# replica I

## serial I/O board

# Setup and install Manual

**January 2004**
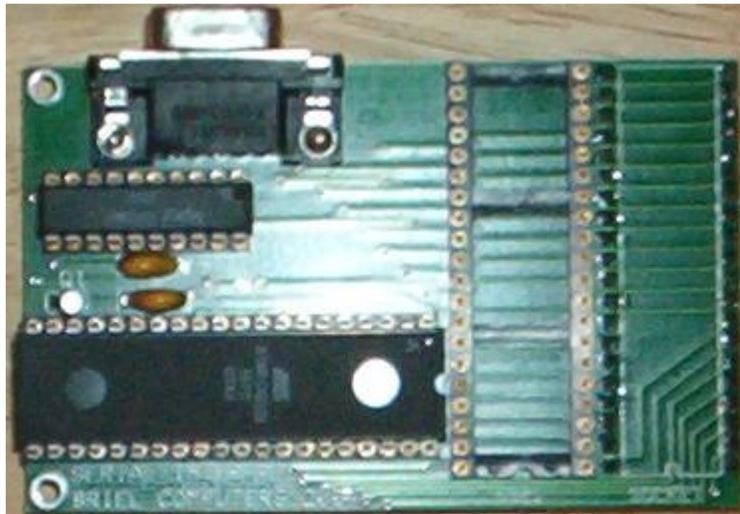


# Briel Computers

**5392 Cornell Blvd
North Ridgeville, OH 44039**

# Getting started

Setting up and installing the serial I/O board is easy, and only involves a few steps to get started. First, you must disconnect all power connectors from your replica I. Next, remove the video connector and your keyboard connector. Locate the IC labeled "6821" on the board. Carefully using a small screw driver, remove the IC as shown in the picture below.



# Install the 6821 on the serial I/O board

Using the 6821 IC you just removed from your replica I, place it in the socket labeled 6821 on the serial I/O board. The notch in the front of the IC indicates the top of the 6821 and should be next to the "6821" label on the I/O board. Make sure all pins are straight before applying pressure. Make sure all pins are seated properly in the socket as shown before continuing.

# Installing the serial I/O board on the replica I

Install the serial I/O board in the socket where the 6821 IC was located on your replica I board. Make sure the serial 9 pin port faces the same direction as your video connector. If needed; you can add plastic mounting support but I have found it unnecessary. Reattach your power, video and keyboard. Next attach a DB-9 serial cable (non-null modem) between your PC and the serial I/O board.

# Setting up Hyper Terminal

Start a new session of Hyper Terminal and select a name for your session.
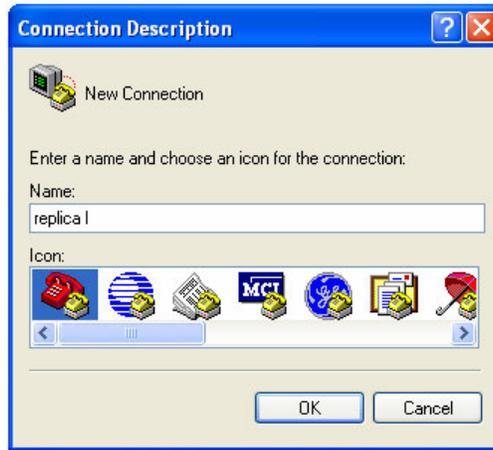


Click on OK. Next, select which COM port you are connected to and select OK. Next, set up your COM port as shown: 2400, N,8,1
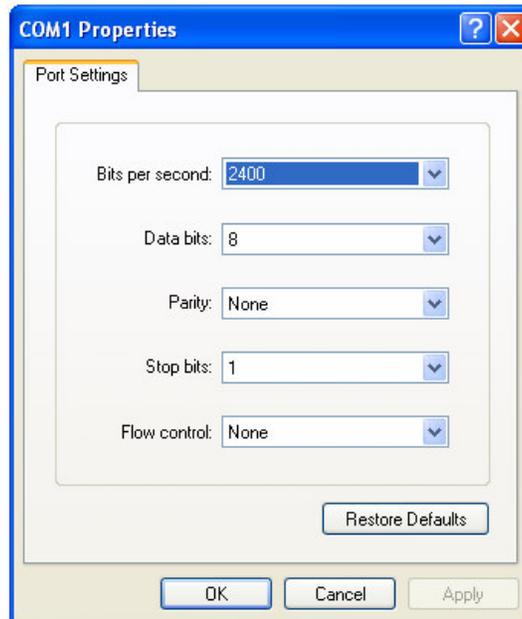


Select OK and continue on to starting Hyper Terminal. You are not ready yet, so click on the disconnect Icon as shown:

Next, click on "File" in the menu bar and select "Properties" from the drop-down menu list.  You should then get a screen that looks like this:
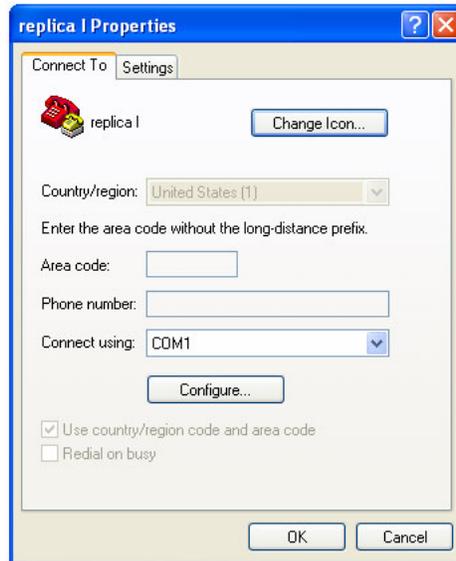
Click the "Settings" tab at the top, then select the "ASCII setup" button.
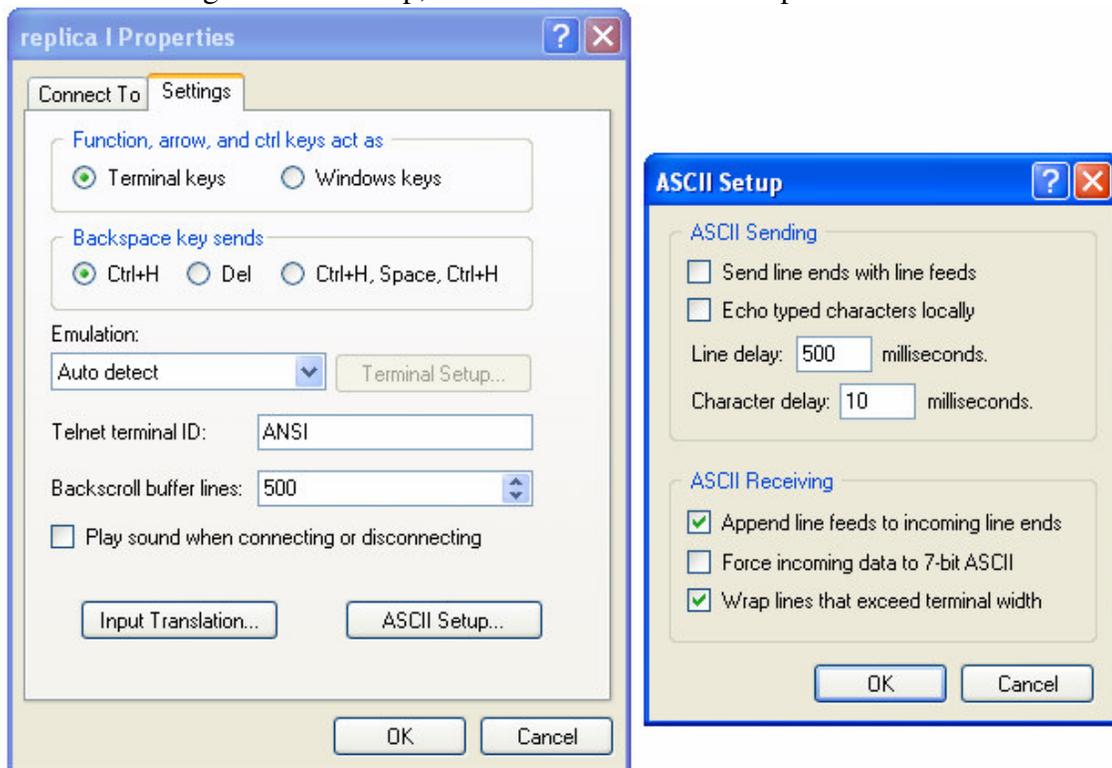
Set up your settings exactly as shown in the picture above. Select "OK" to close the ASCII Setup screen. Select "OK" again to close the properties window and return to Hyper Terminal. Now click on the "Connect" button ☎ and you are connected. Power up your replica and press the reset button. Try typing on both the replica keyboard and your pc keyboard to verify that both function. If you have any problems repeat these steps.

# Transferring files with Hyper Terminal

To send a file to your replica, simply click on the "Transfer" tab and select "Send Text File" from the drop down list.
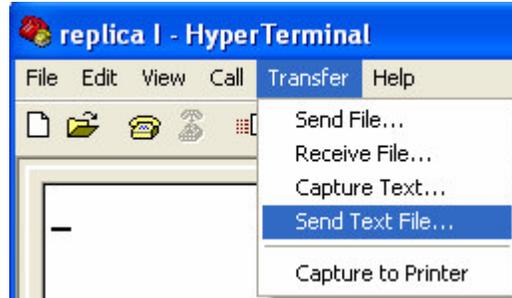


Find the file on your PC and select "OK". At this point Hyper Terminal will send the file your replica and your replica will treat the file as if you were typing it in.  Once it is finished typing in, just run your program as normal. Remember, if you are sending a BASIC file to enter BASIC by typing "E000R" followed by "Enter" before sending the file.

To receive a file is just as easy. Once again, click on the "Transfer" tab, but this time select "Capture Text…" from the drop down list. This will bring up a file name to save option and select the name for your file. Select "OK" to begin the "Capture" mode. If you're in BASIC you can type LIST and Hyper Terminal will capture your BASIC listing. If you're in the Woz monitor, simply type the address range to capture, followed by "Enter."
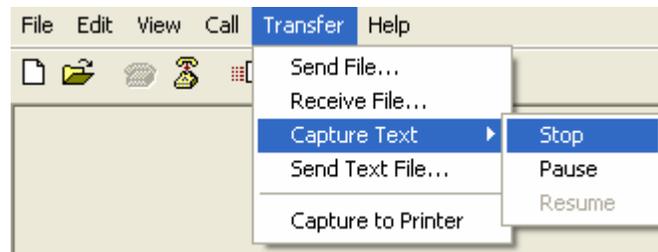


 Once you are done capturing your file, click on the "Transfer" tab, Capture Text option and "Stop."  That's it, you can now, go in and edit your file with any text editor.

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Briel Computers hereby warrants each of its products, and all
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indication of failure attributable directly to faulty workmanship
and/or material, then, upon return of the product to Briel Computers,
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