

Application Note #5

Using Hyper Terminal with the M2000

Hyper Terminal is a terminal utility program that is supplied with all versions of Windows. This application note discusses how to connect the M2000 to Hyper Terminal for troubleshooting and file transfer.

This application note discusses the following:

- **Setting up Hyper Terminal with the M2000**
- **Saving tickets macros to a file on a PC**
- **Loading ticket macros from a file on a PC**
- **Saving calibration data to a PC file**
- **Loading calibration data from a PC**
- **Trouble shooting serial ports with Hyper Terminal**

Connecting the M2000 to Hyper Terminal

Setting up Hyper Terminal for the M2000

Hyper terminal can be found Windows under “Accessories” and then “Communications” on practically all PC computer installations.



Click on the Hyper Terminal icon to start the program.

Hyper Terminal needs to be setup to support **9600** baud **N81** with handshaking off.

Running Hyper Terminal Pre Configured

To make things easier Western Scale has supplied the setup files that will start Hyper Terminal with the correct settings. We recommend that these setup files be used to properly configure Hyper Terminal. When you click your mouse on a setup file it will start Hyper Terminal automatically pre-configured for use with the M2000.

Setup files can be downloaded from our website at www.westernscale.ca. We can also email them to you. Contact your sales rep if you want the files emailed to you.

The files to download are “**M2000COM1.ht**” if you are using COM1 on your PC computer or “**M2000COM2.ht**” if you are using COM2.

Copy these files to your computer hard drive. Double clicking the file will automatically start Hyper Terminal with the all the correct settings in place for the COM port you are using.

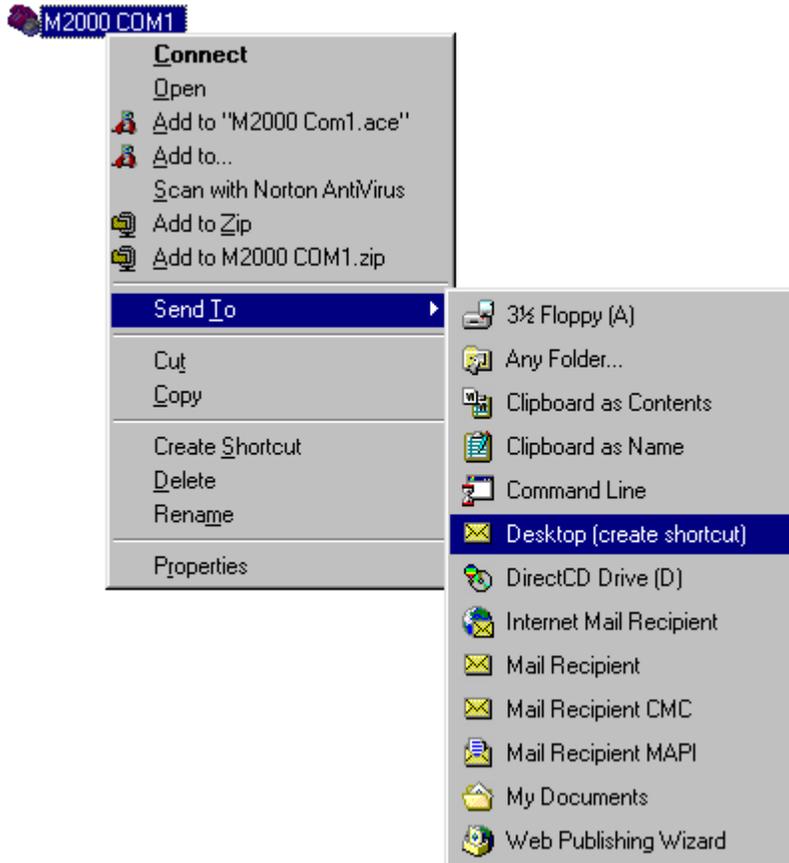
Connecting the M2000 to Hyper Terminal

Creating a shortcut to Hyper Terminal

To create a Hyper Terminal shortcut on your desk up follow the following steps.

Step 1.

Locate the setup file you downloaded from Western Scale. Right click your mouse on the file “M2000 COM1.ht” or “M2000 COM2.ht” (see below). Click on “Send To” then “Desktop”.

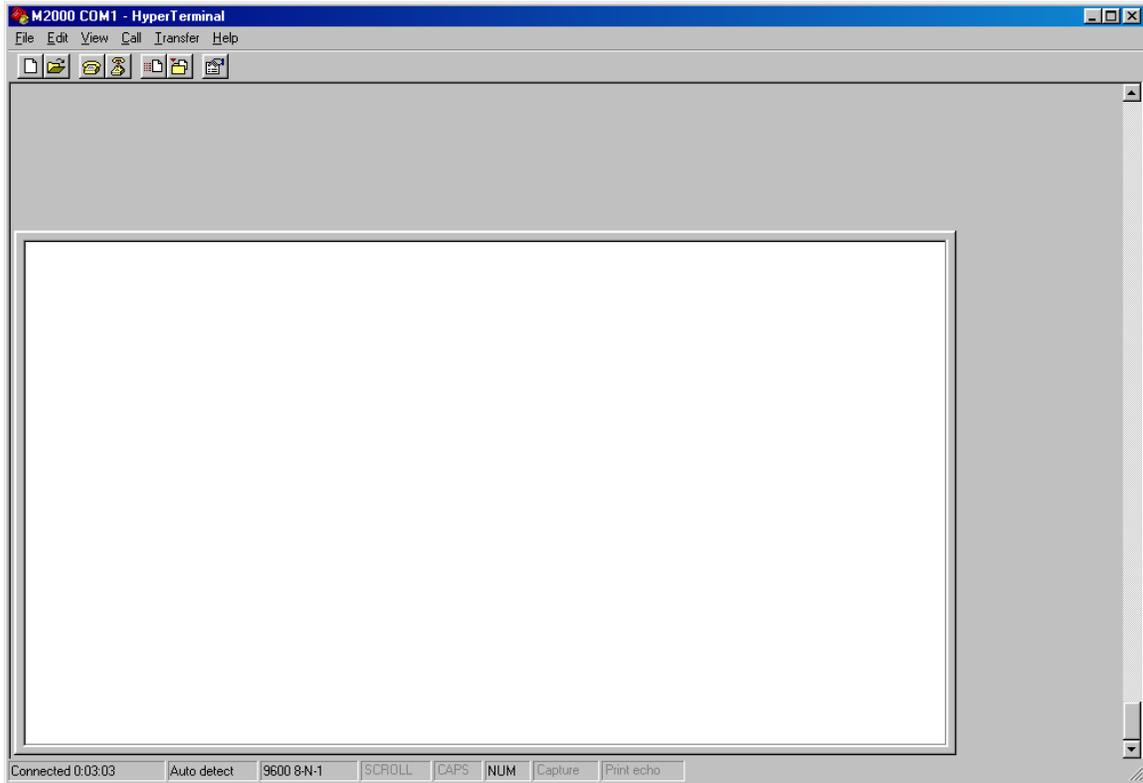


This will create an icon on your display as shown below. Every time you double click the icon Hyper-Terminal will automatically start with the correct settings for the M2000.



Connecting the M2000 to Hyper Terminal

After clicking on the Hyper Terminal icon Hyper Terminal should start and you should have a display as shown below.



The bottom of the display should show in a box **9600 8-N-1** as shown above.

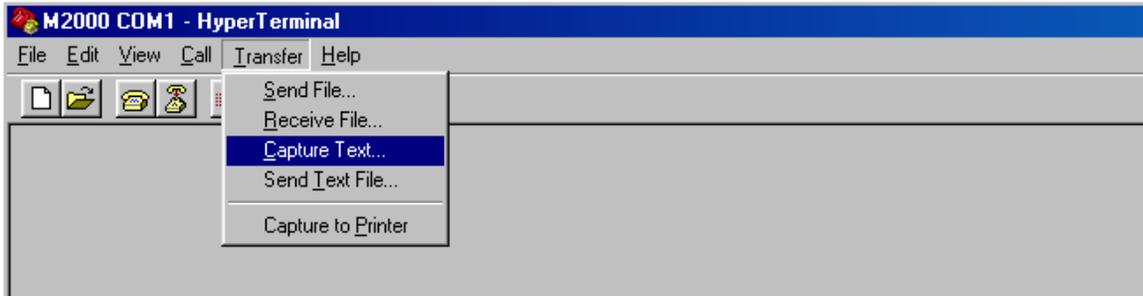
You are now ready with hyper terminal to upload and download files between the M2000 and your PC computer.

Connecting the M2000 to Hyper Terminal

Saving your tickets from the M2000 to your computer.

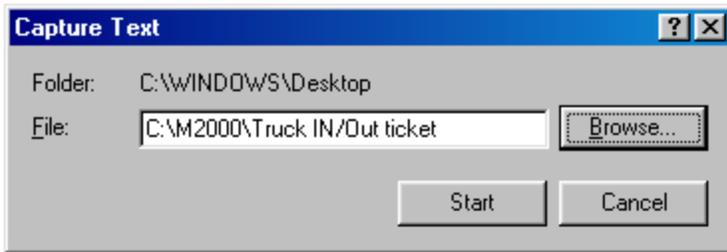
After you have created a ticket application on the M2000 you can save it to the computer for later use. Once saved to the computer the ticket application can be reloaded and used again on a different indicator.

To capture the ticket buffer click on the “**Transfer**” menu and then click on “**Capture Text**” as shown below.



Now enter the file name you want to use to save the ticket file under. Use logical names to describe what the ticket is.

Make sure the M2000 is powered on and in calibration mode.
Now click the start button.



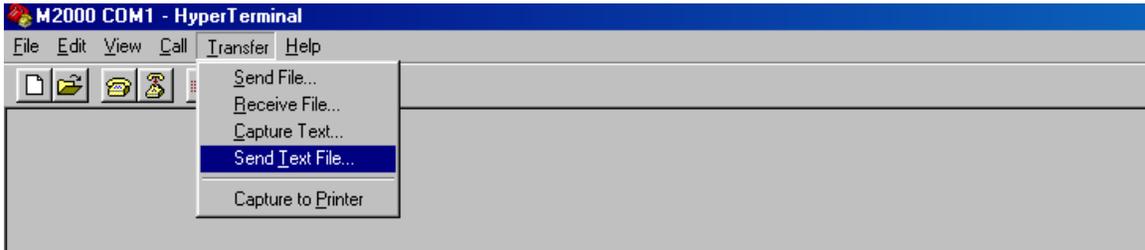
Enter 77 followed by the print select key.

Now enter 1 followed by tare if you are connected to COM1 on the M2000 or 2 tare if you are connected to COM2 on the M2000.

Connecting the M2000 to Hyper Terminal

Connecting the M2000 to Hyper Terminal

Saving your tickets from the M2000 to your computer.



Connecting the M2000 to Hyper Terminal

Connecting the M2000 to the PC computer

Determine which COM port you are connecting to on the back of the computer. This will most likely be COM1 or COM2. You will need a serial cable that will connect to the M2000. If you have previously used the M2000 software programming software then you already have a cable that you can use.