


Arduino Forum(<https://forum.arduino.cc/index.php>) > Using Arduino\_(<https://forum.arduino.cc/index.php#c2>).  
> Interfacing w/ Software on the Computer(<https://forum.arduino.cc/index.php?board=12.0>).  
> please help try to receive data from arduino with visual C# communication\_(<https://forum.arduino.cc/index.php?topic=275961.0>).

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Topic: please help try to receive data from arduino with visual C# communication (Read 4551 times)  
[c/Index.Php?Topic=275961.0;Prev\\_next=Prev#New](https://forum.arduino.cc/index.php?topic=275961.0;Prev_next=Prev#New)) - [Next Topic \(Https://Forum.Arduino.Cc/Index.Php?Topic=275961.0;Prev\\_next=Next#New\)](https://forum.arduino.cc/index.php?topic=275961.0;Prev_next=Next#New)

vakebi  
Guest

 [please help try to receive data from arduino with visual C# communication \(https://forum.arduino.cc/index.php?topic=275961.msg1942597#msg1942597\)](https://forum.arduino.cc/index.php?topic=275961.msg1942597#msg1942597)  
Oct 31, 2014, 05:19 am (<https://forum.arduino.cc/index.php?topic=275961.msg1942597#msg1942597>)

Hi, i want to develop my project by create some interface gui from visual C# to monitor data that receive from Arduino (i used leonardo).

problem is i cannot read data from arduino by usb port but i can send data from visual c# to arduino and arduino response with data that i send.

then how i can read data from arduino.

my code is below.

Visual C#

Code: [Select]

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
```

Arduino Sketch

Code: [Select]

```
int getdata = 0;


void setup()
{
  pinMode(0, OUTPUT);
  pinMode(1, OUTPUT);
  Serial.begin(9600);
}
```

6extra%3Dcontextualmatch%3Dnolimitation%7Clivetax%3D0%7Ccookietax%3D0%7Ccb%3Ddbb376d3cf%7Ch\_value%3Dc1323883242a77101614286177%7Ch\_crc%3D2485905944%

[filk \(https://forum.arduino.cc/index.php?action=profile;u=289355\)](https://forum.arduino.cc/index.php?action=profile;u=289355)



(<https://forum.arduino.c>

 [Re: please help try to receive data from arduino with visual C# communication \(https://forum.arduino.cc/index.php?topic=275961.msg1942613#msg1942613\)](https://forum.arduino.cc/index.php?topic=275961.msg1942613#msg1942613)  
Oct 31, 2014, 05:42 am (<https://forum.arduino.cc/index.php?topic=275961.msg1942613#msg1942613>)

#1

use Serial.write writeln print, and println functions depending on the data your outputting on the arduino

to catch it with .net you will need to create a on serial recieved event to trigger your code to use serialobject.ReadLine() function to capture the sent data..

Full Member

Posts: 144

Karma: 5 [add]

(<https://forum.arduino.cc/index.php?action=karma;sa=applaud;uid=289355;a639f653d=2696779c8ccaa0e151f7dfb8be345f25>).

old git,

**vakebi**

Guest

**Re: please help try to receive data from arduino with visual C# communication** (<https://forum.arduino.cc/index.php?topic=275961.msg1942662#msg1942662>)

Oct 31, 2014, 07:10 am (<https://forum.arduino.cc/index.php?topic=275961.msg1942662#msg1942662>)

#2

Quote from: filk on Oct 31, 2014, 05:42 am (<https://forum.arduino.cc/index.php?msg=1942613>)

“ use Serial.write writeln print, and println functions depending on the data your outputting on the arduino

to catch it with .net you will need to create a on serial recieved event to trigger your code to use serialObject.ReadLine() function to capture the sent data..

how i can trigger ? sorry i'm newbie.

**filk**

(<https://forum.arduino.cc/index.php?action=profile;u=289355>)



(<https://forum.arduino.cc/index.php?action=profile;u=289355>)

Full Member

Posts: 144

Karma: 5 [add]

(<https://forum.arduino.cc/index.php?action=karma;sa=applaud;uid=289355;a639f653d=2696779c8ccaa0e151f7dfb8be345f25>).

old git,

**Re: please help try to receive data from arduino with visual C# communication** (<https://forum.arduino.cc/index.php?topic=275961.msg1942726#msg1942726>)

Oct 31, 2014, 09:09 am (<https://forum.arduino.cc/index.php?topic=275961.msg1942726#msg1942726>)

#3

Quote from: vakebi on Oct 31, 2014, 07:10 am (<https://forum.arduino.cc/index.php?msg=1942662>)

“ how i can trigger ? sorry i'm newbie.

been over a decade since i did any .net 😊 but google chucked this up [c# serial read](http://www.codeproject.com/Articles/75770/Basic-serial-port-listening-application) (<http://www.codeproject.com/Articles/75770/Basic-serial-port-listening-application>)

**Robin2**

(<https://forum.arduino.cc/index.php?action=profile;u=174714>)



(<https://forum.arduino.cc/index.php?action=profile;u=174714>)

Brattain Member

Posts: 70,515

Karma: 3638 [add]

(<https://forum.arduino.cc/index.php?action=karma;sa=applaud;uid=174714;a639f653=2>)

**Re: please help try to receive data from arduino with visual C# communication** (<https://forum.arduino.cc/index.php?topic=275961.msg1942820#msg1942820>)

Oct 31, 2014, 10:39 am (<https://forum.arduino.cc/index.php?topic=275961.msg1942820#msg1942820>)

#4

Your PC program must also take account of how the Arduino behaves.

When the PC opens the serial port the Arduino will reset and can't do anything for a few seconds. The PC program must wait for that to complete. A simple solution is to have the Arduino send a short message from setup() and then the PC program waits until it receives that.


Also, your PC program must open the serial port once and keep it open until it is finished using theArduino.

This [demo using Python](http://forum.arduino.cc/index.php?topic=225329.msg1810764#msg1810764) (<http://forum.arduino.cc/index.php?topic=225329.msg1810764#msg1810764>) illustrates what I am saying. It may be useful learning experience to write a C# program to work with my Arduino program - that way you can be certain one part is working properly.

...R


Two or three hours spent thinking and reading documentation solves most programming problems.

PaulS  
Guest


 **Re: please help try to receive data from arduino with visual C# communication** (<https://forum.arduino.cc/index.php?topic=275961.msg1942943#msg1942943>)  
Oct 31, 2014, 12:45 pm (<https://forum.arduino.cc/index.php?topic=275961.msg1942943#msg1942943>) #5

Another thing to consider is that the UI in your application runs in one thread. Serial data sending and receiving runs in another thread. The serial thread can't directly write to the UI elements in the UI thread.

Attached is a C# application that uses threads, proper communication between threads, and a delegate to handle incoming serial data, so that you can see how the C# application should be structured.

 **CommunicateWithArduino.zip** (<https://forum.arduino.cc/index.php?action=dlattach;topic=275961.0;attach=101199>)  
53.99 KB  
downloaded 509 times

vakebi  
Guest

 **Re: please help try to receive data from arduino with visual C# communication** (<https://forum.arduino.cc/index.php?topic=275961.msg1946158#msg1946158>)  
Nov 03, 2014, 04:14 am (<https://forum.arduino.cc/index.php?topic=275961.msg1946158#msg1946158>) #6

thank all.

i can communication between Arduino and Visual C#

thank for Pauls

Quote from: PaulS on Oct 31, 2014, 12:45 pm (<https://forum.arduino.cc/index.php?msg=1942943>)

“ Another thing to consider is that the UI in your application runs in one thread. Serial data sending and receiving runs in another thread. The serial thread can't directly write to the UI elements in the UI thread.

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for your code and i can do it !!!

and actually i try to cut your code step by step and it just add only

usbPort.DtrEnable = true; --> then can work !!!

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