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Network Guide

Imation Matchprint[™] Professional Server

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1 Initial Configuration

The Imation Matchprint Professional Server (IMPS) digital front end (DFE) ships with the following configuration:

Operating System and notable other software:

- Windows NT[™] 4.0 Server *with* Service Pack 6a installed
- Internet Information Server (IIS) from Windows NT 4.0 Option Pack
- Internet Explorer 5.01 with SP1 installed
- Adobe Acrobat Reader 4.05
- IMPS version 1.0
- Service Pack 6a executable included on the C: drive in the following path C:\NT Service Packs\sp6i386.exe Service Pack 6a must be reapplied anytime additional services, protocols, or other optional software is added from the original Windows NT 4.0 Server CD-ROM.

Default Computer Logon:

• Logon = 'Administrator' with *no password*

Networking:

- Computer Name = IMPS_DFE or similar name for factory testing
- Primary Workgroup or Domain = WORKGROUP
- Networking Protocol = TCP/IP
- TCP/IP address = 'Obtain an address from a DHCP server'
- Additional Network Services installed = Services for Macintosh

The IMPS DFE uses the built in Windows NT 4.0 Server networking services and protocols, and uses the NT printing services. These are standard services and allows the network administrator to easily integrate the IMPS DFE into existing networks. The IMPS DFE network is set initially to WORKGROUP so that initial testing can be accomplished prior to adding the IMPS DFE to a network domain.

2 Before changing the configuration

Before changing the IMPS DFE configuration you should contact the **Network Administrator** and determine how the networking services should be configured.

Things the **Network Administrator** needs to determine before any changes are made include:

 Computer Name – The computer name can be changed to help clearly identify the IMPS server to the intended client users. The computer name should be changed if more than one IMPS DFE is on the network (two computers can not have the same name on the same network).

NOTE: IIS uses the Computer Name. If you change the name of the computer, you will need to re-connect to the new computer name in the IIS **Internet Service Manager** to use the IMPS web server.

- 2) Domain or Workgroup Is the IMPS DFE to be registered in a Domain? If so you will need to know the Domain name, and the Administrator User Name and Password for that domain controller so that you can Create a Computer Account in the Domain. Important: If you are going to change the name of the computer, you should do so before changing the Workgroup or Domain.
- 3) Static IP address or DHCP server Will the IMPS DFE be assigned a static IP address, or will it be dynamically configured using a DHCP server? If it is assigned a static IP address you will need to know the IP Address, the Subnet Mask, and the Default Gateway to be used.
- 4) **DNS Server** Is there a DNS (Domain Name System) server(s) and if so what is its IP Address(es) and Domain.
- 5) **WINS Server** is there a Primary and Secondary WINS (Windows Internet Name Services) server to be used. If so what is the IP Address(es).
- 6) Macintosh Computers The IMPS DFE has Services for Macintosh installed to allow Macintosh computers to Print and to Share directories on the IMPS DFE. The Network Administrator should determine what the Default Zone (Appletalk Zone) if any should be used.
- 7) Guest By default the Guest user account has been disabled. By disabling the Guest account, all network users will be required to be registered Users of the Domain or Workgroup the IMPS DFE belongs to, or of a *trusted* Domain. This provides better network security but may be more restrictive than the Network Administrator requires.

Once the above information is collected from the Network Administrator you can proceed to make changes.

3 Network Setup Procedure

Important! If the administrator changes a password or the password is lost or forgotten, nobody can get in to change settings or service. There is no way to recover.

It is recommended the administrator create a backup administrator account and password.

1. Logon to the IMPS DFE as the **Administrator**. Right click on the **Network Neighborhood** icon and select **Properties**. The Network Control Panel will open as below:

Network		? ×		
Identification Services Protocols Adapters Bindings				
Windows uses the following information to identify your computer on the network. You may change the name for this computer and the workgroup or domain that it will appear in.				
Computer Name:	IMPS_DFE			
Workgroup:	WORKGROUP			
Change				
	OK	Cancel		

2. To change the name of the computer and/or to change the Domain or Workgroup, select the **Change** button. The following **Identification Changes** window is displayed:

Iden	tification Chang	jes	? ×	
the wo ac	e network. You ma	llowing information to identify your compute ay change the name for this computer, the that it will appear in, and create a comput n if specified.		
	dember of			
	O <u>W</u> orkgroup:			
	• <u>D</u> omain:	DOMAIN		
	✓ Create a Comp	uter Account in the Domain		
C	This option will create an account on the domain for this computer. You must specify a user account with the ability to add workstations to the specified domain above.			
	<u>U</u> ser Name:			
	<u>P</u> assword:	[
		OK Cance		

Change the name of the **Workgroup**, or select the **Domain** radio button and type the exact name of the default Domain you want the computer to be part of. If changing to a Domain, you will also need to check the **Create a Computer Account in the Domain** box, and then type a valid DomainAdministrator **User Name** and **Password**. Then click **OK**.

3. To check or to change the TCP/IP configuration select the **Protocols** tab. The following window is displayed:

Network			? ×
Identification Se	rvices Protocols	Adapters Binding] s
Network Protoco			
TCP/IP Pro	ocol		
<u>A</u> dd	<u>R</u> emove	Properties	<u>U</u> pdate
Description:			
area network p		net Protocol. The defa des communication a s.	
		OK	Cancel

Highlight **TCP/IP Protocol** and then click on the **Properties** button. The following window is displayed:

Microsoft TCP/IP Properties ? 🗙			
IP Address DNS WINS Address DHCP Relay Routing			
An IP address can be automatically assigned to this network card by a DHCP server. If your network does not have a DHCP server, ask your network administrator for an address, and then type it in the space below.			
Adapter:			
[1] Intel(R) PR0/100 VE Network Connection			
Obtain an IP address from a DHCP server			
O Specify an IP address			
[P Address:			
Subnet Mask:			
Default <u>G</u> ateway:			
A <u>d</u> vanced			
OK Cancel Apply			

On the **IP Address** tab select either the **Obtain an address from a DHCP server** radio button, to dynamically configure the IP address, or the **Specify an IP address** radio button, to manually enter the **IP Address**, the **Subnet Mask**, and the **Default Gateway** to be used.

To manually configure the **DNS** server and **WINS** server information use the **DNS** tab or **WINS** Address tab as per the **Network** Administrator's instructions.

4 Adding Spooler and Hot Folders for Network Clients

Print **Spoolers** and **Hot Folders** are the two methods of printing to the IMPS DFE from network client computers. **Spoolers** use standard Windows NT printing services. Spoolers appear to network clients as network printers. Hot Folders are folders (directories) manually created on the IMPS DFE disk drives and then setup using standard Windows NT file sharing procedures. Hot Folders are accessed by network client computers as normal NT shared directories.

NOTE: Spoolers and Hot Folders added from the IMPS controller software. To launch the IMPS software go to: Start menu >> Programs >> Imation >> Imation Matchprint Professional Server

Adding a Spooler

- 1. From the **Input** menu, select **Add Spooler**. The Spooler Settings window displays. Spooler option tabs are Printer, Color, Output, PDF, Preview and Summary.
- 2. Enter the **Printer Name** to which the new Spooler will send jobs. This name is what client users will see when they select a printer on the net.
 - **Note:** When creating a spooler to be used in a mixed Operating System environment, remember that Windows 95/98 require the spooler name to be 12 characters or less. (Alpha-numeric characters and spaces are allowed.)
- 3. Make sure Active is checked. (The default setting is for Active to be checked.)
- 4. Click on Printer, Color, Output, PDF, Preview and Summary tabs to enter the Spooler configuration. When the file enters this Spooler, it is given these default settings.
 - **Note:** For PostScript jobs submitted through a spooler or hot folder, the values in the PostScript file always override the default job parameters for that spooler or hot folder.
- 5. Setup additional Spoolers as needed for jobs with different parameters.

Adding a Hot Folder

Hot Folders are folders the **Imation Matchprint**[™] **Professional Server** software "watches" for incoming job files. When a recognized file is placed into a Hot Folder, it is automatically entered into the job queue for proofing.

Important! Files are automatically deleted from a Hot Folder after successfully printing. Do not place original files into Hot Folders. Always "copy" files to a Hot Folder.

1. From the **Input** menu, select **Add Hot Folder**. The Hot Folder Settings window displays. Hot Folder option tabs are Printer, Color, Output, PDF, Preview and Summary.

- Select the location of the Hot Folder by clicking Browse... You may select an existing folder or create a new folder. (Create a new folder by navigating to the location where you want the folder. At the end of the path string type \xxx [where xxx is the new folder name], then click OK. Answer Yes to the question, "Do you want the folder to be created?")
- 3. Make sure Active is checked. (The default setting is for Active to be checked.)
- 4. Enter the **Poll Interval** seconds to set how often this Hot Folder will be checked for jobs.
- 5. Click on Printer, Color, Output, PDF, Preview and Summary tabs to enter Hot Folder custom configurations. When the file enters this Hot Folder, it is given these default Hot Folder settings.
 - **Note:** For PostScript jobs submitted through a spooler or hot folder, the values in the PostScript file always override the default job parameters for that spooler or hot folder.
- 6. Setup additional hot folders as needed for jobs with different parameters.

5 Installing PPDs on Client Machines

Once the software is installed, Postscript[™] Printer Driver (PPD) installation may be necessary to allow client Macintosh® or PC computers to properly print to the Xerox® DocuColor 12[™] copier over the network. Client workstations can be Windows NT®, Windows® 2000, Windows® 95/98, or Macintosh® systems.

The **Imation Matchprint Professional Server** software includes the latest version of the AdobePS driver. Microsoft® Windows client machines wishing to print to the **Imation Matchprint Professional Server** automatically install the AdobePS driver when the printer is added via the Windows "Add Printer" dialog.

Macintosh® client machines must install the driver and PPD from either the **Imation Matchprint Professional Server** CD-ROM or from the Imation server itself. Macintosh® users must first run Stuffit Expander to unstuff the Mac-Doc12-PPD-Installer.bin before launching the Imation PPD and AdobePS driver.

Depending on your client workstation setup, select the appropriate PPD installation from the following:

Windows NT® or Windows® 2000 Client PPD Installation

Window® 95/98 Client PPD Installation

Macintosh® Client PPD Installation

5.1 Windows NT® or Windows® 2000 Client PPD

Two modes of imageable print areas are supported by the Imation Matchprint[™] Professional Server system, expanded and normal. On initial setup, clients adding printers will automatically capture the current mode associated with the IMPS system. After the initial setup, if the IMPS server administrator switches the imageable print area, clients will need to delete existing IMPS client printers and add new ones. Adding new printers will reflect the new print area mode.

Steps 1-11 are instructions to add a printer on initial **Imation Matchprint™ Professional Server** system setup. Steps 12-18 provide instructions for re-adding a printer once the imageable print area has been changed.

1. At the **Imation Matchprint™ Professional Server**, set up the print spooler where the client machine will print.

Note: When creating a spooler to be used in a mixed Operating System environment, remember that Windows® 95/98 require the spooler name to be 12 characters or less (alpha-numeric characters and spaces are allowed).

 At the client Windows machine, either log into the same domain as the Imation Matchprint[™] Professional Server, or connect to the Imation Matchprint[™] Server with a valid user name and password that has a minimum of read access. For security purposes, Imation does NOT recommend enabling the Guest Account. Failure to do so will result in Windows 2000 clients receiving the following error message when trying to print an image: "Could not complete the print command because the selected printer driver could not be found. Please select a printer from the control panel and try again."

Workgroup Environment Considerations: In a Workgroup environment, the Imation Matchprint[™] Professional Server must be a member of the same workgroup as the client workstations.

- 3. At the Start button, select Settings, then Printers.
- 4. Double-click on **Add Printer**.
- 5. With the Network printer server selected, click on Next.
- 6. Using the **Add Printer Wizard**, browse to the location of the RIP print server and select the spooler created in step 1.
- 7. Click OK.
- 8. Select **Yes** to have this printer set as your default printer. Click **Next**. A message appears saying the printer has been successfully installed.
- 9. Click on **Finish**. The printer is now added to your system.
- 10. Using the Windows client design application, choose **Page Setup**. Click **Printer** and select the spooler name as created in step 1. Note that the **Printer Where** location reflects the RIP's spooler pathname. Click **OK**.
- 11. Click **OK** to close the **Page Setup** dialog box. You are now ready to print.

Note: Some design applications require the print spooler to be selected as the default printer. Failure to select the Matchprint[™] Professional Server as the default printer may not allow your design application to print to the Xerox® DocuColor 12[™]. The following type of error might appear, "Could not complete the Page Setup command because the selected printer driver could not be found. Please select a printer from the control panel and try again."

If you get this type of error, change the default printer in your Printer Control Panel. Click on **Start>Settings>Printers**. Click once on the Matchprint[™] Professional Server print spooler name and click **File - Set as Default**. Launch your design application, open the file to print, and either select to print or choose Page Setup and select the Matchprint[™] Professional Server print spooler.

Re-adding Printers for Imageble Area

- 12. Restart the client system.
- 13. Delete all printers from the client.
- 14. Delete all files and folders within winnt\system32\spool\drivers\w32x86.

- 15. At the Imation Matchprint[™] Professional Server, install the selected image area. (This is located in c:\Program Files\Imation\Imation Matchprint Professional Server\Print Area Setups.)
- 16. At the Xerox DocuColor 12, install the selected image area. (See Xerox DocuColor 12 User's Guide.)
- 17. Restart both the client and Imation Matchprint[™] Professional Server systems.
- 18. Add the new printer at the client. (See steps 1-11 of this procedure.)

Note: When adding the printer after changing the image area setting, it may takeup to 15 minutes for it to show up on the system.

5.2 Windows® 95/98 Client PPD

Two modes of imageable print areas are supported by the Imation Matchprint[™] Professional Server system, expanded and normal. On initial setup, clients adding printers will automatically capture the current mode associated with the IMPS system. After the initial setup, if the IMPS server administrator switches the imageable print area, clients will need to delete existing IMPS client printers and add new ones. Adding new printers will reflect the new print area mode.

Steps 1-15 are instructions to add a printer on initial Imation Matchprint[™] Professional Server system setup. Steps 16-22 provide instructions for re-adding a printer once the imageable print area has been changed.

- 1. At the Imation Matchprint[™] Professional Server, set up the print spooler where the client machine will print. Keep spooler names to 12 characters or less. Windows® 95/98 require the Spooler name be 12 characters or less. (Alpha-numeric characters and spaces are allowed).
- 2. At the client Windows® 95/98 machine, log into the same domain as the **Imation Matchprint™ Professional Server**.

Note: If when trying to add a printer, the Imation server requests a password, but does not allow the user to log in as a guest, the Imation server administrator must set the **User Manager for Domains Guest** properties to a blank password and check **Password Never Expires**. This allows the Windows® 95/98 client workstation to add the Imation spooler as a printer.

Workgroup Environment Considerations: In a Workgroup environment, the Imation Matchprint[™] Professional Server must be a member of the same workgroup as the client workstations.

- 3. At the Start button, select Settings, then Printers.
- 4. Click on Add Printer.
- 5. Click on Next.
- 6. Select Network printer.
- 7. Click on Next.
- 8. Browse to the location of the **Imation Matchprint™ Professional Server** and select the spooler created in step 1.
- 9. Under the text, "Do you print from MS-DOS based programs?," leave **No** selected.
- 10. Click on Next.
- 11. Edit the printer name, if desired. A default printer name based on the printer driver is automatically entered. However, you can type in a more descriptive name. The name you type only appears on this Window® 95/98 client workstation.

- 12. Click on Next.
- 13. A dialog box appears asking if you want to print a test page. If you select **Yes**, another dialog box appears asking if it printed successfully. If it did print successfully or you answered **No** to print a test page, drivers are copied and a window appears showing the added printer.
- 14. Using the Windows® 95/98 client design application, choose **Page Setup**. Click **Printer** and select Xerox® DocuColor 12[™]. Note that the **Printer Where** location reflects the RIP's spooler pathname. Click **OK**.
- 15. Click **OK** to close the Page Setup dialog box. You are now ready to print.

Re-adding Printers for Imageable Area

- 16. Restart the client system.
- 17. Delete all printers from the client.
- 18. Delete the Imxdoc12 PPD file within windows\system.
- 19. At the Imation Matchprint[™] Professional Server, install the selected image area. (This is located in c:\Program Files\Imation\Imation Matchprint Professional Server\Print Area Setups.)
- 20. At the Xerox DocuColor 12, install the selected image area. (See Xerox DocuColor 12 User's Guide.)
- 21. Restart both the client and Imation Matchprint[™] Professional Server systems.
- 22. Add the new printer at the client. (See steps 1-15 of this procedure.)

Note: When adding the printer after changing the image area setting, it may take up to 15 minutes for it to show up on the system.

5.3 Macintosh® Client PPD

The Macintosh® client PPD is available to download using the **Imation Matchprint**[™] **Professional Server** CD-ROM, from the **Imation Matchprint**[™] **Professional Server** Web User Interface (UI), and directly from the **Imation Matchprint**[™] **Professional Server**.

- 5.3.1 Loading PPD from the CD-ROM
 - 1. Determine which mode of Printer Image Area (Normal or Expanded) the Imation Matchprint[™] Professional Server is operating.
 - 2. It is recommended that any virus protection software be disabled before you use the Mac-Doc12-PPD-Installer.
 - 3. Insert the **Imation Matchprint™ Professional Server** CD-ROM. An icon for the CD-ROM appears on your desktop.



- 4. Double-click on the CD icon.
- 5. View the two folders, **Expanded** and **Normal**, in the displayed window.



Double-click on the appropriate folder to view the **Mac-Doc12-PPD-Installer** and **Install Imation PPD Readme** files.

🗆 📄 🏹 Expanded 🗌 🖽 🗐		
2 items, 5.09 GB availa	able	
Install Imation PPD Readme		
Mac-Doc12-PPD-Installer	* *	
A 4	11.	
	14	
2 items, 5.09 GB availa		
2 items, 5.09 GB availa		

6. Double-click on the Mac-Doc12-PPD-Installer. The associated **Readme** dialog displays. Select the **Continue** button. The following dialog displays.

AdobePS Installer	
Click the Install button to install • Easy Install	
Install Location The folder "AdobePS Components" will be created on the 	Quit Install

Select the **Install** button to install the Imation PPD for the Xerox DocuColor12. When PPD installation is complete, the following dialog displays:



 Imation recommends using the AdobePS printer drivers. Click on Yes if you wish to do so. The following dialog appears:



Select **OK** and the following dialog displays:



8. Click on Quit. The AdobePS installer screen appears. Select **Continue** to begin the installation of the AdobePS drivers.



A new installer window opens displaying the AdobePS Installer:

AdobePS Installer	
Click the Install button to install • Easy Install	
- Install Location The folder "AdobePS Components" will be created on the 	Quit
Install Location: IMPS Mac Client	Install

9. Click on **Install**. When installation is complete, the following dialog appears:



10. Click on **Quit**, if you are done installing.

5.3.2 Downloading PPD from the Web User Interface

- 1. Determine which mode of Printer Image Area (Normal or Expanded) the Imation Matchprint[™] Professional Server is operating.
- 2. Access the Imation Matchprint[™] Professional Server Web User Interface using a web browser.
- 3. Click on the *Download Mac PPD Installer* link in the left frame of the window.

Note: This is a compressed file. If your web browser is not configured to automatically decompress files, locate the downloaded file Mac-Doc12-PPD-Installer.bin and use a decompression application similar to Stuffit Expander[™] to decompress the file.

4. Continue with step 6 in the Loading PPD from CD-ROM procedure.

- 5.3.3 Loading PPD from the Imation Matchprint[™] Professional Server
 - 1. Determine which mode of Printer Image Area (Normal or Expanded) the Imation Matchprint[™] Professional Server is operating.
 - 2. Have the Imation Matchprint Professional Server administrator create a Mac Share for the folder c:\Program Files\Imation\Imation Matchprint Professional Server\MAC PPD.
 - 3. At the Macintosh client, navigate to the Imation Matchprint Professional Server and then to the c:\Program Files\Imation\Imation Matchprint Professional Server\MAC PPD.
 - 4. Copy the MAC PPD folder to your Macintosh computer.
 - 5. Follow step 5 in the **Loading PPD from CD-ROM** procedure.
- 5.3.4 Macintosh® Client Setup
 - 1. At the Imation Matchprint[™] Professional Server, set up the print spooler where the client machine will print. Go to Adding a Spooler located under **Getting Started** for additional information.
 - 2. In the **Chooser**, click on the **Adobe PS** printer icon in the left column. This displays a list of compatible PostScript printers in the right side of the window.



3. Double-click on the desired spooler.

A set up window appears and the Chooser tries to locate the correct PPD from the PPD folder.

Setting up "IMPS Spooler".		a
Status: opening printer co	inection.	
		i
C	Select PPD	Cancel

If the Chooser cannot determine which PPD file to use, or if the Select PPD Button is clicked on, another window opens and you are prompted to select a PostScript[™] Printer Description file from the PPD folder.

DocuColor12 (Imation)	Eject
LaserWriter 12/640 PS	
LaserWriter 16/600 PS	Desktop
LaserWriter 16/600 PS Fax	
LaserWriter 16/600 PS-J	Generic
LaserWriter 4/600 PS	
LaserWriter 8500 PPD v1.2	Cancel
LaserWriter Color 12/600 PS	A Colort
LaserWriter Color 12/600PS-J	Select

4. Click on the DocuColor12 (Imation) PPD and then click on the Select button.

A set up window appears showing, "Status: selecting the printer description files."

Setting up "IMPS Spooler".	æ
Status: opening printer connection.	
Select PPD	Cancel

Once the PPD is selected, another dialog opens and prompts you to set the installable options.

Current Printer Description File (P "DocuColor12 (Imation)" Installable Options	PD) Selected:
Mail Box: Not Installed 🔶 Tray 6 (HCF): Not Installed 💠	
	Cancel OK

 Choose the options from the drop-down menus appropriate for your configuration. Click on the **OK** button when finished. A final status window appears showing, "Building Desktop Printer."

Building Desktop Printer	
	Cancel

When complete, an icon for the selected printer appears on your desktop.

6 Client Printing to LPR

Line Printer Remote, also called LPR client or WLPR for Windows, is a platform independent software that sends job to a printer or a print queue.

The following procedures include LPR client setup for:

- Windows® 2000 LPR Setup
- Windows NT® LPR Setup
- Windows® 95/98 LPR Setup
- Macintosh® LPR Setup

6.1 Windows® 2000 LPR Setup

Print Services for LPR

Note: The Windows® 2000 CD-ROM is required to complete this procedure. Locate this CD-ROM prior to beginning this procedure.

- 1. If not already done, setup a spooler on the Imation server prior to starting this procedure.
- 2. Select Start >> Settings >> Control Panel.
- 3. In the Control Panels window, click on **Add/Remove Programs**. The Add/Remove Programs window appears.



4. In the left section of the Add/Remove Programs window, click on Add/Remove Windows Components.

5. On the line, **Other Network File and Print Services**. Leave the checkbox blank and highlight the line.

x				ndows Components Wizard
		s 2000.	onents of Window	Windows Components You can add or remove comp
				To add or remove a compone part of the component will be i Details.
1	2040			Components:
3	2.6 MB		rvices	🔲 🚅 Message Queuing Sei
				Services
	0.1 MB		d Print Services	🔲 🚔 Other Network File an
	1.1 MB 🔔			🗆 😭 Script Debugger
-	rs on the network.	nputer with othe	printers on this co	Description: Shares files and
1			0.1 MB	Total disk space required:
	Details		1096.3 MB	Space available on disk:
	rs on the network. Details Next > Ca	nputer with oth	0.1 MB	Total disk space required:

- 6. Click on **Details**.
- 7. When the details window for Other Network File and Print Services appears, select the checkbox beside **Print Services for Unix**.

Other Network File and Pri	nt Services		X
To add or remove a compone of the component will be insta	alled. To see what's i	ncluded in a component,	
Subcomponents of Other Nel		ervices	0.1 MB 💻
-			
Description: Enables UNIX	clients to print to an	y printer available to this c	omputer.
Total disk space required:	0.1 MB		Details
Space available on disk:	1096.3 MB	-	
		ОК	Cancel

8. Click **OK**.

- 9. If you are prompted to insert the Windows 2000 CD, insert the disk and follow the screen prompts to install the necessary software.
- 10. When the Windows Components window reappears, a check appears in the box beside **Other Network and Print Services**.
- 11. Click **Next**. The system loads the appropriate files.
- 12. Click **Finish** and **Close**.

LPR Port Setup

Notes:

The Imation Matchprint Professional Server software CD-ROM is required to complete this procedure. Locate this CD-ROM prior to beginning this procedure.

If not already done, setup a spooler on the Imation server prior to starting this procedure.

- 1. Select Start >> Settings >> Printers. Click on Add Printer.
- 2. At the Welcome screen, click Next.

TOTAL	I or Network Printer
13	s the printer attached to your computer?
lí a	the printer is directly attached to your computer, click Local printer. If it is attached to nother computer, or directly to the network, click Network printer.
6	Cocal printer
	Automatically detect and install my Plug and Play printer
(Network printer

- 3. When the Local or Network Printer window appears, select **Local printer**. Be sure to deselect **Automatically detect and install my Plug and play printer**.
- 4. Click Next. The Select the Printer Port window appears:

Add Printer	Wizard				
	he Printe outers com	er Port Imunicate with printers	through ports.		Ŷ
new	port.	you want your printer to owing port:	o use. If the port is not	listed, you can cre	ate a
Γ	Port	Description	Printer		-
	LPT1: LPT2: LPT3: COM1: COM2: COM2:	Printer Port Printer Port Printer Port Serial Port Serial Port Serial Port			
N	lote: Most	computers use the LP	T1: port to communicat	e with a local printe	er,
• C	ireate a ne	w port:			
Т	ype:	Local Port			*
		Local Port LPR Port Standard TO	CP/IP Port		
		1	< Back	Next>	Cancel

- 5. Select the **Create a new port button**, then choose **LPR Port** from the drop-down list. (If LPR Port is not one of the selections, go back to the beginning of this section and complete the steps in **Print Services for LPR**.
- 6. Click **Next**. A window appears for entering a print server and printer name.

Add LPR compatible printer	×
Name or address of server providing lpd:	OK -
Name of printer or print queue on that server:	Cancel
	Help

- 7. Enter the Imation print server IP address in the first field and the name of the Imation spooler in the second field. (The printer spooler must be setup on the Imation server to connect.)
- 8. Click **OK**.
- 9. Insert the **Imation Matchprint Professional Server** software CD-ROM into the drive and click **Have Disk...**



- 10. Click **Browse** and navigate to the CD-ROM drive. Locate Windows LPR/WIN2000 folders and select the **IMNDC12.INF** file.
- 11. Double-click on the IMNDC12.INF file. The Xerox DocuColor12 (Imation) printer appears in the Add Printer Wizard printer list.

Add Printer Wizar The manufacture	er and model determine which printer to use.
GCC Generic Gestetner HP IBM Imation	Printers: Xerox DocuColor12 (Imation)
	Windows Update Have Disk
	K K Kext > Cancel

- 12. Select Imation as the Manufacturer.
- 13. Click Next.

ld Printer Wizard			
Name Your Printer You must assign a name for this printe	er.		S
Supply a name for this printer. Some p combinations of more than 31 charact Printer name:		rt server and prin	ter name
Xerox DocuColor12 (Imation) _3			
Do you want your Windows-based pro	ograms to use this prin	ter as the default	printer?
Yes			
C No			

- 14. Enter a new printer name or leave the default.
- 15. Click Next.

d Printer Wizard				
Printer Sharing You can share	this printer with oth	er network users.		4
Indicate wheth printer, you mu	er you want this prir st provide a share n	nter to be available to oth name.	ner users. If you sh	are this
O not sha	re this printer			
C Share as:				
	16- 			
		< Back	Next >	Cancel
		K Back	Nexc>	Lancel

- 16. At the Printer Sharing window, select to share or leave the default.
- 17. Click Next.

d Printer Wizard			
Print Test Page To confirm that the printer is installed pro	perly, you can print	: a test page.	
Do you want to print a test page?			
Yes			
C No			
	< Back	Next>	Cancel

- 18. Select **Yes** if you want to print a test page now.
- 19. Select Next. The completion window summarizes your printer setup selections.

Compl Wizard	eting the Add Printer d
You have s	uccessfully completed the Add Printer wizard.
You specific	ed the following printer settings:
Name: Shared as: Port: Model: Default: Test page:	163.228.152.238:test Xerox DocuColor12 (Imation) Yes
To close th	s wizard, click Finish.

20. Verify your settings, then click **Finish**.

6.2 Windows NT® LPR Setup

Notes for TCP/IP Setup:

- The Windows NT® CD-ROM and any service pack CD-ROM is required to complete this procedure. Locate this CD-ROM prior to beginning this procedure.
- TCP/IP Print Services must be running on the Imation server and the client workstation. The Imation server is setup to always launch this software. However, the client workstation needs to be checked to ensure TCP/IP Print Services is loaded and started prior to setting up the LPR port.

If the TCP/IP Print Services is not loaded on your client machine, complete the following steps:

- 1. If not already done, setup a spooler on the Imation server prior to starting this procedure.
- 2. Go to Start >> Settings >> Control Panel and double-click on the Network option.
- 3. Select the **Services** tab and then select the **Add** button.



4. In the Network service window, double-click on the Microsoft TCP/IP Printing.



5. Insert your Microsoft Windows NT Workstation/Server CD-ROM and select **Continue**. This loads the necessary files.

When the system is done loading files, you will now see Microsoft TCP/IP Printing in the Network Services List as shown in the following screen.

letwork			? ×
Identification Ser	vices Protocol:	Adapters Bind	dings
Network Service:	r.		
Computer Br Microsoft TO NetBIOS Intr RPC Configu Server Server Vorkstation	P/IP Printing Jace ration		
Add	<u>R</u> emove	<u>Eroperties</u>	<u>Update:</u>
Enables Windo printers that are	ws NT to print to physically attact	TCP/IP-connecte ned to UNIX comp	d printers or to uters.
<u>.</u>			
		OK.	Cancel

- 1. Close the Network window and select **Yes** to restart your computer.
- 2. After you are done installing the TIP/IP software, Microsoft recommends reloading Service Packs. *Do not proceed with these instructions until the Service Pack has been reinstalled.*

LPR Port Setup

Notes:

- The Imation Matchprint Professional Server software CD-ROM is required to complete this procedure. Locate this CD-ROM prior to beginning this procedure.
- If not already done, setup a spooler on the Imation server prior to starting this procedure.
- 1. Select Start >> Settings>> Printers >>Add Printer.



2. Double-click on the **Add Printer** icon.



3. Make sure My Computer is selected, and click Next.

vailable Printer Por AppleTalk Printing I		
Digital Network Por Lexmark DLC Netw	t	
Lexmark TCP/IP N		
Local Port LPR Port		
		New Monitor

4. Select LPR Port, then click New Port.

Add LPR compatible printer	×
Name or address of server providing lpd:	ØK.
Name of printer or print queue on that server:	Cancel
	 Help

- 5. Enter the Imation print server IP address in the first field and the name of the Imation spooler in the second field. (The printer spooler must be setup on the Imation server to connect.)
- 6. Click **OK**.
- 7. Click **Close** to close the Printer Port window.

	Documents will print to the Available ports:	o the port(s) you want to use. First available checked port.
NR.	Port	Description F
	163.228.152.32:5SIL LPT1: LPT2: LPT3: COM1:	PR Local Port Local Port Local Port Local Port
-	Add Por <u>t</u>	<u>C</u> onfigure Port

8. If not already selected, select the new LPR port. Click Next.



- 9. Insert the **Imation Matchprint Professional Server** software CD-ROM and then click **Have Disk...**
- 10. Click **Browse** and navigate to the CD-ROM drive. Locate Windows LPR/WINNT folders and select the **IMNDC12.INF** file.

Locate File				? ×
Look in:	🔄 WinNT	•	e 👘	
Imndc12.i	inf			
File <u>n</u> ame:	Imndc12.inf			<u>O</u> pen
Files of type:	Setup Information (*.inf)			Cancel

11. Select the IMNDC12.INF file and click **Open**.



12. Change the printer name or leave the default. Then click Next.

Indicate whether this printer will be shared network users. If you choose sharing give share name.	
○ <u>S</u> hared ● Not shared	
Share Name:	
Windows 95 Windows NT 4.0 MIPS Windows NT 4.0 Alpha	<u>_</u>
Windows NT 4.0 PPC Windows NT 3.5 or 3.51 x86	
Windows NT 3.5 or 3.51 MIPS	_

- 13. At the printer sharing window, select to share or leave the default. Click Next.
- 14. Select **Yes** if you want to print a test page now. Then click **Finish**.

6.3 Windows® 95/98 LPR Setup

Windows® 95/98 LPR Setup Notes:

- Imation does not support WLPRspooler on Windows® 95/98 systems.
- TCP/IP Print Services must be running on the Imation server. The server is setup to always launch this software.
- ACITS software is required for Windows® 95/98 LPR setup. To download ACITS software, go to http://www.utexas.edu/academic/otl/software/lpr/acitslpr.html
- The following procedure requires the Imation Matchprint Professional Server software CD-ROM. Locate this CD-ROM prior to beginning this procedure.
- 1. If not already done, setup a spooler on the Imation server prior to starting this procedure.
- 2. Select Start >> Settings >>Printers.



3. Double-click on Add Printer.



4. At the Add Printer Wizard begin window, click Next.



5. Make sure Local printer is selected, then click **Next**.

installation disl	afacturer and model of your printer. If your printer came with an <, click Have Disk. If your printer is not listed, consult your printer for a compatible printer.
<u>Manufacturers:</u> Agfa Apple AST AT&T Brother Bull IC-Itoh	Printers: AGFA-AccuSet 1000 AGFA-AccuSet 1000SF v2013.108 AGFA-AccuSet 1000SF v52.3 AGFA-AccuSet 1500 AGFA-AccuSet 1500SF v2013.108 AGFA-AccuSet 800 AGFA-AccuSet 800SF v2013.108
	Have Disk < <u>Have Disk</u> Cancel Cancel

- 6. Insert the **Imation Matchprint™ Professional Server** software CD-ROM and then click on **Have Disk**...
- 7. Click **Browse** and navigate to the CD-ROM drive. Locate Windows LPR Printer folder, then the Windows folder. Locate and select the **IMNDC12.INF** file.
- 8. Double-click on the IMNDC12.INF file. The Xerox DocuColor12 (Imation) printer appears in the Add Printer Wizard printer list.



9. Click Next.

Add Printer Wizard	Click the port you want to use with this printer, and then click Next. Available ports: CALERSPOTIALERPORT Unknown local port C:Nrogram Files\Adobe\Acrobat 4.0\PDF Dutput*,pdf COM1: Communications Port FILE: Creates a file on disk LPT1: ECP Printer Port
	<u>C</u> onfigure Port < <u>B</u> ack Next > Cancel

10. Select the LPR printer port and click Next.



- 11. Enter a new printer name or leave the default. Select **Yes** or **No** to set this printer as the default or not.
- 12. Click Next.

A manual	After your printer is installed, Windows can print a test page so you can confirm that the printer is set up properly. Would you like to print a test page?
Caspetting of the second	C Yes (recommended)
	© <u>No</u>

13. Select **No** to printing a test page at this time, then click **Finish**.

The system installs any required printer drivers and creates the printer icon.

- 14. Right-click on the new printer icon in the **Printers Folder** and select **Properties**.
- 15. Click on the **Details** menu tab, then on the **Add Port** button.
- 16. Select the Other radio button and select ACITS LPR Remote Printing. Click OK.

- 17. Fill out the printer information. Click **OK**.
- 18. Click on the **Spool Settings** button.
- 19. Make sure the **Spool print jobs so program finishes printing faster** and **Start printing after the last page is spooled** radio buttons are selected.
- 20. In the **Spool data format** combo-box, make sure the data format of the printer output is set to **RAW**.
- 21. Make sure the **Disable bi-directional support for this printer** radio button is selected. This option is grayed-out or missing for some printers.
- 22. Click **OK** to return to the **Properties** dialog and then click **OK** to save your printer settings.

The printer is now configured for **ACITS LPR Remote Printing**.

6.4 Macintosh® LPR Setup

In order to print from a Macintosh® client to the Imation Matchprint® Professional Server on a LPR network, the client must use the Apple's *Desktop Printer Utility*.

- 1. If it hasn't already been done, add a spooler to the Imation Matchprint® Professional Server and install the Macintosh® Client PPD.
- 2. Find and launch Apple's Desktop Printer Utility.

If you are using OS 8.6 or 9.04, the utility can be found at Macintosh Hard Drive: Apple Extras folder: Apple LaserWriter Software: *Desktop Printer Utility*. If you are using OS 9.1, the utility can be found at Macintosh Hard Drive: Applications (Mac OS 9): Utilities: *Desktop Printer Utility*.

Mac OS 8.6 through 9.0.4

🗆 🔤 🦓 Apple Extras 📃 🗉 🗄			
12 items, 1.5 GB available			
Name	Date Modified	±	
🗢 🌂 Apple LaserWriter Software	Mon, May 10,		
🚔 Desktop Printer Utility	Mon, Mar 22,		
🕨 🏹 AppleScript	Mon, May 10,		
🕨 🏹 ColorSync Extras	Wed, Feb 10, 1		
🕨 🏹 FireWire	Mon, May 10,		
🕨 🏹 lomega	Mon, May 10,		
🕨 🏹 Mac OS Runtime For Java	Wed, Aug 4, 19		
🕨 🏹 Map Control Panel	Wed, Feb 10, 1		
🕨 🏹 Monitors Extras Folder	Wed, Feb 10, 1	-	
	4 F	11/	





Once the Desktop Printer Utility is launched, the following window appears:

New Desktop Printer
With AdobePS 🗢
Printer (AppleTalk) Printer (LPR)
Printer (ICR) Printer (no printer connection) Printer (USB) Translator (PostScript)
Create desktop printer for printer using LPR.
Cancel OK

- 3. Select the *AdobePS* driver from the list box and then the *Printer (LPR*) option from the Create Desktop... list. (To create a desktop printer, Imation recommends using the AdobePS driver.)
- 4. Click **OK**. A new window opens and prompts you to select both a PostScript Printer Description file and your LPR Printer.

Untitled 1	
PostScript [™] Printer Description (PPD) File	
Generic	Change
LPR Printer Selection	
<td>Change</td>	Change
Desktop Printer Usage : Print to LPR " < <unspecified>> " With Printer Driver : AdobePS</unspecified>	
with Frinter Univer: Adober's	Create

5. Click on the **Change** button for the PostScript Printer Description (PPD) File and highlight the **DocuColor12 (Imation)** printer. Then click on **Select**.



6. Click on the **Change** button for the LPR Printer Selection, then enter the Imation server IP address and Queue or spooler name. _

Internet Printer			
Specify the Internet printer you are printing to (using domain name or IP address)			
Printer Address:	163.228.153.167		
Queue:	enter spooler name here		
Verify	Cancel OK		

You may select the **Verify** button to make sure that you have entered the correct information. Select **OK** when finished.

- 7. Click on Create.
- 8. In the **Save desktop printer as:** field, enter a new name for the printer, then click on the **Save** button.



A new dialog window opens showing the progress while the Macintosh® client creates a new desktop printer.



When the Saving desktop printer dialog window disappears, a new desktop printer icon appears on your Macintosh® client.

