
Subject: Re: Struggle with Serial port class
Posted by [jerson](#) on Fri, 06 Aug 2010 03:52:32 GMT
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Does anyone know why the Serial::Close() followed by Serial::Open command not work? It seems to hang the code and I have to kill the process to regain control. Is this a Windows quirk?

The problem occurs when I try to change com ports wherein I first close the existing open com port, set new parameters and Open the new com port. If I do not do this, the program always works reliably.

this is the relevant code that is causing me grief

```
void CommPak::SetupComms()
{
int Cnt;
int Port,Baud;

WithCommSetup<TopWindow> CommSetup;

// stop the timer before changing anything
if (ExistsTimeCallback(idRxTimer))
{
KillTimeCallback(idRxTimer);
PromptOK("Killed the timer");
}

// if the port is open, close it
if (CommPort.IsOpened()) CommPort.Close();

CtrlLayoutOKCancel(CommSetup, "Setup Comms");
for (Cnt=1;Cnt < 9;Cnt++)
CommSetup.dlPort.Add(Format("COM%d",Cnt));
CommSetup.dlBaud.Add("1200");
CommSetup.dlBaud.Add("2400");
CommSetup.dlBaud.Add("4800");
CommSetup.dlBaud.Add("9600");
CommSetup.dlBaud.Add("19200");

CommSetup.dlPort = "COM6"; // choose to display COM6
CommSetup.dlBaud= "9600"; // and 9600 baud

if (CommSetup.Execute() == IDOK)
{
Port = CommSetup.dlPort.GetIndex()+1;
Baud = CommSetup.dlBaud.GetIndex();
DUMP(Port);
DUMP(Baud);
```

```
// Now open the port at the baud rate
if (!CommPort.Open(Port,Baud))
    PromptOK(Format("Cannot open COM%d",Port));
else
{
    PromptOK(Format("COM%d opened successfully",Port));
    SetTimeCallback(-100,THISBACK(CheckRxTmr), idRxTimer);
}
}
}
```

Thanks
