D-Link DFM 5621 Controllerless Modem Card

User's Guide

FCC Requirements

This equipment complies with Part 68 of the FCC Rules. On the bottom of this equipment is a label that contains, among other information, the FCC Registration Number and Ringer Equivalence Number (REN) for this equipment. IF REQUESTED. THIS INFORMATION MUST BE GIVEN TO THE TELEPHONE COMPANY.

The REN is useful to determine the quantity of devices you may connect to your telephone line and still have these entire devices ring when your telephone number is called in most. But not all areas the sum of the REN's of all devices connected to one line should not exceed five (5.0). To be certain of the number of devices you may connect to your line. As determined by the REN. You should contact your local telephone company to determine the maximum REN of the area you are calling from. If your telephone equipment causes harm to the telephone network. The Telephone Company may discontinue your service temporally. If possible, they will notify you in advance. But if the advanced notice is failed, you will be notified as soon as possible. You will be informed of your right to file a complaint with the FCC.

Your telephone company may change in its facilities, equipment, operations or procedures that could affect the proper functions of your equipment. If this occurs, you will be notified in advance to give you an opportunity to maintain uninterrupted telephone service.

If you experience trouble with this telephone equipment, please contact the following address and phone number for information on obtaining service or repairs. The Telephone Company may ask you to disconnect this equipment from the network until the problem is solved or until that the equipment is not detected malfunctioning. This equipment may not be used on coin service provided by the Telephone Company. Connection to party lines is subject to state Tariffs.

Federal Communications Commission

Radio Frequency Interference Statement.

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

- -Reorient or relocate the receiving antenna.
- -Increase the distance 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.

Notices:

- (1) The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- (2) Shielded interface cables and AC power cord if any must be used in order to comply with the emission limits.

Notices to Australian users:

The modem card must only be used in a data terminal equipment (DTE) e.g. computer, that has a screw down cover (lid). As unsafe voltages (TNV) exist on the modem card, disconnect the modem card from the telephone line while the cover (lid) of the DTE (computer) is removed.

Installation of the modem card in a DTE (computer) which does not require a tool to open the cover (lid) will render the permit void.

Disconnect the telephone line before opening the cover (lid) of the DTE (computer). Do not connect the customer equipment to the telephone line while the cover (lid) of the DTE (computer) is open.

WARNING ONLY CONNECT EQUIPMENT WITH A TELECOMMUNICATIONS COMPLIANCE LABEL

WARNING FOR SAFETY REASONS, ONLY CONNECT EQUIPMENT WITH A TELECOMMUNICATIOS COMPLIANCE LABEL. THIS INCLUDES CUSTOMER EQUIPMENT PREVIOUSLY LABELLED PERMITTED OR CERTIFIED.

Modems connected to the Australian telecommunications network must be marked in accordance with the Labeling Notice. This modem has been specifically configured to ensure compliance with the ACA Standards. Do not adjust your modem or software outside the values indicated as below. To do so would result in your modem being operated in a non-compliant manner.

Modem Commands:

Command	<u>Default</u>	Permissible Range
ATA	-	Do not use
ATB	B0	Do not set to B1
AT&G	&G0	&G2
AT&P	&P0	&P1
ATSn	see table below	
<u>S register</u>	<u>Default</u>	Permissible Range
s6	2	2 to 6

Call Attempts/Retries:

Applications software shall be configured so that no more than 3 attempts are made to

establish a connection to a given number (Note: if the modem can detect service tones, up to 10 attempts can be made). If the call sequence is unsuccessful, there shall be a delay of at least 30 minutes before attempting to call the number again.

Failure to set the modem and any application software used with the modem, to the values

shown as above will result in the modem being operated in a non-compliant manner.

Consequently, this would be in violation of the Labeling Notice for this equipment, and the Telecommunications ACT 1997 prescribes penalties for the connection of non-compliant equipment.

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Chapter 1 Introduction

1.1 Introduction

Thank you for selecting the D-Link DFM 562I Controllerless Modem Card with Ambient chipset. This modem with Ambient chipset is a hardware modem that uses the state-of-the-art single chip and discrete DAA design. Besides, it has the advantages of high quality, high reliability, more compact and low cost. This modem with Ambient chipset is compatible with current Windows 98, ME, NT 4.0, 2000,XP operation systems because of its independent OS. Moreover, it follows the V.92 standard, so you can surf the Internet at 56K speed, but it depends on the condition of the telephone line and the ISP you connected to. We truly hope that our series products with Ambient chipset can meet your needs.

1.2 What's in the Package

- D-Link DFM562I Controllerless Modem Card with Ambient Chipset
- CD-ROM (Comprises Application Software, Modem Drivers and User's Guide)
- Quick Guide for Installing Modem Drivers
- Phone Cord

Chapter 2 Specifications

Specifications:

Chipset (Internal type)	Ambient MD5628D
Line Connection	PSTN, 2 Wires
Data Transmission Rate	ITU-T V.92
	56000/33600/28800/14400/9600/7200/4800/2400/
	1200/300 bps BELL 103 and BELL 212A
Fax Compatibility	Send/Receive G3 Fax, 14400/9600/4800 bps
Error Correction	MNP 2-4/V.42 LAPM
Data Compression	MNP 5/V.42 bis
Command Set	Enhanced AT Command, Fax Class 1
Communication Model	Asynchronous
DTE Speed (MAX)	115,200 bps
Transmit Level	-11(±1dBm)
Flow Control	XON/XOFF
	RTS/CTS
Dialing Mode	Touch Tone / Rotary Pulse (Countries depend)
Auto Dial & Auto Answer	YES
Noted Features	NVRAM Directory and Stored Profile,
	Speed Buffering, Auto Format/Speed sensing
	Auto Retrain
Telephone Interface	PSTN Line through RJ-11
Card Dimension	12.2mm*7.5mm*1.6mm
Applicable PTT Approval	Countries depend
Safety	FCC, CE
-	

Features

Ambient single chip solution

Surf the Internet at blazing 56K speed

Independent OS – Compatible with Windows 98/ME/NT4.0/2000/XP

Fully software upgradeable

Chapter 3 Hardware Installation

- 1.Unplug the telephone from the wall socket, then plug the telephone into the socket on the back of the modem marked PHONE.
- 2.Plug the telephone cord supplied into the socket on the back of the modem marked LINE.
- 3.Plug the other end of the cord into the wall socket.





Chapter 4 Software Installation

The following sections explain how to install the modem drivers under Windows 98/ME/NT4.0/2000/XP. Refer to the section, which best suites, your operating system.

4.1 Windows 98

1. Please insert the driver CD supplied when you see the message of **PCI Communication Device**, then click **Next** to search for the driver.

Add New Hardware Wizard		
Add New Hardware Wiz	ard This wizard searches for new drivers for: PCI Communication Device A device driver is a software program that makes a hardware device work.	
	< Back Next > Cancel	

2. Select the **Search for the best driver for your device. [Recommended]** and click **Next** to continue.

Add New Hardware Wizard		
	 What do you want Windows to do? Search for the best driver for your device. Recommended). Display a list of all the drivers in a specific location, so you can select the driver you want. 	
	< Back Next > Cancel	

3. Select "**Specify a location:**" and type the path: **I:\Driver\Win9x** (I is the letter of CD-ROM drive) and click **Next** to continue.

Add New Hardware Wizard	
	Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.
	< Back Next > Cancel

4. Click **Next** to start the installation.

Add New Hardware Wiz	ard
Add New Hardware with	Windows driver file search for the device: D-Link DFM-562I Controllerless Modem Card 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: DD I:\DRIVER\WINSK\INTELS11.INF
	< <u>B</u> ack Next > Cancel

5. Click **Finish** to end this installation procedure.



6. Click OK

D-Link DFM-5621 Controllerless Modem Card	×
Preferences COM Port International Settings Uninstall	
Selah Preferences	
Modem Front Panel	
Automatically start modem front panel applet	
Causes the modem front panel applet to start as a tray icon automatically when Windows loads.	
Modem Drivers	
Enable DOS Box support	
Enables modem support for DOS-based applications and DOS-based games in Windows 95.	
🔽 Enable IRQ Sharing	
Allows modem to share an IRQ with other devices in the system (network card, video card, etc.).	
OK Cancel Appl	9

4.2 Windows ME

1. Please insert the driver CD supplied when you see the message of **PCI Communication Device** appearing, select **Specify the location of the driver [Advanced]** then click **Next** to search for the driver.

Add New Hardware Wizard		
	Windows has found the following new hardware: PCI Communication Device Windows can automatically search for and install software that supports your hardware. If your hardware came with installation media, insert it now and click Next. What would you like to do? Automatic search for a better driver (Recommended) Specify the location of the driver (Advanced)	
	< Back Next > Cancel	

2. Select "Search for the best driver for your device [Recommended]", then select Specify a location and type the path: I:\Driver\WinME (I is the letter of CD-ROM drive) and click Next to continue.

Add New Hardware Wiz	ard
	 Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected Search for the best driver for your device. (Recommended). Removable Media (Floppy, CD-ROM) ✓ Specify a location: I:\Driver\WinME Browse Display a list of all the drivers in a specific location, so you can select the driver you want.
	< Back Next >

3. Click **Next** to start the installation.

Add New Hardware Wizard
Add New Hardware wizard Windows driver file search for the device: D-Link(R) DFM-562I WDM Modem Driver 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: Windows INTELS21.INF
< <u>B</u> ack Next> ↓ Cancel

4.click OK

D-Link(R) DFM-562I WDM Modem Driver		×
International Settings		
(International Settings	
Select a region	Spain Suriname Sweden Switzerland Taiwan	
Installation Default	Thailand Trinidad and Tobago Turkey United Arab Emirates United Kingdom	
	Uruguay United States of America Venezuela	
ок Д	Cancel Apply	

5 Click **Finish** to end this installation procedure.



6 When you see the message of **Wave Device for Voice Modem**, select **Specify the location of the driver [Advanced]** then click **Next** to install the wave device.

Add New Hardware Wizard			
	Windows has found the following new hardware: Wave Device for Voice Modem Windows can automatically search for and install software that supports your hardware. If your hardware came with installation media, insert it now and click Next. What would you like to do? Automatic search for a better driver (Recommended) Specify the location of the driver (Advanced)		
	< Back Next > Cancel		

7 Select "Search for the best driver for your device [Recommended]", then select Specify a location and type the path: I:\Driver\WinME (I is the letter of CD-ROM drive) and click Next to continue.

Add New Hardware Wizard			
	 Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected Search for the best driver for your device. [Recommended]. Removable Media (Floppy, CD-ROM) ✓ Specify a location: [:\Driver\WinME Browse Display a list of all the drivers in a specific location, so you can select the driver you want. 		
	< Back Next > 📐 Cancel		

8 Click **Next** to start the installation.

Add New Hardware Wizard			
Windows driver file search for the device: D-Link DFM-562I Controllerless Modem Card 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: Windows is NORIVER/WINME/INTELS22.INF			
< <u>B</u> ack Next> Cancel			

9 Click **Finish** to end this procedure.

Add New Hardware Wizard				
Add New Hardware Wiz	ard D-Link DFM-5621 Controllerless Modem Card Windows has finished installing the new hardware device.			
	< Back Finish Cancel			

4.3 Windows NT4.0

1. Please insert the driver CD supplied Then click **Start\Run** on the desktop and use **Browse** to open the file of **H:\Driver\WinNT4\installer.exe** (H is the latter of CD-ROM drive)

Run	? ×		
2	Type the name of a program, folder, or document, and Windows will open it for you.		
<u>O</u> pen:	H:\Driver\WinNT4\installer.exe		
	Run in Separate Memory Space		
	OK Cancel		

2. The Message of "Do you wish to install The D-Link DFM 562I Controllerless Modem Card" and Click Yes



3 The Message of "Do you wish to install The Standard Modem" and Click Change



4 The Message of "Select a Local and model from Manufacturers and Models " and Click OK

Install New Modem	×
Click the manufacturer and model of your modem. If your modem is not listed, or if you have an installation disk, click Have Disk.	
Manufacturers: Models	
Digital Equipment Corporat Digital Pathways Digitan Systems Inc. Discovery D-Link Dr. Neuhaus	
Have Disk	
OK 🔀 Cancel	

5 The Message of "You have selected the correct modem on COM3 "(D- Link DFM-562I controllerless Modem Card) and Click Next

Install New Modem	
	You have selected the following modem on COM3:
	D-Link DFM-562I Controllerless Modern Card
	If this modem type is not correct, click Change to select a different type from a list.
	[Change]
`	
	< Back Next >

6 The Message of Modem is installed and click **OK**



7 Move your cursor as following sequence **Start \ Settings \ Control Panel**. Then double-click on the **Network** icon to configure the **Dial-Up Networking**.



8 Click on the Services tab and select Remote Access Service, then click Properties. If you can't see Remote Access Service on the screen click Add to install Remote Access Service.

Computer Bi	owser		
 NetBIOS Int Remote Acc RPC Configure Server Workstation 	erface ress Service uration		
<u>A</u> dd	<u>R</u> emove	Properties	∐pdate
 Description: — Enables users network. 	to work offsite a:	s though connected	directly to a

9 Click on the **Add** button to add modem. If there is any modem in the list, please click **Remove** first.

Continue
Cancel
<u>N</u> etwork
Help

10 Select D-Link DFM562I Controllerless Modem Card, then click OK to confirm the settings.

Add RAS Device	×
RAS Capable <u>D</u> evices: COM3 - D-Link DFM 562I Controllerless Modem Card	OK Cancel
	<u>H</u> elp
	Install <u>M</u> odem

11 Click **Configure...** to configure port usage.

Remote A	cess Setup			×
Port	Device	Ty	pe	
COM3	D-Link562I controller	ess Modem Card	(unimodem)	Continue
				Cancel
				<u>N</u> etwork
				Help
, <u>A</u> dd	<u>R</u> emove	Configure	Clone	

12 Select **Dial out only** for Port Usage and click **OK** to confirm the settings.

Configure	Port Usage	×
Port:	СОМЗ	OK
Device:	D-Link DFM-562I Controllerless Modern Card	Cancel
Port Us Dia	age I <u>o</u> ut only	<u>H</u> elp
○ <u>B</u> ee ○ <u>D</u> ia	ceive calls only I out and Receive calls	

13 Click **Network...** to configure the network.

Remote A	ccess Setup			×
Port	Device	T	/pe	
COM3	D-Link562I controllerle	ss Modem Card	(unimodem)	Continue
				Cancel
				<u>N</u> etwork
				<u>H</u> elp
, <u>A</u> dd	<u>R</u> emove	<u>C</u> onfigure	Clone	

14 Select **TCP/IP** lick **OK** to confirm the settings.

Network Configuration	×
Dial out Protocols: □ <u>N</u> etBEUI ☑ <u>ICP/IP</u> □ <u>I</u> PX	OK Cancel <u>H</u> elp

15 Click **Continue** to complete the setup.

note Ad	cess Setup		×
ort COM3	Device D-Link562I controllerle:	Туре ss Modem Card (u	nimodem) Continue Cancel
<u>A</u> dd	<u>B</u> emove	Configure	
	ort COM3	Add	Add <u>R</u> emove <u>C</u> onfigure

16 Click Yes restart Windows NT.

Network Settings Change 🛛 🛛 🔀				
⚠	You must shut down and restart your computer before the new settings will take effect. Do you want to restart your computer now?			
	<u>Yes</u> <u>N</u> o			

17 After restarting your computer, please double-click on the **My Computer** icon on the desktop and double-click on the **Dial-Up Networking** icon.

🚇 My Co	mputer			_ 🗆 🗙
<u>F</u> ile <u>E</u> dit	⊻iew	<u>H</u> elp		
			•	78
3½ Floppy (A:)	(C:)	(D:)	Ntwks40a (E:)	Control Panel
S	S			
Printers	Dial-U Network	p ing		
		43		
1 object(s) s	elected			

18 If your phonebook is empty, please click **OK** to add an entry.



19 You may use the name provided or enter a different one, then click **Next**.



20 Select The non-Windows NT server I am calling...then click Next.



21 Enter the phone number of your local ISP and click **Next**.



22 Select Point-to-Point Protocol (PPP) and click Next.



23 Consult with your local ISP for the choice and click Next.

Login Script	×
	Some dial-up servers require an interactive text login after connecting. You can type text login responses in a popup terminal window or run a script to automatically respond for you.
	None Use a terminal window Automate with this script [none) Edit script <u>E</u> dit script
	< <u>B</u> ack <u>N</u> ext > Cancel

Enter your IP address if you have a fixed one or leave the value: **0.0.0.0**, then click **Next**.

IP Address	×
	Enter your workstation's IP address on the remote network, or if you expect the server to provide the address, set 0.0.0.0. Usually the remote network operator will tell you what to use.
T T	My <u>I</u> P address: . 0 . 0 . 0
	Note: If you have a network adapter installed, you should NOT choose the same address as your network adapter.
	< Back Next > Cancel

25 Enter the IP addresses of a **DNS** and/or **WINS** server for your local ISP or set **0.0.0.0** if you are not sure. Then click **Next**.

Name Server Addresses		×
	Enter the IP addresses of a DNS and/or WINS server on the remote network, or set 0.0.0 if you expect the server to provide them, or don't know. Usually the remote network operator will tell you what to use. DNS server: 0.0.0.0.0 WINS server: 0.0.0.0.0	
	< <u>B</u> ack <u>N</u> ext > Cancel	

26 Click Finish.

New Phonebook Entry Wizard				
	That's it.			
	Press Finish to save 'MyDialUpServer'.			
	< Back Finish Cancel			

27 Click on the More buttons and select Edit entry and modem properties.

🥵 Dial-Up Networking			? 🗙
	Phonebook ent <u>r</u> y to dial: MyDialUpServer	<u>N</u> ew	More A
	Phone number pre <u>v</u> iew: 4125678 Dialing fr <u>o</u> m: New Location		Edit entry and modem properties Clone entry and modem properties Delete entry Create shortcut to entry Monitor status Operator assisted or manual dialing User preferences Logon preferences
		<u>D</u> ial	

28 Select **D-Link DFM562I Controllerless Modem Card** from Dial using list and click on the **Configure** button.

Edit Phonebook Entry				
Basic	Server Script Security X.25	1		
Entry name:	MyDialUpServer			
Co <u>m</u> ment:				
Phone <u>n</u> umber:	4125678 <u>A</u> lternates			
	□ Use Telephony dialing properties			
<u>D</u> ial using:	D-Link DFM 562I Controerller			
	COM3 D-Link DFM 562I Controllerless Modem			
	OK Cancel			

29 Enable all the **Hardware Features** and select **115200** from **Initial speed(bps)** list, then click **OK**.

Modem Configuration 🛛				
IC+56k External Dat	ta Fax Voice Mode			
Initial speed (bps):	115200 💌			
Hardware Features	1200 2400 4800 9600 19200 38400 57600 115200			
Disable modem s	peaker DK Cancel			

30 Click on the **Server** tab and enable three options of **TCP/IP**, **Enable software compression** and **Enable PPP LCP extensions**.

Edit Phonebool	c Entry						1	? ×
Basic	Server	R	Script	1	Security	1	X.25	٦,
Dial-up <u>s</u> erver	type:	Ŭ						
PPP: Window	vs NT, Win	dows S	35 Plus, In	erne	et	-		
- Network pro	tocols							
	, ,		Т <u>С</u> Р/	'IP S	ettings	1		
□ <u>I</u> PX/SF	× compatib	ole				-		
□ <u>N</u> etBEU	IL							
🔽 <u>E</u> nable sol	ftware comp	pressio	n					
🔽 Enable PF	P <u>L</u> CP exte	ensions	3					
				_		_		
					OK		Cancel	

.

31 Click on the **Security** tab and enable the option: **Accept any authentication including clear text**, then click **OK**.

dit Phon	ebook En	try		? >
Basic	Server	Script	Security	X.25
Authentical	tion and encrypti	on policy		-1
• Accep	t any authentica	tion including <u>c</u>	lear text	
C Accep	t only <u>e</u> ncrypted	authentication		
C Accep	t only <u>M</u> icrosoft e	encrypted authe	entication	
	Require <u>d</u> ata enc	aryption		
Lese current username and password Lese curr				
Unsave	password			
			ок	Cancel

32 Click **Dial** to connect.

🥾 Dial-Up Networking	? ×
	Phonebook entry to dial: MyDialUpServer New More ▼ Phone number preview: 4125678
	Dialing from: New Location Location
	Dial Close

33 Enter **User name** and **Password** and click **OK**, and the modem will dial out to your ISP and get a connection.

Connect	to MyDialUpServer	? ×
Enter a user i remote netwo	name and password with access to ork domain.	the
User name:	Administrator	
Password:	xxxxx	
Domain:		
	Save password	
÷	OK Car	ncel

4.4 Windows 2000

1. Windows will detect the modem automatic, please insert the driver CD supplied and click **Next**.



2. Select "Search for a suitable driver for my device [recommended]", then click Next to continue.

Found New Hardware 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 will complete the installation for this device:
PCI Simple Communications Controller
A device driver is a software program that makes a hardware device work. Windows needs driver files for your new device. To locate driver files and complete the installation click Next.
What do you want the wizard to do?
 Search for a suitable driver for my device (recommended)
C Display a list of the known drivers for this device so that I can choose a specific driver
< Back Next > Cancel

3. Select "Specify a location". Then click Next.

Found New Hardware Wizard
Locate Driver Files Where do you want Windows to search for driver files?
Search for driver files for the following hardware device:
PCI Simple Communications Controller
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
< Back Next > Cancel

4. Please type the path: **G:\Driver\Win2K** (G is the letter of your CD-ROM driver), then click **OK** to continue.

Found Nev	v Hardware Wizard	×
<u></u>	Insert the manufacturer's installation disk into the drive selected, and then click OK.	OK 📐 Cancel
	Copy manufacturer's files from: G:\Driver\Win2K	Browse

5. Click **Next** to continues.

Found New Hardware 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 Simple Communications Controller
Windows found a driver for this device. To install the driver Windows found, click Next.
g:\driver\win2k\intels51.inf
< Back Next > Cancel

6. Click **Yes** to continue.

Digital Signature Not Fo	und X
3	The Microsoft digital signature affirms that software has been tested with Windows and that the software has not been altered since it was tested.
	The software you are about to install does not contain a Microsoft digital signature. Therefore, there is no guarantee that this software works correctly with Windows.
	D-Link DFM-562I Controllerless Modem Card
	If you want to search for Microsoft digitally signed software, visit the Windows Update Web site at http://windowsupdate.microsoft.com to see if one is available.
	Do you want to continue the installation?
	Yes No More Info

7. Click **Finish** to end this procedure.



4.5 Windows XP

1. Please insert the driver CD supplied when you see the message of **PCI Simple Communications Controller**, Select the **Install from a list or specific location [Advanced]** then click **Next** to search for the driver.

Found New Hardware Wizard		
	Welcome to the Found New Hardware Wizard	
	This wizard helps you install software for:	
	PCI Simple Communications Controller	
	If your hardware came with an installation CD or floppy disk, insert it now.	
	What do you want the wizard to do?	
	 Install the software automatically (Recommended) Install from a list or specific location (Advanced) 	
	Click Next to continue.	
	< Back Next > Cancel	

2. Select **Include this location in the search:** and type a path: G:**Driver\WinXP** (G is the letter of the CD-ROM drive), then click **Next** to continue.

Found New Hardware Wizard
Please choose your search and installation options.
 Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM)
Include this location in the search:
G:\Driver\WinXP Browse
O Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< Back Next > Cancel

3. Click **Continue Anyway** to continue.

Har dwa	re Installation
1	The software you are installing for this hardware: D-Link DFM-562I Controllerless Modem Card has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.) Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
	Continue Anyway STOP Installation

4. Click **Finish** to end this procedure.



Chapter 5 Select Modem Country

The following sections explain how to install the modem drivers under Windows 98/ME/NT4.0/2000/XP. Refer to the section, which best suites, your operating system.

5.1 Windows 98

2 Move your courser as following sequence **Start\Settings\Control Panel** and click **Control Panel**. Then double-click on the **D-Link DFM-562I Controllerless Modem Card** icon.

Eile Edit View Go Favorites Help			1 1
+ . → . 🖬 🐰 🗈	5 2 × 5		
Address Control Panel	Fake Dido Deele Hopelie	5 T0%5	
Addates 2 Control Panel	Accessibility Add Here Add Her	Def Tran Def Tran Hallmeds Hallmeds Telesboy Uters Hallmeds	endi Protection
Chapter cells	one for D Link DEM SEX Controllations Median	Caul	El M. Como las

2 Click International Settings tab and select United States of America, then click OK

D-Link DFM-562I Contr	ollerless Modem Card	х
Preferences COM Port	International Settings Uninstall	
Select a re	agion Spain Suriname Sweden Switzerland Taiwan Thailand Trinidad and Tobago Turkey United Arab Emirates United Kingdom Uruguay United States of America Venezuela	
0	K 💦 Cancel Apply	

5.2 Windows Me

1. Move your courser as following sequence **Start\Settings\Control Panel** and click **ControlPanel**. Then double-click on the **D-Link DFM-562I Controllerless Modem Card** icon.



2. Click International Settings tab and select United States of America, then click OK

D-Link(R) DFM-562I WDM M	odem Driver	X
International Settings		
	International Settings	
Select a region	Spain Suriname Sweden Switzerland Taiwan Thailand Trinidad and Tobago Turkey United Arab Emirates United Kingdom Uruguay United States of America Venezuela	
ОК	Cancel Apply	

5.3 Windows NT4.0

1. Move your courser as following sequence Start\Programs\D-Link\IntelS41 and click IntelS41. Then Click Select a region "United States of America" and click Apply

Modem Country Selection Too	l	×
<u>F</u> ile <u>H</u> elp		
e	International Settings	
Select a region Get Default Settings Telephony Default Installation Default	Spain Suriname Sweden Switzerland Taiwan Thailand Trinidad and Tobago Turkey United Arab Emirates United Kingdom Uruguay United States of America Venezuela	
ОК Са	ncel Apply	

2. Click OK

Modem Country Selection Tool File Help	×
•	International Settings
Select a region Get Default Settings Telephony Default Installation Default	Spain Suriname Sweden Switzerland Taiwan Thailand Trinidad and Tobago Turkey United Arab Emirates United Kingdom Uruguay United States of America Venezuela
Can	cel Apply

5.3 Windows 2K

1 Move your courser as following sequence **Start\Settings\Control Panel** and click **ControlPanel**. Then double-click on the **System** icon.

💀 Control Panel						_ 🗆 🗡
File Edit View Favorites Tool	s Help					
📙 🖶 Back 👻 🤿 👻 💽 🔞 Search	Folders	()History	≌ ¶X ⊨	n II.		
Address 🐼 Control Panel						
	é.		*	1	B	2
Control Panel	Accessibility Options	Add/Remove Hardware	Add/Remove Programs	Administrative Tools	Date/Time	Display
System Provides system information and	ø	- A	A	ø.	i	<u>شمس</u>
changes environment settings	Fax	Folder Options	Fonts	Game Controllers	Internet Options	Keyboard
Windows 2000 Support	Ø	F		ų		3
	Mouse	Network and Dial-up Co	Phone and Modem	Power Options	Printers	Regional Options
		٦			S p	
	Scanners and Cameras	Scheduled Tasks	Sounds and Multimedia	System	Users and Passwords	
Provides system information and shapped	on ironmont or	ting		_	Mu Con	
Provides system in ormation and changes	environment se	eccings		J	NY Con	iputer ///

2.Select Hardware tab and Click Device Manger

System Properties ? 🗙
General Network Identification Hardware User Profiles Advanced
Hardware Wizard The Hardware wizard helps you install, uninstall, repair,
Hardware Wizard
Device Manager
The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.
Driver Signing Device Manager
Hardware Profiles
Hardware profiles provide a way for you to set up and store different hardware configurations.
Hardware Profiles
OK Cancel Apply

3 Click Modem (D-Link DFM-562I controllerless Modem Card), then click this icon



4. Select Advanced tab, then click Country Select (United States of America), Click OK

D-Link DFM-562I (Controllerless N	1odem Ca	rd Prope	ties	? ×
Driver	Resource	s	Powe	r Managem Adva	ient
Extra Settings- Extra initializati	modem on commands:	Diagn			
Country Select	s of America			•	
	A	dvanced Po ge Default	ort Settings Preference	:5	
		[OK		Cancel

5.4 Windows XP

1 Move your courser as following sequence **Start/Settings/Control Panel** and click **ControlPanel**. Then double-click on the **System** icon.



2.Select Hardware tab and Click Device Manger

System Proper	ties		? 🔀
System Re	store Automa	tic Updates	Remote
General	Computer Name	Hardware	Advanced
	6.00 T		
Add Hardwar	e Wizard • Add Hardware Wizard be	los uou install bardu	
		aps you instail hardw	aic.
		Add Hardware	e Wizard
- Device Man	2001		
	igei ie Device Manager lists all I	he hardware device	is installed
i in in	your computer. Use the De	evice Manager to ch	ange the
pro	perties or any device.		
	Driver Signing	Device Ma	nager
	<i>a</i>		
Hardware Pr	onies viduoro profilos provido o u	iou for you to get up	and store
difi	ferent hardware configurati	ay for you to set up t ons.	and store
		Hardware F	Profiles
	ОК	Cancel	Apply

3 Click Modem (D-Link DFM-562I Controllerless Modem Card), then click this icon



4. Select Advanced tab, then click Country/Region Select (United States), Click OK

D-Link DFM-562	l Controllerless M	iodem Card P	roperties ? 🔀
Driver	Resources	Powe	r Management
General	Modem	Diagnostics	Advanced
∠Extra Settings –			
Extra initializati	on commands:		
- Countru/Begior	Select		
Country region	- Select		_
United States	;		×
	Advanc	ed Port Settinas	
	Change D	efault Preference:	s
		OK	Cancel

Chapter 6 Diagnostics

6.1 Windows 98/ME

1. Move your cursor as following sequence **Start / Settings / Control Panel** and double-click on the **Modems** icon.



 To test the modem by clicking on the Diagnostics tab. Then select the COM Port where Topic Modem is setting and click on the More Info... button to start the test.

modems rrop	eides 🗾 🔽
General Dia	gnostics
Ĵ °	indows detected the following ports, and has eady installed the following devices:
Port	Installed
COM1	No Modem Installed.
2. COM2	No Modem Installed
COM4	D-Link DEM-562L Controllerless Modern C
<u>D</u> rive	<u>M</u> ore Info <u>H</u> elp
	OK Cancel

3. If your modem is responding to AT commands and functioning correctly, it means that your modem is working properly. Click **OK** to end this procedure.

Mo	ore Info	
		0014
	Port:	CUM4
	Interrupt:	0
	Address:	0
	UART:	
	Highest Spee	d: 115K Baud
	- D-Link DEM-562	21 Controllerless Modern Card
	Identifier 1	No bardware ID for this modern
	Command	Response
	Command ATI1	Response D-Link DFM-562I Controllerless Modem C
	Command ATI1 ATI2	Response
	Command ATI1 ATI2 ATI3	Response D-Link DFM-562I Controllerless Modem C D-Link Corporation 536EP
	Command ATI1 ATI2 ATI3 ATI4	Response Image: Controllerless Modern C D-Link DFM-562I Controllerless Modern C D-Link Corporation 536EP 536EP Release 4.52.1 - Oct 25 2002 - 1
	Command ATI1 ATI2 ATI3 ATI3 ATI4 ATI5	Response Image: Comparison of the system
	Command ATI1 ATI2 ATI3 ATI3 ATI4 ATI5 ATI5	Response D-Link DFM-562I Controllerless Modem C D-Link Corporation 536EP 536EP Release 4.52.1 - Oct 25 2002 - 1 V.92 Capable Modem Host I/F: PCI
	Command ATI1 ATI2 ATI3 ATI3 ATI4 ATI5 ATI5 ATI6	Response ▲ D-Link DFM-562I Controllerless Modem C D-Link Corporation 536EP 536EP Release 4.52.1 - Oct 25 2002 - 1 V.92 Capable Modem Host I/F: PCI DSP Patch Level:09.71 DSP Patch Level:09.71
	Command ATI1 ATI2 ATI3 ATI3 ATI4 ATI5 ATI5 ATI5 ATI6 ATI7	Response ▲ D-Link DFM-562I Controllerless Modem C D-Link Corporation 536EP 536EP 536EP Release 4.52.1 - Oct 25 2002 - 1 V.92 Capable Modem Host I/F: PCI DSP Patch Level:09.71 OK
	Command ATI1 ATI2 ATI3 ATI4 ATI5 ATI5 ATI5 ATI6 ATI7	Response ▲ D-Link DFM-562I Controllerless Modem C D-Link Corporation 536EP 536EP 536EP Release 4.52.1 - Oct 25 2002 - 1 V.92 Capable Modem Host I/F: PCI DSP Patch Level:09.71 OK ▼

4. Click **OK** to end this procedure.

Modems F	Properti	25	? ×
General	Diagno	stics	
Ĵ	Wind alread	ows detected the following ports, and has ly installed the following devices:	
Port		Installed	
% co	M1	No Modem Installed.	
- % co	M2	No Modem Installed.	
	M4	D-Link DFM-562I Controllerless Modem C.	
<u>]</u>	<u>D</u> river	More Info <u>H</u> elp	
		OK 💦 Can	cel

6.2 Windows 2000

1. Move your cursor as following sequence **Start\Settings\Control Panel**. Then double-click on the **Phone and Modem Options** icon.



2. Click **Modems** tab, then select **D-Link DFM 562I Controllerless Modem Card** and click **Properties**.

Phone And Modem Options	<u>? ×</u>
Dialing Rules Modems Advanced	
The following modems are installed:	
Modem Attached To	
D-Link DFM-562I Controllerless Modem Card COM3	
Add Remove Properties	\$ }
OK Cancel App	y

3. Click **Diagnostics** tab, then click **Query Modem**.

D-Link DFM-562I Controllerless Modem Card Proper <mark>?</mark> 🗙
General Diagnostics Advanced
Modem Information
Field Value Hardware ID PCI\VEN_8086&DEV_1040&SUBSYS_10008
Command Response
Logging
Append to Log
OK Cancel

4. If your modem is responding to AT commands and functioning correctly, it means that your modem is working properly. Click **OK**.

D-Link DFM-56	2I Controllerless Modem Card Proper <mark>?</mark>	×
General Diag	nostics Advanced	
Modem Inform	nation	1
Field Hardware ID	Value PCI\VEN_8086&DEV_1040&SUBSYS_10008	
Command ATQ0V1E0 AT+GMM AT+FCLASS=	Response OK D-Link DFM-562I Controllerless Modem (H.324 video-ready rev. 1.0 =? 0,1,8	
Logging Append to	o Log View log	
	OK 📐 Cancel	

5. Click **OK** to end this procedure.

Phone And Modem Options	? ×
Dialing Rules Modems Advanced	
The following modems are installed:	
Modem Attached To	
D-Link DFM-562I Controllerless Modern Card COM3	
Add Remove Propertie	s
OK Cancel App	y

6.3 Windows XP

1. Move your cursor as following sequence **Start\Settings\Control Panel**. Then double-click on the **Phone and Modem Options** icon.



2. Click Modems tab, then select D-Link DFM 562I Controllerless Modem Card and click Properties.

Phone and Modem Options	? 🗙
Dialing Rules Modems Advanced	
The following modems are installed:	
Modem Attached To	
D-Link DFM-562I Controllerless Modern Card COM3	
Add Remove Pro	oerties 🔀
OK Cancel	Apply

3. Click **Diagnostics** tab, then click **Query Modem**.

D-Link DFM-56	21 Controllerle	ss Modem	Card Pr	operties	? 🗙
Driver	Resource	es 📄	Power	Manageme	ent
General	Modem	Diagno	istics	Advan	ced
- Modem Informat	tion				
Field	Value				
Hardware ID	PCI/VEN_8086&DI	EV_1040&SI	JBSYS_10	9008	
2				2	
Command F	Response				
			Query Mo	dem	
Logging					
Append to L	_og		View lo	g	
		(OK		ancel

4. If your modem is responding to AT commands and functioning correctly, it means that your modem is working properly. Click **OK**.

D-Link DFM-56	21 Controllerle	ss Moden	n Card Pr	operties	? ×
Driver	Resourc	es	Power	Manageme	nt
General	Modem	Diagn	ostics	Advan	ced
- Modem Informat	ion				
Field	Value				
Hardware ID	PCIVVEN_8086&D	EV_1040&S	UBSYS_10	3000	
<				>	
Command	Response			^	
ATQ0V1E0 AT+GMM	Success D-Link DEM-562	21 Controllerl	ess Modem		
	H.324 video-rea	ady rev. 1.0			
AT+FCLASS=?	0.1.8		>		
				_	
			Query Mo	dem	
Logging					
Append to L	og		View lo	g	
			OK		ancel

5. Click **OK** to end this procedure.

Phone and Modem Options	?×
Dialing Rules Modems Advanced	
The following modems are installed:	
Modem Attached To	
D-Link DFM-562I Controllerless Modem Card COM3	
Add Remove Prope	rties
OK Cancel	Apply

Chapter 7 Uninstalling

7.1 Windows 98

1. Move your cursor as following sequence **Start / Settings / Control Panel** and double-click on the **Modems** icon.

🚾 Control Panel							_ 🗆 🗵
<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>G</u> o F <u>a</u> vorites	<u>H</u> elp						
Back Forward Up	X Cut	Copy Past	e Undo	Delete F	Properties	Views	•
Address 🐼 Control Panel							_
Control	Accessibility Options	Add New Hardware	Add/Remove Programs	Date/Time			
Panel	S	000	Aa	2			
Add/Remove Programs	Display	D-Link DFM-562I	Fonts	Gaming Options			
creates shortcuts.	S		2	Õ			
Microsoft Home Technical Support	Internet Options	Keyboard	Modems	Mouse			
	60	₽Ê	2 7	\$			
	Multimedia	Network	ODBC Data Sources (32bit)	Passwords			
	ų		S	1			
	Power Management	Printers	Regional Settings	Sounds			
		<u></u>	<u>_</u>				
	System	Telephony	Users				
	Setsu	up programs and	creates shortcuts	. 📃 My C	Computer		//.

2. Select D-Link DFM 562I Controllerless Modem Card, then click Remove.

Add/Remove Progra	ms Properties		? ×
Install/Uninstall Win	idows Setup∫ Start	up Disk	
To install drive, clic	a new program from k Install.	n a floppy disk or l	CD-ROM
		<u>I</u> ns	tall
Ihe follow Windows. componer Add/Rem	ving software can b To remove a progr nts, select it from th ove.	e automatically re ram or to modify it e list and click	moved by s installed
Capture Profession Classic PhoneTools D-Link/FIDFM-552 ELSA Windows 95 Microsoft DirectX T PCI Audio Applicati PCI Audio Driver	al 3 ³ ¹ Modem Utilities /98/ME Display Dri ransform optional c ons	vers omponents	
		Add/ <u>B</u>	emove
	ок	Cancel	Apply

3. Click Uninstall tab, then Click Perform Uninstall

D-Link DFM-5	621 Controllerless Modem Card	×
Preferences	COM Port International Settings Uninstall	
Ø	Uninstall Selah Drivers and Utilities	
Pressing this support drive	button will uninstall the Selah modem, its ers, and utilities. Perform Uninstall	
	OK Cancel Apply	ļ

4. Click Yes



5. Click Yes



7.1 Windows ME

1. Move your cursor as following sequence **Start / Settings / Control Panel** and double-click on the **Modems** icon.

🙀 Control Panel											_ 8 ×
<u>File Edit View Favorites To</u>	ols <u>H</u> elp										1
📙 🖶 Back 🔹 🤿 👻 🗎 🥘 Search	n 🔁 Folders	History	暗哈×:	Ω <u>π</u> .							
Address 🞯 Control Panel											🔹 🤗 Go
Control Panel	Accessibility Options	Add New Hardware	Add/Remove Programs	Automatic Updates	Date/Time	Dial-Up Networking	Display	D-Link(R) DFM-5621	Folder Options	Fonts	
Modems Installs a new modem and changes modem properties.	Gaming Options	internet Options	Keyboard	ی Modems	Mouse	Network	ODBC Data Sources (32bit)	Passwords	V Power Options	Printers	
Technical Second	Regional Settings	Scanners and Cameras	Scheduled Tasks	Sounds and Multimedia	System	Taskbar and Start Menu	Telephony	Users			
Installs a new modern and changes mode	m properties.									🖳 My Comp	uter

2.Select D-Link DFM 562I Controllerless Modem Card, then click Remove.

Modems Properties	? ×
General Diagnostics	
The following modems are set up on this compute	r:
D-Link DFM-562I Controllerless Modem Card	
Add Remove Remove Properties	
Dialing from: New Location	
Click Dialing Properties to modify how your calls are dialed.	
Dialing Properties	
OK Canc	el

3.Click **Close** to end this procedure

Modems Properties
General Diagnostics
The following modems are set up on this computer:
Add Remove Properties
Dialing preferences
Dialing from: New Location
Click Dialing Properties to modify how your calls are dialed.
Dialing Properties
Close 💦 Cancel

6.2 Windows NT 4.0

1. Move your cursor as following sequence **Start\Settings\Control Panel**, then double-click on **Modems** icon.

🔯 Control P	anel				_	
<u>File E</u> dit <u>V</u> i	iew <u>H</u> elp					
<u>&</u>		MS	H	Ť	5	-
Accessibility Options	Add/Remove Programs	Console	Date/Time	Devices	Display	
A	٨	ð	١	j.	2	
Fonts	Internet	Keyboard	Mail	Microsoft Mail Postoffice	Modems	
Ø	50	₽Ŷ	B 9		P	
Mouse	Multimedia	Network	ODBC	PC Card (PCMCIA)	Ports	
S	9	œ				
Printers	Regional Settings	SCSI Adapters	Server	Services	Sounds	
		2	#1			_
Installs a new r	nodem and char	T I I	erties			<u> </u>
Interant a new r	noach ana chai	iges medem prop	01100.			

2. Select D-Link DFM 562I Controllerless Modem Card, then click Remove.

Modems Properties	:	? :
General		
🛞 The foll	owing modems are set u	p on this computer:
Modem		Attached T
D-Link DFM-5	5621 Controllerless Mode	m Card COM1
•		
<u>A</u> dd	<u>B</u> emove	<u>P</u> roperties
Dialing Preferen	ces	
Dialing from:		
Use Dialing Pr dialed.	operties to modify how y	our calls are
	Dialing Properties	
	Clos	Cancel

3. Click Yes.



4. Click **Close** to end this procedure.

Modems Properties	\$? ×
General		
Difference The foll	owing modems are set up	on this computer:
Modem		Attached To
<u>A</u> dd	<u>R</u> emove	<u>P</u> roperties
Dialing Preferen	ces	
Dialing from:		
Use Dialing P dialed.	roperties to modify how you	ur calls are
	<u>D</u> ialing Properties	
	Close	Cancel

6.3 Windows 2000

1. Move your cursor as following sequence **Start \ Settings \ Control Panel**. Then double-click on the **Phone and Modem Options** icon.



2. Click Modems and select D-Link DFM 562I Controllerless Modem Card, then click Remove.



3. Click Yes.



4. Click **OK** to end this procedure.

Phone And Modem Options	? ×
Dialing Rules Modems Advanced	
The following modems are installed:	
Modem Attached To	
Add Remove Propert	ies
OK Cancel A	pply

6.4 Windows XP

1. Move your cursor as following sequence **Start \ Settings \ Control Panel**. Click on the **Phone and Modem Options** icon.



2. Click Modems and select D-Link DFM 562I Controllerless Modem Card, then click Remove.

Phone and Modem Options	? 🔀
Dialing Rules Modems Advanced	
The following modems are installed:	
Modem	Attached To
D-Link DFM-562I Controllerless Modem Card	COM3
Add Rem	Properties
ОК	ancel Apply

3. Click Yes.



4. Click **OK** to end this procedure.

Phone and Modem Options	? 🛛
Dialing Rules Modems Advanced	
The following modems are installed:	
Modem	Attached To
Add Ren	nove Properties
ОК	Cancel Apply

oChapter 8 Troubleshooting

Modem will not dial-out

- Check your phone cable connected properly into LINE jack.
- If you use the Tone-dialing on a line, but required the Pulse-dialing method, please change the command T to P in your dial command line.

Modem will not answer an incoming call

- Check your phone cable connected properly into LINE jack.
- By connect a Telephone to the PHONE jack. The attached telephone will ring if you try calling from another telephone line.
- Configured the modem to Auto-answer modem.

No connection after modem dial out

- Remote modem may be not setting to answer mode, if you aren't hearing a high-pitch tone when remote modem answering.
- Perhaps poor-quality or noise telephone lines try another call.

Data error when modem connection

- Make sure your software data format is match to remote side (for example: 8,N, 1).
- Make sure the modem flow control method is matched to communication software.
- Try another call may be poor quality or noise telephone lines.

Fax and voice problems

• Be sure the Data Communication is installed and worked properly, otherwise check the mentioned procedure carefully and consult the Fax/Voice manual step by step.