

## Re: strange problem with serial communication

**Source:** <http://www.tech-archive.net/Archive/VC/microsoft.public.vc.mfc/2004-12/1749.html>

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**From:** Maverick (*Maverick\_at\_maverick.com*)

**Date:** 12/27/04

Date: Mon, 27 Dec 2004 11:17:08 +0800

Solved! Thanks! Though I don't quite understand the part of your post about thread, I'll try to learn more about it.

"Scott McPhillips [MVP]" <org-dot-mvps-at-scottmcp> ????

news:OKoo80c6EHA.3820@TK2MSFTNGP11.phx.gbl...

> *Maverick wrote:*

>

> > *Hi, all*

> >

> > *I met a big trouble. I am using MFC and multi-thread to write a serial port*

> > *communication program. Each time I send a string, I always get part of it.*

> > *For example , I send a string of 120 characters, what I receive is a string*

> > *which contains only top 8 or 16 or 24 or 32 characters. I cannot receive the*

> > *same string at all. I've tried different baud rate, including 19200,9600,*

> > *but all failed. Below is part of my code.*

>

> *Your code is written to stop reading whenever ReadFile gets a timeout,*

> *but you have set the timeout to zero. The code is also written to input*

> *only one byte for each ReadFile call. These are unreliable things to do.*

>

> *Pass a buffer to ReadFile that is large enough to receive the maximum*

> *expected number of characters. And set the timeout to be a generous*

> *amount of time that you are sure indicates all incoming characters have*

> *stopped.*

>

> *There are also unreliable features in your thread design. In MFC, the*

> *thread should be started with AfxBeginThread and it should not access*

> *the dialog controls. This can cause program lockup. It is also not*

> *clear how you expect the main thread to know when the reading is*

> *complete. No interthread signaling or synchronization is present in*

> *your code, so it may be that your main thread is accessing the buffer*

> *before the reading is complete.*

>

> --

microsoft.public.vc.mfc: Re: strange problem with serial communication

> *Scott McPhillips [VC++ MVP]*

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