

Re: MSComm and USB to RS485 Converters (head hurting now, must have martini)

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- *From:* EdV <ed_vogel@xxxxxxxxxxxx>
 - *Date:* Tue, 20 Nov 2007 12:31:31 -0800 (PST)
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On Nov 19, 8:29 pm, Joerg <notthisjoerg...@xxxxxxxxxxxxxxxxxxxxxxxx>
wrote:

EdV wrote:

On Nov 16, 5:40 pm, Jamie
<jamie_kallpa_not_valid_after_kall...@xxxxxxxxxxxx> wrote:

EdV wrote:

I am having some weirdness and was wondering if any of the readers of this group are experiencing the something similar.

I was using a Quatech QSU200/300 which worked great but then upgraded to their ESU series which do not work with my in house application.

My senior SW developer is out for a spell. Here is what is unique about his application although I do not understand it in detail.

1. TheMSCommcontrol is created in memory by his application which is

a .dll that we then use in various test engineering applications

2. As I look around in his code I see he commented out a "read from device" section of code in his .dll source for setting baudrate, inputmode, etc. Some devices need to be "woke up"? Sounds interesting, hmmm.

3. Hyperteminal to Hypterminal link ups work

4. Our applications are "talking" to embedded uC boards using LT1785

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RS485 driver by Linear.

I am going to try and step through his test example with the .dll

loaded in the project today to see what is going on but first I have to get it to run because there are undeclared variables scattered through out.

Thanks in advance for having a look at my dilemma.

Ed V.

PS – mmmmmmmm, martini

PPS –

1. RS232 to RS485 converters work fine but

I am out of serial ports

due

my IT departments drive to use PCs that have fewer everthings.

2. BB–elec Ulinx USB converters do this also

3. If you keep the gin in the freezer and put pop a couple olives in

your mouth you can skip those tedious shaker to glass to mouth steps

Check the default baud rate settings in windows if theMScommisn't

being instructed to set the baud rates. Also, Check the name being

used..

My Self, I don't useMScommsince it's a MS thing and requires a

license key to operate it.

I just go for the raw API levels.

Make sure the USB device gets mapped in as a comport and operating

before the App starts.

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"I'm never wrong, once i thought i was, but was mistaken"

Real Programmers Do things like

this.http://webpages.charter.net/jamie_5–Hide quoted text –

– Show quoted text –

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I found that data is going out but the response from the embedded controller is "wrong". I think it is time to get a serial protocol analyzer or a serial port sniffer and see what is coming out to see if it is corrupted somehow.

You could try Portmon. It's been a while since I used it but IIRC it had to be started before starting the COM routine. Since I've got a DSO with a long buffer I use that nowadays, at the point where it is RS232 again.

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Regards, Joerg

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Well I threw the kitchen sink at it and we found out that we need to wait for the USB driver to finish poking around before we read the input buffer after we send out a command. Ah the simple joys of looping until something is in the buffer. Why we don't use a routine that triggers on an MSComm event is still eating at me but I am tired of questions.

Thanks much,
Ed V.

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