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**RS232 Serial Port Adapter Module JY-R2T V1.3 USB Game Joystick**

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This is a MAX3232 breakout board, designed to allow the addition of a RS232 connection to your project. This module allows you to add a communication connection

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FEATURES

* **Drive Voltage:**  
  3 - 5V
* **Can be USB Powered:**  
  Yes
* **Characteristics:**  
  PWR, RX and TX LEDs
* **Communication Format:**  
  Serial
* **Communication Chipset:**  
  MAX3232
* **Baud Rate:**  
  150K
* **Pin pitch:**  
  2.54
* **Connectors:**  
  RS232
* **Operating Temperature:**  
  -40°C to 85°C (unconfirmed)
* **Number of Pieces:**  
  1
* **Included Items:**  
  1 4pin 20cm F-F Jumper wire

DESCRIPTION

This is a MAX3232 breakout board, designed to allow the addition of a RS232 connection to your project. This module allows you to add a communication connection to your project, from programming small microcontrollers to a personalised computer keyboard.

Please do not hesitate to contact us if you require further information regarding the module's operation.

|  |  |
| --- | --- |
| **Pin** | **Description** |
| VCC | 3-5V |
| GND | 0V |
| RXD | Receive |
| TXD | Transmit |
| CLK | Output clock |

#include <SoftwareSerial.h>  
  
//New serial port for my shield  
SoftwareSerial Mx3232Serial =  SoftwareSerial(7, 8);  
  
//variabile  
//char EchoChar = 'A';  
char Str1[ ] = "s";  
  
//String Str1 = " s";  
//String Str1 = String(' s',HEX);  
  
  
String Buffer; unsigned long T;  
  
void setup()  {  
//pin7(RX) Input  
pinMode(7, INPUT);  
//pin8(TX) Output  
pinMode(8, OUTPUT);  
  
Mx3232Serial.begin(9600);  
  
Serial.begin(9600);   
}  
  
void loop() {  
//leggo dalla seriale(pin7)  
//EchoChar = PortaSeriale.read();  
//invio il dato letto  
Mx3232Serial.print(Str1);  
  
//Serial.println(Mx3232Serial.read());  
  
Buffer = "";  
T = millis();  
  
 while (millis() - T < 10)  {         // read all the chars on the serial   
   while (Mx3232Serial.available() > 0) {  
     Buffer += char(Mx3232Serial.read());  
   }  
 }  
   
 if (Buffer.length() > 0) {           // transmit to Serial Monitor          
   Serial.print(Buffer);  
 }  
  
delay(1000);   
  
Serial.print(Str1);  
  
}

https://forum.arduino.cc/index.php?topic=137447.0