

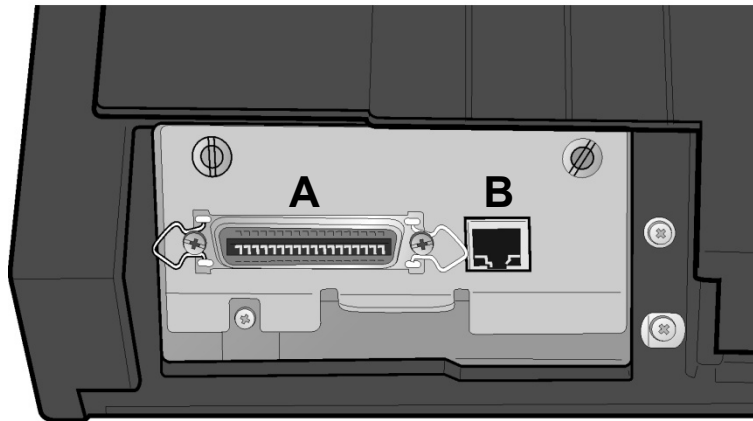
Ethernet 10/100Base-T Connection **Installation Guide**

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LAN Interface Port



The interface ports are located on the rear of the printer:

A. Parallel Interface Port

B. LAN Interface Port:

1. Ethernet 10/100Base-T Connector
2. Green 10/100Mbit/sec. Transmission Speed Led
3. Yellow Traffic Led

LED Indicators

The led indicator modes are described in the following table:

LED	Status	Description
Green Led	Lit	Transmission speed at 10Mbit/sec.
	Unlit	Transmission speed at 100Mbit/sec.
Yellow Led	Blinks	Transmitting or receiving packets from the network.
	Unlit	No transmitting or receiving packets from the network.

Installing the Controller Board

Follow the reported instruction in case of Controller Board replacement.

Handling the Controller Board

Attention: Do not remove the Controller Board from the protective package until instructed to do so. Static electricity, though harmless to you, can damage sensitive Controller Board components. Use the information in this section to avoid damaging a Controller Board.

- Limit your movement. Your movement can create static electricity that, when released to the Controller Board, can damage the electronic components on the Controller Board. Sliding your foot across carpeting is an example of how you create unwanted static electricity.
- Handle the Controller Board only by the edges and prevent others from making direct contact with it.
- Before removing the Controller Board from the protective package, ground the package to exposed metal at the back of the printer. This will release any static charge that may have developed on the package or on your body. Hold the package against the metal for at least two seconds.
- When you are instructed, remove the Controller Board and install it directly into the Controller Board slot without setting it down. If you have removed the Controller Board from the protective package and cannot immediately insert it in the printer, place the protective package on a flat surface, and set the Controller Board on top of the protective package.

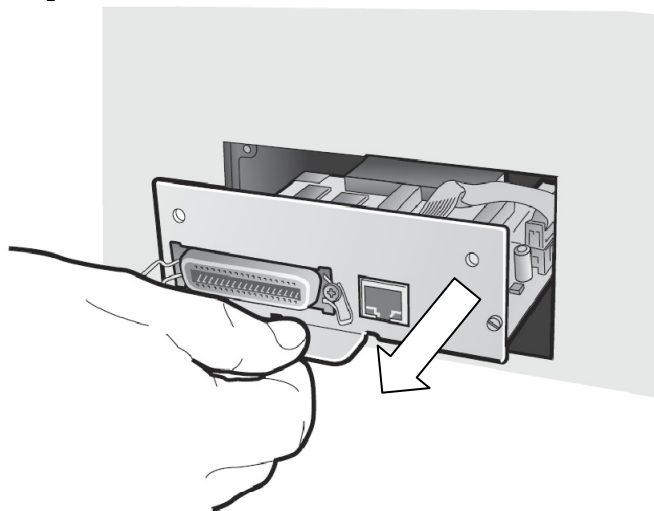
Replacing the Controller Board

Attention: Ensure that the printer is powered off before installing or removing the Controller Board. If the Controller Board is installed while the printer is powered on, the controller will not synchronize with the printer mechanism board.

Unpredictable printer behavior will result.

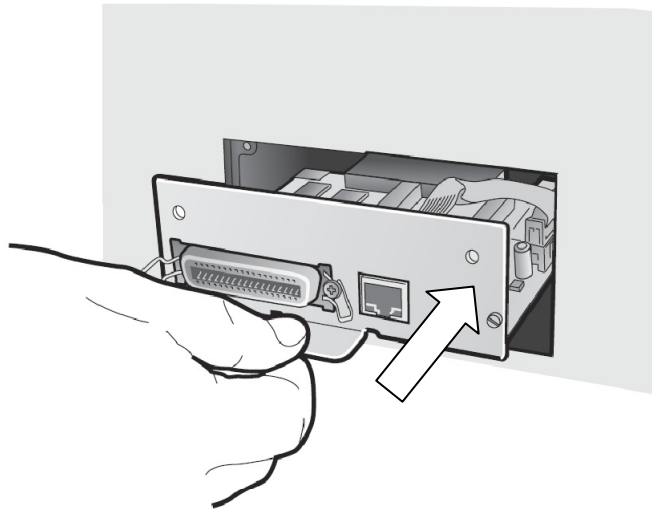
Perform the following steps to replace the Controller Board:

1. Ensure that the printer is powered off. Installing the Controller Board with the printer power on will result in unpredictable printer behavior.
2. Use the screwdriver that came in the Controller Board box to remove the existing Controller Board and pull out the card.



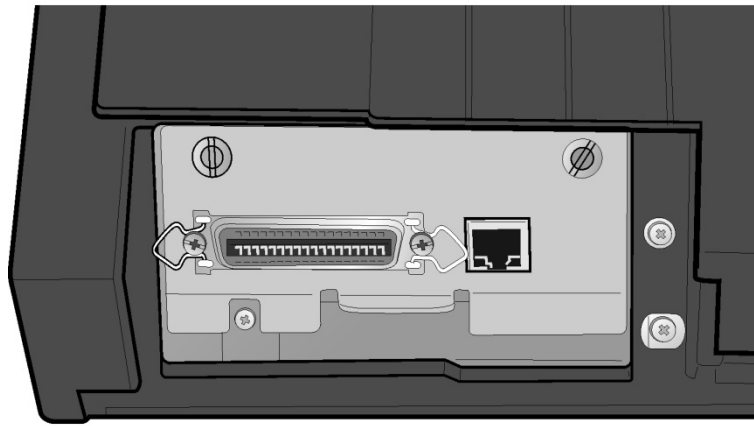
3. Use the information under “Handling the Controller Board” on the preceding page as you remove the Controller Board from its shipping box and from the protective package.

-
4. Align the left and right sides of the Controller Board with the guides in the printer and slide it into the slot.



5. Gently push the Controller Board into the printer until it is seated in the connector inside the printer. The Controller Board is correctly seated in the printer when the Controller Board metal plate is aligned with the back profile of the slot.

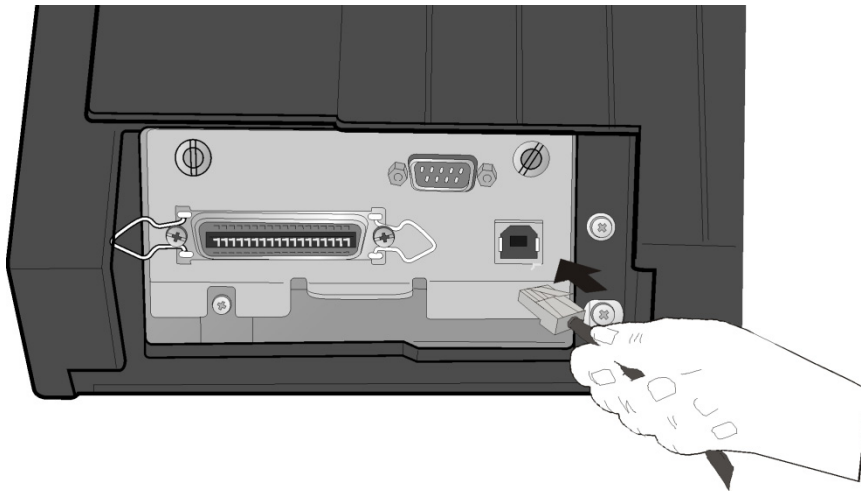
-
6. Attach the Controller Board with the two screws using the screwdriver that came in the Controller Board box.



Connecting Printer to the LAN

Make sure the power switch is in 0 position (OFF).

1. Insert the LAN cable into the Ethernet 10/100Base-T connector.

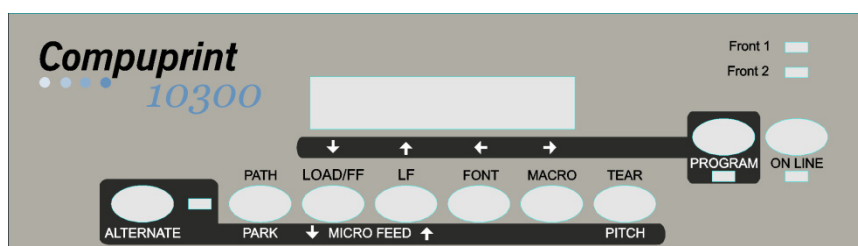


2. Insert the power cable into the printer connector and the other power cable end into a convenient outlet.
3. Press the power switch in I position (ON) to turn the printer on.

Make sure that the LAN Interface Port Green Led is lit.

Selecting LAN Interface in the Printer Setup

It is necessary to configure the printer to the LAN connection. The printer configuration is performed using the operator panel.



The functions concerning the LAN interface are selected in the printer *Power-On Configuration* setup described in the User Manual included in the *Printer Documentation & Driver* CD-ROM.

Printing Power-On Configuration Setup Page

If you want to see the current LAN interface setting, print the *Power-On Configuration* setup page as follows:

1. Make sure that the printer is turned off.
2. Press and hold the PROGRAM key pressed while powering on the printer until the RELEASE KEY message is displayed. As soon as the PROGRAM key gets released, the following message will be displayed:

PRINT OUT? NO

3. Press the → key, the following message will be displayed:

PRINT OUT? YES

4. The printout starts.

See a *Power-On Configuration* setup printout sample in the following page:

Power-On Configuration Setup Page Sample

```
- CONFIGURATION SETUP PRINTOUT -
FIRMWARE CODE: ver. 00.02 78412961
MAC ADDRESS: 00066D03852D

EMUL. OPTIONS      EMUL. EPSON      LQ
                   CHAR. SET    CS2
                   NATION       CP437
                   AUTO LF      NO
                   BAR CODE     NATIV

INTERFACE          I/F TYPE      AUTO

PARALL INTERFACE   1284 BIDIR.      I/F
                   SELECT-IN    HOST
                   DATA BITS    8
                   INPUT BUFFER  2K

LAN INTERFACE      IP ASSIGN        FIXED
                   INIT IP ADDRESS 010.000.200.044
                   INIT NET MASK   255.255.000.000
                   DEF. GATEWAY ID  010.000.255.240
                   INIT HOST NAME   CMP_03852D
                   INIT WORKGROUP   Compuprint
                   SMTP ENABL.      YES
                   MAIL SERV.ADDRES 010.000.254.252
                   EMAIL ADDRESS    admin@sferalwwt.com
                   SENDER ADDRESS    9065@sferalwwt.com

FUNCTIONS          BUZZER          YES
                   SEQUENCE        NONE
                   RIBBON          BLACK
                   BAR CODE        1200 DPI
                   TEXT DIRECT     BI
                   GRAPH DIRECT    BI
                   BARCODES DIR.   UNI
                   GRAPH H.S.      YES
                   P.ON PATH       MACRO
                   MENU            ENGLISH
                   TEAR ADJUST     0
```

Configuring the LAN Interface Through the Printer Operator Panel

1. Press the PROGRAM key while powering the printer on, and keep the key pressed until the RELEASE KEY message is displayed.
2. Press the ↓ key until you find the LAN INTERFACE item, and set the following parameters:
 - INIT IP ADDRESS
 - INIT NET MASK
 - DEF. GATEWAY ID

Contact your system administrator for the correct values.

Windows Environment

In the Local Area Network printing environment, the PCs can share a printer, that is, different users can use the same printer.

Software installation must be carried out on every PC requiring access to the Compuprint printer. For the communication between the PCs and the Compuprint printer is necessary that the same LAN protocol is used for all connected devices: the TCP/IP or the NetBEUI protocol in a Windows environment

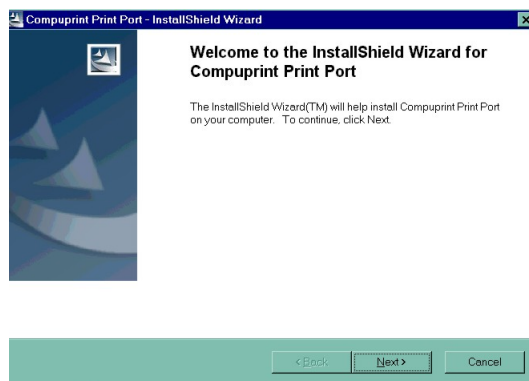
Software Installation & Configuration in Windows 98 Environment

Port Installation

Check that the Printer is powered on and the Green Power led of the LAN Interface Port is lit.

Insert the CD-ROM labeled *Compuprint Ethernet LAN*.

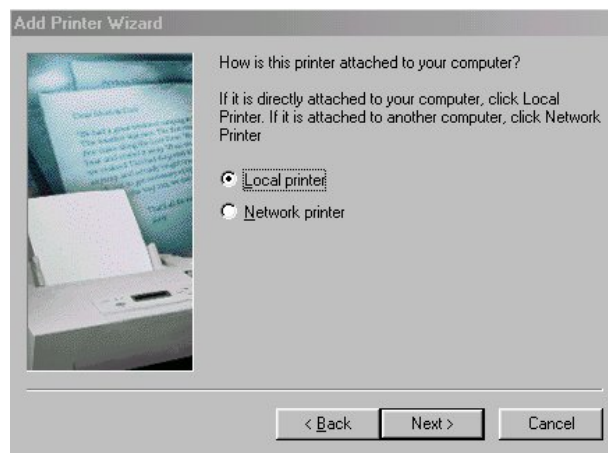
1. Run the “Compuprint PP” program from the Drivers\Microsoft\Print Port directory. The *Compuprint Print Port Install Shield Wizard* screen appears:



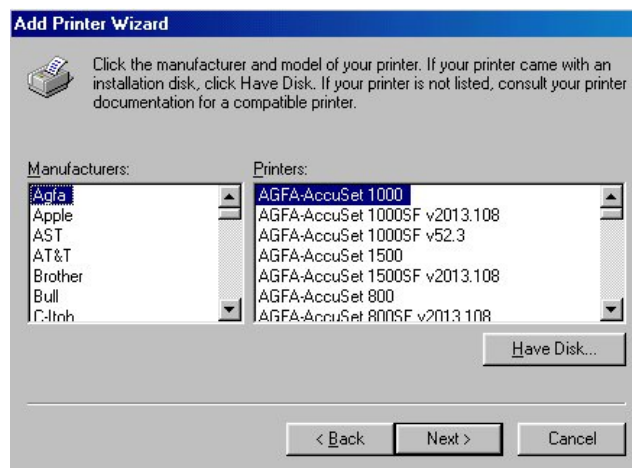
2. Follow the *Compuprint Print Port Setup* program instructions. This program installs the Compuprint print port.

TCP/IP Protocol - Printer Installation

1. Go to “Start-Settings-Printers” on your PC.
2. Invoke the “Add Printer Wizard”. Click *Next* button. The following screen appears:



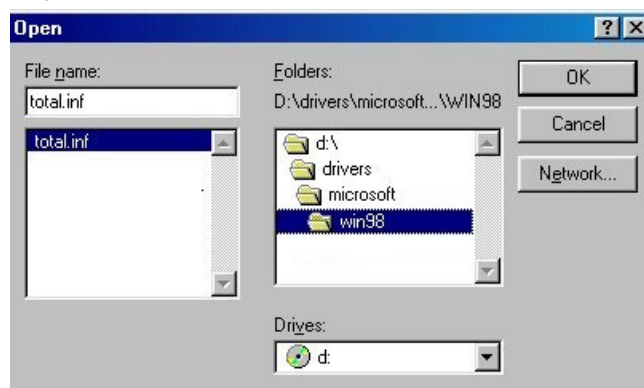
3. Select “Local printer” and click *Next* button. You will see the “Printers” list option.



-
4. If the printer is not listed and the printer comes with the installation disk. Click *Have Disk* button. The “Install From Disk” screen appears:



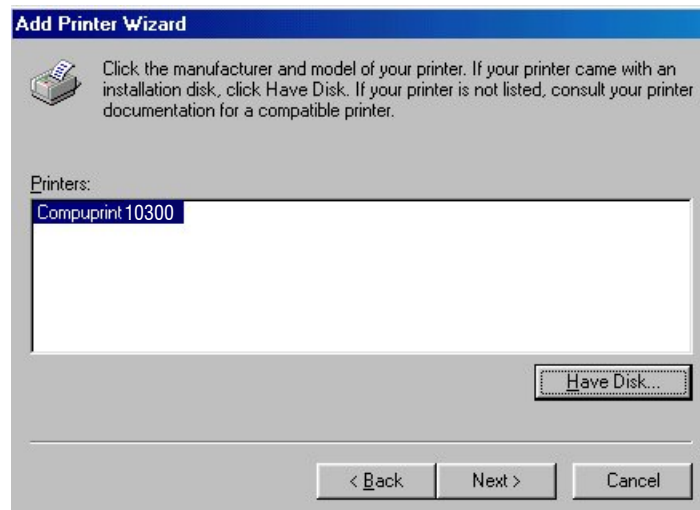
5. Insert the CD-ROM labeled *Compuprint Ethernet LAN* into the drive. Click *Browse* button. The “Open” screen appears. Go to the `\drivers\microsoft\win98` folders and select the *total.inf* file.



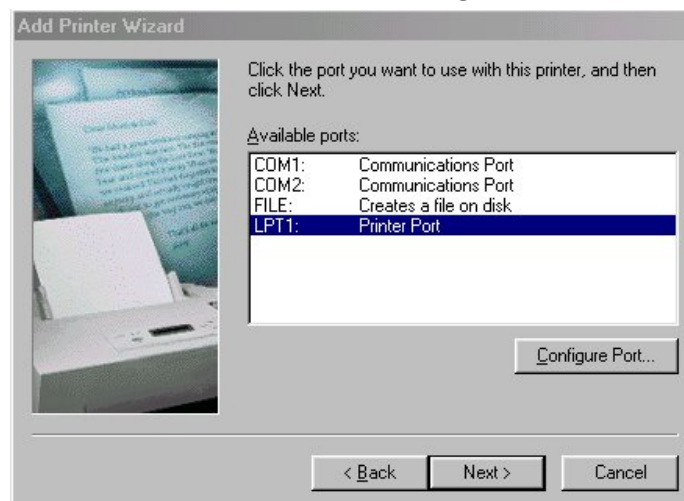
6. Click *OK* button. The following screen appears:



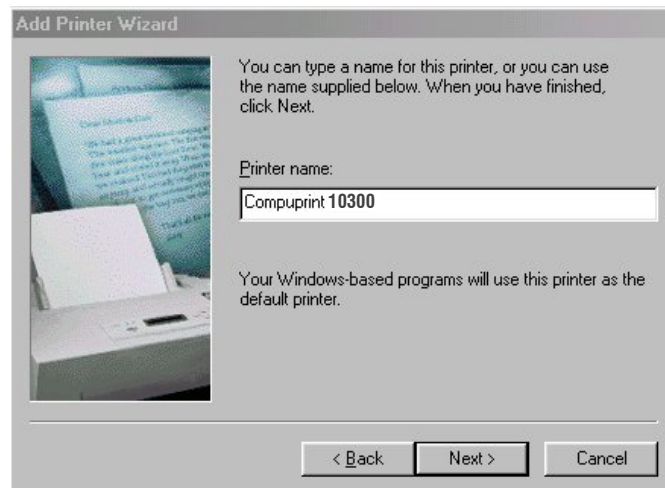
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7. Click *OK* button. Select your Compuprint model printer (9065, 9080, 9300, 10300).



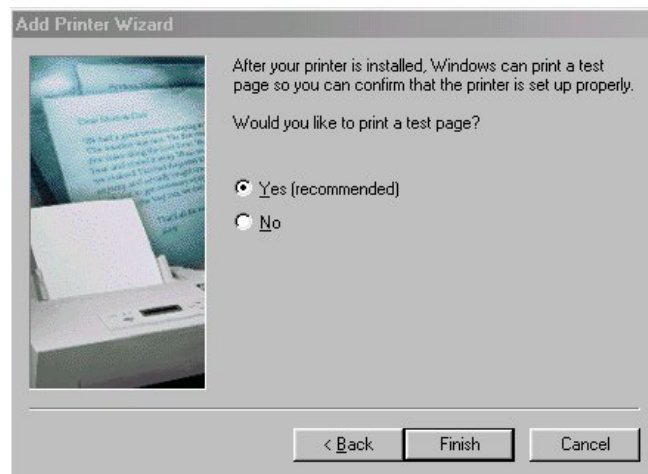
8. Click *Next* button. Click the “LPT1” port to use with this printer and then click *Next* button again.



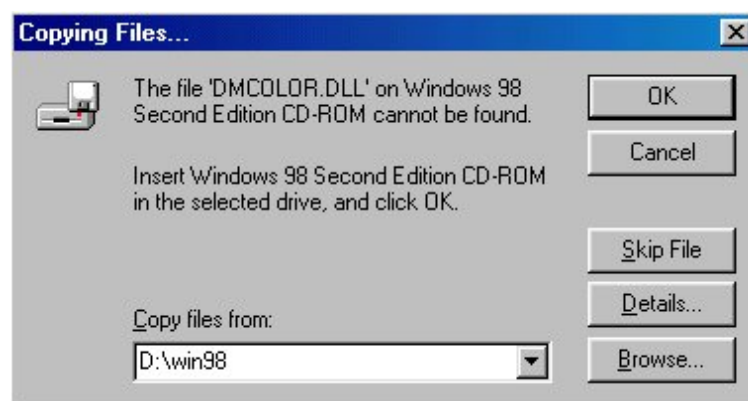
-
9. Type the name for this printer in the “Printer Name” screen. Click *Next* button.



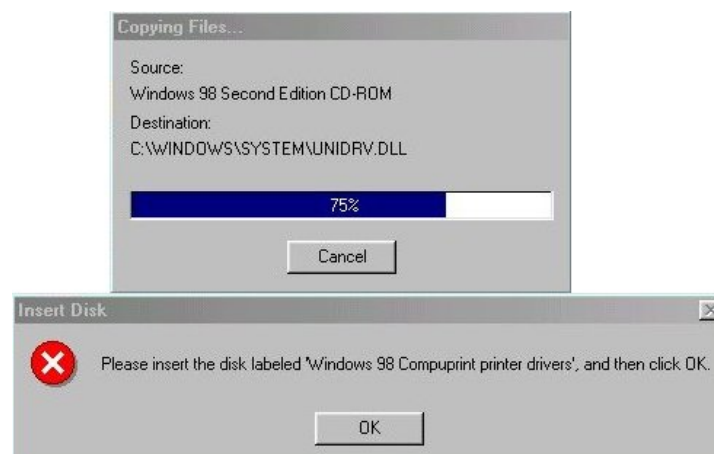
10. The “Print Test Page” screen appears. If you want to print the test page, select *Yes*, then click *Finish* button to end the procedure.



If there are not installed Windows 98 files useful to continue this procedure in your PC, the following screen appears:



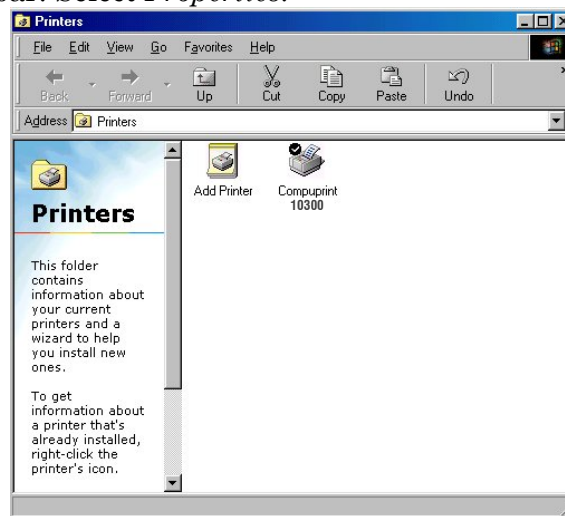
Insert the CD-ROM labeled *Windows 98 Second Edition* into the drive. Click *OK* button to copy the files. When the files are copied, insert the CD-ROM labeled *Compuprint Ethernet LAN* and click *OK* button.



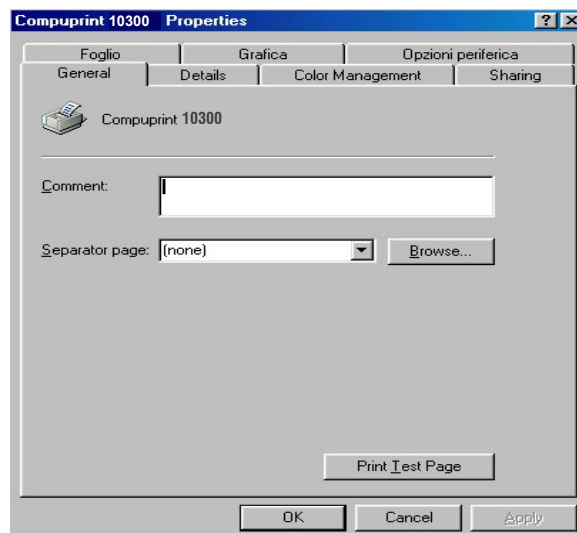
TCP/IP Protocol - Port Configuration

Now configure the port to be connected to the printer.

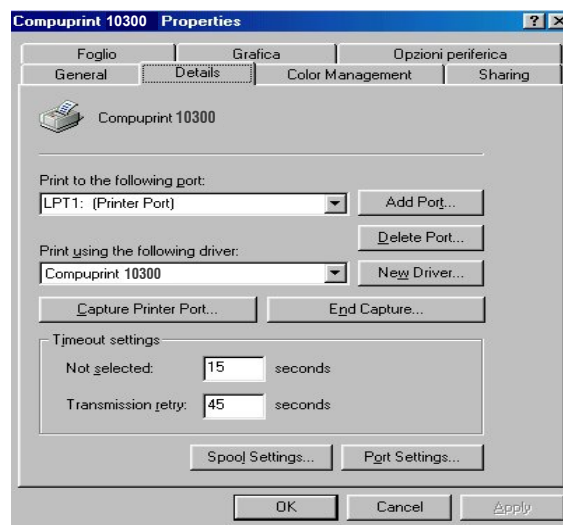
1. Check in “Printers” window if your Compuprint printer is installed (“Compuprint 10300” in the example). Click on “Compuprint 10300” icon, then click on *File* selection on the menu bar. Select *Properties*.



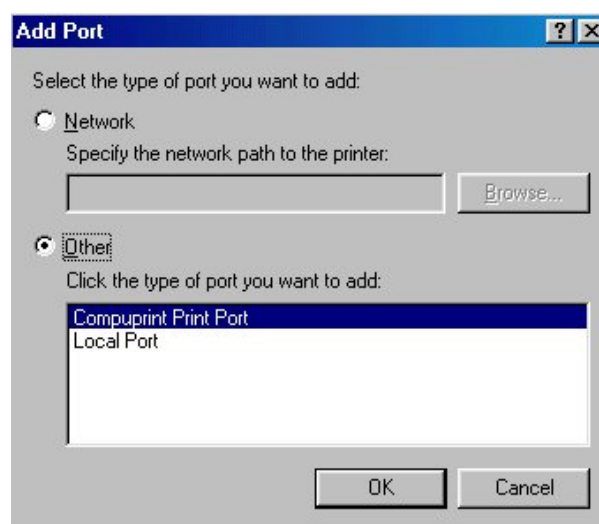
2. The Compuprint printer properties screen appears:



-
3. Click *Details* button. In the screen that appears you can select the port to be connected to the printer. Click *Add Port* button.



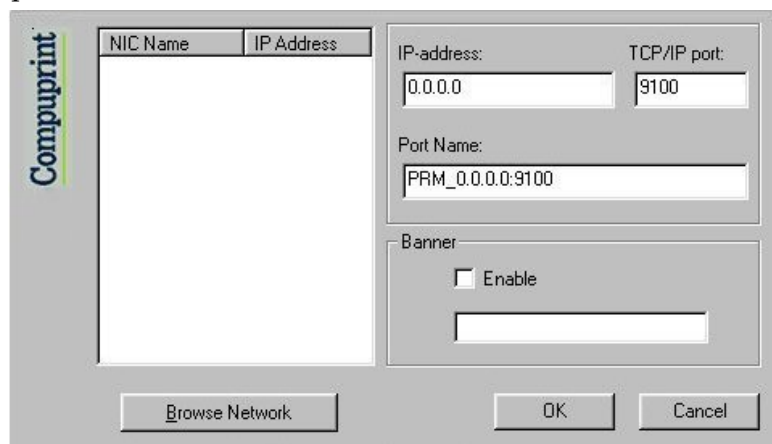
4. The "Add Port" screen appears. Click "Other" selection. Select "Compuprint Print Port" as the port to use. Click *OK* button.



-
5. Select “Compuprint Port 9100”. Click *OK* button to confirm.



6. In the “Port 9100 settings” screen you can configure this port.

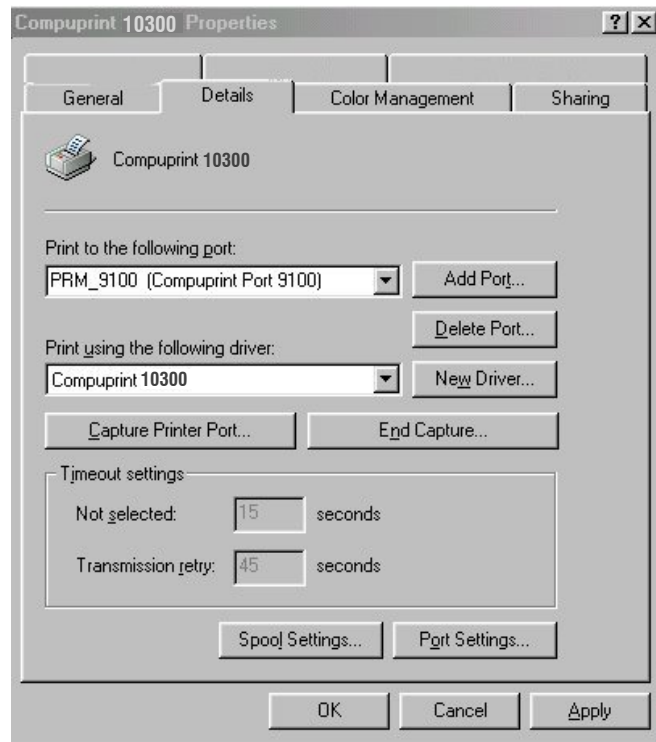


To specify the *IP-address* see the values set in the *INIT IP ADDRESS* parameter of the *LAN INTERFACE* item in the *Power-On Configuration* setup you find in the User Manual included in the *Printer Documentation & Drivers* CD-ROM.

Then enter a Port Name in the *Port Name* field. Click *OK* button to confirm.

If you want to set the default network IP-address and Port Name values, click *Browse Network* button.

-
7. Click *Apply* button and then *OK* button to confirm.



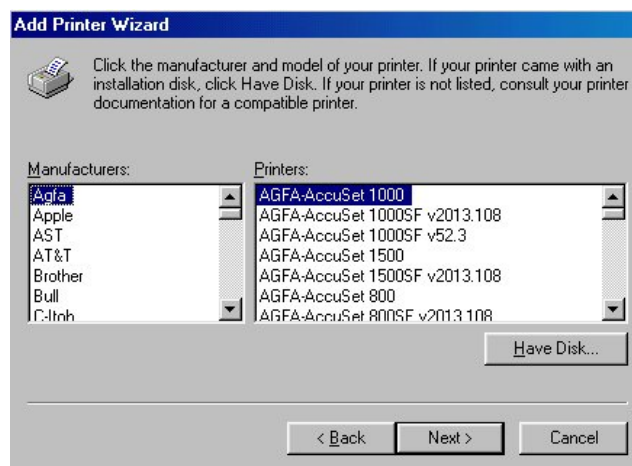
Port configuration is now complete.

NetBEUI Protocol - Printer Installation

1. Go to “Start-Settings-Printers” on you PC.
2. Invoke the “Add Printer Wizard”. Click *Next* button. The following screen appears:



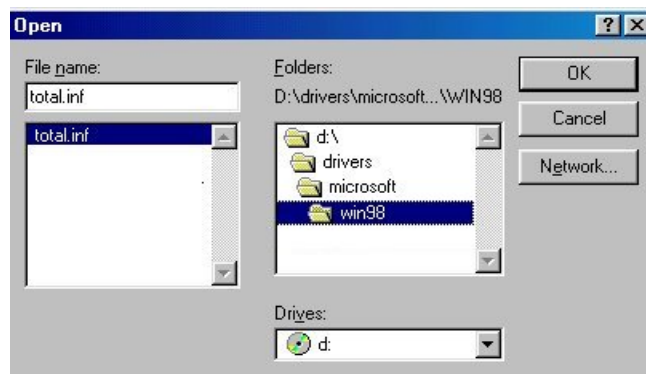
3. Select “Local printer” and click *Next* button. You will see the “Printers” list option.



-
4. If the printer is not listed and the printer comes with the installation disk. Click *Have Disk* button. The “Install From Disk” screen appears:



5. Insert the CD-ROM labeled *Compuprint Ethernet LAN* into the drive. Click *Browse* button. The “Open” screen appears. Go to the `\drivers\microsoft\win98` folders and select the *total.inf* file.



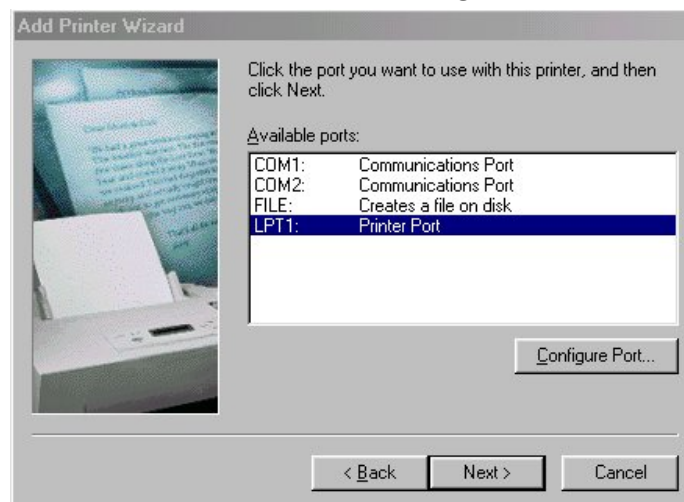
6. Click *OK* button. The following screen appears:



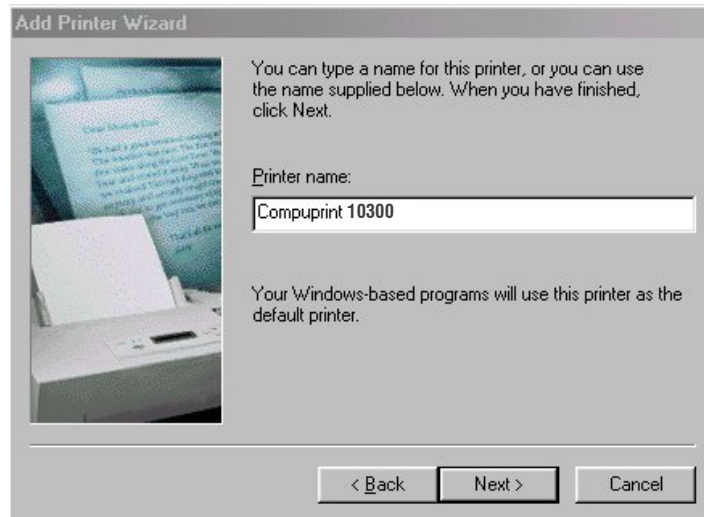
-
7. Click *OK* button. Select your Compuprint model printer (9065, 9080, 9300, 10300).



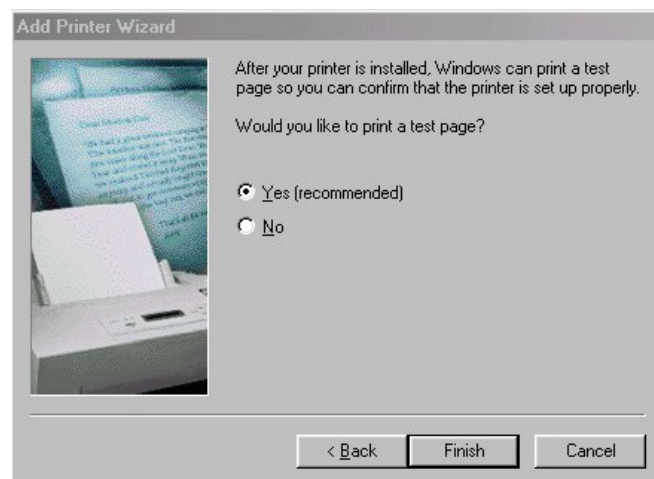
8. Click *Next* button. Click the “LPT1” port to use with this printer and then click *Next* button again.



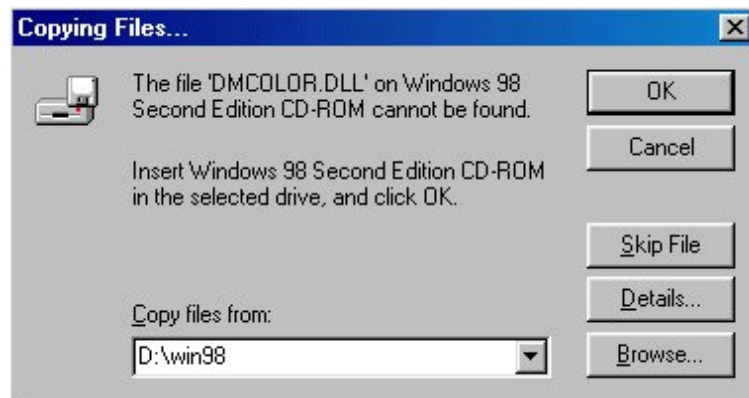
-
9. Type the name for this printer in the *Printer Name* field.
Click *Next* button.



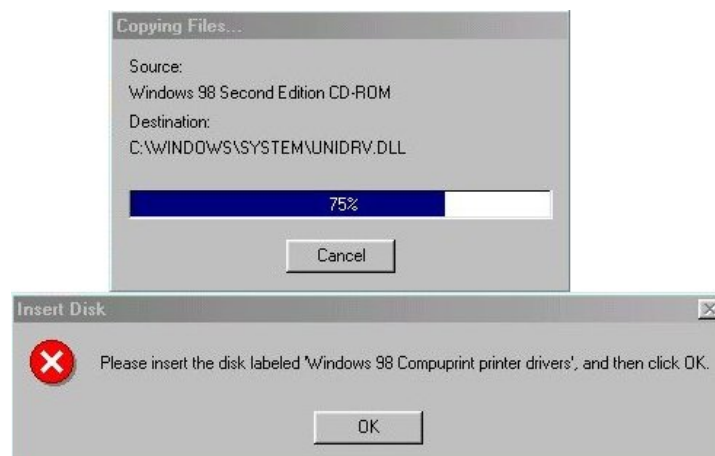
10. The “Print Test Page” screen appears. If you want to print the test page, click *Yes*, then click *Finish* button to end the procedure.



If there are not installed Windows 98 files useful to continue this procedure in your PC, the following screen appears:



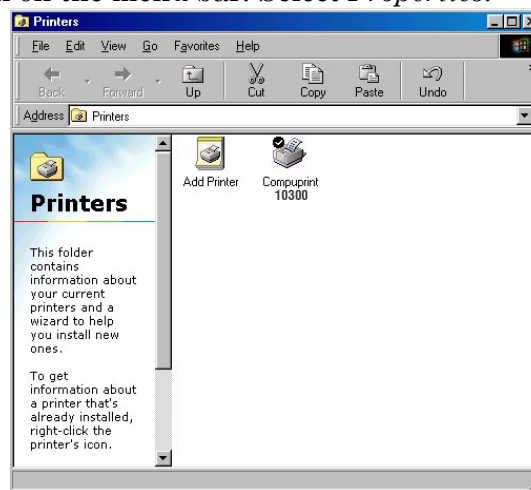
Insert the CD-ROM labeled *Windows 98 Second Edition* into the drive. Click *OK* button to copy the files. When the files are copied, insert the CD-ROM labeled *Compuprint Ethernet LAN* and click *OK* button.



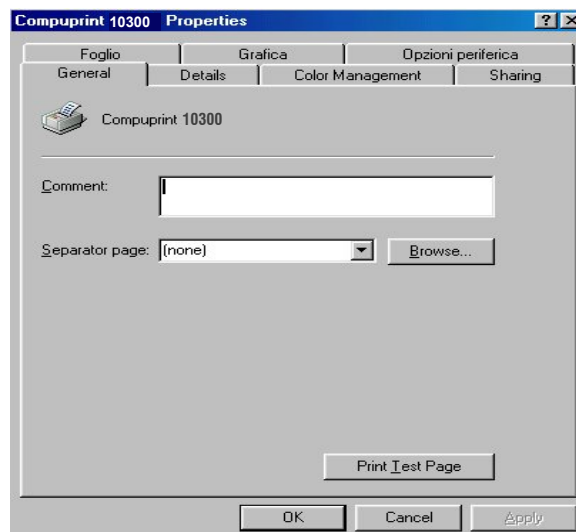
NetBEUI Protocol - Port Configuration

Now configure the port to be connected to the printer.

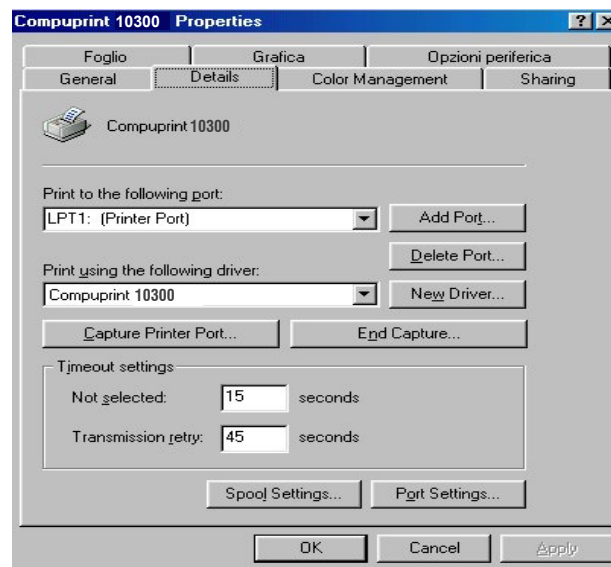
1. Check in “Printers” window if your Compuprint printer is installed (in the example, the “Compuprint 10300” printer). Click on “Compuprint 10300” icon , then click on *File* selection on the menu bar. Select *Properties*.



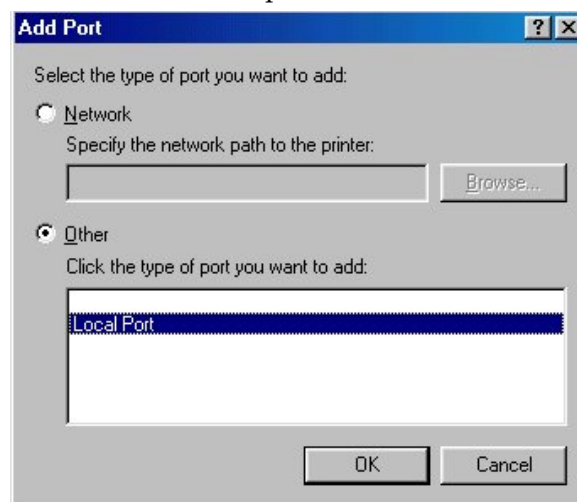
2. The “Compuprint 10300 Properties” screen appears.



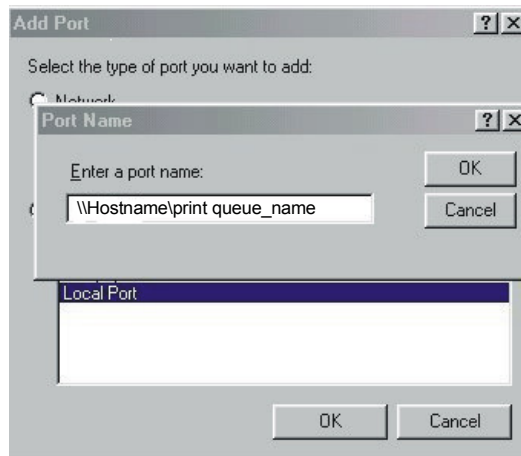
-
3. Click *Details* button. In the screen that appears you can select the port to be connected to the printer. Click *Add Port* button.



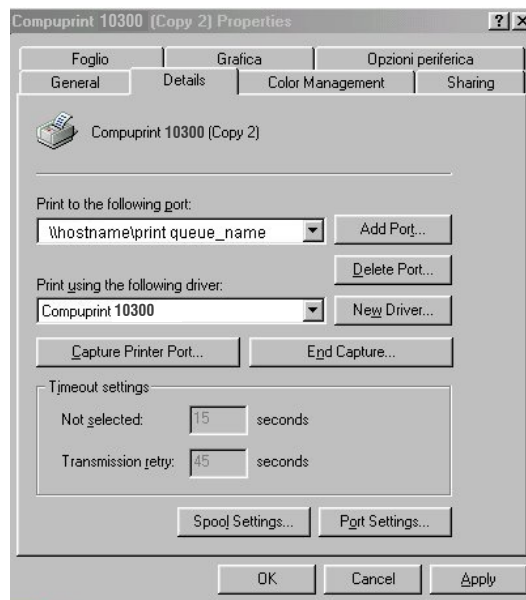
4. The "Add Port" screen appears. Click "Other" selection. Select "Local Port" as the port to use. Click *OK* button.



-
5. The “Port name” screen appears. Enter a port name in the *Port Name* field (the *port name* must be present in the local network as *hostname*, the print queue as *prt1*). Click *OK* button to confirm.



6. Click *Apply* button and then *OK* button to confirm.

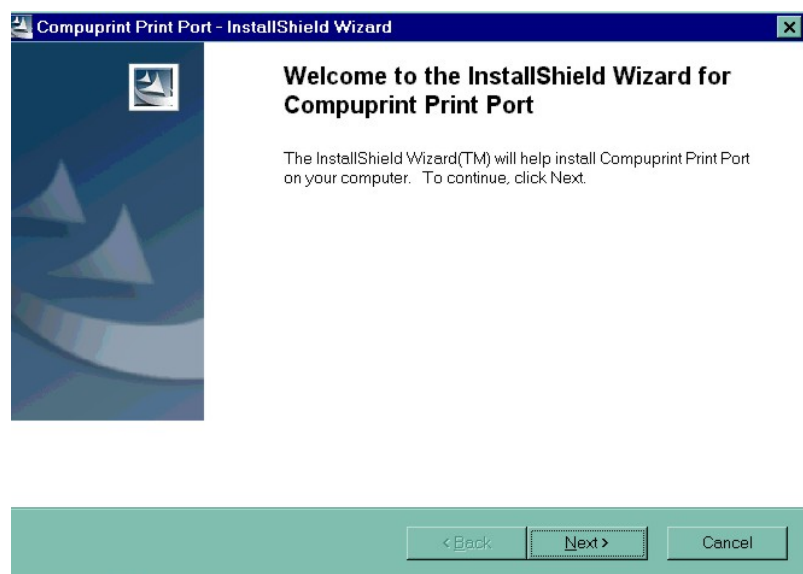


Port configuration is now complete.

Software Installation & Configuration in Windows 2000 Environment

Port Installation

- Check that the Printer is powered on and the Green Power led of the LAN Interface Port is lit.
- Insert the CD-ROM labeled *Compuprint Ethernet LAN*.
 1. Run the “Compuprint PP” program from the drivers\microsoft\Print Port directory. The *Compuprint Print Port Install Shield Wizard* screen appears:



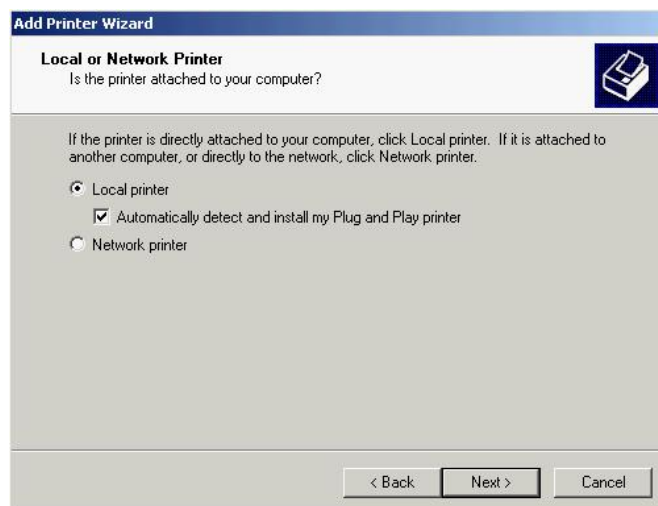
2. Follow the *Compuprint Print Port Setup* program instructions. This program installs the Compuprint print port.

TCP/IP Protocol - Port Configuration

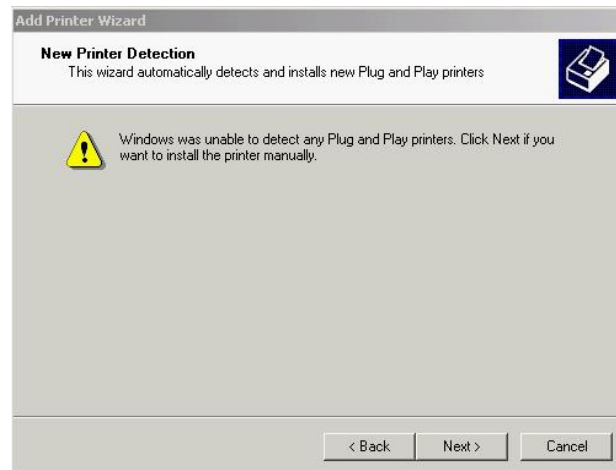
1. Go to “Start-Settings-Printers” on you PC.
2. Invoke the “Add Printer Wizard”. The following screen is prompted. Click *Next* button.



3. The “Local or Network Printer” screen appears, select “Local printer”.

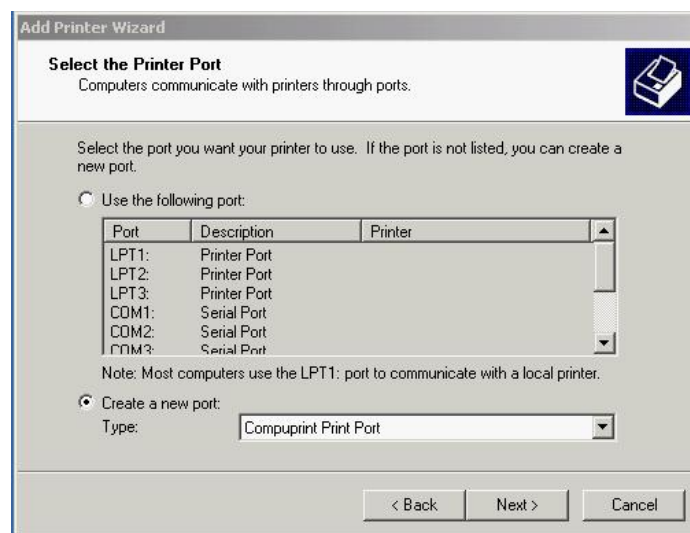


-
4. Click *Next* button and the following screen appears:



Now the wizard detects and installs the new Plug and Play printers if you want to install the printer manually, click *Next* button.

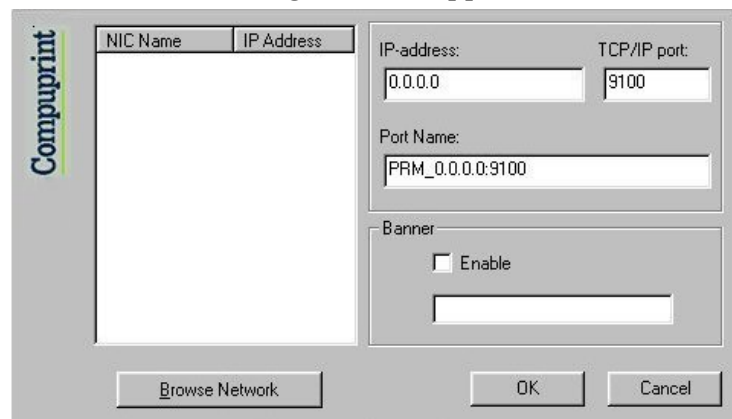
5. In the “Select the Printer Port” screen, click on *Create a new port* field to select “Compuprint Print Port” as the port to use.



-
6. Click *Next* button. The “Add New Port” screen appears. Select “Compuprint Port 9100”. Click *OK* button.



7. The “Port 9100 Settings” screen appears:



To specify the *IP-address*, see the values set in the `INIT IP ADDRESS` parameter of the `LAN INTERFACE` item in the *Power-On Configuration* setup you find in the User Manual included in the *Documentation & Drivers* CD-ROM.

Then enter a Port Name in the *Port Name* field. Click *OK* button to confirm.

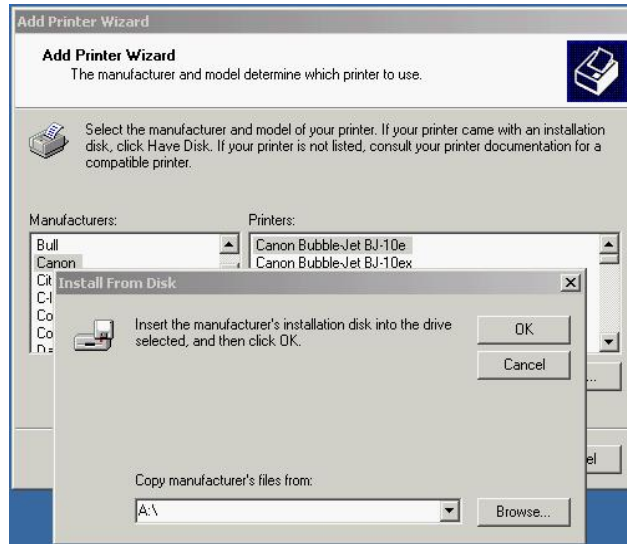
If you want to set the default network IP-address and Port Name values, click *Browse Network* button.

Port configuration is now complete.

TCP/IP Protocol - Printer Installation

Now to install the Compuprint printer to be connected to the new port, click the *OK* button of the “Port 9100 Settings” screen.

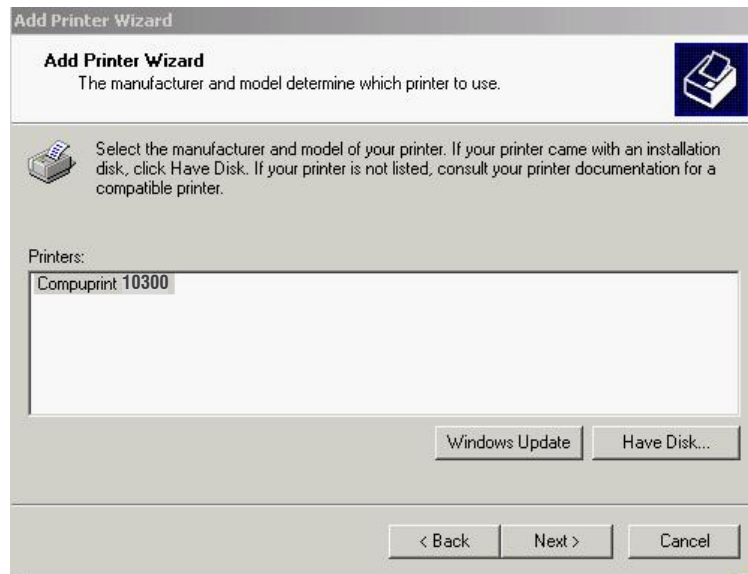
1. You will see the “Printers” list option. If the printer is not listed and the printer comes with the installation disk. Click *Have Disk* button. The “Install From Disk” screen appears:



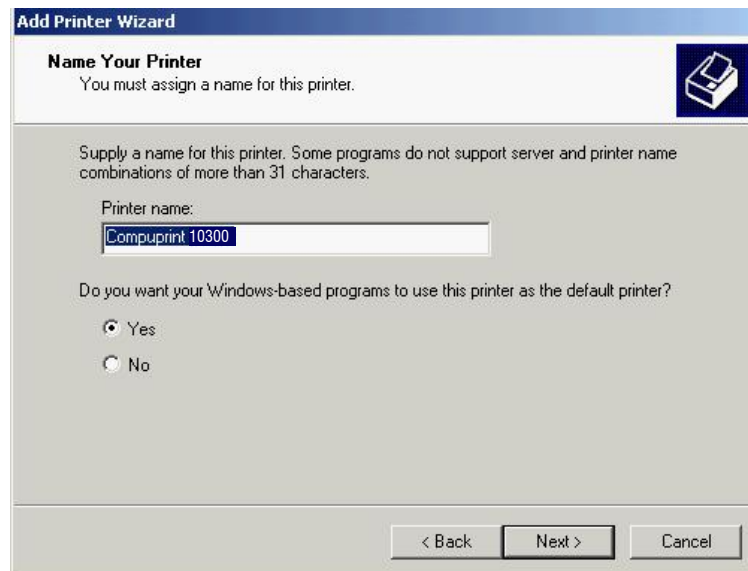
2. Insert the CD-ROM *Compuprint Ethernet LAN* into the drive. Copy the files from the `\drivers\microsoft\Win2000` folders and select the *compprint.inf* file.



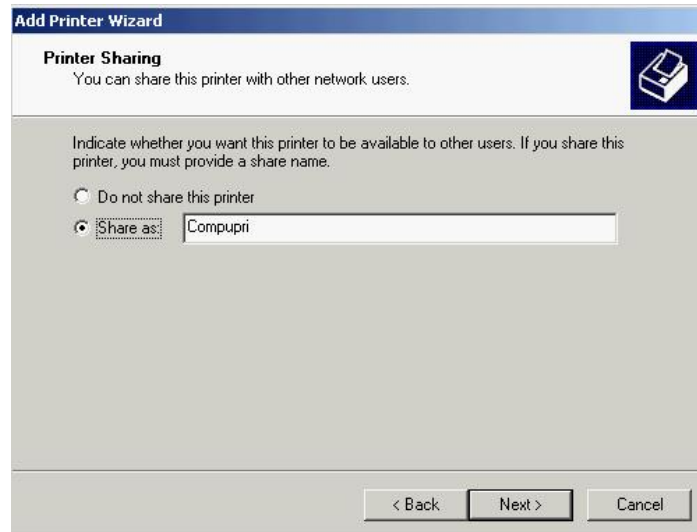
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3. Click *OK* button. Select your Compuprint model printer (9065, 9080, 9300, 10300).



4. Assign a name for your printer (e.g. *Compuprint 10300*).

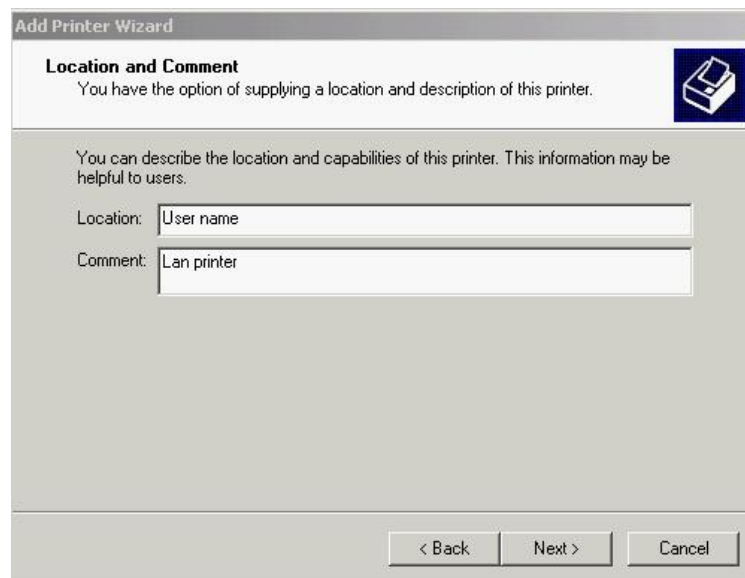


-
5. To share this printer with the other users, provide a share name.



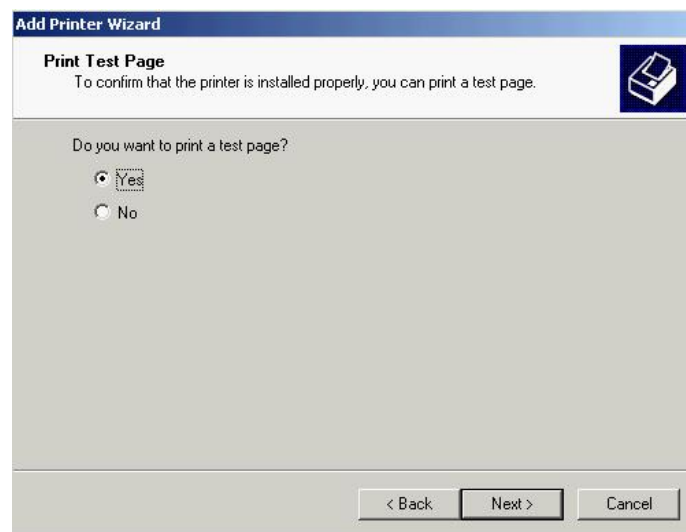
The screenshot shows the 'Add Printer Wizard' window, specifically the 'Printer Sharing' step. The title bar reads 'Add Printer Wizard'. Below the title bar, the section is titled 'Printer Sharing' with a subtext: 'You can share this printer with other network users.' To the right of the text is a printer icon. The main area contains the instruction: 'Indicate whether you want this printer to be available to other users. If you share this printer, you must provide a share name.' There are two radio buttons: 'Do not share this printer' (unselected) and 'Share as:' (selected). Next to the 'Share as:' radio button is a text box containing the text 'Compupri'. At the bottom of the window are three buttons: '< Back', 'Next >', and 'Cancel'.

6. Click *Next* button. The “Location and Comment” screen appears. Write the *Location* and the *Comment* you desire.



The screenshot shows the 'Add Printer Wizard' window, specifically the 'Location and Comment' step. The title bar reads 'Add Printer Wizard'. Below the title bar, the section is titled 'Location and Comment' with a subtext: 'You have the option of supplying a location and description of this printer.' To the right of the text is a printer icon. The main area contains the instruction: 'You can describe the location and capabilities of this printer. This information may be helpful to users.' There are two text boxes: 'Location:' with the text 'User name' and 'Comment:' with the text 'Lan printer'. At the bottom of the window are three buttons: '< Back', 'Next >', and 'Cancel'.

-
7. Click *Next* button. The “Print Test Page” screen appears. If you want to see the final printer setting configuration, click “Yes”.



8. This is the Test Page:



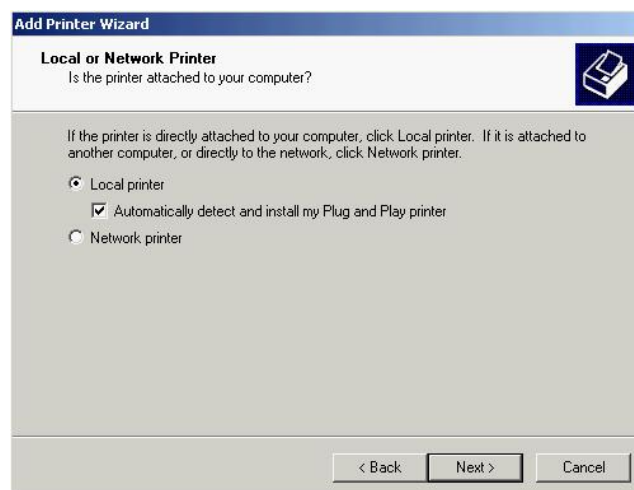
9. Click *Finish* button to end the printer installation procedure.

NetBEUI Protocol - Port Configuration

1. Go to “Start-Settings-Printers” on you PC.
2. Invoke the “Add Printer Wizard”. The following screen is prompted. Click *Next* button.



3. The “Local or Network Printer” screen appears, select “Local printer”.

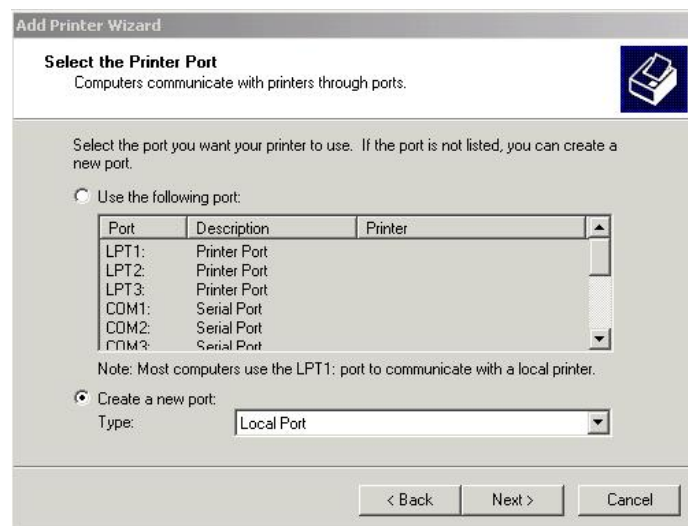


-
4. Click *Next* button and the following screen appears:

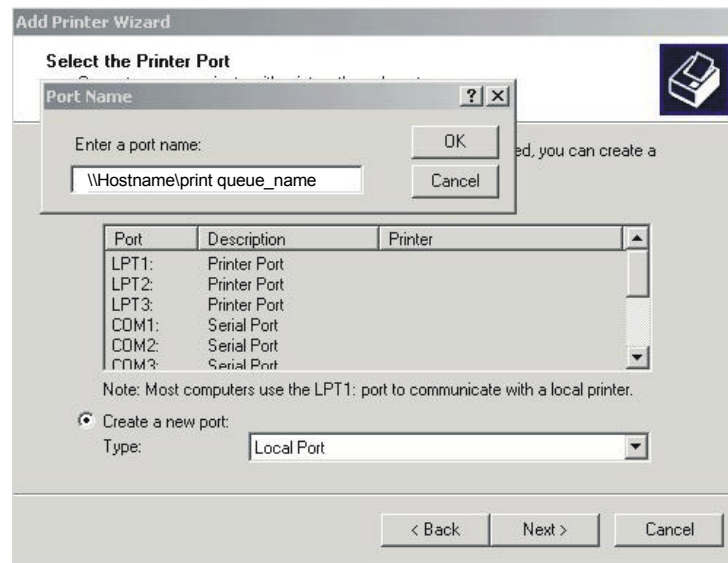


Now the wizard detects and installs the new Plug and Play printers if you want to install the printer manually, click *Next* button.

5. In the “Select the Printer Port” screen, click on *Create a new port* to select “Local Port” as the port to use.



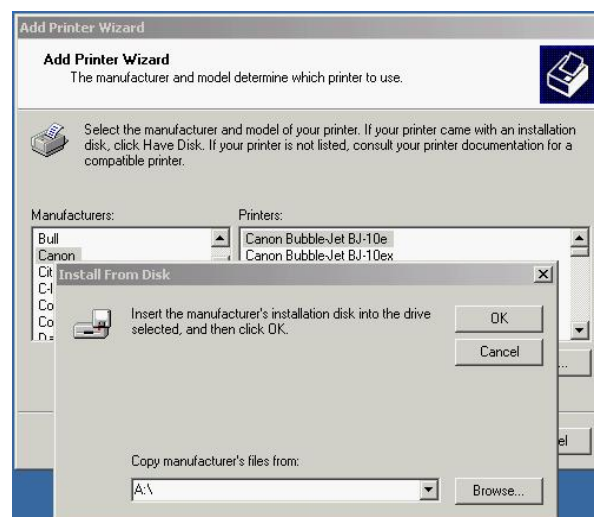
-
6. The “Port name” screen appears. Enter a port name in the *Port Name* field (the *port name* must be present in the local network as *hostname*, the print queue as *prt1*). Click *OK* button to confirm.



NetBEUI Protocol - Printer Installation

Now to install the Compuprint printer to be connected to this new port, click on *Next* button of the “Port Name” screen.

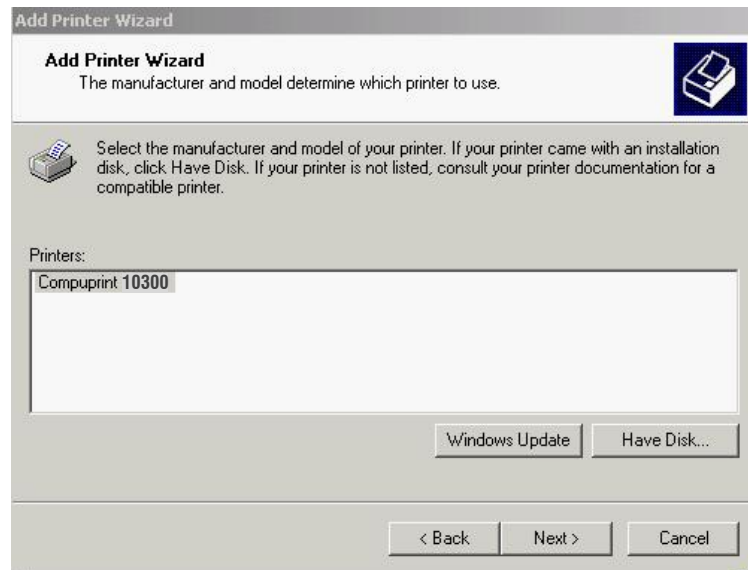
1. You will see “Add Printer Wizard” screen. If the printer is not listed and the printer comes with the installation disk. Click *Have Disk* button. The “Install From Disk” screen appears.



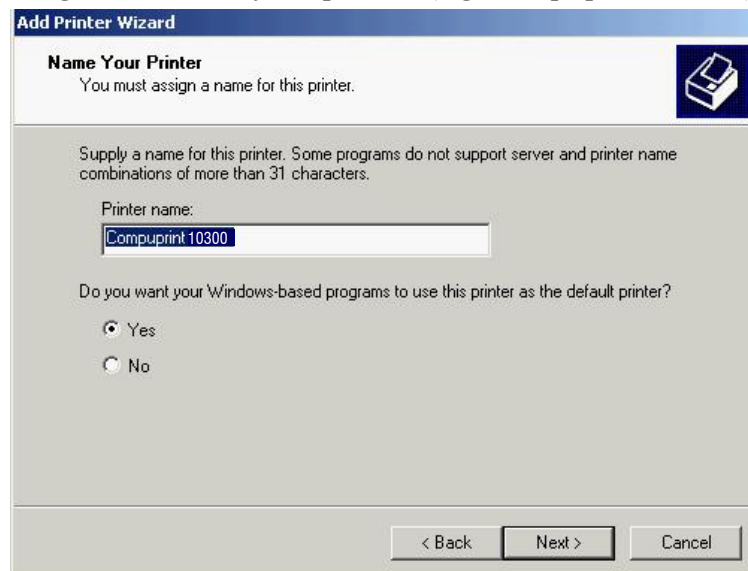
2. Insert the CD-ROM *Compuprint Ethernet LAN* into the drive. Copy the files from the `\drivers\microsoft\Win2000` folders and select the *compprint.inf* file name.



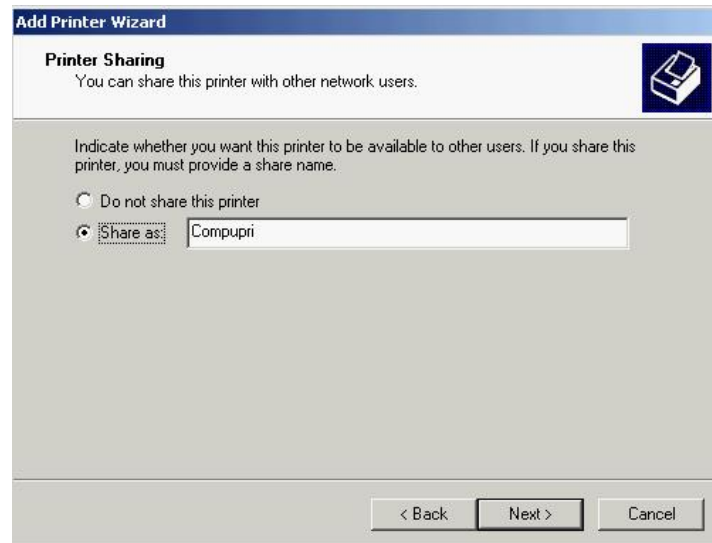
-
3. Click *OK* button. Select your Compuprint model printer (9065, 9080, 9300, 10300).



4. Assign a name for your printer (e.g. *Compuprint 10300*).

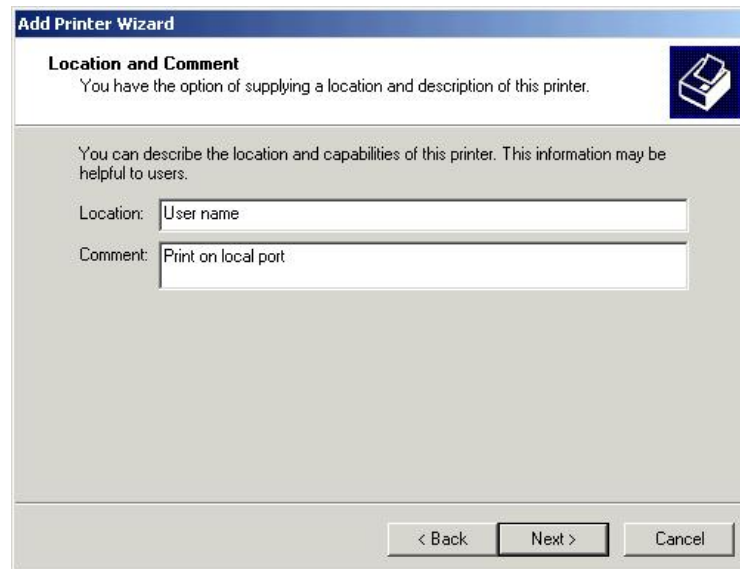


-
5. To share this printer with the other users, provide a share name.



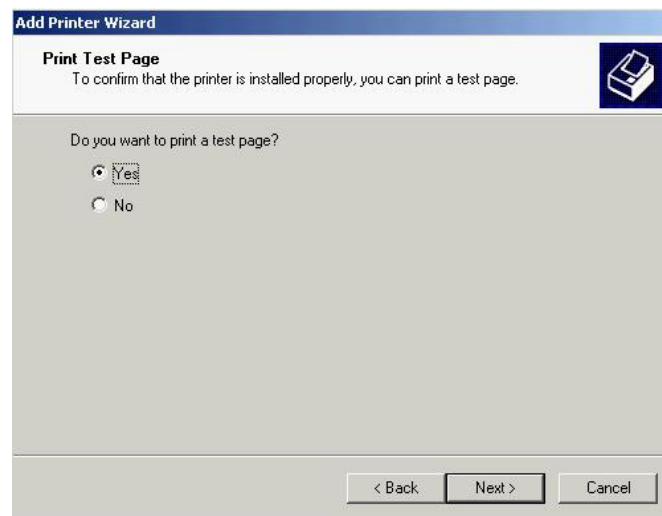
The screenshot shows the 'Add Printer Wizard' window, specifically the 'Printer Sharing' step. The title bar reads 'Add Printer Wizard'. Below the title bar, the section is titled 'Printer Sharing' with a subtext: 'You can share this printer with other network users.' To the right of the text is a printer icon. The main area contains the instruction: 'Indicate whether you want this printer to be available to other users. If you share this printer, you must provide a share name.' There are two radio buttons: 'Do not share this printer' (which is unselected) and 'Share as:' (which is selected). Next to the 'Share as:' radio button is a text box containing the text 'Compupri'. At the bottom of the window are three buttons: '< Back', 'Next >', and 'Cancel'.

6. Click *Next* button. The “Location and Comment” screen appears. Write the *Location* and the *Comment* you desire.



The screenshot shows the 'Add Printer Wizard' window, specifically the 'Location and Comment' step. The title bar reads 'Add Printer Wizard'. Below the title bar, the section is titled 'Location and Comment' with a subtext: 'You have the option of supplying a location and description of this printer.' To the right of the text is a printer icon. The main area contains the instruction: 'You can describe the location and capabilities of this printer. This information may be helpful to users.' There are two text boxes: 'Location:' with the text 'User name' and 'Comment:' with the text 'Print on local port'. At the bottom of the window are three buttons: '< Back', 'Next >', and 'Cancel'.

-
7. Click *Next* button. The “Print Test Page” screen appears. If you want to see the final printer setting configuration, click “Yes”.



8. This is the Test Page:



9. Click *Finish* button to end the printer installation procedure.

UNIX Environment

To configure the printer in Unix environment, you have to run the “cmpwizard.sh” script from the drivers\unix directory included in this CD-ROM , except for Linux 7.x and Solaris 7.x operating systems described later in this section.

Port Installation & Configuration

Check that the Printer is powered on and the Green Power led of the LAN Interface Port is lit.

It is necessary to be SUPER USER.

Insert the *Compuprint Ethernet LAN* CD-ROM.

1. From the shell bush, run the “cmpwizard.sh” script from the drivers\unix directory included in the CD-ROM labeled *Compuprint Ethernet LAN*. See the following screen:

[illegible]

2. Select the operating system (n.7).

```

CA Command Prompt - telnet loki
-----
Printer installation wizard < cmpinstall 1.0.0 Beta >

DATE : mar mag 22 10:17:15 CEST 2001

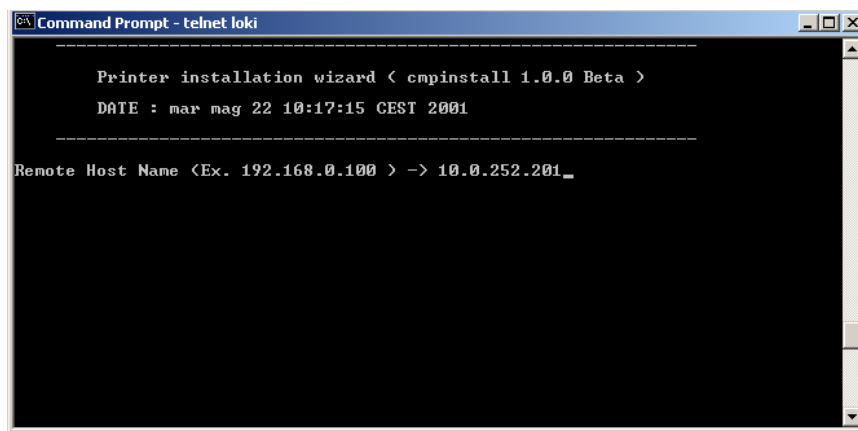
-----
1. SCO 5.0 < SunOS SYS U, Solaris 2.x >
2. AIX
3. Dec ULTRIX < Digital Equipment >
4. HP UX <HP 9000>
5. DEC OSF/1
6. FreeBSD < Generic BSD >
7. Linux < Only BSD LPD. Not Cups >

0. Exit

-----
Select [0-9] : 7_

```

-
3. Add the *IP address*. This address must match the IP address selected in the INIT IP ADDRESS parameter of the LAN INTERFACE item in the *Power-On Configuration* setup you find in the User Manual included in the *Printer Documentation & Driver CD-ROM*.

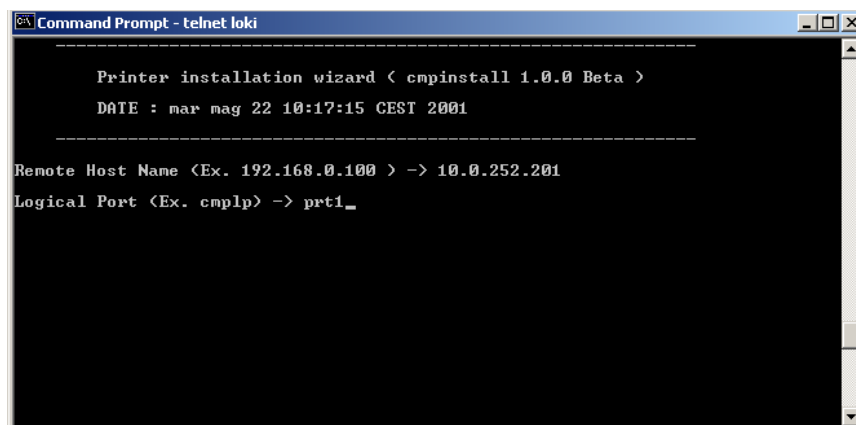


```
Command Prompt - telnet loki

Printer installation wizard < cmpinstall 1.0.0 Beta >
DATE : mar mag 22 10:17:15 CEST 2001

Remote Host Name <Ex. 192.168.0.100 > -> 10.0.252.201_
```

4. Enter the *Logical Port Name*. The Logical Port Name is “prt1”.

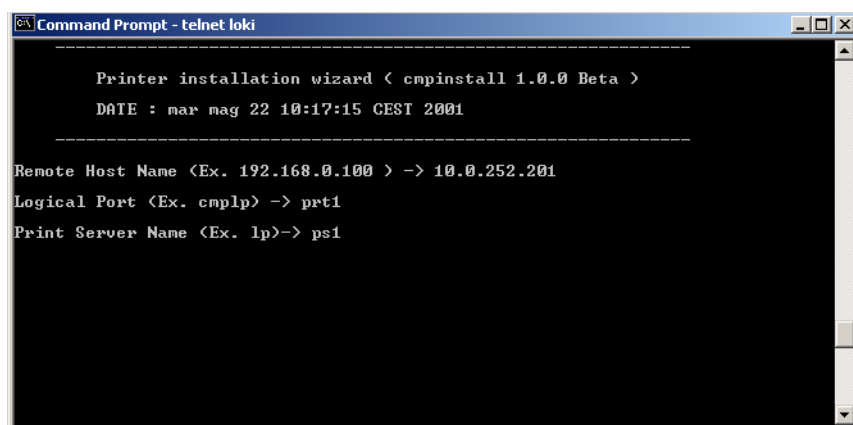


```
Command Prompt - telnet loki

Printer installation wizard < cmpinstall 1.0.0 Beta >
DATE : mar mag 22 10:17:15 CEST 2001

Remote Host Name <Ex. 192.168.0.100 > -> 10.0.252.201
Logical Port <Ex. cmplp> -> prt1_
```

-
5. Enter the Print Server Name. The printer server name is “ps1”.



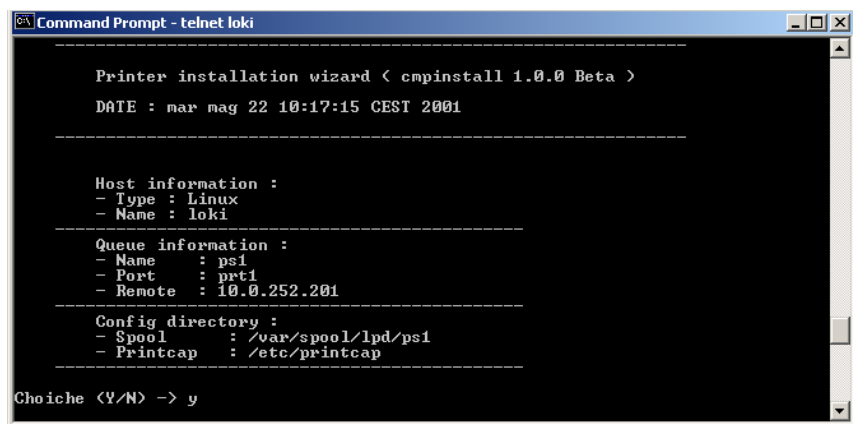
```
Command Prompt - telnet loki

Printer installation wizard < cmpinstall 1.0.0 Beta >
DATE : mar mag 22 10:17:15 CEST 2001

-----

Remote Host Name <Ex. 192.168.0.100 > -> 10.0.252.201
Logical Port <Ex. cmplp> -> prt1
Print Server Name <Ex. lp>-> ps1
```

6. If this configuration is ok , enter “y” to confirm.



```
Command Prompt - telnet loki

Printer installation wizard < cmpinstall 1.0.0 Beta >
DATE : mar mag 22 10:17:15 CEST 2001

-----

Host information :
- Type : Linux
- Name : loki

-----

Queue information :
- Name : ps1
- Port : prt1
- Remote : 10.0.252.201

-----

Config directory :
- Spool : /var/spool/lpd/ps1
- Printcap : /etc/printcap

-----

Choiche <Y/N> -> y
```

The installation is now complete. If you want to print the test file, enter the *lpr -Pps1 test* command.

Linux 7.x & Solaris 7.x Operating Systems

To configure the printer for the Linux 7.x and Solaris 7.x operating systems, follow the corresponding procedure described below:

Configuring a Remote Printer for the Red Hat Linux 7.x Operating System

1. Open the “/etc/hosts” file as *root user* in a Terminal windows.
2. Add the *IP address* and the *Printer Name* information.

Here is an example of an “/etc/hosts” file:

Ip-address	Printer-name
10.0.128.220.1	<i>prt1</i>
10.0.128.220.2	<i>prt2</i>

3. Type “printconf-gui&” from a prompt.
4. Click *New* button. You are asked to enter a *queue name* for the printer. Type the *queue name* you want.
5. Then select “Type of queue”. Select Unix Printer (lpd queue) in the “Queue type” box.
6. Insert the *printer name* used in “/etc/hosts” file (i.e. *prt1* or *prt2*) in the “Server” or “Remote Hosts” box.
7. Insert the *local spool directory* (where the print jobs for the Unix computer are to be placed) in the “Queue” or “Spool Directory” box.
8. Select *text only* in the “Printer Driver” box. Set up the configuration you want and then click *OK* button.
9. Click *File ->Save Changes* in the “printconf-gui” window.
10. Restart *lpd* to have (let) the printer daemon receive the new printer entry.

If the print job is rejected when it is sent to test the printer, ask the remote computer’s administrator to check permission in the “/etc/lpd.perms” file.

Configuring a Remote Printer for the Solaris 7.x Operating System

1. Open the “/etc/hosts” file as *root user* in a Terminal windows.
2. Add the *IP address* and the *Printer Name* information.

Here is an example of an “/etc/hosts” file:

Ip-address	printer-name
<i>10.0.128.220.3</i>	<i>prt1</i>
<i>10.0.128.220.4</i>	<i>prt2</i>

3. Type “*admintool&*” in a Terminal windows.
4. Select *Browse* button and then *Printers*.
5. Select *Edit->Add->Access to Print* in the “Admintool Printer Menu”.
6. Insert the *printer name* you want in the “Printer Name” box.
7. Insert the *printer name* used in “/etc/hosts” file (i.e. *prt1* or *prt2*) in the “Printer Server” box.
8. Click *Apply* and then *OK* button.

Now you are ready to use the printer.

AS/400 Environment

Configuring AS/400 for ASCII (TCP/IP protocol)

Configuring with ADDTCPIFC

ADDTCPIFC is used to add a TCP/IP interface to AS/400.

This step configures the AS/400 for connection to a TCP/IP network.

1. At the AS/400 command line, enter the following command:

```
ADDTCPIFC  
INTNETADR ('127.000.000.000') LIND (ETHLAN)  
SUBNETMASK ('255.255.254.000')
```

This screen should look like the following one:

Internet :	address	127.000.000.000.
Subnet :	mask	255.255.254.000
Line:	description	ETHLAN

To specify the *IP-address* and the *Subnet Mask*, see the values set respectively in the INIT IP ADDRESS and INIT NET MASK parameters of the LAN INTERFACE item in the *Power-On Configuration* setup you find in the User Manual included in the *Printer Documentation & Driver* CD-ROM.

Configuring a Router Definition with ADDTCP RTE

If necessary, use the ADDTCP RTE command to create a route definition. This is required if the printer is somewhere other than on a local segment.

Configuring a Local Domain and Host Name

The AS/400 print commands require a local name and host name. If you have already configured LAN attached TCP/IP printers on the AS/400 system, you will have a local domain name and hostname configured on the system.

To configure the local domain, you will run the CFGTCO command.

Configuring a TCP/IP Host Table Entry

Although it is optional to create a TCP/IP host table entry, it is suggested that you take this step. Add the AS/400 name and the LAN IP address to the “Host Table Entries”.

Configuring AS/400 for Printing

The procedure for configuring an AS/400 for printing requires that you:

1. Setup the printing capability
2. Verify the setup with a print job.

In order to accomplish this configuration, you need the following information:

a) Remote Printer Queue Name

Set for any of 'pr1' through 'pr4'.

The Remote Printer Queue name must be all lower case.
--

b) IP Address

See the IP Address value set in the INIT IP ADDRESS parameter of the LAN INTERFACE item in the *Power-On Configuration* setup you find in the User Manual included in the *Printer Documentation & Driver* CD-ROM.

Setting up Printing for ASCII Files

The next step in configuring the AS/400 is to setup the remote printing capability. There are two ways to do this:

- you can specify the LPR parameters manually each time you send a file to the printer.
- use remote writer and a remote output queue for automatic printing to the printer.

To Use LPR Manually

1. Start TCP/IP, if it not already running, by entering the `STRTCP` command
2. At the AS/400 command line, enter 'LPR'.
3. The following example shows only the parameters you need to specify:

Remote System	RMTSYS	INTNETADR
Printer Queue	PRTQ	d1prn
Destination Type	DESTTYP	OTHER
Transform SCS to ASCII	TRANSFORM	YES
Manufacturer Type and Model	MFRTYPMDL	IBM6400EP
Internet Address	INTNETADR	127.000.000.000.

where,

Remote System: enter the host name of your printer or INTNETADR, which then prompts you to specify the IP address of your printer.

Printer Queue: set to "pr1" through "pr4". The remote printer queue name must be all lower case, entered in single quotes.

Destination Type: specify "OTHER" for the DESTTYP parameter.

Transform: specify "YES".

Manufacturer Type and Model: select a manufacturer type and model. Select "IBM6400EP" for Epson emulation or "IBM6400" or "IBM42023" for IBM Proprinter.

Internet Address: specify the IP address of the printer.

To Create an Automatic Remote Output Queue

1. From the AS/400 command line, enter CRTOUTQ.
2. The following example shows only the parameters you need to specify:

Output Queue	OUTQ	USERNAME
Remote system	RMTSYS	INTNETADR
Remote printer queue	RMTPRTO	d1prn
Writer to Autostart	AUTOSRTWTR	1
Connection type	CNNTYPE	IP
Destination type	DESTTYP	XAUTOQXAIX
Transform	TRANSFORM	YES
Manufacturer type	MFRTPMDL	IBM6400EP
Internet Address	INTNETADR	127.000.000.000.

where,

Output queue: enter the name of the AS/400 output queue.

Remote System: enter the host name of your printer or INTNETADR, which then prompts you to specify the IP address of your printer.

Remote Printer Queue: set to “pr1” through “pr4”. The remote printer queue name must be all lower case, entered in single quotes.

Writer to Autostart: set the value to “1”.

Connection Type: specify this value as “IP”.

Destination Type: specify “XAUTOQXAIX”.

Transform: specify “YES”.

Manufacturer Type: select a manufacturer type and model. Select “IBM6400EP” for Epson emulation or “IBM6400PR” or “IBM42023” for IBM Proprinter.

Internet Address: specify the IP address of the printer.

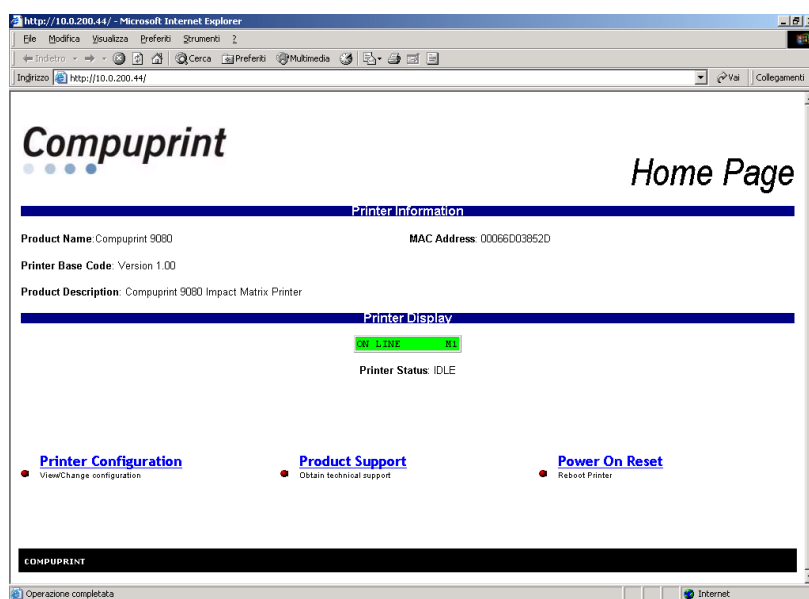
Monitoring Printer & Remote Printer Configuration

The following procedure describes the use of the Internet Browser for monitoring the status of the network printer and for the printer remote configuration. Proceed as follows:

1. To browse the printer web page, enter the *IP Address* as web page address.

The IP Address must correspond with the IP Address set in the INIT IP ADDRESS parameter of the LAN INTERFACE item, see the User Manual included in the *Printer Documentation & Driver* CD-ROM.

The “Printer Web Page” screen appears:



This Printer Web Page contains the following types of information about network printers:

Printer Configuration: current printer status that you can configure by remote control.

Printer Status: current ribbon and print head life.

Printer Reset: feature to reboot the printer.

Product support: reference to contact Compuprint.

You can select the Printer Configuration, Printer Status, Printer Reset and Product Support screens to see the corresponding pages described in the following sections.

Printer Configuration

To obtain the Printer Configuration information tables, click on the Printer Configuration button. The following screen appears:

The screenshot shows the 'Config Options' page for a printer. The browser is Microsoft Internet Explorer at the address 'http://10.0.200.44/'. The page features a 'Compuprint' logo and a 'Config Options' title. A left sidebar contains links: Home, System, Config, Interface, Macro 1, Macro 2, Macro 3, and Macro 4. The main content area is titled 'Emulation' and shows 'Epson LQ' selected in a dropdown. Below this are two sections: 'Epson / Ibm Emulation Options' and 'Ansi Emulation Options'. Each section contains a grid of settings with dropdown menus and checkboxes.

Epson / Ibm Emulation Options			
Character Set	Nation	Auto CR	Auto LF
Cs2	CP437	Yes	No
Ibm 20 CPI	Bar Code		
No	Native		

Ansi Emulation Options			
Character Table	Character Set	Nation	Auto CR
CODE437	Cs2	USA	Yes
RIS Enable	SIVSO Control	Prime on DEL	CTRL in Dot Graphics
Yes	No	No	Yes
Expand Up	Alternate Graphics	8 Bit Control	Sub/Super Script
Yes	No	No	No
ESC+Control Code	VT Not Set	Double LF	Auto Wrap
No	Yes	No	Yes

This page contains a series of tables with the corresponding printer set-up: for a detailed description of the parameters and values contained in the Configuration and Macro Menus refer to the User Manual.

Compuprint *User Macro 1*

[Home](#)
[System](#)
[Config](#)
[Interface](#)
[Macro 1](#)
[Macro 2](#)
[Macro 3](#)
[Macro 4](#)

Line Space 6 Lpi	Line Space Lock No	Form Length (1 to 244) 66	Top Of Form (0 to 243) 0
Ignore FF No	Skip Over (0 to 243) 0	Draft Mode Normal	Quality LG
Font Draft	Pitch 10 Cpt	15424 Cpi Normal	Pitch Lock No
Left Margin (0 to 324) 0	Right Margin (2 to 326) 136	Slash Zero No	Path Front 1 - Lower
Tear Normal	Tear Delay (1 to 6) 1	Impact Strong	Perforation Safe No
Quiet Print Off	Gap Auto 0	Tuning Horizontal (0 to 60) 0	Tuning Vertical (-30 to 360) 0

Submit

NIC Setup

When pressing the Interface button the following screen appears:

Compuprint *Interface Options*

[Home](#)
[System](#)
[Config](#)
[Interface](#)
[Macro 1](#)
[Macro 2](#)
[Macro 3](#)
[Macro 4](#)

Interface Active
Automatic

Parallel Interface

Interface Type 1284 Bidirectional	Select-In Host	Data bits 8 Bits	Input Buffer Size 2K
--------------------------------------	-------------------	---------------------	-------------------------

LAN Interface

IP Address Assignment Fixed	IP Address 10.0.200.44	Subnet Mask 255.255.0.0	Default Gateway 10.0.255.240
Host Name CMP_03852D	Workgroup Name Compuprint	Location Caluso	Contact Carlo Cova
SMTP Service Disabled	Mail Server Address 10.0.254.252	E-mail Address (receiver) carlo.cova@sferalwvt.com	E-mail Address (sender) 9080@sferalwvt.com

Submit

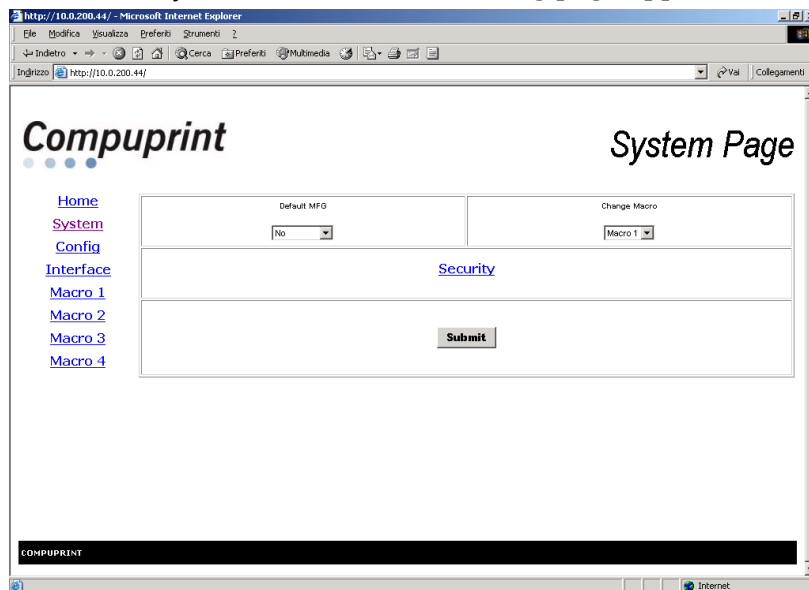
You can now choose the network printer configuration. When the parameters are set as necessary, click on the **Submit** button at the end of the table.

If a password has already been set in the Security item, to enter the remote printer configuration mode, you need to type the network password.

The User Name is : **root**
The default password is : **root**

System Setting

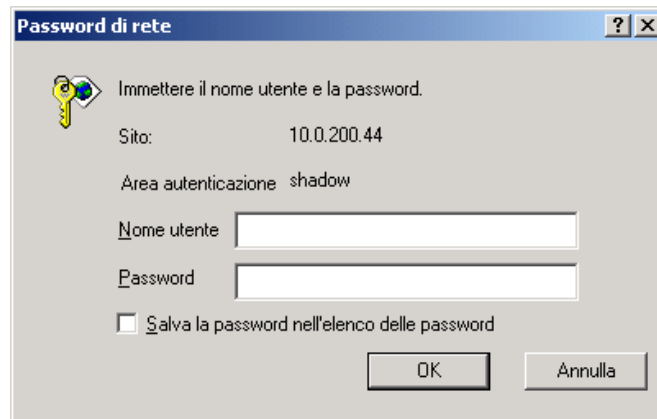
Click on the **System** button. The following page appears:



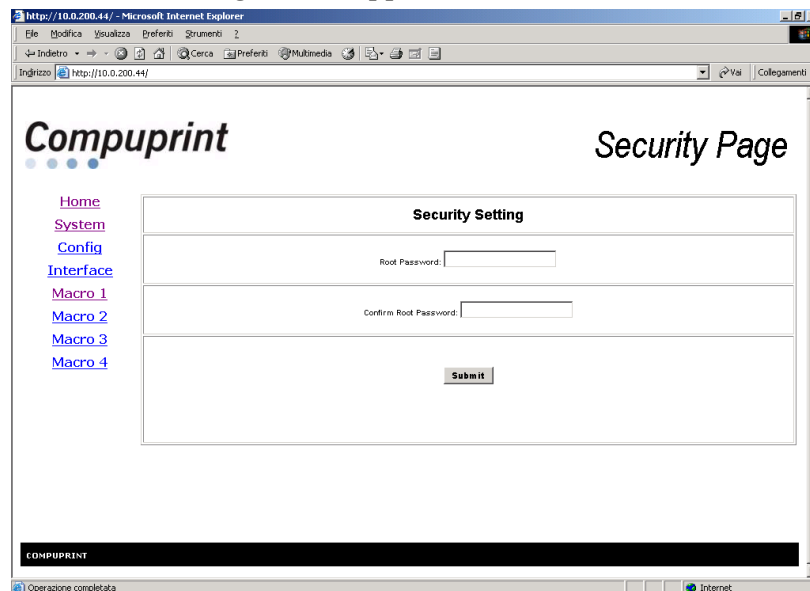
You can now choose between loading the default factory setting overwriting the current parameters and setting the security password.

Setting the Security Password

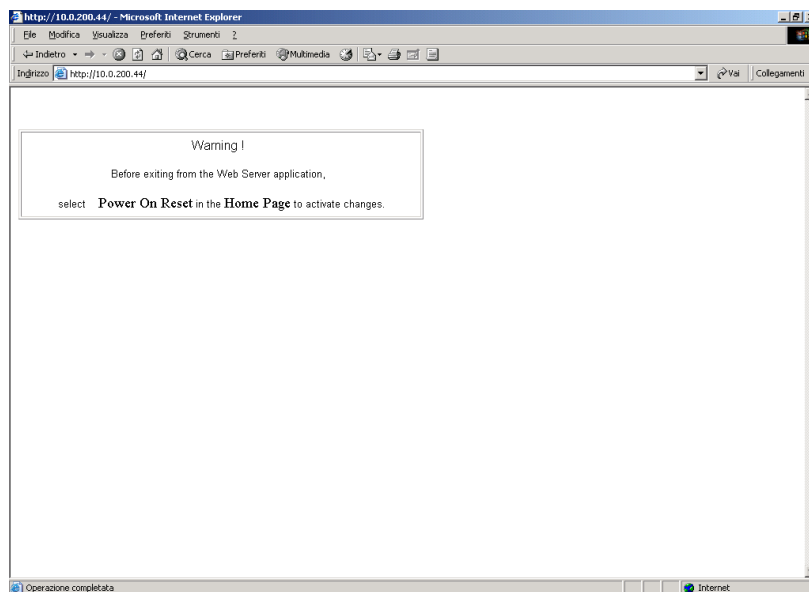
In the System page, click on the Security Settings button. The first time the following screen appears:



Type the User Name (root) and the password (root) and OK button. The following screen appears:



It is now possible to indicate a password to protect the setting.
Click on the **Submit** button, the following screen appears:



Remind you, that it is necessary to select **Reboot Printer** in the **Reset Printer** page to save the changes.

FCC Notes

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operations of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

ICES-003/NMB-003 Notes

This Class A digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

EEC Regulations

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

This equipment is in compliance with the essential requirements and other relevant provisions of the UE Directives 89/336, 73/23, 92/31, 93/68.