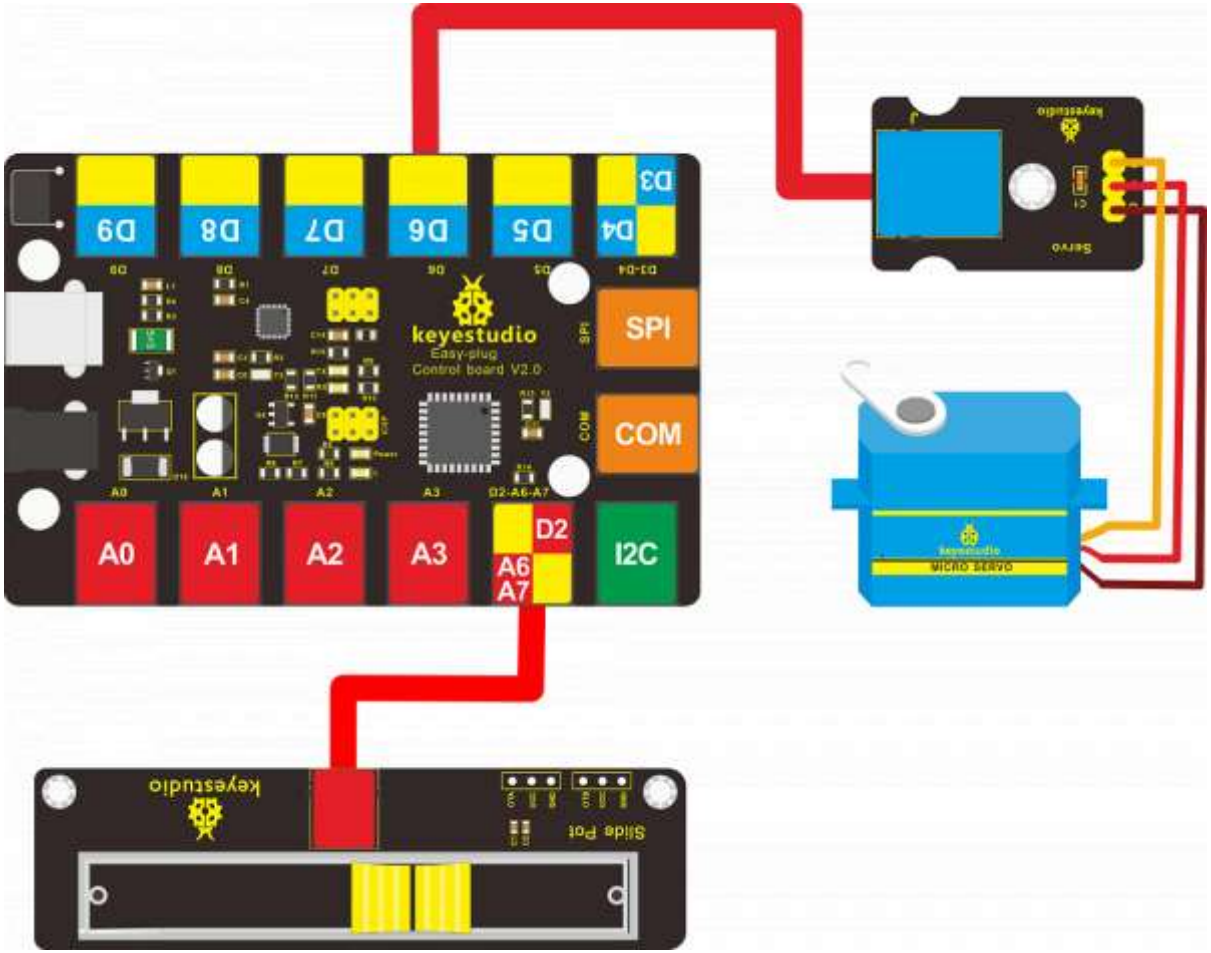
Test Code
Below is an example code. Open or drag below code to Mixly Blocks (https://wiki.keyestudio.com/Getting_Started_with_Mixly) and upload.



What You Should See
After uploading the code, slide the potentiometer, the brightness of LED will change.

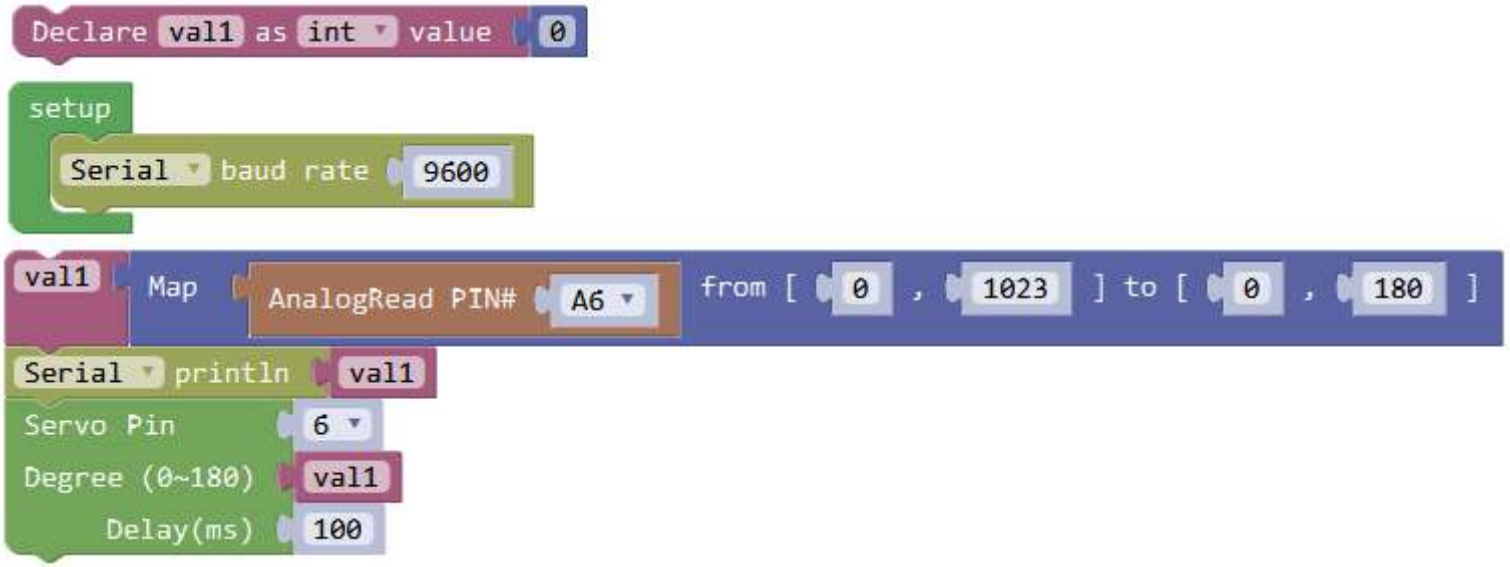
Controlling Servo Angle

Hookup Guide



Test Code

Below is an example code. Open or drag below code to Mixly Blocks (https://wiki.keyestudio.com/Getting_Started_with_Mixly) and upload.



What You Should See
After uploading the code, slide the potentiometer, the servo motor will rotate to a certain angle.

Resources

https://fs.keyestudio.com/KS0373

Buy from

- **Official Website** (https://www.keyestudio.com/keyestudio-easy-plug-slide-potentiometer-module-for-arduino-stem-p0500-p0500.html)
- Shop on aliexpress (https://www.aliexpress.com/store/product/Keyestudio-EASY-plug-Slide-Potentiometer-Module-For-Arduino-STEM/1452162_32957762988.html?spm=2114.12010612.8148356.6.65312f0csdiZoC)