

Arduino PS2 joystick game controller module Joystick Module



Description:

PS2 joystick game controller module standard interface and electronic building blocks 2.54mm pin interface leads.

Board size: 3.2 * 3.5CM

Cross rocker as a two-way 10K resistor, with the rocker in a different direction, tap the resistance with the change. This module uses 5V power supply, the original state of X, Y read voltage of 2.5V or so, when pressed with the direction of the arrow, as read out voltage increases up to 5V; press the opposite direction of the arrow, read voltage reduce the minimum is 0V.

Arduino test case Demo

```
/*
*****
** Device: Joystick **
** File: EF_Joystick_Test.c **
** **
** Created by ElecFreaks Robi.W / 10 June 2011 **
** **
** Description: **
** This file is a sample code for your reference. **
** **
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*****
*/
```

```
int FirstShotX, FirstShotY;
```

```
void setup ()
{
  for (int i = 0; i < 19; i++)
  {
    pinMode (i, INPUT);
    digitalWrite (i, 1);
  }
}
```

```

Serial.begin (9600);
FirstShotX = 0;
FirstShotY = 0;

}

void loop () {

  int i, someInt, flag = 0;
  for (i = 4; i <11; i++)
  {
    someInt = digitalRead (i);
    if (someInt == 0)
    {
      flag = 1;
      break;
    }
  }
  if (flag == 1)
  {
    switch (i)
    {
      case 4: Serial.println ("-----> Button A "); break;
      case 5: Serial.println ("-----> Button B "); break;
      case 6: Serial.println ("-----> Button C "); break;
      case 7: Serial.println ("-----> Button D "); break;
      case 8: Serial.println ("-----> Button E "); break;
      case 9: Serial.println ("-----> Button F "); break;
      case 10: Serial.println ("-----> Button KEY "); break;
      default: break;
    }
    flag = 0;
  }

  int sensorValue = analogRead (A0);
  if (FirstShotX == 0)
  {
    FirstShotX = sensorValue;
    Serial.print ("FirstShotX =");
    Serial.println (FirstShotX);
  }

  Serial.print ("X =");
  Serial.println (sensorValue - FirstShotX);

  sensorValue = analogRead (A1);
  if (FirstShotY == 0)
  {
    FirstShotY = sensorValue;
    Serial.print ("FirstShotY =");
    Serial.println (FirstShotY);
  }
  Serial.print ("Y =");
  Serial.println (sensorValue - FirstShotY);

  delay (200);
}

```