

MDC Bluetooth + 56K Modem

User's Guide &

Manual

Bluetooth\Modem Combo Card

Portable of module Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device is intended only for OEM integrators under the following conditions:

1) The transmitter module may not be co-located with any other transmitter or antenna.

As long as conduction above is met, further <u>transmitter</u> test will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed (for example, digital device emissions, PC peripheral requirements, etc.).

IMPORTANT NOTE: In the event that these conditions <u>can not be met</u> (for example certain laptop configurations or co-location with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID <u>can</u> <u>not</u> be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

End Product Labeling

The final end product must be labeled in a visible area with the following: "Contains TX FCC ID: NLF-MDCBTSC1

Manual Information That Must be Included

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the users manual of the end product which integrate this module.

The users manual for OEM integrators must include the following information in a prominent location " IMPORTANT NOTE: To comply with FCC RF exposure compliance requirements. The antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

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1.Introduction:

HAMR5603 from Smart Link is the first in a series of V.90 host modem drivers optimized for Mobile Daughter Card (MDC) specifications. HAMR5603 adds V.90 modem, fax and telephony features to chipsets from Silicon Labs. This complete solution, using a single board layout, is certifiable in most countries worldwide. Its small form factor makes it ideal notebook environments. The following is product features of MDC modem.

2.Features:

Data Modem

- 56 Kbps (K56Flex and V.90)
- V.34 (4.8 Kbps to 33.6 Kbps)
- V.32 bis (4.8 Kbps to 14.4 Kbps)
- V.22 bis (50 bps to 2.4 Kbps)
- V21, Bell 103 / Bell 212
- V.42 bis/MNP 5 data compression
- V.42/MNP 2-4 error correction
- Virtual Com port with a throughput of up to 460.8 Kbps
- Hayes AT Command set
- TIES escape code

Fax Modem Standard

Send and receive rates up to 14.4 kbps, V.17, V.29, V.27ter

Telephony Services

• Country Select

• TAM

System Requirements

- Pentium based (233 MHz and above)
- Windows 95 or Windows 98, Windows ME, Windows 2000, Windows XP
- MDC Slot
- 8 Mbytes RAM (Drivers occupy ~ 1MB)

Bus Interface

Compliant to Intel Mobile Audio/Modem Daughter Card Specification 1.0

Hardware

• Primary/Secondary Operating Modes

Software

- TAPI
- Multimedia API
- AT command set standard

Power Management

Supports ACPI Power Management and wake-up on ring.

3.Mechanical:

Line Interface

Connected to RJ-11 on motherboard through connector.

Dimension

45.0 mm x 27.0 mm x 4.7 mm (L*W*H)

4. Driver installation:

Before install this modem driver please make sure your PC or Notebook soundcard driver is ready.

-Windows 98 installation:

- Insert this HAMR56 or SmartRiser56 modem (Here in after we call it "the Device") into your PC or Notebook MDC slot and power on.
- 1. After start, please check device manager from control panel, you will see an exclamation mark on PCI Card this device, please select this device and click **"Properties"**.

System Properties			
General Device Manager Hardware Profiles Performance			
• View devices by type • • • • • • • • • • • • • • • • • • •			
Computer Image: Solution of the second of			
Properties Refresh Remove Print			
OK Cancel			

2. Select "Reinstall Driver".

PCI Card Properties	? ×
General Driver Resources	
PCI Card	
Device type: Other devices	
Manufacturer: None specified.	
Hardware version: 160	
Device status	
The drivers for this device are not installed (Code 28.).To reinstall the drivers for this device, click Reinstall Driver	
Rejnstall Driver	
Device usage Disable in this hardware profile Exists in all hardware profiles	
OK Car	ncel

3. System will popup "Update Device Driver Wizard" window, and click "Next".



4.Select "Search for the best driver for your device. (Recommended)" and click "Next".



5.Insert the driver disk and select the driver location, then click "Next". Update Device Driver Wizard

	Windows will search for updated drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.	
< <u>B</u> ack Next > Cancel		

6. Windows 98 will search and recognize the driver of the Device. Click "Next".

Update Device Driver Wizard		
	Windows driver file search for the device:	
	HAMR56 or SmartRiser56 Voice Modem	
	Windows is now ready to install the best driver for this device. Click Back to select a different driver, or click Next to continue.	
🛛 🗞 🌧 🗌	Location of driver:	
	E:\DRIVER\WIN98\HAMR56~5.84-\MDMSL	
	< <u>B</u> ack <u>Next></u> Cancel	

7.Windows will automatically copy the driver files and related files into your system. After copying the driver files, the device installation is completed. Click **"Finish"**, and this device is ready to use.

Update Device Driver W	Update Device Driver Wizard		
	HAMR56 or SmartRiser56 Voice Modem		
	Windows has finished installing an updated driver for your hardware device.		
8			
	< Back Finish Cancel		

-Windows ME installation :

Insert this device into your PC or Notebook MDC slot and power on.

1. After start, please check device manager from control panel, you will see an exclamation mark on PCI Card this device, please select this device and click **"Properties"**.

System Properties
General Device Manager Hardware Profiles Performance
View devices by type View devices by connection Computer Solution 1394 Bus Controller
E - S CDROM E - E Disk drives E - E Display adapters E - E Floppy disk controllers
E -
Mouse Mouse Prices Prices
PCMCIA socket
Properties Refresh Remove Print
OK Cancel

2.Select "Reinstall Driver".

F	CI Card Properties	<u>?</u> ×
	General Driver Resources	
	PCI Card	
	Device type: Other devices	
	Manufacturer: None specified.	
	Hardware version: 160	
	Device status	— II
	The drivers for this device are not installed (Code 28.).To reinstall the drivers for this device, click Reinstall Driver	
	Rejnstall Driver	
	Device usage Disable in this hardware profile Exists in all hardware profiles	
	OK Can	cel

3.System will popup "Update Device Driver Wizard" window, select "Specify the location of the drivers" and also select "Specify the location", then click "Next".

Update Device Driver Wizard		
	This wizard searches for updated drivers for: PCI Card Windows can search for and install an updated driver to replace the one currently being used by your hardware. Or, you can specify the location of another driver. What would you like to do? Automatic search for a better driver (Recommended) Specify the location of the driver (Advanced)	
	< Back Next > Cancel	

4.Select "Search for the best driver for your device. (Recommended)" Insert the driver CD or diskette, then select the driver location by keying the driver path.



5. Then Windows ME will automatically copy the driver files and related files into the system.

Update Device Driver Wizard		
	Windows driver file search for the device: AMR Modem Device Windows is now ready to install the best driver for this device. Click Back to select a different driver, or click Next to continue. Location of driver: E:\DRIVER\WINME\HAMR56~5.83M\AMR	
	< <u>B</u> ack Next> Cancel	

6.After copying the driver files, the device installation is completed. Click **"Finish"**, to close **"Update Device Driver** Wizard", and this device is ready to use.

Update Device Driver Wizard			
	AMR Modem Device Windows has finished installing an updated driver for your hardware device.		
	< Back Finish Cancel		

-Windows 2000 installation

Insert this HAMR56 or SmartRiser56 modem (Here in after we call it "the Device") into your PC or Notebook MDC slot and power on.

1. After start, please check device manager from control panel, you will see an exclamation mark on PCI Card this device, please select this device and click **"Properties"**.



2. Select "Update Driver".

PCI Device	Properties	<u>? ×</u>	
General	Driver Resources	;]	
}	PCI Device		
	Driver Provider:	Unknown	
	Driver Date:	Not available	
	Driver Version:	Not available	
	Digital Signer:	Not digitally signed	
No drive the drive this dev	er files are required or er files for this device ice, click Update Dri	r have been loaded for this device. To uninstall , click Uninstall. To update the driver files for ver.	
	Driver Details	Uninstall Update Driver	
		OK Cancel	
3.System	n will popup "I	Update Device Driver Wizard" window then clic	k "Next".
Upgrade D	evice Driver Wiza	ard	
		Welcome to the Upgrade Device Driver Wizard	
		This wizard helps you upgrade a device driver for a hardware device.	
		To continue, click Next.	
		< Back Next > Cancel	

4.Please select "Search for a suitable driver for my device (recommended)" then click "Next".

Upgrade Device Driver Wizard
Install Hardware Device Drivers A device driver is a software program that enables a hardware device to work with an operating system.
This wizard upgrades drivers for the following hardware device:
Upgrading to a newer version of a device driver may add functionality to or improve the performance of this device.
What do you want the wizard to do?
Search for a suitable driver for my device (recommended)
 Display a list of the known drivers for this device so that I can choose a specific driver
< <u>B</u> ack <u>N</u> ext > Cancel
5.Insert the driver disk and select the "Specify a location" then click "Ne
Locate Driver Files Where do you want Windows to search for driver files?
Search for driver files for the following hardware device:
PCI Device
The wizard searches for suitable drivers in its driver database on your computer and in any of the following optional search locations that you specify.
To start the search, click Next. If you are searching on a floppy disk or CD-ROM drive, insert the floppy disk or CD before clicking Next.
Optional search locations:
Floppy disk drives
CD-ROM drives
Specify a location
Microsoft Windows Update
< <u>B</u> ack <u>N</u> ext > Cancel

6.Keyin the driver path (the path is E:\driver\win2000\HARMR5600-V2.83K-MV-Win2K), then click "Next".



7. Windows 2000 will search and recognize the driver of the device and click "Next".

Upgrade Device Driver Wizard
Driver Files Search Results The wizard has finished searching for driver files for your hardware device.
The wizard found a driver for the following device:
PCI Device
Windows found a driver that is a closer match for this device than your current driver. To install the driver Windows found, click Next.
e:\driver\win2000\hamr5600-v2.83k-mv-win2k\mdmhamrw.inf
< <u>B</u> ack (<u>Next</u> >) Cancel

8.Windows will automatically copy the driver files and related files into the system. The Windows shows "Digital Signature not Found", click "Yes" to continue.



9.After copying the driver files, the device installation is completed please click **"Finish"**.

5.Uninstall :

1. Uninstall this device please remove this device from your PC or notebook, then from Start-->Settings-->Control Panel select Add/Remove Programs, in Add/Remove Programs Properties select "HAMR56 or SmartRiser56 modem" and click "Add/Remove".

Add/Remo	ve Programs Properties	<u>? ×</u>
Install/Uni	nstall Windows Setup Startup Disk	I
Þ	To install a new program from a floppy drive, click Install.	disk or CD-ROM
	[Install
3	The following software can be automa Windows. To remove a program or to components, select it from the list and Add/Remove.	atically removed by modify its installed I click
HAMR5 SIS 900 SIS Aud	6 or SmartRiser56 modem PCI Fast Ethernet Adapter Driver io Driver	
	[Add/ <u>R</u> emove
	OK Cance	el <u>A</u> pply

2.System will popup **"Uninstall HAMR56 or SmartRiser56 modem"** this window please click **"YES**".

Uninstall HAMR56 or SmartRiser56 modem	×
You are going to Uninstall all the HAMR56 or SmartRiser56 modem drivers.	
To finish removing your hardware, you must restart your computer.	
Do you want to proceed?	
Yes No	

3.Then click "OK" system will restart, after restart driver will removed.

🤣 UnInstall	×
You must restart your computer in order to complete installation. Close all open applications and choose one of the options bellow:	
 Restart the computer automatically now Shut down the computer automatically to replace the modem 	
OK I	

6.Installing Bluetooth software for Windows

(1) Place installation CD into PC and setup should launch automatically. If setup does not launch, use Windows Explorer to navigate to the appropriate CD-ROM drive and run "**Bsetup**".



(2) Please select your device and O.S..



(3) Complete these steps to install Bluetooth software:

(4) Exit all applications.

(5) InstallShield Wizard setup dialog box will automatically be displayed. If the setup program doesn't startup automatically, manually start the setup program by double clicking Bsetup.exe.

(6) Follow the instructions on screen:

(7) On the Welcome screen, click the Next button.



(8) When the *License Agreement* screen is displayed, read the License Agreement, then click the radio button to the left of **"I accept the terms in the license agreement"** and click the **Next** button.

😽 Bluetooth Software 1.3.2.7 - InstallShield Wizard
License Agreement Please read the following license agreement carefully.
Manufacturer ("MANUFACTURER") IS WILLING TO LICENSE THE SOFTWARE ACCOMPANYING THIS LICENSE AGREEMENT (THE "SOFTWARE") TO YOU ONLY ON THE CONDITION THAT YOU ACCEPT ALL OF THE TERMS IN THIS AGREEMENT. PLEASE READ THE TERMS CAREFULLY. BY CLICKING ON THE "I ACCEPT THE TERMS OF THIS LICENSE AGREEMENT" BUTTON YOU ACKNOWLEDGE THAT YOU HAVE READ THIS AGREEMENT, UNDERSTAND IT AND AGREE TO BE
< <u>B</u> ack <u>N</u> ext > Cancel

(9) You can choose the destination folder in your system, If you do not want to change the destination folder please click **Next**.

😽 Bluetooth Software 1.3.2.7 - InstallShield Wizard	×
Destination Folder Click Next to install to this folder, or click Change to install to a different folder.	E
Install Bluetooth Software 1.3.2.7 to: C:\Program Files\Bluetooth Software\	<u>C</u> hange
InstallShield < <u>B</u> ack <u>N</u> ext >	Cancel

(10) On the *Destination Folder* screen, click the **Change** button to browse to a new destination folder for the Bluetooth software. Otherwise, click the **Next** button to accept the default folder.

🛃 Bluetooth Software 1.3.2.7 - InstallShield Wizard
Ready to Install the Program The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield

(11) The system is ready to install the Bluetooth software. If you need to review or change any settings, click the **"Back**" button. Click the **"Cancel"** button to exit the Wizard. Otherwise, click the **"Install"** button.



(12) For Windows 2000/XP users, system will popup a "**Driver Signature Notice**", please click the "**OK**" button.



(13) During the installation, system will detected your Bluetooth device please make sure your Bluetooth device is plugged in properly and click "**OK**" to continue installation, or you can click "**Cancel**" to continue installation without the Bluetooth device.



(14) Installation completed please click "Finish".



(15) Click "Yes" to restart your computer. If you plan to restart later, click "No".

(16) After reboot and Windows comes back up again, insert your USB Bluetooth adapter into the PC's USB port, if you haven't done so during the installation, and the system will install the driver for your device automatically.

(17) Do not reboot. Your device is now ready to be used.

(18) **To start Bluetooth:** in the Windows system tray, right-click the Bluetooth icon and select "**Start Bluetooth Device**". The Bluetooth icon is blue in color with a white insert when Bluetooth is running.

Explore My Bluetooth Plan Bluetooth Setup Wizard Advanced Configuration	ces
Quick Connect	•
Start the Bluetooth Device	Bluetooth on IBM570
	🏷 📕 🔩 🛛 1:57 PM

(19) **To stop Bluetooth:** in the Windows system tray, right-click the Bluetooth icon and select

"**Stop Bluetooth Device**". The Bluetooth icon is blue in color with a red insert when Bluetooth is stopped.

Explore My Bluetooth Place Bluetooth Setup Wizard Advanced Configuration	:S		
Quick Connect	•		
Stop the Bluetooth Device		3 🚅	1:58 PM

Create a connection from the Bluetooth icon in the system tray

In the Windows system tray, right-click the Bluetooth icon, select Quick Connect and then the Bluetooth service that you wish to use.

If this computer has created a connection to the desired type of service in the past, the options on the shortcut menu are:

- The name(s) of any device(s) with which prior connections to this type of service have been established. Select a name from the list to re-establish connection.
- Other Devices-Select this option to search for additional devices that potentially provide the desired service, select a device from the list, and then click Connect.

If this computer has never created a connection to this type of service, the only option on the shortcut menu is "Find Devices". Select this option to search for devices that potentially provide the desired service, select a device from the list, and then click Connect.

Create a connection using the Bluetooth Setup Wizard

(1) From Bluetooth Explorer

- Right-click My Bluetooth Places and select Bluetooth Setup Wizard or
- From the Bluetooth menu, select Bluetooth Setup Wizard

From the Windows system tray: right-click the Bluetooth icon and select **Bluetooth Setup Wizard**.

Explore My Bluetooth Plac	es	
Bluetooth Setup Wizard		
Advanced Configuration		
Quick Connect	•	
Stop the Bluetooth Device		
	$ \gg $	1:37 PM

(2) The "Initial Bluetooth Configuration Wizard" will pop up. Click "Next" to the next page.



(3) Follow the wizard's on-screen instructions to configuration your Bluetooth device.

General	? >
Device Name and Type: You must select a name for this computer and indicate what type of computer it is.	*
Bluetooth Software 1.3.2.7	
Identity Enter a unique name for this computer. This name will be displayed to other Bluetooth devices if this computer is configured to allow itself to be discovered.	
Select a computer type from the drop-down menu. This selection determines the icon that represents this computer on remote devices.	
Computer name: PRESARIO 1800T	
Computer type: Desktop	
< <u>B</u> ack <u>N</u> ext > Cancel	

(4) Click "Next" to configure the Bluetooth service, you may skip the process by clicking "Skip".



(5) Click "Next" to the next page.

🔩 Bluetooth S	Service Selection
Choose th Toenat Todisp	e services that this computer will offer: ble a service, place a check in the box next to the service name. lay the properties panel for a service, click Configure.
2 🔅	PIM Item Transfer Image: State S
⊽ 🗗	PIM Synchronization
e 🖸	File Transfer
2 🛒	Network Access
😓 🗹	Dial-up Networking
v 2	Bluetooth Serial Port
	< <u>B</u> ack <u>N</u> ext > Cancel

The services supported by Bluetooth are:

- Bluetooth Serial Port-a wireless connection between two devices. This connection can be used by applications as though a physical serial cable connected the devices.
- **Dial-up Networking-**allows a device to use a modem that is physically attached to another Bluetooth device.
- **Fax-**allows a device to send a fax using a remote Bluetooth cell phone, modem, or computer.
- File Transfer-allows a device to perform file system operations on another Bluetooth device; browse, open, copy, etc.
- **Headset**-allows a Bluetooth headset to be used as the audio input/output mechanism for another Bluetooth device, such as a computer or cell phone.
- **PIM Item Transfer-**allows two Bluetooth devices to exchange Personal Information Manager data such as business cards, calendar items, email messages, and notes.
- **PIM Synchronization-**allows two Bluetooth devices to synchronize Personal Information Manager data.
- **Network Access-**allows a device to access a Local Area Network via a second Bluetooth device that is physically connected to the network or allows a remote device to become part of an ad hoc network provided by the Bluetooth server.
- Audio Gateway-allows the microphone/speakers on Bluetooth device (typically a computer) to be used as the audio input/output mechanism for a remote Bluetooth device, such as a cell phone.

All Bluetooth servers do not necessarily provide all of these services. For example, network gateways may provide only the Network Access service.

💱 Initial Bluetooth Configuration Wizard				
A SHE	Initial Bluetooth Configuration Wizard			
	If you have another Bluetooth device and you want to configure the way this computer will use its services, click Next. Otherwise click Skip.			
A D				
	<u>Skip</u>			
	< <u>B</u> ack <u>N</u> ext> Can	cel		

FIND A SERVICE

The process of determining the services that a device provides is called Service Discovery.

You can follow the wizard's on-screen instructions to find a service to use or click "**Skip**" button to skip this step.

To initiate a Service Discovery, in the Folders pane of My Bluetooth Places, right-click a device name and select Discover Available Services from the shortcut menu. Bluetooth services are those things that this computer can do for remote Bluetooth devices. For example, if this computer allows a remote Bluetooth device to send a fax using a fax modem that is physically attached to this computer, then this computer is providing the Bluetooth fax service. Some services are hardware dependant; this computer cannot provide the fax service unless it has a physical fax modem, for example. Some Bluetooth services use virtual hardware. The Bluetooth Serial Port service, for example, does not use a physical port on this computer. Instead, it creates virtual serial ports that Windows applications can see and use as if they were actual physical ports. Each Bluetooth service that this computer is capable of providing can be started automatically when Bluetooth starts. Each service can be setup to require security measures before allowing a remote Bluetooth device to connect. Bluetooth services require a Bluetooth application on the remote device; services and applications usually have coinciding names; i.e., there is a Bluetooth Fax Service and a Bluetooth Fax Application.

To check if you Bluetooth device is up and working properly

	1		
	Explore My Bluetooth Places		
-	Bluetooth Setup Wizard		
	Advanced Configuration		
	Quick Connect 🔹 🕨		
_	Stop the Bluetooth Device		
1	5) ((6:42 PM

From the Bluetooth menu, select "Advanced Configuration".

General	Accessibility	Discovery Local Services	Client Applications	Hardware
Devices	2			
Name			Туре	
କ୍ଟି CSI	R USB Bluetoo	th Device	USB	
, Devic	e Properties—			
Devi	ice Status:	The selected device is we	orking properly.	
Man	ufacturer:	Cambridge Silicon Radio		
Firm	ware Revision:	Version 525		
Devi	ice Address:	00:10:60:A4:00:B5		
HCL	Version:	Bluetooth HCI 1.1		
HCI	Revision:	020D		
LMP	Version:	Bluetooth LMP 1.1		
LMP	Sub Version:	020D		
		OK Cancel	Apply	Help

Under the **"Hardware"** tab, verify the Bluetooth address is present along with the driver and firmware version info.

If such information is not present, please unplug then plug in the USB adapter to initiate the driver.

For CF Bluetooth card, please reboot the system with the CF Bluetooth card securely inserted in the PCMCIA slot.

Repeat the installation steps for other USB adapters or CF card on other PCs.

Periodic Search for Devices

Bluetooth can be configured to automatically search for devices on a regular basis (Bluetooth Configuration Panel > Discovery tab). One of the advantages of Bluetooth is the mobility that the wireless connections allow. However, mobility means that devices may move in or out of connection range during the time between the automatic updates performed by Bluetooth. To be certain that the displayed list of devices in the neighborhood is current, or if automatic periodic inquiry is not enabled, force an update of the device list using the technique described in Search for Devices, above.

Bluetooth Configuration	x
General Accessibility Discovery Local Services Client Applications Hardware	
Select specific devices, classes of devices or types of devices within a class that this computer should discover and report.	
Look for other Bluetooth devices Every 10 minutes	
Report all Bluetooth devices	
Add Device Delete	
OK Cancel Apply Help	

1.1 Icons used for Bluetooth devices and services

Bluetooth icons provide at-a-glance feedback about a device or service's status by changing appearance.

The Bluetooth icon in the Windows system tray provides feedback about Bluetooth status.

Basic Bluetooth Icon

Bluetooth Icon Indicates Bluetooth Status				
Enabled	Enabled Disabled Connected			
🕉 Blue with White	Blue with Red	8 Blue with Green		

Device Icons for Windows 9x, Me and 2K

Device Icons for Windows 9x, Me and 2K				
Name	Normal	Connected	Paired	
Audio Gateway	<u> </u>			
Desktop				
Headset			\square	
Laptop	series and the series of the s			
Modem				
Network Access Point			ר יי יי ב י	
Personal Digital Assistant				
Printer				
Telephone				
Unknown	?	7	?	

Service Icons for Windows 9x, Me and 2K

Service Icons for Windows 9x, Me and 2K				
Name	Normal	Connected	Not Available*	
Audio Gateway				
Dial-up Networking	Log			
Fax	Ĩ	🏈	l 🚿	
Headset				
Network Access	je, Lý		l L	
PIM Item Transfer			X	
PIM Synchronization	r <mark>a</mark> n L€		×.	
Public Folder				
Serial Port	7	7	<u> </u>	
*Services may be unavailable b	*Services may be unavailable because they are in use or because the necessary hardware is not installed.			

Device Icons for Windows XP				
Name	Normal	Connected	Paired	
Audio Gateway	S.			
Desktop				
Headset				
Laptop				
Modem	\sim			
Network Access Point	S		W	
Personal Digital Assistant				
Printer				
Telephone	1			
Unknown Device	8			

Device Icons for Windows XP

Service Icons for Windows XP

	Service Icons for Windows XP				
Name	Normal	Connected	Not Available*		
Audio Gateway					
Dial-up Networking		++			
Fax					
Headset					
Network Access					
PIM Item Transfer		.			
PIM Synchronization					
Public Folder	1	1	X		
Serial Port					
*Services may be unavailable because they are in use or because the necessary hardware is not installed.					

NOTE: Only available services are displayed in the menus.