

Arduino to Raspberry Pi Data Transfer

The easiest way to send information to the Raspberry Pi is through the USB ports on the Arduino Uno and Raspberry Pi 3.

Output Data Serially from Arduino

Write to serial

```
void setup() {  
    Serial.begin(9600);  
}  
  
void loop() {  
    // logic  
    Serial.println("<data>")  
}
```

Read Serial Output from Arduino

Run Python 2 [not Python 3] on the Raspberry Pi from Programming menu.
Type:

```
import Serial  
  
ser = serial.Serial('/dev/ttyACM0', 9600)  
  
while 1 :  
    ser.readline()
```

Device Name

In order to find the device name, go to terminal with Arduino unplugged and run the command: `ls /dev/tty*`

Run this command again with arduino plugged in, and the name that appears is the Arduino device name. It is most likely `/dev/ttyACM0`.