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## Joystick Module For Arduino SKU:DFR0061

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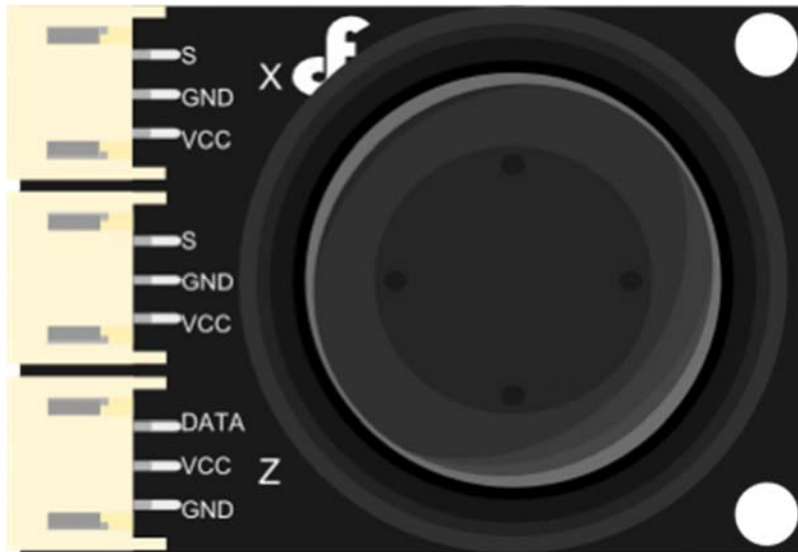
### Introduction

Lots of robot projects need joystick. This module provides a affordable solution to that. Simply connect to two analog inputs, the robot is at your commands with X,Y control. It also has a switch that is connected to a digital pin. This joystick module can be easily connect to Arduino by IO Expansion Shield For Arduino(V5) (SKU: DFR0088) with supplied cables.

### Specification

- Supply Voltage: 3.3V to 5V
- Interface: Analog x2,Digital x1
- PH2.0 Interface
- Size:35x39mm
- Weight:15g

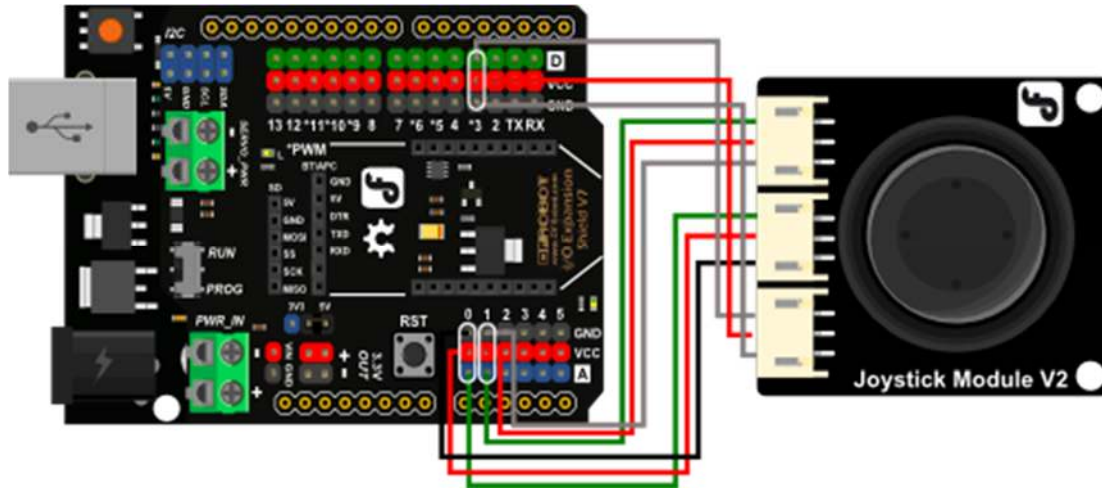
## PinOut



| Pin X            |         |         |
|------------------|---------|---------|
| S—Analog OUT     | GND—GND | VCC—VCC |
| Pin Y            |         |         |
| S—Analog OUT     | GND—GND | VCC—VCC |
| Pin Z            |         |         |
| DATA—Digital OUT | VCC—VCC | GND—VCC |

# Tutorial

## Connection Diagram



| 连线图说明   |         |         |
|---------|---------|---------|
| Pin X   |         |         |
| S—A1    | GND—GND | VCC—VCC |
| Pin Y   |         |         |
| S—A0    | GND—GND | VCC—VCC |
| Pin Z   |         |         |
| DATA—D3 | VCC—VCC | GND—VCC |

## Sample Code

### Library installation

```
// #
// # Editor      : Lauren from DFRobot
// # Date       : 17.01.2012

// # Product name: Joystick Module
// # Product SKU : DFR0061
```

```
// # Version      : 1.0

// # Description:
// # Modify the Sample code for the Joystick Module

// # Connection:
// #           X-Axis  -> Analog pin 0
// #           Y-Axis  -> Analog pin 1
// #           Z-Axis  -> Digital pin 3
// #

int JoyStick_X = 0; //x
int JoyStick_Y = 1; //y
int JoyStick_Z = 3; //key

void setup()
{
  pinMode(JoyStick_Z, INPUT);
  Serial.begin(9600); // 9600 bps
}

void loop()
{
  int x,y,z;
  x=analogRead(JoyStick_X);
  y=analogRead(JoyStick_Y);
  z=digitalRead(JoyStick_Z);
  Serial.print(x ,DEC);
  Serial.print(",");
  Serial.print(y ,DEC);
  Serial.print(",");
  Serial.println(z ,DEC);
  delay(100);
}
```



```
}
```

Trouble shooting

More question and cool idea,visit [DFRobot Forum](#)