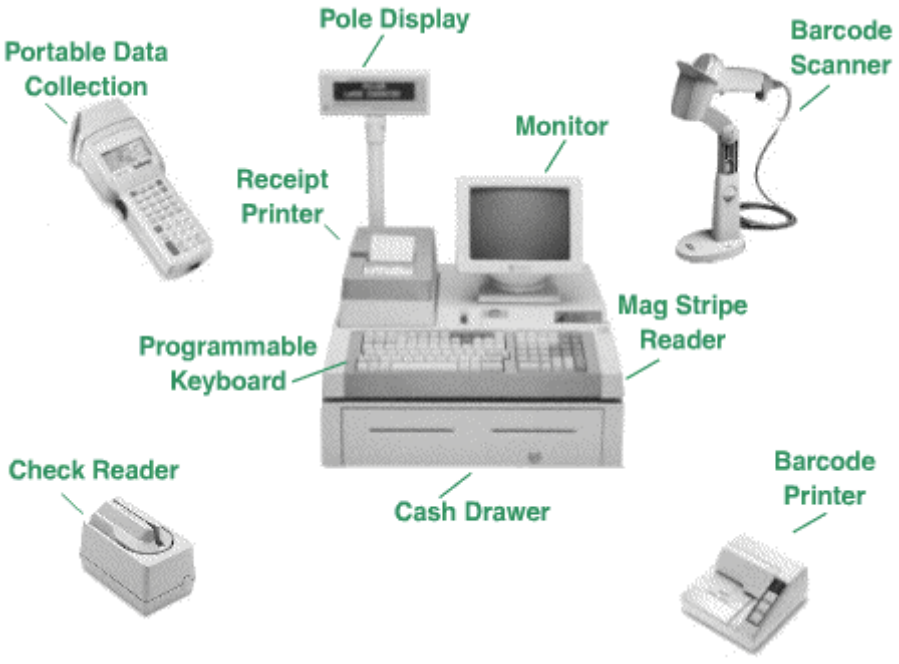
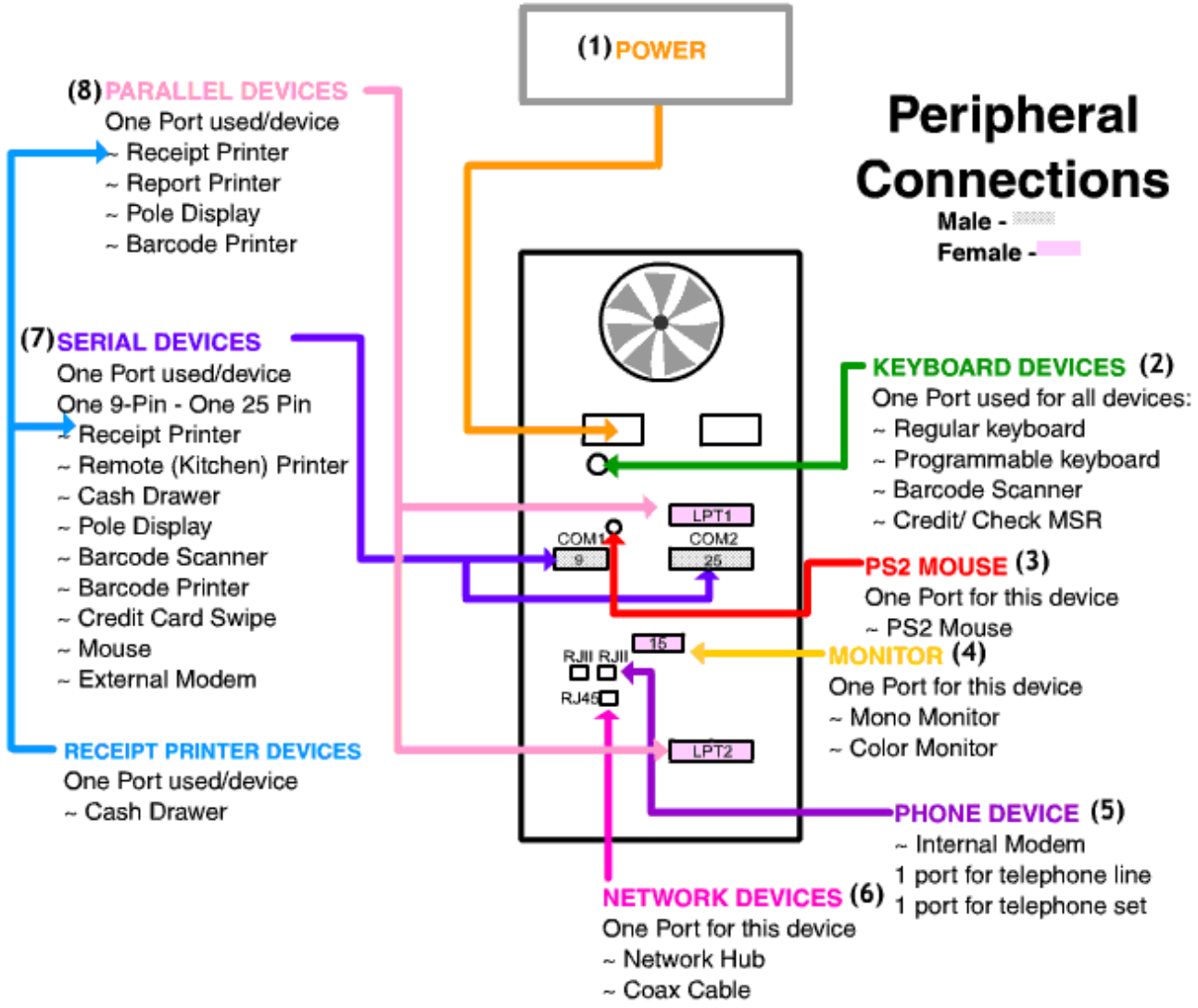
Point of Sale
Hardware Installation
Section I



SECTION I

Basic Hardware Set-Up
Point of Sale Systems



POINT OF SALE PERIPHERALS SET-UP

1. We strongly recommend that you use a UPS (Uninterrupted Power Source), or at least a surge suppressor for you PC and peripherals.

2. Use a Keyboard extension from the PC up through the back of the cashdrawer. The back of the Cash drawer may or may not have a plate that you can remove by un screwing the six phillips screws. The keyboard extension can be feed through the back of the cash drawer and up through to the front of the platform (if applicable) for easy attachment of the keyboard wedged devices. The devices are attached by daisy chain (see keywedge devices under Hardware Setup section). Keyboard should always be last on chain.

3. If your operating system is WIN95/98 and requires a mouse then a PS/2 extension may be needed if space is limited.

4. Use a monitor DB15M to DB15F extension cable from PC up through back of cash drawer. You can follow the same procedure as attaching the extension for the keyboard step #2 above.

5. The Modem RJ11 phone line should always go directly from the wall telephone outlet into the INLINE of the modem. If a handset is to be used, it must go into the modem phone jack. Modems come with a standard 6FT cord, anything longer must be specially purchased.

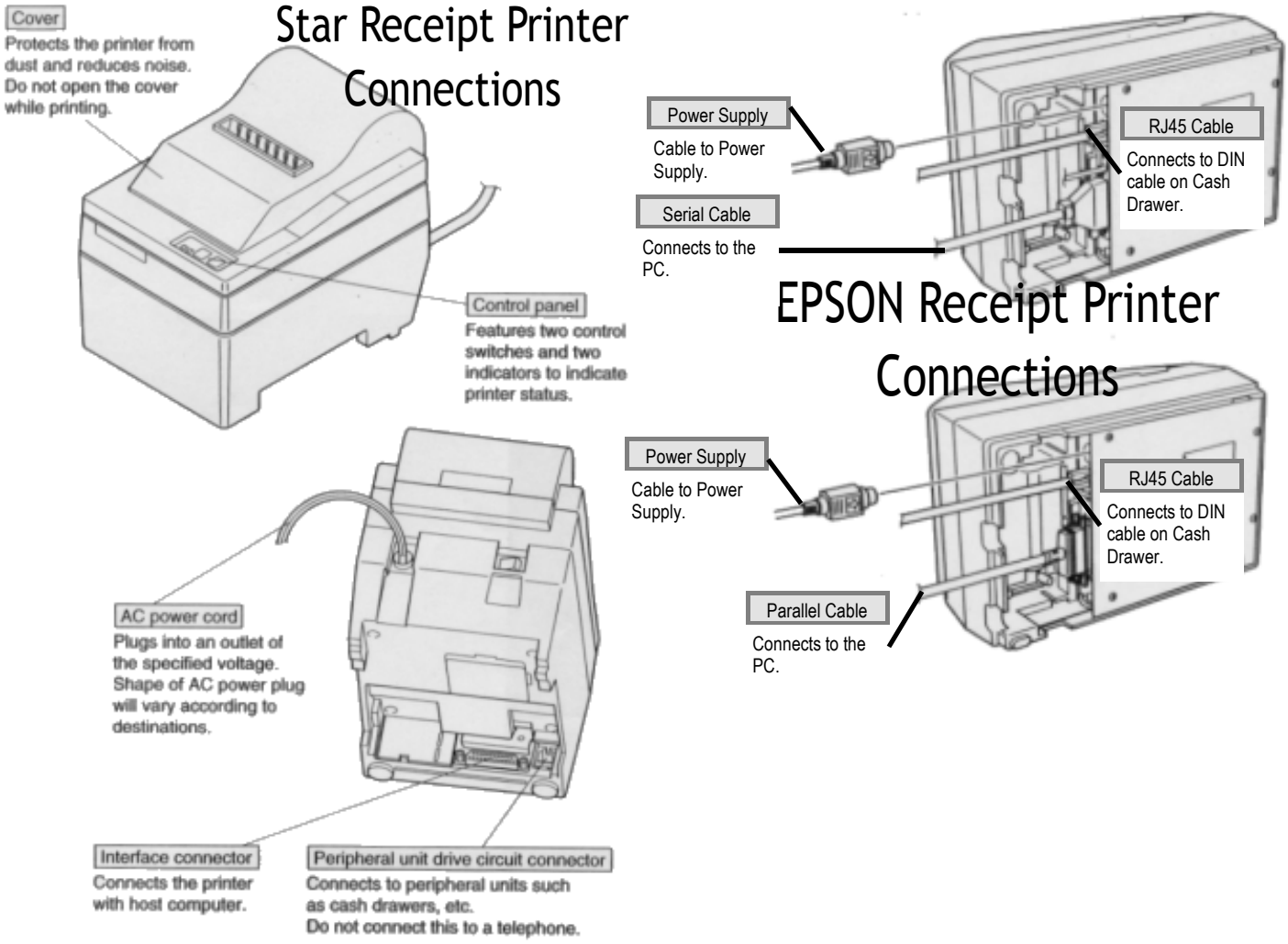
6. Netcards can either have RJ or COAX connections, however, some cards have both available but only one must be used. If you choose to use the RJ connection, a Hub is needed and twisted pair cable must be purchased. If you are using coax ethernet cable, a "T" must be placed on the card's BNC connection and a 50 Ohm terminator on any end that has no PC attaching to it.

7. Serial devices are attached to COM ports and PC's can have 9F pin or 25F pin ports. Devices are attach one to each port the following devices may be attached:
Serial Cash drawers: see the Hardware setup section for cash drawers.
Pole Displays: come with a power supply and a Y cable, one end of Y cable goes to PC(depending on the PC's COM ports, you may need a 25M/9F adapter as most Pole Displays ship 25F pinned). The smallest end of the Y cable plugs into the power supply. See Pole Displays under Hardware setup section for how to configure your display.

8. Connect the Receipt Printer to LPT1 and Barcode to LPT2. Pull cables up through the back of cash drawer if applicable. If using a serial Pole Display, a mode statement needs to be added to your autoexec.bat if you are using the Power Software. See the Hardware setup section for configuration.

♦ RECEIPT PRINTERS SET-UP

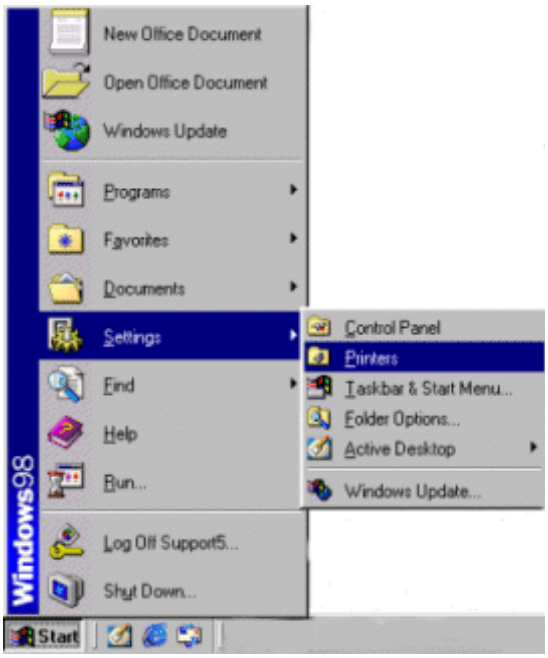
Receipt printers are attached to the PC's LPT or COM port, depending on if the printer is a Parallel or a Serial printer. The printer ships with a power supply, and has a RJ connector for a cash drawer to be connected to it. (See figure 1)



PARALLEL PRINTERS
Set-Up

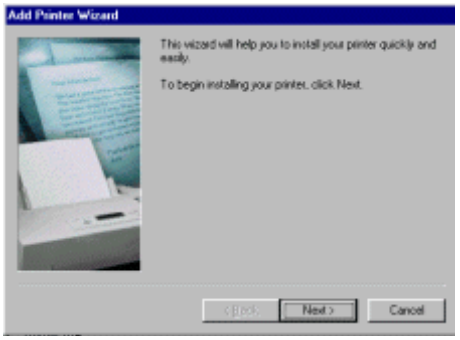
1. Left click on the **START** button.

2. Go to **SETTINGS**, and then **PRINTERS.**

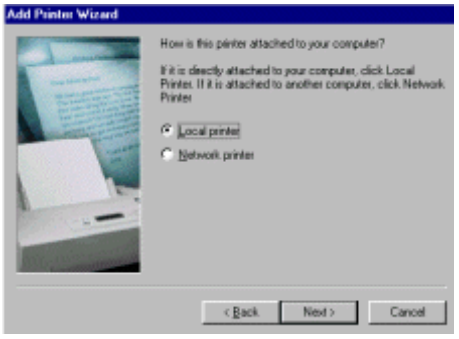


3. Locate and double left click on the **ADD PRINTER** icon.

4. Click on **NEXT.**



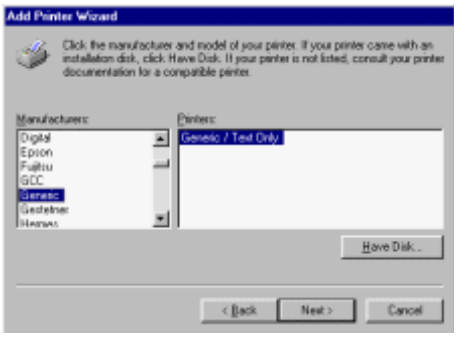
5. Select **LOCAL PRINTER.** Click on **NEXT.**



6. On the left side of the screen under

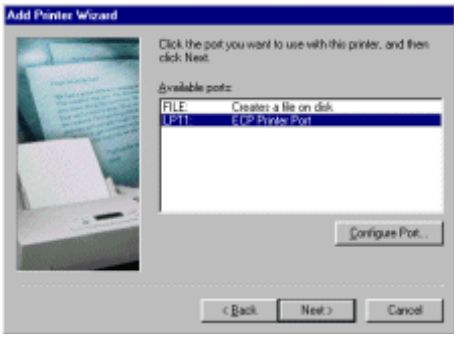
MANUFACTURERS, scroll down and select **GENERIC.** The right side of the screen should now say **GENERIC / TEXT ONLY.**

Click on the **NEXT** button.



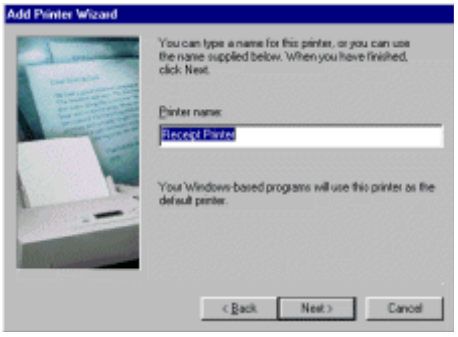
7. Select the port that you will be connecting the printer to. The printer is usually connected to LPT1.

Click on the **NEXT** button.



8. Type in the name of your printer. (i.e. Receipt or Barcode)

Click on the **NEXT** button.



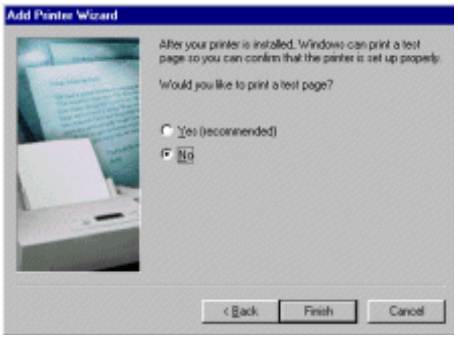
9. Select **NO** option for Windows to use this printer as the default printer.

Click on the **NEXT** button.

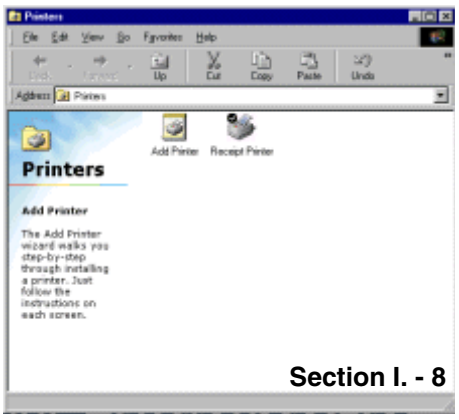
10. Select **NO** option to print a test page.

Click on the **FINISH** button.

Note: *You may be prompted to insert your Win95/98 disk. Make sure you have the program available. Follow the instructions on the screen.*



11. An icon should now be visible in your **PRINTERS** window.

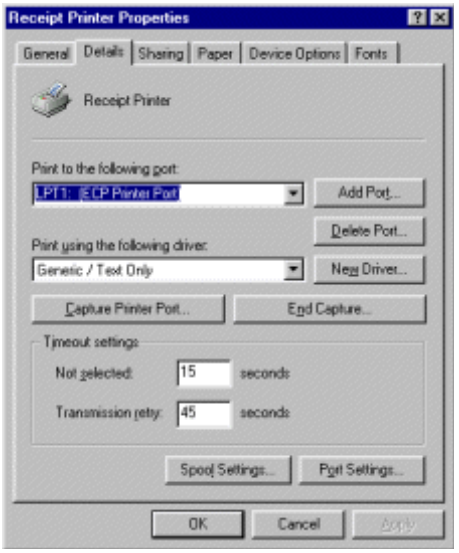


♦ **TO SET PRINTER PROPERTIES**

1. Right click on the printer icon that you just added. (i.e. Receipt Printer)

2. Left click on **PROPERTIES**.

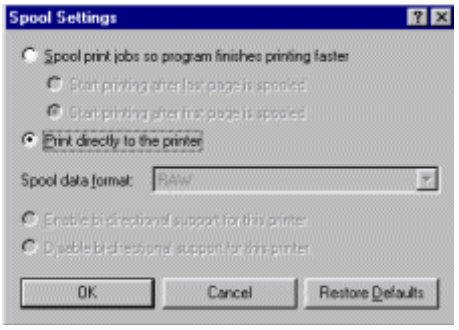
3. Left click on the **DETAILS** tab.



4. Left click on the **SPOOL SETTINGS** button.

5. Select **PRINT DIRECTLY TO THE PRINTER** option is enabled.

Click **OK.**

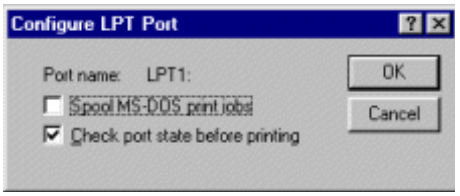


6. Left click on the **PORT SETTINGS** button.

7. Make sure that the **SPOOL MS PRINT JOBS** option is disabled (no check mark in the box).

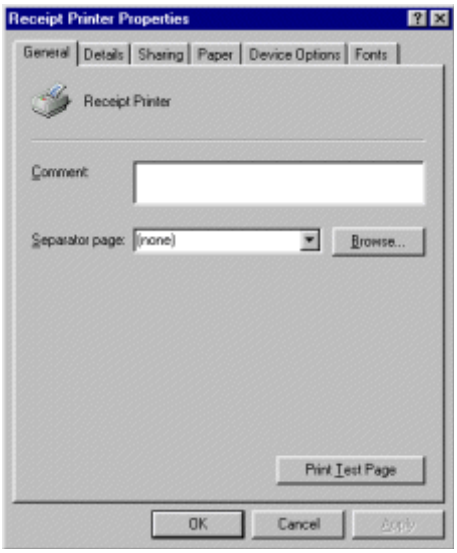
Click **OK.**

Click **APPLY.**



8. Left click on the **GENERAL** tab at the top of the

RECEIPT PRINTER PROPERTIES window.



9. Click on the **PRINT A TEST PAGE** button at the bottom of the window.

Click **OK.**

♦ TO SET-UP A LOCAL PARALLEL PRINTER IN DOS

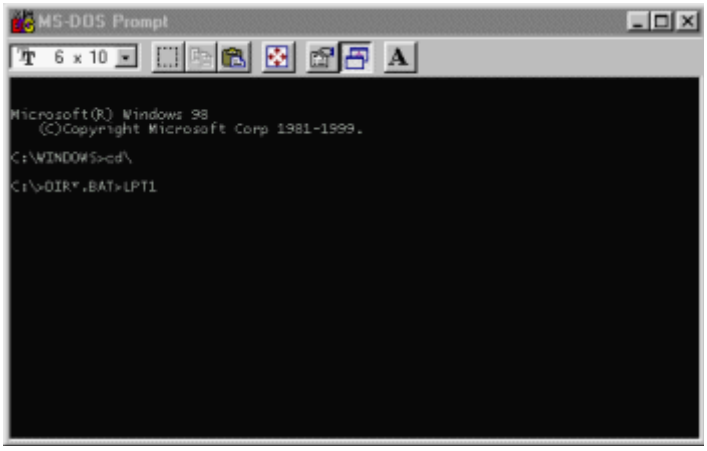
1. Physically attach printer to the port using a 25 Male to 25 Centronic parallel printer cable.

2. No printer drivers are needed.

3. To test the printer: go to **START**, **PROGRAMS, MS-DOS.**

4. The following prompt will appear:
C:\WINDOWS>
At the end of this line type: **cd** and hit <**ENTER> .**

5. Type in the following at the **C:** prompt:
DIR*.BAT>LPT? , then hit **<ENTER>**
(Where the ?= port # - i.e. LPT1 or LPT2)



♦ TO SET-UP A NETWORK PARALLEL PRINTER IN WIN 95/98

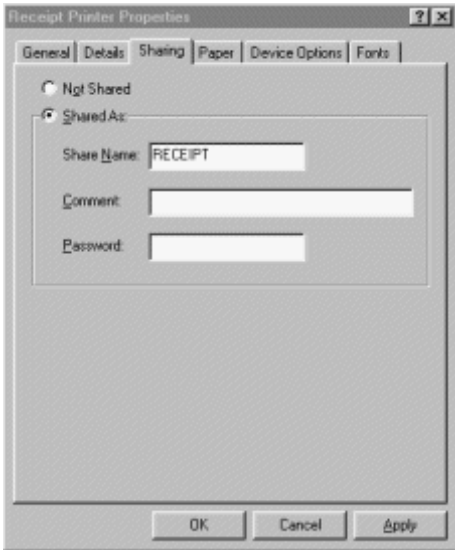
After the network has been configured and the printer has been physically attached to the PC within the network (as outlined in **Local Printer Set-Up**), the printer needs to be shared before it can be recognized within the network. The following steps are needed to share the printer on the network:

1. Go to **START**, **SETTINGS, PRINTERS**.
2. Right click on the printer you wish to share.
3. Select **SHARING**.

4. Select the **SHARE AS** radio button.
5. Type in the name of the printer. (i.e. Receipt)

   Click **APPLY.**

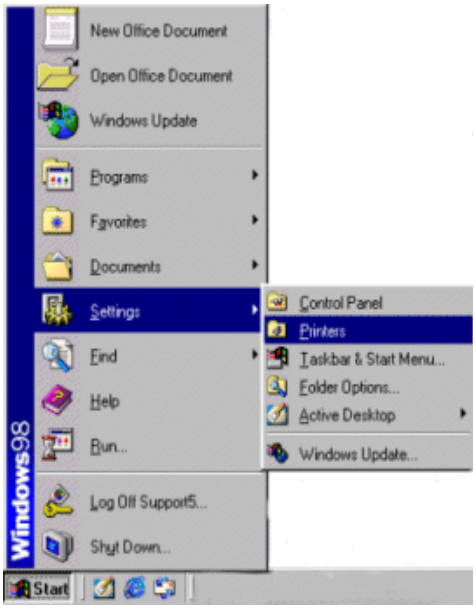
   Click **OK.**



This printer is now able to be seen on the network.

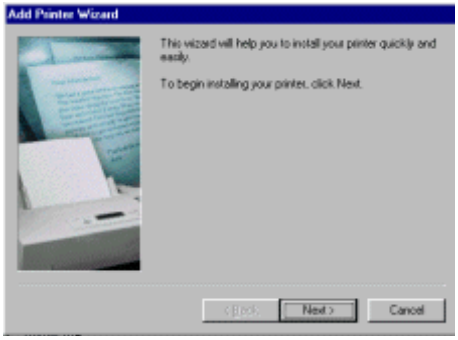
From *each* POS station, the shared printer needs to be added. Add the printer as follows:

1. Go to **START**, **SETTINGS, PRINTERS**.



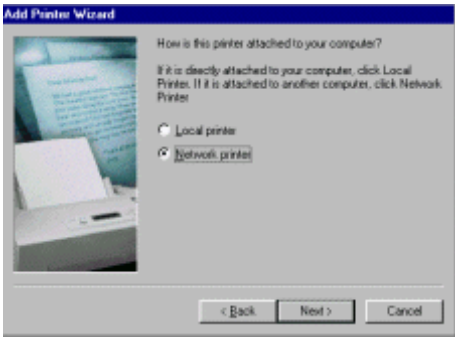
2. Double left click on the **ADD PRINTER** icon.

3. Click **NEXT** on the **ADD PRINTER WIZARD**.



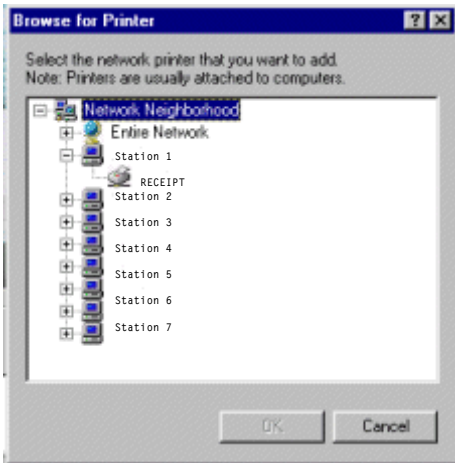
4. Choose **NETWORK PRINTER**.

Click **NEXT.**

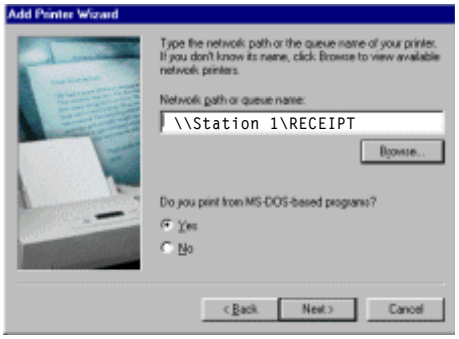


5. Left click on the **BROWSE** button and locate the computer that the printer is physically attached to within the network.

6. Left click on the **PLUS** sign next to that computer, and the printer will appear. Left click on the printer to highlight, then click **OK.**



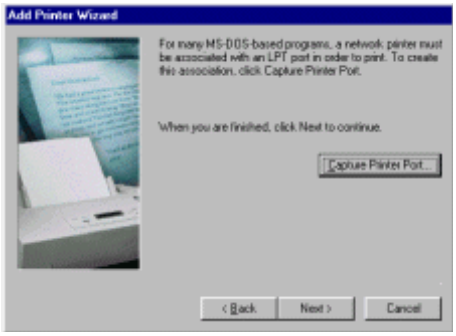
7. This will automatically bring you back to the **ADD PRINTER WIZARD** and automatically place the path to the network printer in the path box.



8. Select **YES** for printing to MS-DOS programs.

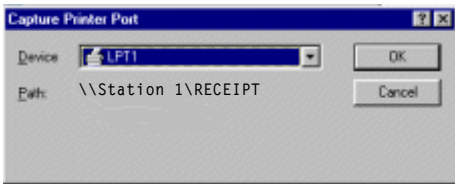
Click **NEXT.**

9. Left click on the **CAPTURE PRINTER PORT** button and the next available port will appear in a new window.



10. Choose your port and left click on the **OK** button.

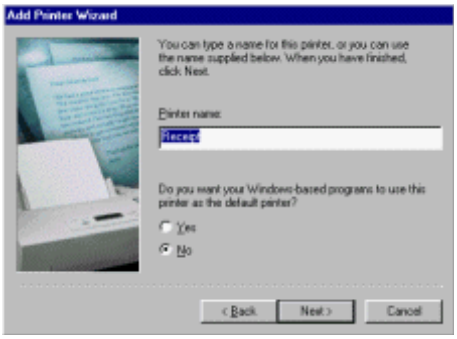
Click **NEXT.**



11. Type in the name of your printer. (i.e. Receipt)

12. Left click on the **NO** option to use as this printer as the default printer in Windows.

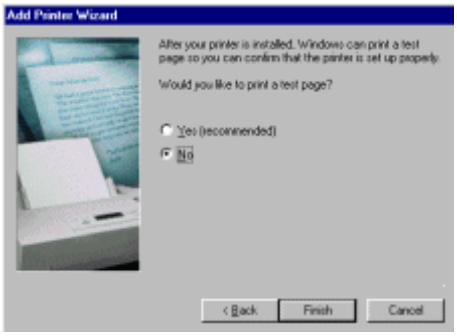
Click **NEXT.**



13. Choose **NO** for the printer test page option.

Click **FINISH.**

Note: *You may be prompted to insert your Win95/98 disk. Make sure you have the program available. Follow the instructions on the screen.*



An icon for the networked printer should appear in the **PRINTERS** folder.

14. Right click on the printer icon that you just added. (i.e. Receipt Printer)

15. Left click on **PROPERTIES.**

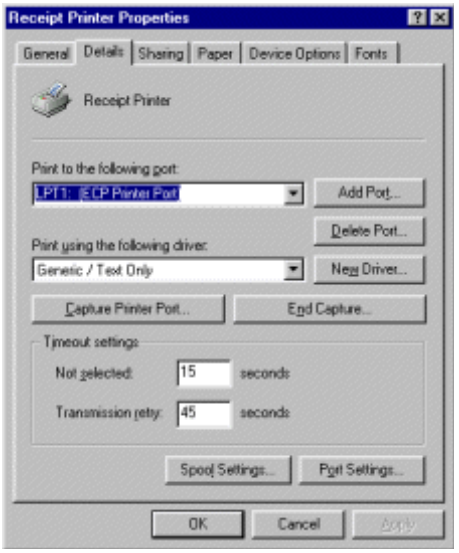
16. Left click on the **DETAILS** tab.

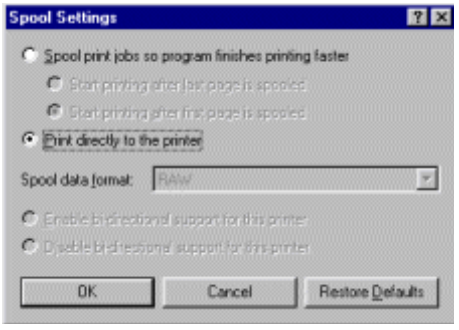
17. Left click on the **SPOOL SETTINGS** button.

18. Select **PRINT DIRECTLY TO THE PRINTER** option is enabled.

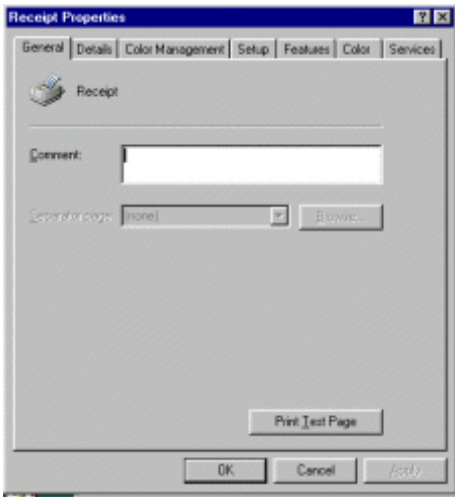
Click **OK.**

Click **APPLY.**





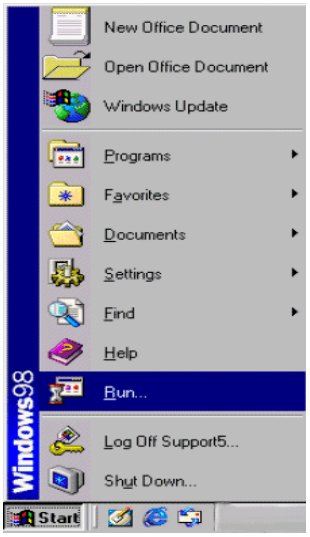
19. Left click on the **GENERAL** button tab.



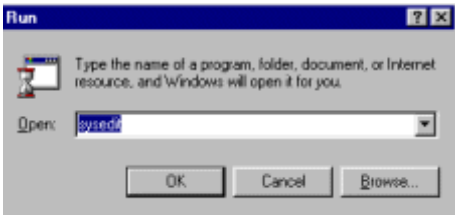
20. Choose to print a test page by left clicking on the **PRINT TEST PAGE** tab at the bottom of this screen.

Click **OK.**

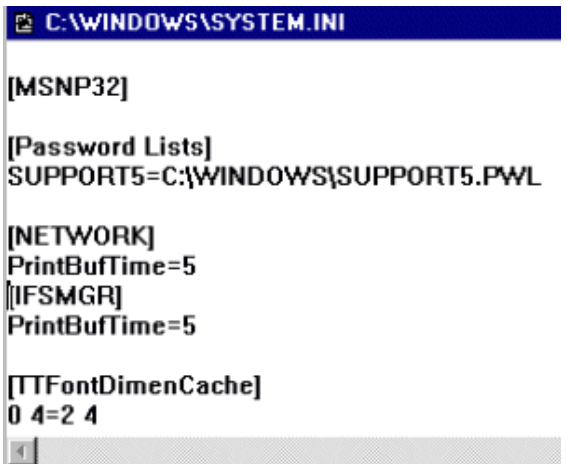
21. Go to **RUN**.



22. Type in **SYSEDIT, <ENTER>.**



23. Select the **SYSTEM.INI** file and scroll down to make sure that the following statement is present:
[NETWORK]
PrintBufTime=5
[IFSMGR]
PrintBufTime=5
If the statement is not present, add it.



24. Click on the **X** to close the **SYSEDIT** window. You will be prompted to save changes. Click **YES.**

This process must be repeated for each station on the network that needs to use that printer.

SERIAL PRINTERS
Set-Up

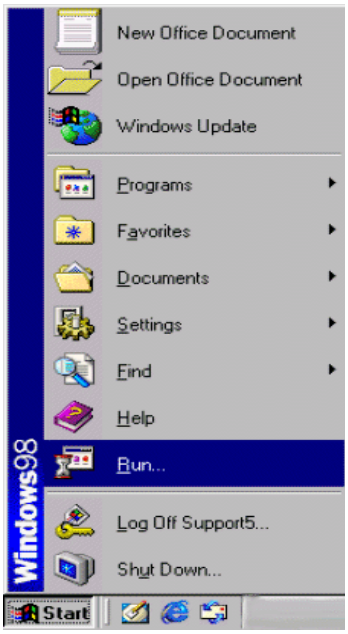
♦ SERIAL PRINTERS SET-UP

SETTING UP A LOCAL SERIAL PRINTER IN WIN95/98

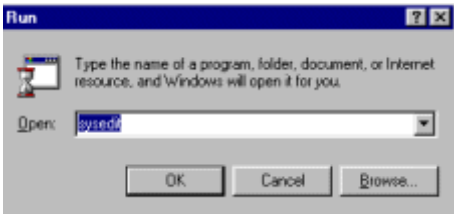
1. Physically attach the printer to the COM port on the PC, making note as to which port you are attaching to.

Note: *In general most serial printers will work with a null mode cable. If not, refer to the printer manual for specific pinouts for your printer's cabling needs.*

2. Go to **START**, **RUN**.



3. Type in **SYSEDIT**.
Click **OK.**



4. The **SYSTEM CONFIGURATION EDITOR** window will open.

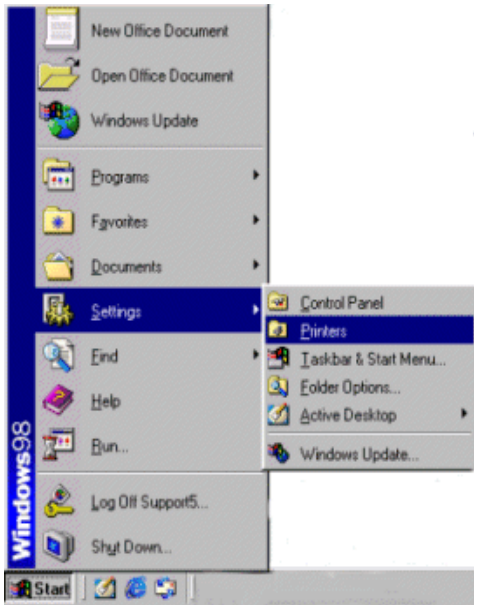
Go to the **AUTOEXEC.BAT** window, and type in the following statements:
MODE COM?,96,N,8,1 , press **<ENTER>.**
MODE LPT2:=COM?:
(Where ? is the COM port number that your printer is attached to)

5. Go to **FILE,** and **EXIT.**
When prompted to save changes click on **YES.**

6. You will need to restart your computer.

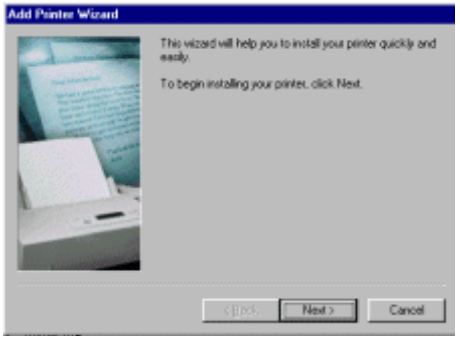
7. After the computer has been restarted:

Go to **START**, **SETTINGS, PRINTERS**.

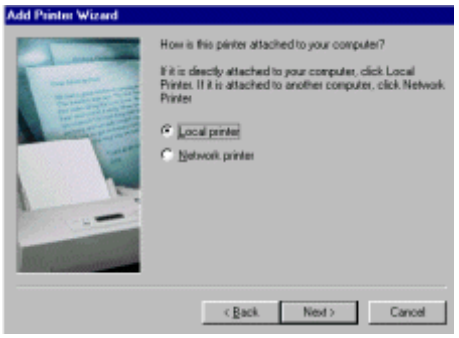


8. Double left click on the **ADD PRINTER** icon.

9. Click on **NEXT.**

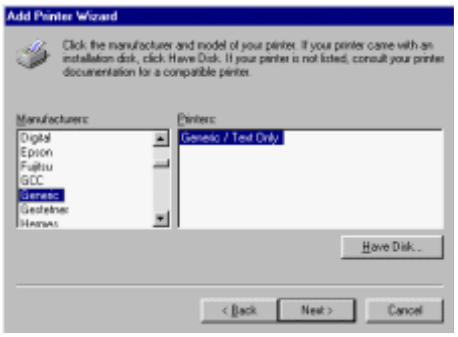


10. Select **LOCAL PRINTER.** Click on **NEXT.**



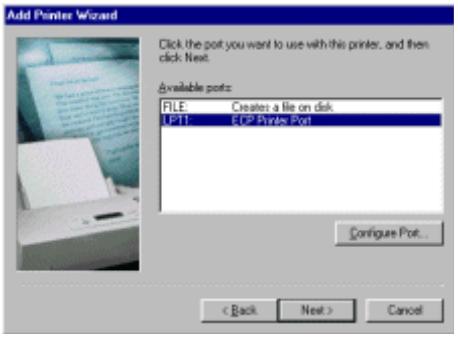
11. On the left side of the screen under **MANUFACTURERS**, scroll down and select **GENERIC.** The right side of the screen should now say **GENERIC / TEXT ONLY.**

Click on the **NEXT** button.



12. Select the port that you will be connecting the printer to. (COM1 or COM2)

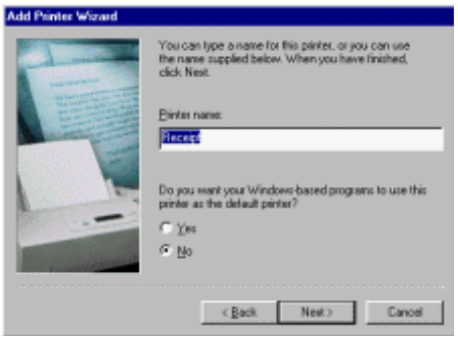
Click on the **NEXT** button.



13. Type in the name of your printer. (i.e. Receipt)

14. Select **NO** option for Windows to use this printer as the default printer.

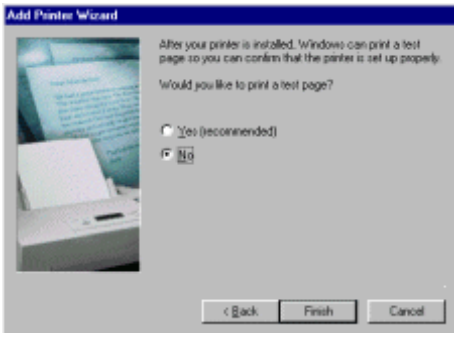
Click on the **NEXT** button.

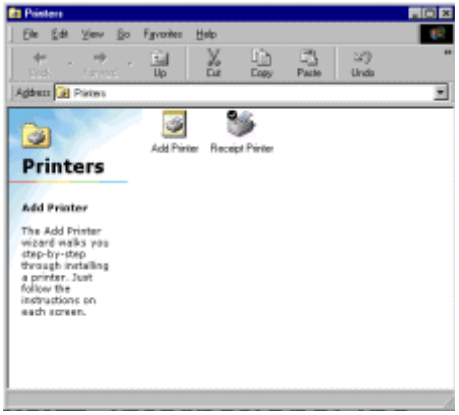


15. Select **NO** option to print a test page. Click on the **FINISH** button.

Note: *You may be prompted to insert your Win95/98 disk. Make sure you have the program available. Follow the instructions on the screen.*

16. An icon should now be visible in your **PRINTERS** window.



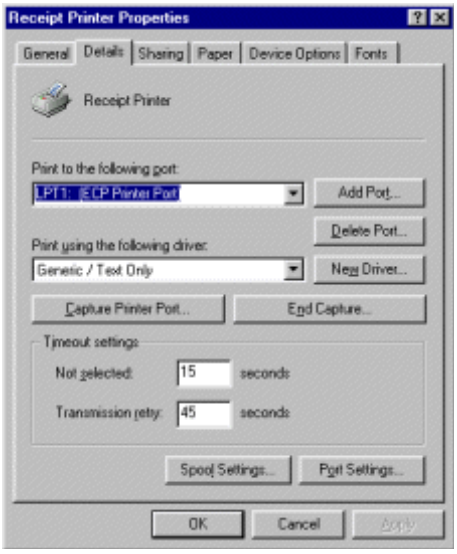


17. Right click on the printer icon that you just added. (i.e. Receipt Printer)

18. Left click on **PROPERTIES.**

19. Left click on the **DETAILS** tab.

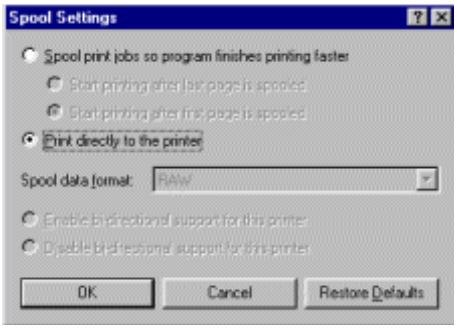
20. Left click on the **SPOOL SETTINGS** button.



21. Select **PRINT DIRECTLY TO THE PRINTER** option is enabled.

Click **OK.**

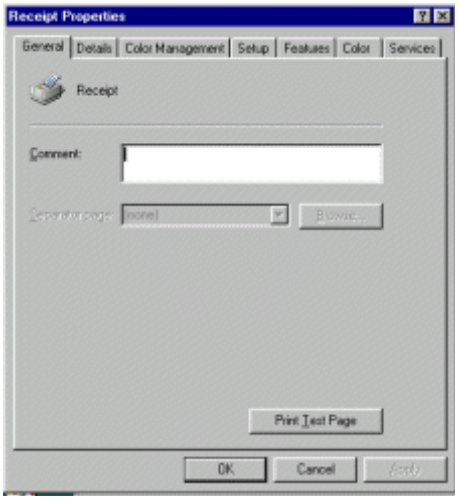
Click **APPLY.**



22. Left click on the **GENERAL** button tab.

23. Choose to print a test page by left clicking on the **PRINT TEST PAGE** tab at the bottom of this screen.

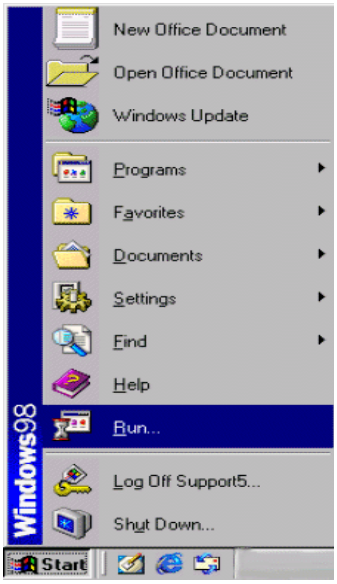
Click **OK**.



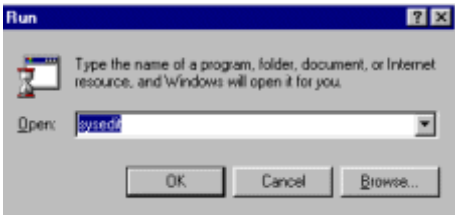
SETTING UP A LOCAL SERIAL PRINTER IN WIN95/98

1. Physically attach the printer to the COM port on the PC, making note as to which port you are attaching to. Most serial printers will work with a null mode cable. If not, refer to your printer's manual for specific pinouts for your printer.

2. Go to **START, RUN, <ENTER>.**

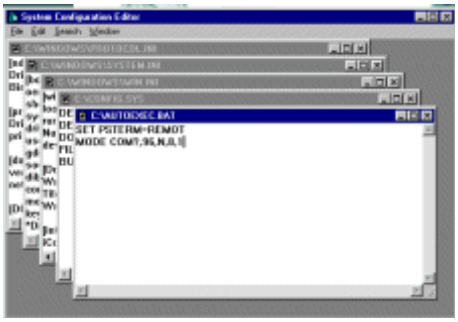


3. Type in **SYSEDIT.**
Click **OK.**



4. The **SYSTEM CONFIGURATION EDITOR** window will open.
Go to the **AUTOEXEC.BAT** window, and type in the following statement:

MODE COM?,96,N,8,1
(Where ? is the COM port number that your printer is attached to)



5. Click on the **X** to close the **SYSEDIT window.**
You will be prompted to save changes.
Click **YES.**

SETTING UP A NETWORKED SERIAL PRINTER IN WIN 95/98

After the network has been configured and the printer has been physically attached to the PC within the network, the printer needs to be shared before it can be recognized within the net work. he following steps are needed to share the printer on the network:

1. Go to **START**, **SETTINGS, PRINTERS**.

2. Right click on the printer you wish to share.

3. Select **SHARING**.

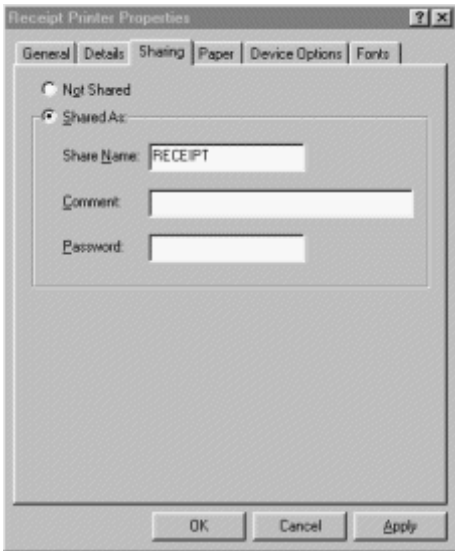
4. Select the **SHARE AS** button.

5. Type in the name of the printer. (i.e. Receipt)

Click **APPLY.**

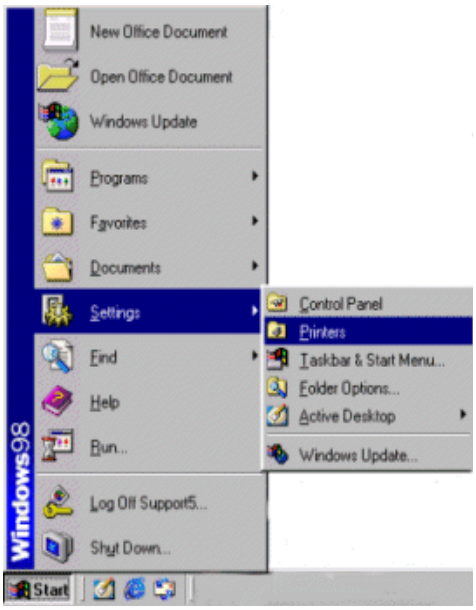
Click **OK.**

This printer is now able to be seen on the network.



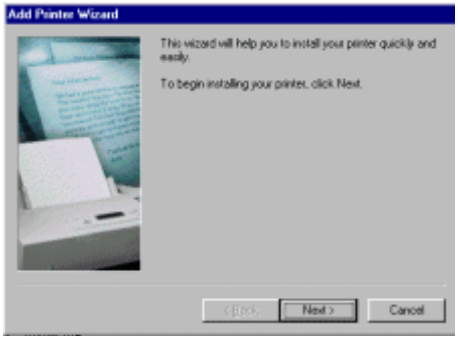
From *each* POS station, the shared printer needs to be added. Add the printer as follows:

1. Go to **START**, **SETTINGS, PRINTERS**.



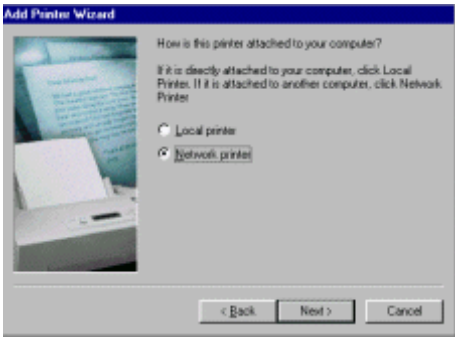
2. Double left click on the **ADD PRINTER** icon.

3. Click **NEXT** on the **ADD PRINTER WIZARD**.



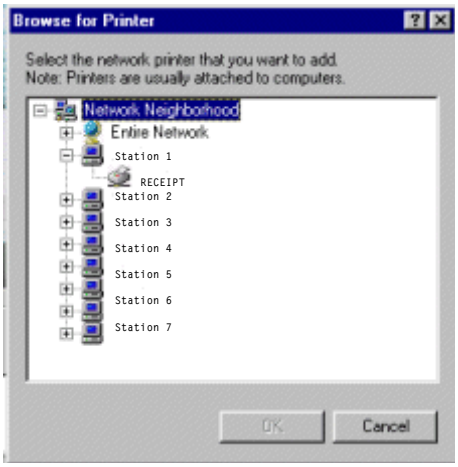
4. Choose **NETWORK PRINTER**.

Click **NEXT.**

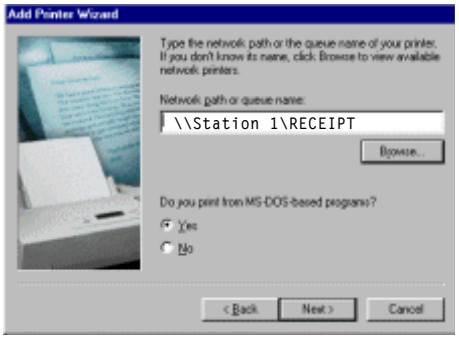


5. Left click on the **BROWSE** button and locate the computer that the printer is physically attached to within the network.

6. Left click on the **PLUS** sign next to that computer, and the printer will appear. Left click on the printer to highlight, then click **OK.**



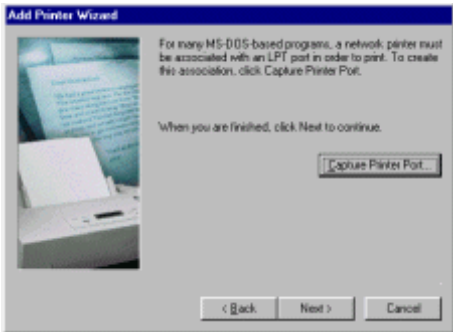
7. This will automatically bring you back to the **ADD PRINTER WIZARD** and automatically place the path to the network printer in the path box.



8. Select **YES** for printing to MS-DOS programs.

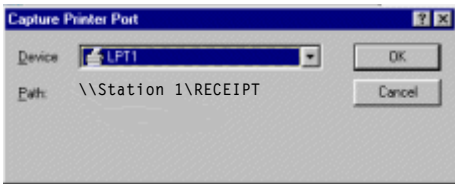
Click **NEXT.**

9. Left click on the **CAPTURE PRINTER PORT** button and the next available port will appear in a new window.



10. Choose your port and left click on the **OK** button.

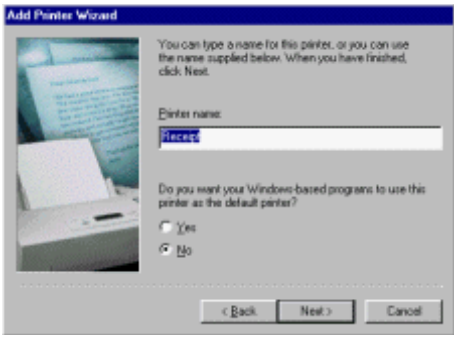
Click **NEXT.**



11. Type in the name of your printer. (i.e. Receipt)

12. Left click on the **NO** option to use as this printer as the default printer in Windows.

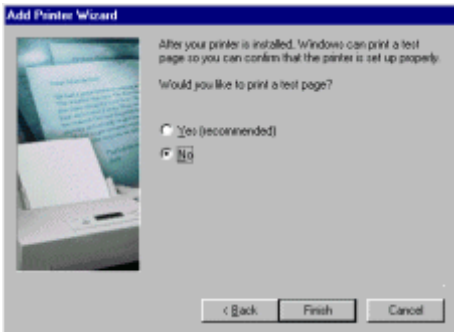
Click **NEXT.**



13. Choose **NO** for the printer test page option.

Click **FINISH.**

Note: *You may be prompted to insert your Win95/98 disk. Make sure you have the program available. Follow the instructions on the screen.*



An icon for the networked printer should appear in the **PRINTERS** folder.

14. Right click on the printer icon that you just added. (i.e. Receipt Printer)

15. Left click on **PROPERTIES.**

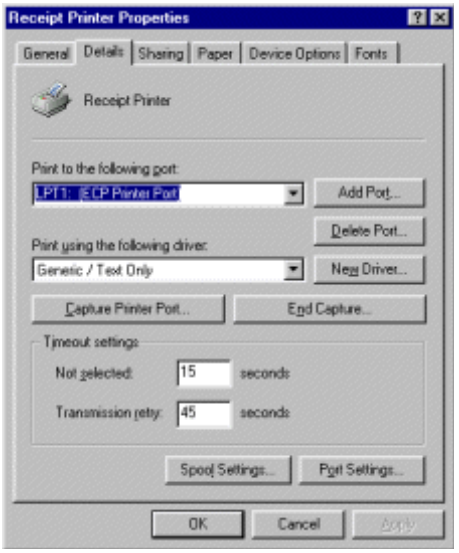
16. Left click on the **DETAILS** tab.

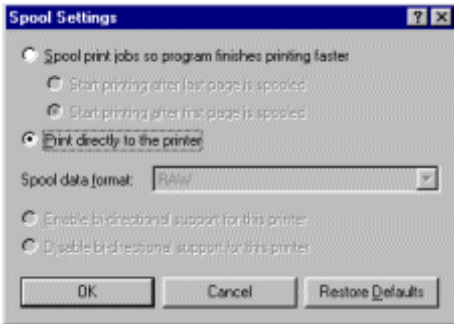
17. Left click on the **SPOOL SETTINGS** button.

18. Select **PRINT DIRECTLY TO THE PRINTER** option is enabled.

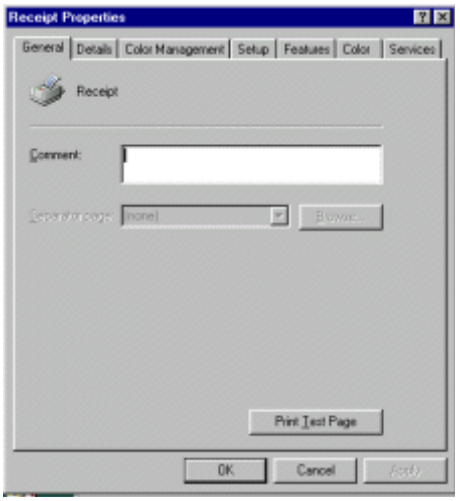
Click **OK.**

Click **APPLY**.





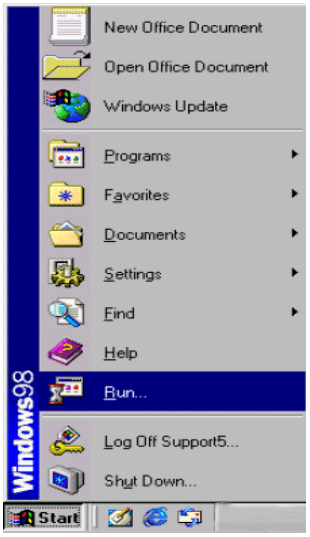
19. Left click on the **GENERAL** button tab.



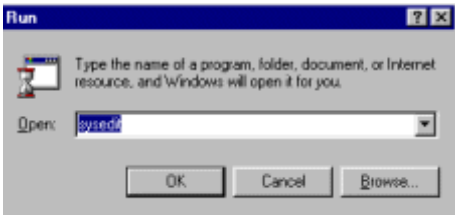
20. Choose to print a test page by left clicking on the **PRINT TEST PAGE** tab at the bottom of this screen.

Click **OK.**

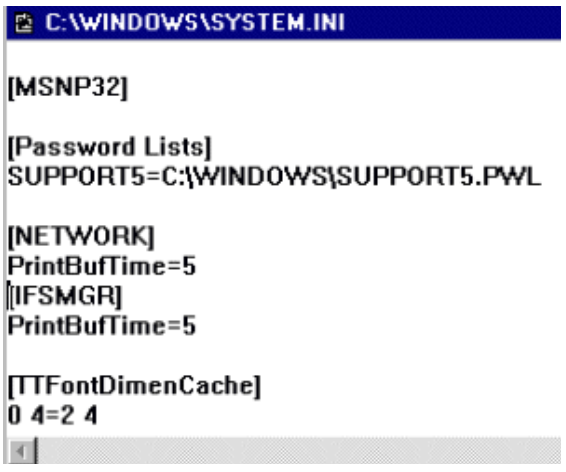
21. Go to **START, RUN**.



22. Type in **SYSEDIT, <ENTER>.**



23. Select the **SYSTEM.INI** file and scroll down to make sure that the following statement is present:
[NETWORK]
PrintBufTime=5
[IFSMGR]
Print BufTime=5
If the statement is not present, add it.



24. Click on the **X** to close the **SYSEDIT** window. You will be prompted to save changes. Click **YES.**

♦ BARCODE PRINTERS

In general, Barcode Printers are usually attached to LPT2 and set-up the same way that you would set-up a receipt printer. See pages 7 - 30 for instructions on receipt printers set-up.

Note: *Barcode printers will not print a test page unless the printer is in* **DUMP MODE.** *To put a barcode printer in* **DUMP MODE** *you must hold down the* **PAPER FEED BUTTON** *while powering on the printer. Once the printer is in dump mode , you will be able to print a test page.*

♦ CASH DRAWERS

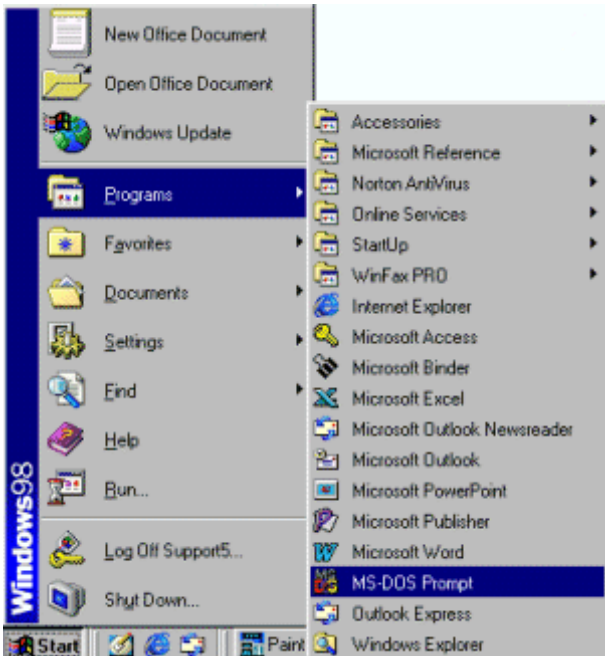
Cash Drawer / Printer Interface with an EPSON printer

1. Remove the 6 phillips screws from the back of your cash drawer to reveal the female DIN Connector. Attach the male DIN connection to the back of the cash drawer and replace the cover plate.

Note: *Some cash drawers will come with the DIN connection pre-wired. In that case, disregard Step # 1 and proceed to Step #2.*

2. Connect the other end of the cable (RJ Connection) to your receipt printer.

3. Go to **START, PROGRAMS, MS-DOS.**

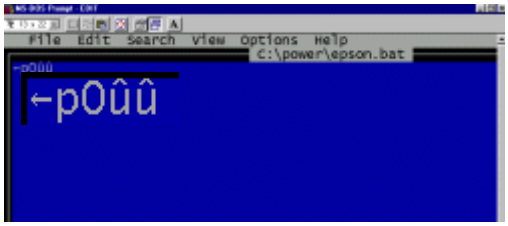


4. From the **DOS PROMPT C:\WINDOWS** , enter the following statement: **CD\POWER**, hit **<ENTER>.**

5. From the **C:\ POWER** prompt type in the following:

EDIT EPSON.BAT, then press **<ENTER>.**

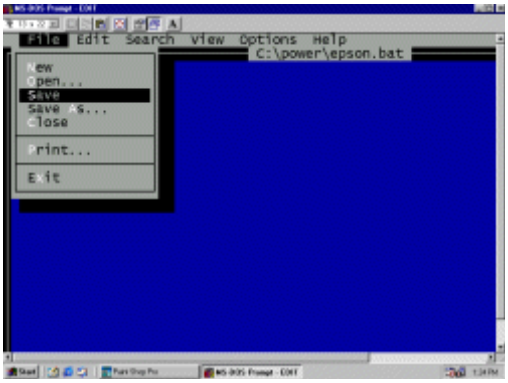
6. With the <**CAPSLOCK>** key on, hold down the **<CTRL>** key and **<P>.** Then press **<ESC>.** This will put an arrow pointing left on the screen.



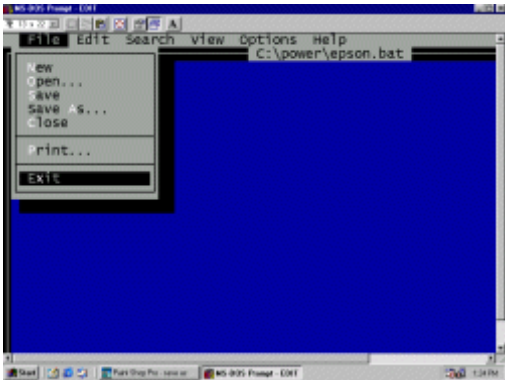
7. Next type in a lower case **p0.**

8. Hold down the **<ALT>** key and type **150,** release the **<ALT>** key. Repeat. This will add the following two characters to the screen: **û û.**

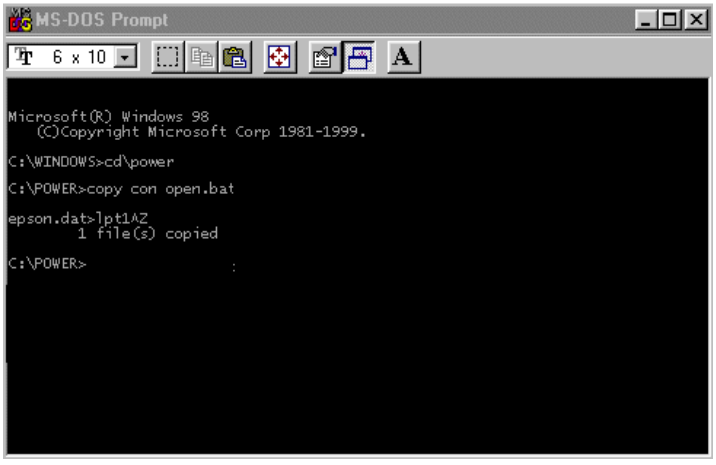
9. Go to **FILE,** arrow down to **SAVE,** press **<ENTER>.**



10. Go to **FILE,** arrow down to **EXIT,** press **<ENTER>.**



11. Back at the **MS-DOS** prompt, type in the following:
COPY CON OPEN.BAT, then press **<ENTER>.**



12. Type:

EPSON.DAT>LPT? (where ?= whatever port printer is physically attached to)

Press **<F6>,** then press **<ENTER>.**

Now type the word **OPEN** and press **<ENTER>** to open the cash drawer.

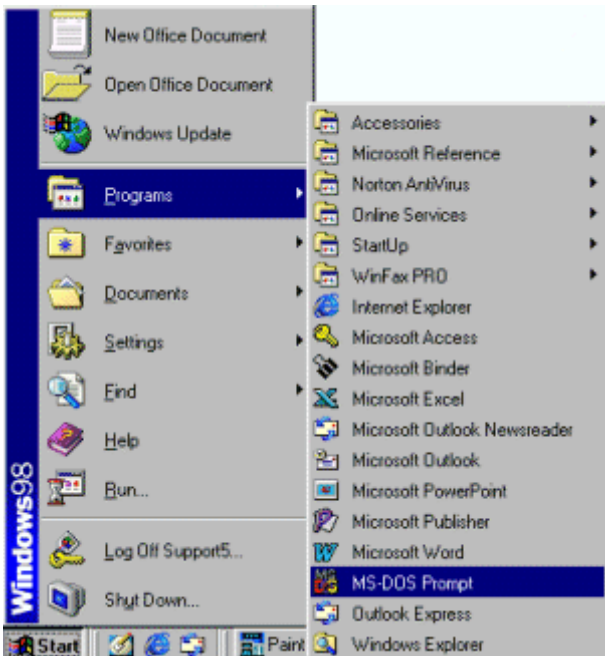
Cash Drawer / Printer Interface all other Printers

1. Remove the 6 phillips screws from the back of your cash drawer to reveal the female DIN Connector. Attach the male DIN connection to the back of the cash drawer and replace the cover plate.

Note: *Some cash drawers will come with the DIN connection pre-wired. In that case, disregard Step # 1 and proceed to Step #2.*

2. Connect the other end of the cable (RJ Connection) to your receipt printer.

3. Go to **START, PROGRAMS, MS-DOS.**



4. From the **DOS PROMPT C:\WINDOWS** ,

enter the following statement:
CD\ POWER, press **<ENTER>.**

5. From the **C:\ POWER** prompt type in the following:

COPY CON BELL
then press **<ENTER>.**
Choose **Y-Yes** to overwrite bell.

```
C:\WINDOWS>CD\POWER

C:\POWER> COPY CON BELL
Overwrite bell (Yes/No/All)?y
^G^G^G^Z
          1 file(s) copied
```

6. Hold down the **<CTRL>** key down and type in:
GGG
(^G^G^G will appear on the screen).
Press the **<F6>** key and then **<ENTER>.**

You should get the response that one file has been copied.

7. Next type the following:
COPY CON OPEN.BAT
then press **<ENTER>.**

Type the following statement:
TYPE BELL>LPT?: or **TYPE BELL>COM?:**

```
C:\WINDOWS>CD\POWER

C:\POWER> COPY CON BAT
TYPE BELL>LPT?:
^Z
            1 file(s) copied
```

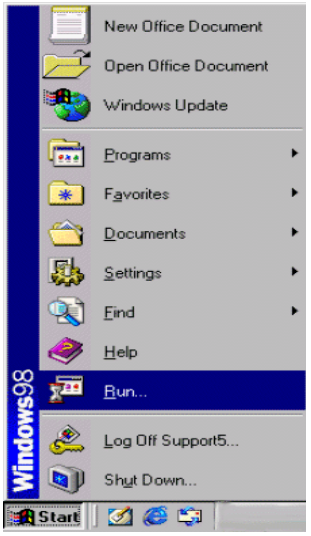
(Where ? = whatever port the printer is physically attached to)
Press **<F6>,** then **<ENTER>.**

Type:
OPEN
The cash drawer should open.

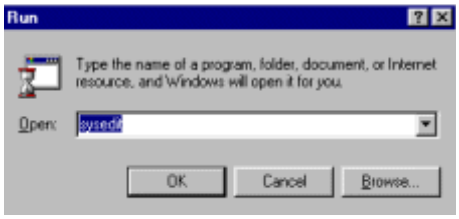
Cash Drawer / Serial Interface

1. Physically attach cash drawer to a COM port.

2. Go to **START,** and **RUN.**

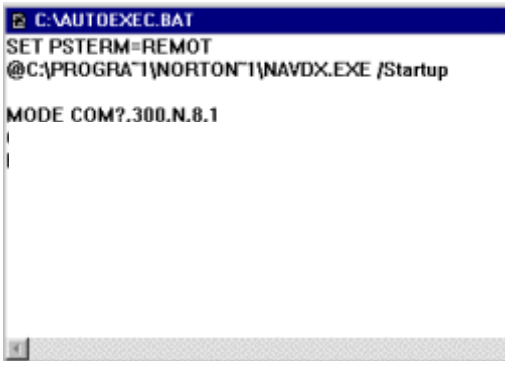


3. Type in **SYSEDIT, <ENTER>.**



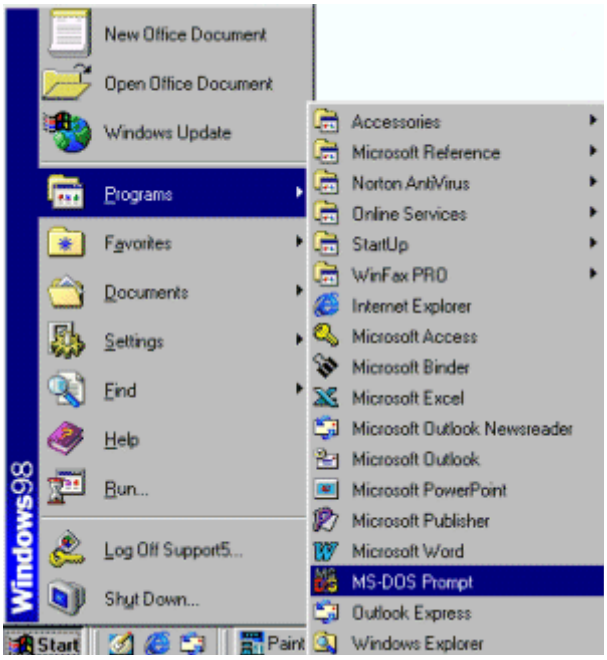
4. The **SYSTEM CONFIGURATION EDITOR** window will open.
Go to the **AUTOEXEC.BAT** window, and type in the following statement:

MODE COM?,300,N,8,1
(Where ? is the COM port number that your cash drawer is connected to i.e. 1,2,3, or 4)



5. Go to **FILE,** and **EXIT.**
When prompted to save the changes, click **YES.**
Your computer will need to be restarted: to do this click on **START, SHUT DOWN,** and **RESTART.**

6. Go to **START, PROGRAMS, MS-DOS.**



7. From the **DOS PROMPT C:\WINDOWS** , enter the following statement:
CD\ POWER, press **<ENTER>.**

```
C:\WINDOWS>CD\POWER

C:\POWER> COPY CON BELL
Overwrite bell (Yes/No/All)?y
^G^G^G^Z
            1 file(s) copied
```

8. From the **C:\ POWER** prompt type in the following:

COPY CON BELL
then press **<ENTER>.**
Choose **Y-Yes** to overwrite bell.

9. Hold down the **<CTRL>** key down and type in:
GGG
(^G^G^G will appear on the screen).
Press the **<F6>** key and then **<ENTER>.**
You should get the response that one file has been copied.

10. Next type the following:
COPY CON OPEN.BAT
then press **<ENTER>.**
Type the following statement:
TYPE BELL>LPT?: or **TYPE BELL>COM?:**
(Where ? = whatever port the printer is physically attached to)
Press **<F6>,** then **<ENTER>.**

```
C:\POWER> COPY CON BAT
TYPE BELL>LPT?:
^Z
            1 file(s) copied
```

Type:
OPEN
The cash drawer should open.

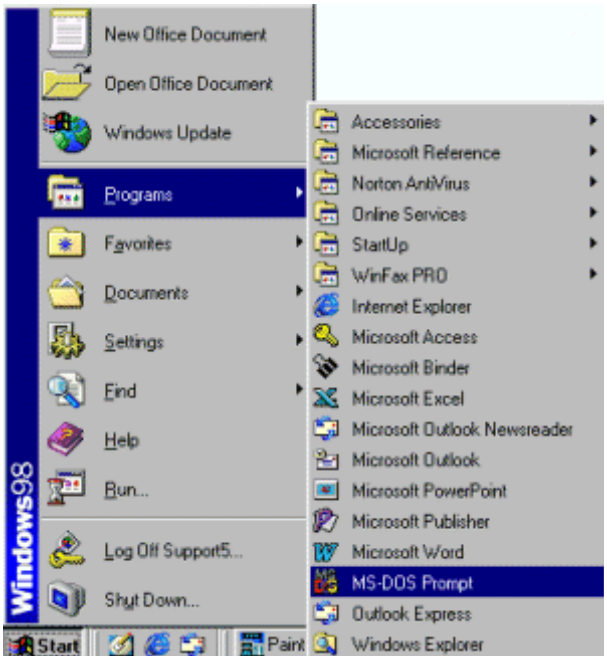
♦ POLE DISPLAYS

Pole Displays come with a **Y-CABLE** and a **POWER SUPPLY.** One end of the cable is a **FEMALE DIN CONNECTOR** that connects directly to the **POLE DISPLAY.** The other end of the cable is either a **FEMALE 25-PIN** (serial connection) or **MALE 25-PIN** (parallel connection). Attach the pole display to a **COM** port or a parallel port, making note as to which port you are connecting it to. Attach the remaining end of the **Y-CABLE** to the ` **POWER SUPPLY.**

Note: If only **9-PIN** ports are available on the PC and Pole Display is the **25-PIN** then a **DB25M / DB9F** adaptor needs to be attached to the pole display's **Y- CABLE** in order to fit the PC.

DOS Operation

1. Go to **START, PROGRAMS, MS-DOS.**



2. From the **DOS PROMPT , C:** type the following statement:

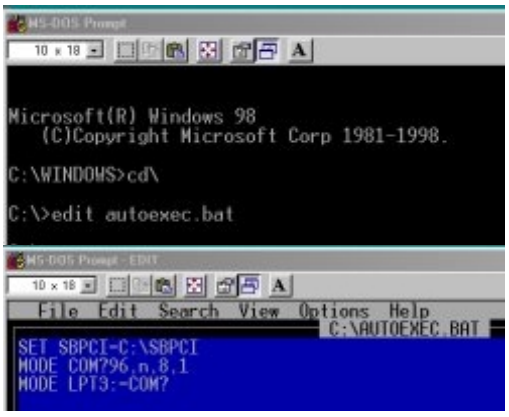
EDIT AUTOEXEC.BAT, then press **<ENTER>.** This will open the file for editing.

3. Follow the directions below for your type of Pole Display, serial or parallel:

SERIAL INTERFACE:
Type the following statements:

MODE COM?,96,N,8,1
(Where ? is the COM port number that your pole display is connected to i.e. 1 ,2,3 or 4)

MODE LPT3:=COM?
(Where ? is the COM port number that your pole display is connected to i.e. 1,2,3, or 4)



4. After you have added the lines, Go to **FILE**, arrow down to **SAVE**, press **<ENTER>**.

5. Reboot your computer.

Testing the Pole Display

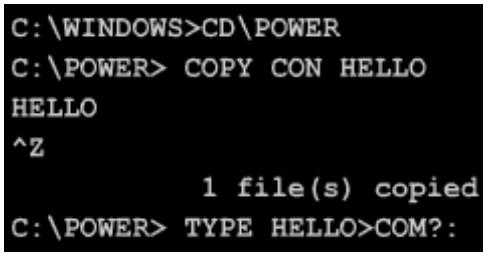
1. Go to **START**, **PROGRAMS**, **MS-DOS.**

2. From the **MS-DOS** prompt, **C:\WINDOWS,** type the following:

CD\POWER, press **<ENTER>.**

From the **C:\POWER** prompt type the following:

COPY CON HELLO, press **<ENTER>.**
HELLO, press **<ENTER>.**
Press **<F6>**, then **<ENTER>.**
1 file will be copied.



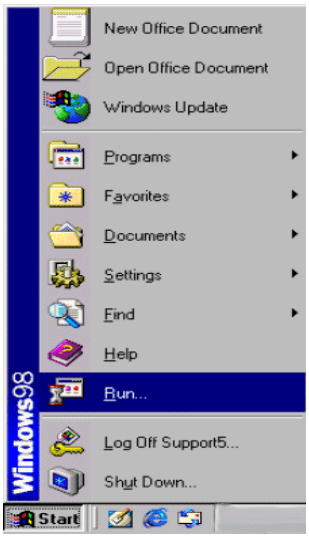
Type the following:

TYPE HELLO>COM?: (serial interface)
or
TYPE HELLO>LPT?: (parallel device)

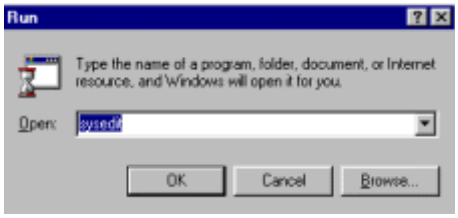
(Where ? = the port the device is attached to)

The response should be “HELLO” across the screen on the pole display.

1. In Windows, go to **START,** and **RUN.**



2. Type in **SYSEDIT**, **<ENTER>**.



3. Left click on **OK,** this will open the system configuration editor.

4. In the **AUTOEXEC.BAT** window, type the following statement:

SERIAL INTERFACE:

MODE COM?,96,N,8,1
(Where ? is the COM port number that your pole display is connected to i.e. 1 ,2,3 or
MODE LPT3:=COM?
(Where ? is the COM port number that your pole display is connected to i.e. 1 ,2,3 or 4)

5. After you have added the lines, Go to **FILE**, arrow down to **SAVE**, press **<ENTER>**.

To Test Pole Display

1. Go to **START**, **PROGRAMS**, **MS-DOS.**

2. From the **MS-DOS** prompt, type the following:

3. From the **DOS PROMPT C:\WINDOWS** ,
enter the following statement:
CD\ POWER, press **<ENTER>.**

```
C:\WINDOWS>CD\POWER

C:\POWER>
```

4. From the **C:\ POWER** prompt type in the following:

COPY CON HELLO, press **<ENTER>.**
HELLO, press **<ENTER>.**
Press **<F6>**, then **<ENTER>.**
1 file will be copied.

```
C:\POWER>COPY CON HELLO
HELLO
^Z
        1 FILE(S) copied

C:\> TYPE HELLO>COM?
```

Type the following:

TYPE HELLO>COM? (serial interface)
or
TYPE HELLO>LPT? (parallel device)

(Where ? = the port the device is
attached to)

The response should be “HELLO” across the screen on the pole display.

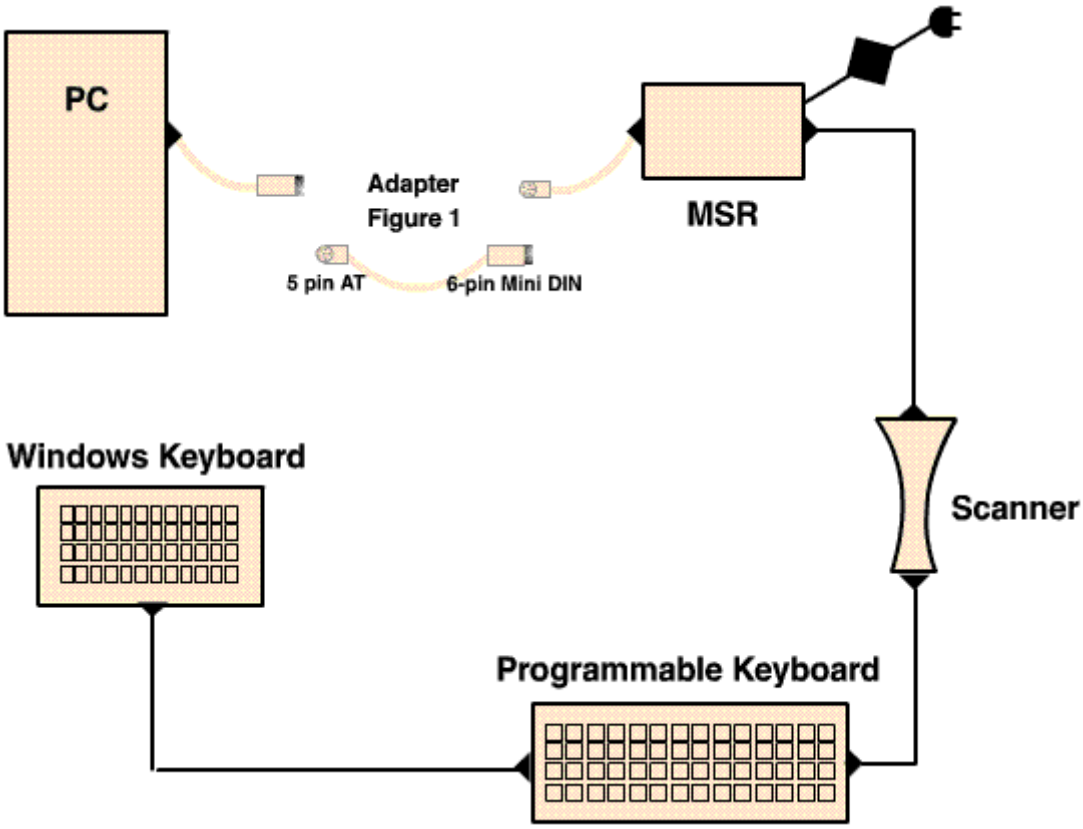
♦ KEYWEDGE DEVICES

1. All keyboard wedge input devices such as barcode scanner, credit card / check readers; programmable keyboards and standard 112 key keyboards are connected to the PC via a **DAISY CHAIN.**

2. If the PC uses a keyboard with a 6-pin mini DIN Connector (A.K.A. a PS/2 connector) and your first device into the PC is a 5 pin DIN connector (A.K.A. an AT connector), then you will need to use an adapter cable to make the connection. **See Figure 1.**

3. Some check / credit card readers will require more power than a PC allows. In this instance a power adapter needs to be used to give the device the additional power that it requires.

4. Barcode Scanners: All Barcode Scanners will have a cable that has a connector at each end. Both connects can be either 5-pinned DIN (A.K.A. an AT connector) or 6 pin mini DIN (A.K.A. PS/2). The male ended cable plugs into the PC or credit card/ check reader. You may need an adapter (See Figure 1) to make the connection between the devices. The female end can be connected to a keyboard. Again, keep in mind that you may need an adapter to make the connection.



5. Programmable keyboards come with both 5 pin DIN female (AT) connectors and 6 pin mini DIN female PS/ 2) connections.