

Re: PIC USART troubles

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- *From:* "Anthony Fremont" <spam-not@xxxxxxxxxxxxx>
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hybrid_snyper wrote:

You didn't say that before. I figured you used a standard cable.
Tidbits like this are extremely important.

Apologies, ive taken the MAX232 out of the equation now.

No apologies needed. :-)

Try connecting the PIC to the pc using the special cable and see if it's working. Do you have a scope to verify the baud rate is correct.?

The phone can speak to the PC via hyper-terminal, with the settings
Baud 9600, 8 bits ,1 stop , parity none. i dont have a scope to hand

This is only with the special cable, right? Not to be condescending, but you are cross connecting the RX pins to the TX pins, correct?

till Monday morning so impossible to tell, but on friday when i was in the lab all seemed well. But since then i have made a few changes to the code but nothing i think would affect the running, but then again who knows.

Sounds like your phone may be 3.3V compatible. If so, it may not much like you slapping it with 5V signals from the PIC. Try powering the PIC from 3V and see what happens. Make sure brown out detect (BODEN) is not enabled.

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Been running the PIC at 3.3V with brown out off.

Ok, that eliminates the other stuff I went on about. ;-)

with ref to the errors these would only affect the RX, yes? At the moment i am trying to send an AT command that will switch off the phone this would give me a definite confirmation that the phone received the command. Would these FERR and OERR errors affect the TX line?

I don't know for sure, but I don't think they will prevent you from sending.