

PS2 JOYSTICK SHIELD V2.0

Module: EB0007

Introduction

We will observe the remote sensing experiment data through the serial port. Connect X to port A0 of arduino and Y to port A1. The power and ground are connected to 5V and ground.

There are four buttons on the remote sensing expansion board. D3 corresponds to digital pin 3, D4 corresponds to digital pin 4, D5 corresponds to digital pin 5, and D6 corresponds to digital pin 6. The other small button is the reset button.

The PS2 joystick can generally be used to control a car, etc. Its structure is mainly two 10K potentiometers, and a key switch. The five ports are VCC, X, Button, Y, and GND.

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Specification:

Supply Voltage: +5 V
 Interface: 4x Digital and 2x Analog
 Size: 85*54*23mm
 Weight: 30.8g



Reference program :

Routine 1:

```
void setup() {
  Serial.begin(9600);
  // put your setup code here, to run once:
}
void loop() {
  int x=analogRead(0);
  int y=analogRead(1);
  Serial.print(x);
  Serial.print(",");
  Serial.println(y);
  delay(100);
  // put your main code here, to run repeatedly:
}
```

Routine 2:

```
int i,anjian;
void setup() {
  Serial.begin(9600);
  for(i=3;i<7;i++)
  {
    pinMode(i,INPUT);
    digitalWrite(i,HIGH);
  }
  // put your setup code here, to run once:
}
void loop() {
  int x=analogRead(0);
  int y=analogRead(1);
  Serial.print(x);
  Serial.print(",");
  Serial.println(y);
  for(i=3;i<7;i++)
  {
    anjian=digitalRead(i) ;
    if(anjian==LOW)
    {Serial.println(i);}
    delay(100);
  }
  delay(100);
  // put your main code here, to run repeatedly:
}
```