

LINEERR_RESOURCEUNAVAIL using USB port

Source:

<http://www.tech-archive.net/Archive/WindowsCE/microsoft.public.windowsce.app.development/2004-09/0279.html>

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OK. I'll be the first to admit that what I am trying to do is foolish and desperate.

I have a working CE.NET 4.1 application, using TAPI. As long as I connect my cell phone to a serial port, and point TAPI to COM1, all is fine.

Well, our customers are finding it increasingly difficult to obtain cables with a serial port connector. Seems like all the new phones have USB connectors, because the majority of the people need to hook up to a PC or laptop. The manufacturers of these phones, also, do not necessarily know that Windows CE exists, therefore getting a driver is impossible.

Now, to round out this story, we do not use Platform Builder to build the image for our device, but use an image (a CE.NET 4.1 image) provided by our board vendor. Checking the registry on the device (checking the registry in this image) I find that the USB port is COM4, and that there are drivers established for it (*sa_usb_ser.dll* and *unimodem.dll*). This is a StrongArm device.

Well, fool that I am, I decided to oversimplify this problem, and just plug the phone into the USB port, change the port to COM4, change the modem initialization string, change the 'selectedDevice' to "Hayes Compatible on COM4:" and go for it.

Of course it does not work. I get LINEERR_RESOURCEUNAVAIL when I attempt `::lineMakeCall`. (Now, I don't mean to beat a dead horse here, but this code works when I use a phone with a serial port cable.)

As a final, desperate attempt to get this working, since COM4 is set up to use *unimodem.dll*, I 'borrowed' the AT commands which the phone vendor describes in the INF files for Win2K and Win98, and bashed the corresponding registry entries for *unimodem.dll*. Of course, it did not help. Also, I copied the Win2K driver to the device and used it's name as a response to the device's question: "Unidentified USB Deivce. Enter the name of the driver for this USB device." (This was done to humor the phone provider. It also did not work. Surprise! It would not install. Surprise!)

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So, while I am waiting for the book "USB Complete" to arrive, I am more than willing to try a few more things.

Anyone?

Thank you kindly. Susan