# Galileo<sup>®</sup> Print Manager<sup>™</sup> Installation Guide

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## Introduction

The Focalpoint<sup>®</sup> system uses Galileo<sup>®</sup> Print Manager<sup>™</sup> (GPM) to add ticket, itinerary, and MIR link capability. This guide describes how to install and configure GPM.

This product was formerly known as Focalpoint<sup>®</sup> Print Manager<sup>TM</sup> (FPM), and supported Focalpoint. Galileo Print Manager now supports Focalpoint as part of the Galileo Desktop<sup>®</sup> product release.

### Before You Begin

Depending on the setup of your PC, you may be required to insert your Windows<sup>®</sup> CD-ROM or diskettes during the GPM installation.

### Hardware Requirements

The minimum hardware requirements are:

- Pentium or higher
- 32MB RAM (or what the OS requires)
- 15MB Hard Disk Space
- Token Ring or Ethernet Network Adapter Card

### **Software Requirements**

The minimum software requirements are:

- Windows 98, Windows NT 4.0, Windows 2000, or Windows XP operating system.
- Windows Network Interface Card (NIC) and Microsoft TCP/IP Protocol Stack.
- If you plan to print tickets for a Galileo Rail product (e.g., SNCF Rail<sup>™</sup>, SNCB Rail<sup>™</sup>, RENFE<sup>™</sup>, etc.) you must use a separate MQ Print Manager product. To use MQ Print Manager, you must install IBM<sup>®</sup> MQSeries Client<sup>™</sup> (MQClient) before installing the Galileo Rail product. See *Appendix A* for more information.

The following information is provided on your Configuration Sheet or through your Galileo representative:

- MQ Manager Name
- MQ Channel Name
- MQ Answerback Queue
- MQ Server

### **Network Connection**

Before installing GPM, set the local IP Address.

Set Local IP Address

- 1. Navigate to the Windows Control Panel
- 2. View your Network settings:
  - ? Windows 9x and NT: Double-click the Network icon.
  - ? Windows 2000: Double click Network and Dial-Up Connections.
  - ? Windows XP:
    - a. *Category View*: Click Network and Internet Connections > Network Connections.
    - b. Classic View: Double-click Network Connections.
- 3. View your properties:
  - Windows 9x: Click the **Configurations** tab in the **Network** dialog box.
  - Windows NT: Click the **Protocols** tab.
  - Windows 2000 and XP: Right-click Local Area Connection. Select Properties.
- 4. Select the TCP/IP component associated with your Local Area Network card from the list of network components.
- 5. Click **Properties**.
- 6. Go to the IP Address Settings:
  - ? Windows 9x: Click the IP Address tab in the TCP/IP Properties dialog box. Click Specify an IP Address.
  - ? Windows NT: Select Specify an IP Address.
  - ? Windows 2000, and XP: Click Use the following IP address.
- 7. Set the TCP/IP Properties:
  - ? Windows 9x: Enter the IP Address and Subnet Mask supplied by your Galileo International representative. Click the Gateway tab. Enter the Default Gateway supplied by your Galileo representative.
  - ? Windows NT, 2000 and XP: Enter the IP Address, Subnet Mask, and Default Gateway supplied by your Galileo representative.
- 8. Click **OK**. If prompted to restart, click **OK** to restart the computer.

**NOTE**: See *Appendix A* or *B* (depending on your router type) in the *Focalpoint Installation Guide* to reserve IP addresses for GPM.

### **Communication (COM) Ports**

Personal computers generally provide two COM ports and one LPT port. Internal modems may be configured to use COM3, thereby reserving COM1 and COM 2 for ticket, itinerary, and/or Machine Interface Record (MIR) print devices. Your configuration may require an A/B switch or a serial port expander, if you need to support three print devices. Based on your configuration, you may need a COM port for each of the following print devices:

- Ticket printer
- MIR interface
- Dial-up modem
- Serial itinerary printer

### **Client Identification**

To install and use GPM, you need one Client ID and one Global Terminal Identifier (GTID) for each print device you use. Your Galileo International representative provides you with the Client ID and the GTIDs. You use these for the GPM installation and for connecting to the Galileo or Apollo host systems.

## Installing Galileo Print Manager

Follow the instructions below to install Galileo Print Manager.

### **IBM MQSeries Client**

Before you begin, determine whether you need to install the IBM<sup>®</sup> MQSeries Client<sup>TM</sup> (MQClient) software, which creates an MQ Print Manager feature that works in conjunction with GPM to provide ticketing capability for several Galileo products, including SNCF -Rail, DB Rail<sup>TM</sup>, SNCB - Rail, SIGMA<sup>TM</sup>, and RENFE<sup>TM</sup>. If you are planning to install and print tickets from Galileo Rail, you must install MQClient *before* you install GPM. See *Appendix A*. If you do not plan to install a Galileo Rail product, you do not need to install IBM MQSeries Client.

### Galileo Print Manager

If you are reinstalling Galileo Print Manager, or upgrading from a previous version, the Galileo Desktop Installer will remove the previous version. To remove an older version of Focalpoint manually, see *Removing Galileo Print Manager* (page 53) for more information.

- 1. Insert the Galileo Print Manager CD-ROM into the CD-ROM drive.
- 2. Click **Start** on the Windows taskbar then select **Run**.
- 3. Click **Browse** to select the CD-ROM drive, and double-click the drive.

See Windows Help if you need more information about locating files using the Browse feature.

4. Double-click setup.exe.



5. The Galileo Print Manager Setup window displays. Click Next.



6. If you have a previous version of Focalpoint was installed, the following screen displays. Click **OK**.

ľ	Information 🔀		
	Setup has determined that Document Production Server version 2.00.24 has been installed on this system.		
	It is recommended that version 2.00.24 is uninstalled before version 3.00.20 is installed.		
	Setup will now uninstall FPM version 2:00:24.		
	Cancel		

7. The uninstaller removes the previous version. Click **OK**.

Remove Programs From Your Computer		
	unInstallShield will remove the software 'Focalpoint Print Manager' from your computer. Please wait while each of the following components is removed Shared program files Standard program files Folder items Program folders Program folders Program directories Program registry entries Uninstall successfully completed.	
	ОК	

### Typical Setup

- 8. The Setup Type dialog displays. Your setup type depends on your type of ticketing.
  - a. Use the following examples to determine whether you use Typical ATB or Typical OPTAT for ticketing.



b. Select your type of ticketing (**Typical ATB** or **Typical OPTAT**), and click **Next**.

Setup Type	
	Click the type of Setup you prefer, then click Next.
	Typical ATB Typical OPTAT
<u> </u>	Description Installs GPM configuration files for a Host Service Agent, an ATB2 Ticket Device on COM1, an Itinerary Printer to the default Windows Printer.
	< Back Next > Cancel

c. If you had a previous version was installed, the following screen displays. Click Yes.

Question	20 C
Should setup retain the existing Configuration file	
	<u>Yes</u> <u>N</u> o

9. The Enter Client ID dialog displays. Type your Client ID and click Next.

Note: Your Galileo representative supplies you with your Client ID.

Enter Client ID	
	Please enter your Client Identifier. The Client ID can be up to 16 alphanumeric characters in length, and must consist of characters A through Z, 0 (zero) through 9. (e.g. GDEN0051). Client ID: Enter Client ID Provided by Galileo International
	< Back Next > Cancel

10. The Galileo Print Manager Selections dialog displays. Select the desired boxes and click Next.

Galileo Print Manager	Selections 🛛 🔀
	Please specify your options for Galileo Print Manager:
-	<ul> <li>Add Galileo Print Manager to the startup menu.</li> <li>Launch Galileo Print Manager after the installation.</li> </ul>
20	6
	< Back Next > Cancel

11. The **Start Copying Files** dialog displays. Click **Next** to start copying files to your hard disk.

Start Copying Files		X
	Setup has enough information to start copying the program file If you want to review or change any settings, click Back. If yo are satisfied with the settings, click Next to begin copying files. Current Settings:	u
	Product: Galileo Print Manager User Information: Access Products Galileo International	
<b>S</b>	Client ID: Client ID Setup Type:	
	Typical ATB	×

- 12. After the files are copied, the Enter Galileo Print Manager Configuration dialog displays.
  - a. Verify your Client Identifier.
  - b. Select Use Domain Name Services (DNS).
  - c. In the Configuration Server Name field, type **VPNIPCS.GALILEO.COM**.
  - d. In the *IP Concentrator Name* field, type **VPNIPC.GALILEO.COM**.
- 13. Click **OK**.

Enter Galileo Print Manager Configuration				
Client Identifier				
	ClientID			
	C Use Fixed Configuration Server Addresses			
Configuration Server Addresses must be of the form n.n.n.n, and must consist of numbers, 0 through 9. (e.g. 57.8.81.13).				
	Primary Server:			
	Secondary Server:			
	🖵 🏵 Use Domain Name Services (DNS)			
	Configuration Server Name: VPNIPCS.GALILEO.C			
	IP Concentrator Name: VPNIPC.GALILEO.CO			
	L			
	Cance			

- 14. The next steps of the installation vary, depending on whether you have installed the MQClient software for use with the Galileo Rail SNCF product (page 1).
  - If you have not installed MQClient, the **Setup Complete** dialog displays. Click **Finish** to complete GPM installation.

Note: If you are prompted to restart your computer, click No.

- If you have installed MQClient, continue to step 15.
- 15. If you have previously installed MQClient, the **Enter MQ Print Manager Configuration** dialog box displays. Enter the MQ Series Client values supplied by your configuration sheet or by your Galileo representative for the following fields.

Note: These values are case-sensitive.

- MQ Manager Name
- MQ Channel Name
- MQ Answerback Queue
- MQ Server

16. Click **OK**.

Enter MU Print Manager Cor	Iguration         MQ Client         MQ Channel Name:         MQ Channel Name:         MQ Answerback Queue:         MQ Server Addresses must be of the form n.n.n.n. and must consist of numbers, 0 through 9. [e.g. 57.8.81.13].         MQ Server:         MQ Server:
	DK Cancel

- 17. The Setup Complete dialog displays. Select Yes, I want to restart my computer now.
- 18. Click **Finish** to complete the Galileo Print Manager installation.

Setup Complete	N
	Setup has finished installing Galileo Print Manager on your computer. Before you can use the program, you must restart windows or your computer. Yes, I want to restart my computer now. No, I will restart my computer later. Select option and click Finish to complete setup.
	< Back Finish

## **Configuring Galileo Print Manager**

After GPM is installed, the printing devices need to be configured. Determine which of the following devices apply to your installation and follow the instructions for each of the devices.

- Ticketing setup
- Itinerary setup
- MIR device setup

### Ticketing Printer Setup

The following procedures explain how to configure the GPM software for ticketing on a single workstation.

1. From the Windows taskbar, choose **Start** > **All Programs** > **Focalpoint Print Manager** > **Configurations**.



2. The **Exploring Focalpoint Print Manager** configuration dialog displays. Right-click the **Default ATB** or the **Default OPTAT** icon. Select **Properties**.



3. The **Default ATB Properties** or the **Default OPTAT** dialog displays. Click the **Port** tab. This example is for OPTAT Properties.

Default OPTAT	Properties	
General Port	Comments	
Device Numb	per 1	
The device n	umber cannot be modified.	
Use the Wiza	rd to create new devices.	
Created:	10/10/2003 20:18	
Modified:	10/10/2003 20:18	
Accessed:	10/10/2003 20:18	
	OK Cancel	Apply

- 4. Click the **Port** tab.
- **Note:** The steps for configuring the Ticketing Printer are different for Windows 98/NT and Windows 2000/XP (page 14), respectively. Both sets of steps follow.

#### Windows 98 and Windows NT

5. Under **Available ports**, select the appropriate COM port for the ticket printer connection. In this example, it is COM1. Click **Configure Port**.

Note: The Ticket Printer must be installed on a COM port; not on an LPT port.

Default OPTAT Properties	×
General Port Comments	
Print Manager Serial Device	
Available ports:	
COM1: COM2:	
<u>C</u> onfigure Port	
OK Cancel	Apply

- 6. The **Port Settings** dialog box displays. Click each drop-down arrow to select the following recommended settings:
  - ? Bits per second: 9600
  - ? Data bits: 7
  - ? Parity: Odd
  - ? Stop bits: 1
  - ? Flow Control: Hardware

#### Note: These settings must match those of the printer.

7. Click Advanced.

<b>Communications</b> Port	(COM1) Properties	? ×
Port Settings		
<u>B</u> its per secor	id: 9600	
<u>D</u> ata bi	ts: 7	
<u>P</u> ari	ty: Odd	•
<u>S</u> top bi	ts: 1	
<u>F</u> low contr	ol: Hardware	•
<u>A</u> dvanced	<u>R</u> estore D	efaults
	OK	Cancel

8. The Advanced Port Settings dialog displays. Set the Transmit Buffer slider to Low. Click OK.

Advanced Port Settings	×
Use EIFO buffers (requires 16550 compatible UART) Select lower settings to correct connection problems. Select higher settings for faster performance.	OK Cancel
Beceive Buffer: Low (1)	<u>D</u> efaults
Iransmit Buffer: Low (1)	

 Click OK through the dialog boxes to return to the Focalpoint Print Manager dialog box. The ticketing setup is now complete. To configure the Itinerary Printer, continue to the next section.

#### Windows 2000 and Windows XP

5. Under **Available ports**, select the appropriate COM port for the ticket printer connection. In this example, it is COM1. Click **Configure Port**.

Note: The Ticket Printer must be installed on a COM port; not on an LPT port.

Default OPTAT Properties
General Port Comments
Print Manager Serial Device
Available ports:
COM1:
COM2: COM3:
COM4:
Configure Port
✓ Append ETX to Data Stream
OK Cancel Apply

- 6. The *Port* Properties dialog box displays. Click each drop-down arrow to select the following recommended settings:
  - ? Bits per second: 9600
  - ? Data bits: 7
  - ? Parity: Odd
  - ? Stop bits: 1
  - ? Flow Control: Hardware

#### Note: <u>These settings must match those of the</u> <u>printer.</u>



7. Click **OK**, then click **OK** again to close the dialog box.

8. From the Desktop, right-click My Computer and select Properties.



9. The System Properties dialog box displays. Click the Hardware tab.



10. The Hardware dialog box displays. Click Device Manager.



11. The **Device Manager List** displays. Expand **Ports (COM & LPT)** to display the available ports.



12. Double-click the desired Ticketing Printer port to display the **Communications Port Properties** dialog box.

ommun	ications Port (	COM1) Properties 🛛 🔹 💽 🔀
General	Port Settings Dr	iver Resources
Ţ	Communications	Port (COM1)
	Device type:	Ports (COM & LPT)
	Manufacturer:	(Standard port types)
	Location:	on Intel(R) 82801BA LPC Interface Controller -
This	e status device is working p	
	u are having proble the troubleshooter,	ms with this device, click Troubleshoot to
		Iroubleshoot
Device	usage:	
Use th	is device (enable)	~
		OK Cancel

13. Click the **Port Settings** tab to display the **Port Settings** dialog box.

14. Click **Advanced** button to display the **Advanced Settings** dialog box. Set the **Transmit Buffer** slider to **Low**. Click **OK**.

Advanced Settings for COM1	? 🗙
<ul> <li>✓ Use FIFD buffers (requires 16550 compatible UART)</li> <li>Select lower settings to correct connection problems.</li> <li>Select higher settings for faster performance.</li> <li>Receive Buffer: Low (1)</li> <li>Transmit Buffer: Low (1)</li> <li>High (16) (1)</li> </ul>	OK Cancel Defaults
COM Port Number: COM1	

15. Click **OK** through the dialog boxes close the System Properties.

The ticketing setup is now complete. To configure the Itinerary Printer, continue to the next section.

### Itinerary Printer Setup

If you are continuing from the previous section, the **Galileo Print Manager Configuration** window is already displayed. If it is not displayed, from the Windows taskbar, choose **Start** > **Programs** > **Galileo Print Manager** > **Configuration** to view the **Galileo Print Manager** configuration window.

### **Types of Itinerary Printers**

The following instructions detail configuration for the *Default* printer driver. However, in some cases, a DYO (*Design Your Own*) printer driver may be required to reconcile line-setting issues if non-standard paper sizes are used.

Because line settings for page breaks are assigned by the Apollo or Galileo CRS (not the printer) the page length settings may be incorrect if another paper size is used. The DYO printer driver can be used to reconcile pagination issues. In addition, the DYO driver offers a font size feature.

It is recommended to configure the Default printer first, and only use the DYO printer driver if necessary. If a DYO printer driver is required, see *Creating a DYO Printer Driver* (page 35) for instructions.

**Note:** The steps for configuring the Ticketing Printer are different for Windows 98/NT and Windows 2000/XP, respectively. Both sets of steps follow.

### Setting Up the Itinerary Printer

Windows 98 and Windows NT

1. Right-click the **Default Itinerary** icon. Select **Properties**.



2. The Default Itinerary Properties dialog box displays.

Note: The Device Number defaults to 2.

Default Itinerary P	Properties	×
General Printer	Comments	1
Device Numbe	er [2	
	mber cannot be modified. d to create new devices.	
		-
Created:	01/09/1997 16:24	
Modified:	25/08/1999 18:31	
Accessed:	25/08/1999 18:31	
Accessed.	23/00/1333 10.31	
	OK Cancel Ap	עלקי

- 3. Click the **Printer** tab. This tab displays all the printers installed on this machine.
  - a. If your printer name displays, proceed to step 16 in this section.
  - b. If your printer name does not display, click **Cancel** and continue to step 4 below.

Galileo Print Ma	anager Installation Wizard - Spooled Device 🛛 🛛 🔀
?	Available Printers: \\DENPTR01\\HP5_10 HP Color Lasedlet 4500 Mannesmann Tally MT 83 My New Printer
	✓ Use the Default printer ✓ Ignore Line Feed characters
	< <u>B</u> ack <u>N</u> ext > Cancel

Default Itinerary Properties
General Printer Comments
Print Manager Spooled Device
Available <u>Printers:</u>
Generic / Text Only
Use the <u>D</u> efault printer
OK Cancel Apply

Note: If installing the the DYO printer driver, select the following

4. On the Windows taskbar, choose Start > Settings > Printers.



5. Double-click the **Add Printer** icon.



6. Click Next.

Add Printer Wizard	
	This wizard will help you to install your printer quickly and easily.
	To begin installing your printer, click Next.
	K Back Next > Cancel

7. Select **Local Printer** or **Network Printer**, and click **Next**. A local printer is physically attached to the machine. A Network Printer is any printer you have access to via the network.

Note: The network printer only displays if you have a network card installed in your PC.

- 8. Select your printer manufacturer and printer type. Click Next.
  - **Note:** This example shows an itinerary printer provided by Galileo in the US market, and may be different from the printer you are using.

Add Prin	installation	nanufacturer	lave Dis	k. If your prin		ter came with an consult your printer
<u>M</u> anufa Fujitsu GCC Generic Gestetr Hermes HP IRM	ner	×	Printers Gener	: ic / Text Only		
				< Back	Next >	Have Disk

TI810 printer (Generic -Generic Text Only)

- 9. Follow the prompts until the **Add Printer Wizard** asks you to select a port. Select the appropriate port from the **Available Ports** list.
  - If you select a COM port, click **Configure Ports**.
  - If you select a LPT1 port, proceed to step 17 in this section.

- 10. The **COM Properties** dialog box displays:
  - Click each drop-down arrow to select the following settings:
    - a. Bits per second: 9600
    - b. Data bits: 7
    - c. Parity: Odd
    - d. Stop bits: 1
    - e. *Flow control:* Hardware
  - Click Advanced.

Note: COM2 is used in this example. These settings must match the printer settings.

COM2 Properties	? ×
Port Settings	
<u>B</u> its per second:	9600
<u>D</u> ata bits:	7
<u>P</u> arity:	Ddd 💌
<u>S</u> top bits:	1
Elow control:	Hardware
<u>A</u> dvanced	<u>R</u> estore Defaults
0	IK Cancel Apply

11. The **Advanced Port Settings** dialog box displays. Set the **Transmit Buffer** slider to **Low**. Click **OK**.

Advanced Port Settings	×
Use EIFO buffers (requires 16550 compatible UART) Select lower settings to correct connection problems. Select higher settings for faster performance.	OK Cancel
Beceive Buffer: Low (1)	<u>D</u> efaults
Iransmit Buffer: Low (1) High (16)	

12. Click **OK** through the dialog boxes to return to the **Add Printer Wizard Available Ports** dialog box. Click **Next**.

13. The Add Printer Wizard dialog box displays. Type the name of your printer in the *Printer Name* field. Click Next.

Add Printer Wizard	
summer set	You can type a name for this printer, or you can use the name supplied below. When you have finished, click Next. <u>Printer name:</u>
and the second s	<add here="" name="" printer=""></add>
	Your Windows-based programs will use this printer as the default printer.
	< Back Next > Cancel

14. If you are prompted to print a test page, select **Yes** and click **Finish**.



- 15. Close the **Printers** window.
- 16. Return to step 1 in the Itinerary Printer Setup section.
- 17. Select the printer you want to use for itinerary printing.
  - a. Deselect the Use the Default printer check box.
  - b. Click Apply.
  - c. Click OK.
  - d. If you are prompted to print a test page, select **Yes**.
  - e. Click **OK** through the dialog boxes to return to the Focalpoint Print Manager Configuration Server window.
- 18. On the Windows taskbar, choose **Start > Settings** > **Printers**.

19. Right-click the printer icon. Select **Properties**.



- 20. Click the **Paper** tab.
  - a. Select the appropriate paper size for the itinerary forms that you will be using and click **Apply**.

Note: Legal size is 14 inches and letter size is 11 inches.

b. Click **OK**.

I 850/855 F					? ×
General De	tails   Sharin	g Paper	Device Op	otions   For	nts
Paper size:	Letter 8 1/2	2 x 11 in			
+ Letter	+ LetterEx	+ Legal	+ LegalEx	+ A3	+ A4
Paper <u>s</u> ou	rce: Contir	nuous - Pa	ge Break		-
			L	Inprintable /	Area
		A <u>b</u> out.		Restore <u>D</u> e	faults
		OK	Canc	el	Apply

21. Close the **Printers** window.

Windows 2000 and Windows XP

The following steps detail instructions for configuring a local printer. The process differs slightly for network printers.

1. Right-click the **Default Itinerary** icon. Select **Properties**.



2. The **Default Itinerary Properties** dialog box displays.

Note: The Device Number defaults to 2.

Default Itinerary Properties 🛛 🛛 🔀				
General Printer Comments				
Device Number 2 The device number cannot be modified. Use the Wizard to create new devices.				
Created: 17/10/2003 20:07				
Modified: 17/10/2003 20:07				
Accessed: 17/10/2003 20:07				
k				
OK Cancel Apply				

- 3. Click the **Printer** tab. This tab displays all the printers installed on this machine.
  - a. If your printer name displays, select the name and click **OK**. Proceed to step 16 in this section.
  - b. If your printer name does not display, click **Cancel** and continue to step 4 below.

#### Note: By default, the Ignore Line Feed characters option is selected.

The Apollo and Galileo hosts use Carriage Return characters to create new lines. Certain other applications, such as Notepad, use Line Feed characters to create new lines. In some environments, GPM printers that are shared with these applications can cause double lines to print on tickets. This option prevents double-line printing. There should be no affect if this option remains selected in all printer environments.

Default Itinerary Properties
General Printer Comments
Print Manager Spooled Device
Available Printers:
HP Color LaserJet 4500 Mannesmann Tally MT 83
J
✓ Use the Default printer
Ignore Line Feed characters
N
45
OK Cancel Apply

4. On the Windows taskbar, choose **Start** > **Settings** > **Printers and Faxes**.



5. Double-click the Add Printer icon to display the Add Printer Wizard.



### 6. Click Next.

Add Printer Wizard			
	Welcome to the Add Printer Wizard		
	This wizard helps you install a printer or make printer connections.		
	If you have a Plug and Play printer that connects through a USB port (or any other hot pluggable port, such as IEEE 1394, infrared, and so on), you do not need to use this wizard. Click Cancel to close the wizard, and then plug the printer's cable into your computer or point the printer toward your computer's infrared port, and turn the printer on. Windows will automatically install the printer for you. To continue, click Next.		
	ß		
<back next=""> Cancel</back>			

7. Select Local printer attached to this computer or A network printer..., and click Next.

Note: The network printer only displays if you have a network card installed in your PC.

- If you select the **network printer** option, you are prompted to browse or enter the path for the printer.
- If you select the **local printer** option, and also select **Automatically detect and install my Plug and Play printer**, your system automatically searches for any local printers. If no local printers are located, you are prompted to manually install the printer, as described in step 9.
- If you select the **local printer** option, but do NOT select **Automatically detect and install my Plug and Play printer**, you are prompted to manually install the printer, as described in step 9.



- 8. The Select a Printer Port dialog box displays. Select the appropriate port from the **Available Ports** list.
  - If you select a COM port, click **Configure Ports**.
  - If you select a LPT1 port, proceed to step 14 in this section.

Add Printer Wizard				
Select a Printer Port Computers communicate with printers through ports.				
Select the port you want your printer to use. If the port is not listed, you can create a new port.				
<ul> <li>Use the following port:</li> </ul>	COM2: (Serial Port)			
Note: Most computers use the LPT1: port to communicate with a local printer. The connector for this port should look something like this:				
	A A			
Create a new port: Type of port:	Local Port			
	< Back Next > Cancel			

9. If you are manually installing a local printer, the **Install Printer Software** dialog box displays. Select the printer manufacturer and printer type. Click **Next**.

**Note:** This example is an itinerary printer provided by Galileo in the US market, and may be different from the printer you are using.

Add Printer Wizard
Install Printer Software The manufacturer and model determine which printer software to use.
Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for compatible printer software.
Manufacturer       Printers         Fuji Xerox       Generic / Text Only         Fujisu       Generic IBM Graphics 9pin         GCC       Generic IBM Graphics 9pin         Gestetner       MS Publisher Color Printer         This driver is digitally signed.       Windows Update         Tell me why driver signing is important       Windows Update
< Back Next > Cancel

TI810 printer (Generic-Generic Text Only)

- 10. The **Name Your Printer** dialog box displays. In **Printer Name**, type a name for your printer, or use the default name.
- 11. In **Do you want to use this printer as your default printer**, select *No*. Click **Next**.

Add Printer Wizard		
Name Your Printer You must assign a name to this printer.		
Type a name for this printer. Because some programs do n name combinations of more than 31 characters, it is best to possible.		
Printer name:		
My New Printer		
Do you want to use this printer as the default printer? Yes No		
Back	Next > Cancel	This screenshot should show th
No" selection		

12. The **Printer Sharing** dialog box displays. If desired, enter a share name to allow other users on your network to share this printer. Click **Next**.

Printer Sharing	
r ou can snare this print	er with other network users.
	printer, you must provide a share name. You can use the a new one. The share name will be visible to other network
💿 Do not share this prir	iter
🔘 Share name:	
	N
	r)

13. If the Print Test Page dialog box display, select **Yes**, then click **Next**.

Add Printer Wizard			
Print Test Page To confirm that the printer is installed properly	y, you can print a l	est page.	
Do you want to print a test page?			
O N <u>o</u>			
	< <u>B</u> ack	<u>N</u> ext >	Cancel

14. The Completing the Add Printer Wizard window displays. Click **Finish** to complete the installation.



- 15. Return to Step 1 in this section. WHAT???
- 16. On the Windows taskbar, choose **Start > Settings** > **Printers and Faxes**.
- 17. Right-click the Itinerary printer icon. Select Properties.


- 18. Click the **Device Settings** tab.
  - a. Click the Cont. Feed No Break arrow, and select the desired paper size.

Note: Legal size is  $8\frac{1}{2} \times 14$  inches and letter size is  $8\frac{1}{2} \times 11$  inches.

b. Click **OK**.



19. Click the **Ports** tab, then click the **Configure Port** button..

Generic /	Text Only P	roperties			?
Device Se	ttings	Printer Comma	nds	Font 9	Selection
General	Sharing	Ports	Advanc	ed 👔	Security
Ge Ge	neric / Text On	ly			
checked port	<u>energi energi energi</u>			first free	. —
Port	Description	Prin	ter		^
LPT1:	Printer Port	Acro	bat PDFWr	iter	
LPT2:	Printer Port				≡
LPT3:	Printer Port				
🗆 сом1:	Serial Port				
☑ COM2:	Serial Port	Gen	eric / Text (	Only	
🗆 сомз:	Serial Port				
🗆 сом4:	Serial Port				<b>~</b>
Add Po	or <u>t</u>	<u>D</u> elete Port		<u>C</u> onfigure	e Port
Enable bio	lirectional suppo	ort			
Enable pri	nter pooling				
		ОК	Cano	el	Apply

- 20. The *Port* **Properties** dialog box displays. Click each drop-down arrow to select the following recommended settings:
  - ? Bits per second: 9600
  - ? Data bits: 7
  - ? Parity: Odd
  - ? Stop bits: 1
  - ? Flow Control: Hardware

### Note: These settings must match those of the printer.

M1 Properties		?
Bits per second:	9600	~
Data bits:	7	~
Parity:	Odd	~
Stop bits:	1	~
Flow control:	Hardware	×
		Restore Defaults
0	K Car	ncel Apply

21. Click **OK** through the dialog boxes close the System Properties. The ticketing setup is now complete. To configure the Itinerary Printer, continue to the next section.

### **Creating a DYO Printer Driver**

The *Default* printer driver is the standard printer driver for printing itineraries, as discussed in *Types of Itinerary Printers* (page 19). However, a DYO (*Design Your Own*) printer driver can be used to reconcile line-setting issues if non-standard paper sizes are used to print itineraries.

### To create a DYO printer driver:

- 1. Click **Start** and navigate to the Programs folder.
- 2. Select **Galileo Desktop**, and then select **Configuration**. The Galileo Print Manager Configuration folder displays.
- 3. Click the **Device Wizard** icon.



Galileo Print Manager Installation Guide

- 4. The Device Selection dialog box displays.
  - c. Type the appropriate device number (typically 2) in the Device Number field.
     Note: The number 2 assumes the GTID being used for itineraries is the second listed GTID.
  - d. Type My DYO Itinerary or a similar name in the Device Name field.

Note: This text box is not case-sensitive.

- e. Click the **Printer Type** arrow and select *DYO Itinerary*.
- f. Click Next.

Galileo Print Manager Installation Wizard - Device Selection 💦 🔀				
easily. Device Numb Select a uniqu Device Name You can type Galileo Print M Printer Iype	help you install a host printer quickly and ar 2 le device number for the printer. My DYO Itinerary a name for this device, or you can let anager generate a name for you. Apollo ATB Printer Compupint Printer DYO Itinerary Galileo ATB Printer DYO Itinerary Galileo ATB Printer Itinerary or other Printer MIR to Disk MIR to Serial Port < Back Next> Cancel			

- 5. The **Spooled Device** dialog box displays:
  - a. Select the appropriate printer in the Available Printers list.
  - b. If desired, select Use the Default printer.
  - c. If your printer has an issue with printing double lines, select **Ignore Line Feed** characters .
  - d. Click the **Add/Delete Extra Lines Per Page** arrow to set the number of lines for the itinerary paper size.
  - e. If desired, click the **Font Size** arrow to select another font size for itineraries.
  - f. Click Next.

Galileo Print Manager Installation Wizard - Spooled Device 🛛 🛛 🔀				
	Available Printers: \LENPTR01\HP5_10 HP Color LaseJet 4500 Mannesmann Tally MT 83 My New Printer			
	✓ Use the Default printer         ✓ Ignore Line Feed characters         00 ▼       Add/Delete Extra Lines Per Page         12 ▼       Font Size			
	< Back Next > Cancel			

- 6. The **Comment** dialog box displays. If desired, add a description and comments about the printer. Click **Next**.
- 7. The **Confirmation** dialog box displays. Click **Finish** to redisplay the Galileo Desktop Configuration folder.



The DYO Itinerary icon displays.

8. Set up the DYO printer using the same instructions used for the Default printer. See *Setting Up the Itinerary Printer* on page 19.

# MIR Device Setup

There are two types of MIR devices: MIR to Serial Port and MIR to Disk. Determine which MIR device you are using and proceed to the configuration instructions for that device.

- If you are sending MIRs directly to a back office, you need to configure the MIR to Serial Port device.
- If you are saving MIRs to a hard disk, you need to configure the MIR to Disk device.

## Configuration Instructions for MIR to Serial Port

1. On the Windows taskbar, choose **Start** > **Programs** > **Galileo Print Manager** > **Configuration**.

11				
🍠	Internet Explorer			
8	Microsoft FrontPage			
1	Microsoft Visio			
	Microsoft Visual SourceSafe 6.0			
	Navigator			
2	Remote Assistance			
0	Windows Media Player			
8	Windows Messenger			
6	Galileo Print Manager 🔶		Ę,	Configurations
0	Jasc Software		?	Event Viewer
		4	9	Print Manager
		1-		
		5		

2. Choose **File** > **New**> **Device**.



- 3. The Galileo Print Manager Installation Wizard-Device Selection dialog box displays.
  - a. Type **3** in the **Device Number** field.
  - b. Note: The number 3 assumes the GTID being used for the MIR is the third listed GTID.
  - c. Type MIR LINK in the Device Name field.
  - d. Note: This text box is not case-sensitive.
  - e. Click the **Printer Type** arrow and select *MIR to Serial Port*.
  - f. Click Next.

Galileo Print Manager Installation Wizard - Device Selection 💦 🔀				
	This wizard will help you install a host printer quickly and easily. Device Number 3 Select a unique device number for the printer. Device Name MIR LINK You can type a name for this device, or you can let Gallieo Print Manager generate a name for you. Printer Type MIR to Serial Port			
	< Back Next > Cancel			

- 4. The Focalpoint Print Manger Installation Wizard MIR to Serial Port dialog box displays :
  - a. Select the appropriate COM port in the Available ports list.

**Note:** On a single workstation, you may require an A/B switch if two devices, such as itinerary and MIR, are sharing a COM Port. Or, you may need a serial port expander if you have an external modem.

b. If you are targeting the Apollo host, select the **Append ETX to Data Stream** check box.

**Note:** It is important to establish with the back office system provider whether they use ETX (end of text) or not, before you proceed.

c. Click Configure Port.

Galileo Print Manager Installation Wizard - MIR to Serial Port 👘 🔯				
	Click the port you want to use with this printer, and then click Next. Available ports: COM1: COM2: COM3: COM4:			
	Configure Port			
	< Back Next > Cancel			

- 5. The COM Properties dialog box displays. Click each drop-down arrow to select the following settings:
  - Bits per second: **9600**
  - *Data bits:* **7**
  - Parity: Odd
  - *Stop bits:* **1**
  - Flow Control: Hardware

Note: These settings need to match the Back Office settings.

COM2 Properties	?
Port Settings	
Bits per second:	9600
<u>D</u> ata bits:	7
Parity:	Odd
<u>S</u> top bits:	1
Elow control:	Hardware 🗸
	<u>R</u> estore Defaults
0	K Cancel Apply

- 6. Set the Transmit Buffer performance. The steps for setting the buffer are slightly different for Windows 98/NT and Windows 2000/XP, respectively.
  - ? Windows 98/NT
    - a. Click Advanced.
    - b. The Advanced Port Settings dialog box displays. Set the Transmit Buffer slider to *Low* and click OK.

Advanced Port Settings	×
<ul> <li>Use <u>FIFO</u> buffers (requires 16550 compatible UART)</li> <li>Select lower settings to correct connection problems.</li> <li>Select higher settings for faster performance.</li> </ul>	OK Cancel
Receive Buffer: Low (1)	<u>D</u> efaults
Iransmit Buffer: Low (1)	

c. Click OK to display the Galileo Print Manager – MIR to Serial Port dialog box.

### Windows 2000/XP

Skip this step for now, and continue to step 7.

7. If desired, type in Comments and Location information for the new printer, and click Next.

Galileo Print Manager Installation Wizard - MIR to Serial Port 💦 🔀					
	device in the bo Comment Our	etails about this ixes below. AS400 link to the ounting system.		-	
<b>,</b>	Location Floo	r B, room 103		_	
R	,				
		< Back	Next >	Cancel	

8. When prompted to print a test page, select No and click Finish.

Galileo Print Ma	anager Installation Wizard - MIR to Serial Port 👘 🔀
	After your MIR device is installed, you can print a test page, so you can confirm that the device is set up properly. Would you like to print a test page? Yes (Recommended) Yes (Recommended) No If the test fails please refer to the Trouble Shooting section of the Print Manager Help
	< Back Finish Cancel

The MIR Link icon displays on the Galileo Print Manager configuration window.

🚰 Exploring - G			
<u>Fi</u> le <u>E</u> dit ⊻iew	F <u>a</u> vorites <u>T</u> ool	s <u>H</u> elp	A.
Name		Device Number	
Print Manager		N/A	
🔋 Default OPTAT		1	
Default Itinerary		2	
AMIR LINK		3	

Windows 98/NT users have now completed the process. Windows 2000/XP users continue to step 8 to set the Transmit Buffer.

9. From the Desktop, right-click **My Computer** and select **Properties**.



10. The System Properties dialog box displays. Click the Hardware tab.

System Properties			? 🔀
System Restore	Automa	tic Updates	Remote
General Computer	Name	Hardware	Advanced
	B	stem: Microsoft Window Professional Version 2002 Service Pack 1 sgistered to: Access Products Galileo Internation 55274-640-14725 mputer: Intel(R) Pentium(R) 4 CPL 2.19 GHz 1.00 GB of RAM	nal 181-23096
	OK	Cance	Apply

11. The Hardware dialog box displays. Click Device Manager.



12. The Device Manager List displays. Expand **Ports (COM & LPT)** to display the available ports.



13. Double-click the desired Ticketing Printer port to display the **Communications Port Properties** dialog box.

ommun	ications Port ((	COM2) Properties 🛛 🔹 👔				
General	Port Settings Dr	iver Resources				
Communications Port (COM2)						
	Device type:	Ports (COM & LPT)				
	Manufacturer:	(Standard port types)				
	Location:	on Intel(R) 82801BA LPC Interface Controller -				
This If you	e status device is working p u are having proble the troubleshooter.	properly.				
<u>D</u> evice	usage:					
Use th	is device (enable)	✓				
		OK Cancel				

14. Click the **Port Settings** tab to display the **Port Settings** dialog box.

ieneral Port	Settings Driver Resource	29	
	<u>B</u> its per second:	9600	~
	<u>D</u> ata bits:	8	~
	Parity:	None	~
	<u>S</u> top bits:	1	~
	Elow control:	None	~
	<u>_</u> ≜dv	vanced <u>R</u> ex	store Defaults

15. Click **Advanced** button to display the **Advanced Settings** dialog box. Set the **Transmit Buffer** slider to **Low**. Click **OK**.

Advanced Settings for COM1	? 🗙
<ul> <li>✓ Use FIFO buffers (requires 16550 compatible UART)</li> <li>Select lower settings to correct connection problems.</li> <li>Select higher settings for faster performance.</li> <li>Receive Buffer: Low (1)</li> <li>Transmit Buffer: Low (1)</li> <li>High (14) (1)</li> <li>Transmit Buffer: Low (1)</li> </ul>	OK Cancel Defaults
COM Port Number: COM1	

16. Click **OK** through the dialog boxes close the System Properties.

The MIR Link icon displays on the Galileo Print Manager configuration window.

🚰 Ex	plori	ng - Ga	alileo Prin	t Mana	ger	_ 🗆 🔀
Eile	<u>E</u> dit	⊻iew	F <u>a</u> vorites	<u>T</u> ools	Help	
Name					Device Number	
Pri	nt Man	ager			N/A	
😨 Del	fault O	PTAT			1	
Del	fault It	inerary			2	
<b>A</b> MIR	R LINK				3	

### Configuration Instructions for MIR to Disk

If you are continuing from the previous section, the Galileo Print Manager Configuration window already displays. If it is not displayed, from the Windows taskbar, choose **Start > Programs > Galileo Print Manager > Configuration** to view the Galileo Print Manager window.

1. Choose **File** > **New**> **Device**.



- 2. The Galileo Print Manager Installation Wizard-Device Selection dialog displays.
  - a. Type **3** in the Device Number field.

Note: The number 3 assumes the GTID being used for the MIR is the third listed GTID.

- b. Type **MIR LINK** in the Device Name field. **Note**: This text box is not case-sensitive.
- c. Click the Printer Type drop-down arrow and select *MIR to Disk*.
- 3. Click Next.



4. The Galileo Print Manager Installation Wizard-MIR to Disk dialog box displays. Click **Next**.

Galileo Print Ma	anager Installation Wizard - MIR to Disk
	Please select the directory where your MIR files will be written MIR directory CMIR Browse
	< Back Next > Cancel

Note: If you receive a Warning message, click Yes.

Warning	
?	The directory C:\MIR does not exist. Would you like to create it?
	Yes <u>N</u> o

- 5. Click **OK** to display the **Galileo Print Manager MIR to Disk** dialog box.
- 6. If desired, type in Comments and Location information for the new printer, and click Next.

Gallileo Print Manager Installation Wizard - MIR to Disk	X
You can enter details about this new device in the boxes below.         Comment         Location             < Back       Next >	Cancel

7. When prompted to print a test page, select **Yes** and click **Finish**.



The MIR Link icon displays on the Galileo Print Manager configuration window.



8. Close the **Galileo Print Manager** configuration window. All print devices have been configured.

# **Getting Started with Galileo Print Manager**

GPM is now installed and configured. You are ready to begin using the Print Manager with Galileo Desktop.

- 1. In Galileo Desktop, open Focalpoint and sign on to begin your Focalpoint session.
- 2. If Focalpoint Print Manger is not currently open, choose **Start** > **Programs** > **Galileo Print Manager** > **Print Manager**.



3. The Galileo Print Manager window displays.

**Note:** The Galileo Print Manager application must remain open to run tickets. However, you can minimize the window.

🔛 Galileo Print Manager		
File View Tools Help		
Status Configuration Server IP	Cs GTIDs	
Local Address:	10.194.4.224	
Valid server configuration		
<u>A</u> uto-configured		
<u>C</u> onnected to Host		
IPC Address:		
<u>R</u> egistered with Host		
Listening for connection	LSTN	

- 4. If you plan to use GPM in conjunction with a Galileo Rail product, you must also open the MQClient application.
  - If MQClient is currently running, click the MQClient <sup>(1)</sup>/<sub>(2)</sub> icon on the Windows taskbar.
  - If MQClient is not currently running, choose Start > Programs > Galileo Print Manager > MQ Print Manager to display the MQClient dialog box. Minimize the dialog box.

MQ Print Mana	ger	
File View Tools H	ielp	
Client Queu	ID: GDENOVF e Mgr: DOCPROI	P2FPMXVP D1
Queue GDEN0VP2FPM GDEN0VP2FPM GDEN0VP2FPM	Device Number GPM1 GPM2 GPM3	Status Q Empty Q Empty Q Empty Q Empty
, 		

5. Optional. Adjust MQ Polling settings.

The MQClient determines if there are available tickets to print by *polling*, or sending requests to the Apollo or Galileo host at regular intervals. For most agencies, the default polling interval is appropriate. However, in some instances, agencies may want to adjust the polling interval.

For example, agencies that print tickets only once a day, and manually disable queues for the rest of the day, do not need to poll regularly for tickets. These agencies can reduce the polling time, which frees network bandwidth, without adversely affecting their business operations.

However, adjusting the polling settings should be approached with caution. For example, there is a three-second maximum setting for polling frequency. However, using this maximum setting will not necessarily print tickets more quickly. In some cases, network bandwidth that is used for ticketing can be reduced because that bandwidth has been diverted to supported increased polling requests. All network requirements should be considered before adjusting polling settings.

### To adjust the MQ Polling Settings:

a. Click **Tools**, and select **Polling Settings**.

۲	MQ Pri	nt Ma	nager			×
File	View	Tools	Help			
_		Poli	ing Settings			_
	10	Cor	nfigure 📉			
	(XX)	Tra	ce	56:	367	
		Che	ck Queues Now			
	Queue		Device Number		Status	 T
	GBLAH56				Failed	-
6	GBLAH56	6367002	2 GPM2		Failed	

b. The **GPM Advanced Configuration** dialog box displays. Enter the desired settings for each type of queue.

**Note**: The *inactive* polling period overrides all other polling if the inactivity time is reached.

GPM Advanced Configura	tion	2		X
Queue Polling Configuration- Check active queue every	15			
Check queue that is inactive	e for 600	seconds every 30	) seconds	
Check inhibited/downed qu	eues every 30			
	ОК	Cancel		

6. *Optional*. Setting MQClient to connect on startup. MQClient can be set to automatically content to the Apollo or Galileo host when a client server or workstation is started up. However, this option is available if the system is already fully configured.

### To connect MQClient on startup:

Click Tools, then select Connect on Startup.

📆 Galileo Print Manager	
File View Tools Help	
Status Cc Auto-configure GTIDs	
Connect On Startup Connect Now Disconnect 34.3.32	
⊻al Trace	
Auto-configured	
Connected to Host	
IPC Address:	
Registered with Host	
Automatically initiate a host connection when application	

Galileo Print Manager Installation Guide

# **Removing Galileo Print Manager**

GPM uses the standard Add/Remove Program feature for Windows.

# Removing Galileo Print Manager

If you are reinstalling GPM, you must completely remove the current GPM software. Do not install GPM over an existing version.

- 1. Choose **Start** > **Settings** > **Control Panel** The Control Panel folder displays.
- 2. Double-click the Add/Remove Programs icon. The Add/Remove Programs Properties dialog box displays.



- 3. Select Galileo Print Manager from the software list.
- 4. Click Add/Remove.
- 5. Click Yes, when prompted to remove Galileo Print Manager.



6. If prompted to remove one or more shared files, click Yes to All.

Remove Share	d File?
The system indicates that the following shared file is no longer used by any programs. If any programs are still using this file and it is removed, those programs may not function. Are you sure you want to remove the shared file?	
	will not harm your system. If you are not sure what to do, it is ou choose to not remove this shared component.
File name:	DpsNameSpace.dll
Located in:	C:\Program Files\Focalpoint\DPS\System\
<u>Y</u> es	Yes To <u>A</u> ll <u>No</u> No to All

7. If prompted to confirm the removal of the shared files, click **Yes**.

Remove	Shared File?
?	You have chosen to remove all shared components which the system indicates are no longer being used. This may cause some programs not to function if they still require any of these files. Are you sure you want to proceed?
	<u>Y</u> es

8. The removal process displays on the **Remove Programs from Your Computer** window. When the process is completed, click **OK**.



- 9. In the Add/Remove Programs Properties dialog box, click OK to close the dialog.
- 10. After Galileo Print Manager is removed, click OK to restart your computer.

'Focalpoint Print Manager' has been removed from your system. It is recommended that you restart your machine to remove files that were in use during uninstall.
OK

# Appendix A: Installing and Uninstalling IBM MQSeries Client

The IBM<sup>®</sup> MQSeries Client (MQClient) software creates an MQ Print Manager feature, which works in conjunction with GPM to provide ticketing printing capability for a Galileo Rail and other non-air products.

## Installing IBM MQSeries Client

These products include DB Rail, SNCF Rail, SNCB Rail, SIGMA, and RENFE. If you are planning to install and print tickets from a Galileo Rail product, you must install MQClient **before** you install GPM.

Prior to installing MQClient, your configuration sheet or your Galileo representative will provide the following information:

- MQ Manager Name
- MQ Channel Name
- MQ Answerback Queue
- MQ Server

**Note**: If you have previously installed GPM and are now planning to install a Galileo Rail product, you must uninstall GPM. After uninstalling the Print Manager, you must install MQClient, install the Galileo Rail product, and then reinstall GPM. The following example will use Galileo Rail – SNCF.

### To install MQSeries Client:

- 1. Insert the Galileo Rail SNCF CD-ROM into the CD-ROM drive.
- 2. Right-click the **Start** menu on the Windows taskbar and click **Explore**.
- 3. Select your CD-ROM drive, which displays the product title.



- 4. Select the GPM folder.
- 5. Select the **IBM MQ Client** folder.
- 6. Select the appropriate folder for installation:
  - For Windows 9x (95 or 98): Choose 9x > Win95 > SetupEn.
  - For Windows NT, 2000, or XP: Select Nt.
- 7. Double-click Setup.exe.

For Windows 9x, go to the **Windows 9x** section. For Windows NT, 2000, or XP, go to the **Windows NT, 2000, or XP** section.

## Windows 9x

The MQ Series client for Windows 95 screen displays.



1. The Welcome dialog box displays. Click Next.

Welcome	×
	Welcome to the MQSeries Setup program. This program will install MQSeries on your computer.
	It is strongly recommended that you exit all Windows programs before running this Setup program.
X	Click Cancel to quit Setup and then close any programs you have running. Click Next to continue with the Setup program.
<u>9</u> 27	WARNING: This program is protected by copyright law and international treaties.
X	Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.
	Next > Cancel

2. The **Select Destination Directory** dialog displays. Click **Next** to confirm the directory for the MQClient files.

**Note**: If you do not want to save the files to the default directory, use the Browse feature to select another directory.

Select Destination Direct	cory for MQSeries Program Files
	Setup will install MQSeries in the following directory. To install to this directory, click Next. To install to a different directory, click Browse and select another directory. You can choose not to install MQSeries by clicking Cancel to exit Setup.
	Destination Directory C:\MQClient Browse < Back Next > Cancel

- 3. The Choose MQ Series Components dialog displays.
  - a. Ensure that MQClient for Windows and MQSeries Toolkit are checked.
  - b. Click Next.

Choose MQSeries Compo	onents	x
	From the Component list select any items you wish to install. De-select any items not required. The Space Bar will select/de-select the items or click on the tick. <u>C</u> omponents <u>MQSeries Client for Windows 95</u> 4863 K	ī
W	✓ MQSeries Toolkit 3551 K	
	Description This option will install the MQSeries Client for Windows 95	
	Space Required: 4863 K Space Available: 2096832 K	
	< <u>B</u> ack <u>N</u> ext> Cancel	

4. The **Select Program Folder** dialog box displays. Click **Next** to confirm the program folder name.

5. The Start Copy Files window displays. Click Next.

Start Copying Files	×
	Setup has enough information to start copying MQSeries files. If you want to review or change any settings, click Back. If you are satisfied with the settings, click Next to begin copying files.
	Current Settings:
Nº A	SetupType defined for MQSeries MQSeries Client for Windows 95
	Target Directory for Program Files c:\mqclient
	Target Directory for Data Files c:\mqclient
	Program Folder MQSeries Client for Windows 95
	T P
	< <u>B</u> ack <u>Next&gt;</u> Cancel

6. The Readme window displays. Uncheck View the ReadMe File and click Next.



- 7. The MQSeries Installation complete window displays.
  - a. Click **No, I will restart my computer later.** It is not necessary to restart your system before installing Galileo Print Manager.
  - b. Click Finish.

MQSeries Installation com	plete.
	IBM MQSeries Client for Windows 95 has been successfully installed. Before you can use MQSeries, you must re-start your computer. Yes, I want to restart my computer now. No, I will restart my computer later. Please remove any diskettes from their drives and click Finish to complete the Setup.
	< Back Finish

## Windows NT, 2000, XP

The MQ Series client for Windows NT and Windows 2000 displays.



1. Click **Next** in the **Welcome** dialog box.

Welcome	×	
• •	Welcome to MQSeries. This Setup program will install MQSeries for Windows NT and Windows 2000, Version 5.2 on your computer.	
	We strongly recommend that you close all Windows programs before running this Setup program.	
<b>b</b>	Click Cancel to exit Setup and then close any programs you have running. Click Next to continue with Setup.	
WARNING: This program is protected by copyright law and international treaties.		
Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.		
	Next > Cancel	

1. Click Yes in the Read License Conditions dialog box. (make this 2)



2. MQSeries checks your system for installed components.



3. Click **Browse** to select the installation destination folders in the **Choose Installation Folders** dialog box. Click **Next**.

Choose Installation Folde	rr5	×
	Choose the MQSeries installation folders:  Program files top-level folder  E:\Program Files\MQSeries Client  Data files top-level folder  E:\Program Files\MQSeries Client Browse	
	< Back Next > Cancel	

- 4. Select the options you would like to install in the Select Components dialog box:
  - **Client**: Enables applications to run as clients of remote queue managers. At minimum, you must install this.
  - **Development Toolkit**: Installs the files you need to develop MQ Series Applications.
  - Internet Gateway: Provides access to MQ Series applications via HTML and CGI.
  - Internet Gateway Documentation (HTML): The Internet Gateway documentaton in HTML.



5. Click Next in the Select Program Folder dialog box.



Galileo Print Manager Installation Guide

6. Click Next in the Ready to Copy Files dialog box.

Ready to Copy Files		×
	Setup has finished gathering information. If you want to review change any settings, click Back, otherwise click Next to begin installation Summary: MQSeries Installation Summary for Computer 'APTSB0B' Components to Install: Client Components to Refresh: None Components to Skip: None Components to Remove:	
Print	< Back Next > Cance	

NT Client files are copied to your computer.

Copying Windows NT Client files e:\program files\mqseries client\bin\imqb23vn.dll		
	19 %	
	Cancel	

7. Click **Finish** in the **Setup Complete** dialog box.



# Uninstalling IBM MQSeries Client

## Windows 9x

- 1. Choose **Start > Settings > Control Panel**. The Control Panel folder displays.
- 2. Double-click the Add/Remove Programs icon. The Add/Remove Programs Properties dialog box displays.



- 3. Select **MQSeries Client** from the software list.
- 4. Click Add/Remove.
- 5. The Select Components dialog displays. Select **MQSeries Client for Windows** and **MQSeries Tookit** in the Components list. Click **Remove**.



6. After the removal is completed, a confirmation window displays. Click **OK**.



7. In the Add/Remove Programs Properties dialog box, click OK to close the dialog, or select another software application to remove.

#### Windows NT, 2000, XP

- 1. Choose Start > Control Panel.
- 2. Double-click Add / Remove Programs.
- 3. Select IBM MQ Series.
- 4. Click Remove.
- 5. Select Uninstall all of MQSeries in the MQSeries Client Uninstallation dialog box.

MQSeries Client Uninstallation		
Ŕ	Welcome to MQSeries for Windows NT and Windows 2000 uninstallation. This program will remove the Client, or some of its components, from your computer. Make sure there are no MQSeries programs or processes running before proceeding.	
	Options O Uninstall one or more components	
	C Uninstall all of MQSeries	
	Next > Cancel	

6. Click Next in the Confirm Uninstallation of all MQSeries Files and Data dialog box.



The Uninstalling MQSeries screen displays.



7. Click Finish in the Uninstallation Nearly Complete dialog box.

