

Communicating with the C Plus using Hyperterm

The C Plus has built-in programming software that only requires a terminal emulation program to access. One such program that is included in most Microsoft operating systems is called Hyperterm. Hyperterm is usually accessed under "Programs", "Accessories" and "Communications" in the windows start menu.

Setting up an new connection

Start the Hyperterm program on your computer by double clicking on *Hyperterm.exe* or selecting *Hyperterm* under the Communications menu selection. A *New Connection* window will open. Name the new connection CPlus, select one of the available icons and click the "OK" button.

A *Connect To* window will open. Under *Connect Using*, select "*Direct to COM1*" and click the "OK" button.

A *Port Settings* window will open. Adjust the settings to match the below table and then click the "OK" button:

Parameter	Value
Bits per Second	9600
Data Bits	8
Parity	None
Stop Bits	1
Flow Control	None

Once you have made the changes above, reset the connection by disconnecting and reconnecting using the icons in the toolbar. To disconnect, click the icon with the phone having the lifted handset. To connect, click the icon with the phone having the cradled handset. Be sure to save your selections under "File".

Communicating with the C Plus:

You may not always be aware of the port settings previously programmed into the C Plus. However, when first powered-up, the C Plus reverts to 9600,N,8,1 for the ten second countdown phase of the power up cycle. Connect your computer to the C Plus, and during the countdown, enter `$$cp1us`. If all is connected and set up correctly, the C Plus will output the main programming menu. The Hyperterm program will not echo your keystrokes onto the display.

Problems:

If you are unsuccessful, verify all settings in Hyperterm and verify that no other program has captured the computer serial port. You may also wish to reboot the computer and then start the Hyperterm connection by selecting your saved "cplus" connection.

Special Requirements:

To connect the C Plus to a computer, you will need to have the computer interface cable available from Cimarron Technologies. You can also make your own. Pin-outs are described in the C Plus manual in chapter 5 "Technical Information".

Additional Information:

Although this sheet discusses Hyperterm, there are many other terminal emulation programs available that will work as well or even better than Hyperterm. A free upgrade to Hyperterm PE is available at www.hilgraeve.com.