



## Joystick Module For Arduino SKU:DFR0061

---



### Contents

- [1 Introduction](#)
- [2 Specification](#)
- [3 PinOut](#)
- [4 Tutorial](#)
  - [4.1 Connection Diagram](#)
  - [4.2 Sample Code](#)
- [5 Trouble shooting](#)
- [6 More](#)

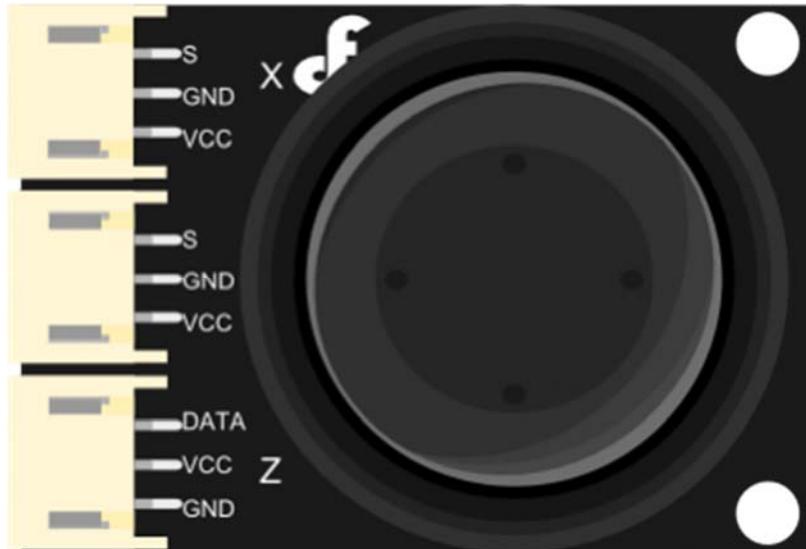
### Introduction

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

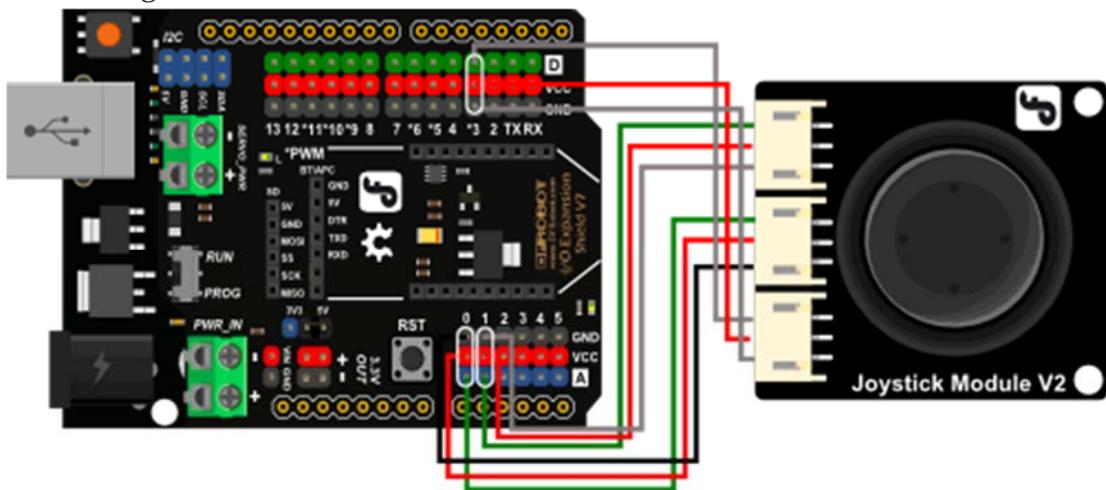
## PinOut



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

#### Libary 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](#)