Conexant USB ADSL Modem

USB ADSL Modem

Installation Guide and User's Manual

P/N : PMXCA86U00-51

Table of Contents

About This Manual	2
SPECIFICATIONS	3
Features	.5
PREFACE	7
THE USB ADSL MODEM MANUAL	.7
CHAPTER1:OVERVIEW	.8
CHAPTER2:USB ADSL MODEM INSTALLATION AND SOFTWARE SETUP1	10

About This Manual

This manual provides a comprehensive user's guide and installation manual for Amigo USB ADSL Modems. It has been organized in such a way to make it easy to follow by users worldwide. In order to ensure optimal comprehension, the following list provides brief descriptions of the formatting styles used throughout this manual.

- □ <u>Commands</u>: Commands are always referred to by using the word "Click " before them. These commands are always shown as bold-faced words. For example, click Next, click OK, or click Cancel.
- □ <u>Names of Windows</u> (<u>Dialog Boxes</u>): The names of the windows (also referred to as dialog boxes) that appear on the PC screen are always referred to in quotes. For example, the "Setup Complete " window.
- Names of Options in Windows: The names of options to choose from inside the windows that appear on the PC screen are always referred to in italics. For example, choose the Yes, I want to restart my computer now option from the window.
- □ <u>Notes</u>: In some cases, preparatory or cautionary information is needed before proceeding onto the next step in an installation process. This kind of information is provided in the form of notes, which are always referred to in bold-faced and italicized letters. For example,

Note : To access the Amigo Control Panel, the driver must be running. Also, make sure

the USB cable is plugged into the modem.

Specifications

ADSL Modem:

- DMT Data Rates :
 - Up to 8Mbps downstream
 - Up to 1Mbps upstream.
- Standards compliant functionality supports :
 - ◆ ITU G.992.1 (G.DMT)
 - ◆ ITU G.992.2 (G.Lite),
 - ◆ ANSI T1.413 Issue 2,
 - Annex A, Annex B (Option), Annex C (Option).
- RFC Protocols :
 - PPP Over ATM (PPPoA) VCMUX (RFC 2364) (WAN)
 - PPP Over ATM (PPPoA) LLC (RFC 2364) (WAN)
 - PPP Over Ethernet (PPPoE) LLCSNAP (RFC 2516) (WAN)
 - ◆ PPP Over Ethernet (PPPoE) VCMUX (RFC 2516) (WAN)
 - Bridge IP Over ATM LLCSNAP (RFC 1483) (LAN)
 - Routed IP Over ATM LLCSNAP (RFC 1483) (LAN)
 - Bridge IP Over ATM VCMUX (RFC 1483) (LAN)
 - Routed IP Over ATM VCMUX (RFC 1483) (LAN)
 - Classical IP Over ATM (RFC 1577)

Bus Type

Type B USB

Cables & Connectors

1 RJ-11 cable & 1 Type A/B USB cable

Management

Windows-based ADSL diagnostics tool for Windows 98/ME/2000/XP

Operating System Support

Windows 98/ME/2000/XP

Physical Description

Dimension : 14.6cm (L) x 9.55cm (W) x 3.0cm (H)

Operating Environment

Operating	$+0^{\circ}C \sim +50^{\circ}C$
Non-operating	-20° C ~ $+70^{\circ}$ C

Humidity

Operating	20%~80% RH
Non-operating	20%~80% RH

Standard Approval

CE CLASS B. FCC PART 15 CLASS B FCC PART 68 UL 1950

Status LED

1 LED indicates Transmit/Receive data 1 LED indicates Power

Features

The Amigo USB ADSL Modem provides the following features:

- Compliant with ADSL Standards
- Compatible with all T1.413 Issue 2, ITU G.DMT (G.992.1), and ITU G.lite (G.992.2) compliant CO DSLAM equipment
- DMT modulation and demodulation
- Full-rate adaptive modem
- Compliant with Universal Serial Bus Specification Revision 1.1
- USB bus-powered; an external power supply is not required
- USB Full Speed (12Mbps)
- Compatible with all T1.413 Issue 2, ITU G.DMT (G.992.1), and ITU G.lite (G.992.2) compliant CO DSLAM equipment
- Software upgradeable
- ATM SAR performed in software driver
- Includes a Microsoft Windows control panel monitoring program for configuring the adapter and checking the status of the connection
- WAN mode support: PPP over ATM (RFC 2364)
- LAN mode support: bridged Ethernet over ATM (RFC 1483)
- Tone detection for low power mode
- Provides an RJ-11 connector for connection to the telephone line
- Supports DSL downstream data rates up to 8 Mbps (125 times faster than standard 56K modems)
- Supports DSL upstream data rates up to 1Mbps

Ship Kit Contents

Your USB ADSL Modem is shipped with the following items:

- 1 USB ADSL Modem
- 1 RJ-11 cable
- 1 USB A/B cable
- 1 System CD (with software, manuals, readme files, etc..)

Back Pannel



LED Indicator



Preface

The USB ADSL Modem Manual

This manual contains information regarding the installation, operation, and configuration of the Amigo USB ADSL Modem. Additionally, it outlines the use of the Control Panel Application.

The following chapters are included in this manual :

- **Chapter 1 :** "Overview " offers a brief description of ADSL, protocol and device driver selection, and the features of the Amigo USB ADSL Modem.
- **Chapter 2 :** "Amigo USB ADSL Modem Installation and Software Setup " describes the steps for installing the Amigo USB ADSL Modem. The software installation procedure is detailed.

Chapter 1 : Overview

About ADSL

Asymmetric Digital Subscriber Line (ADSL) technology provides high-speed data access across regular phone lines (copper wires) by making use of previously unused frequency bandwidth above the voice band. By placing the ADSL signal above the frequency of the voice signal, ADSL service is able to coexist on the same line with your telephone service. ADSL is asymmetric in the sense that it provides a higher data rate in the downstream (receive) direction than in the upstream (transmit) direction. Asymmetric operation is ideal for typical home and small office use where files and information are downloaded more frequently than uploaded.

There are several standard types of ADSL modulation techniques including Discrete Multitone (DMT) and Carrierless Amplitude and Phase (CAP). The Amigo USB ADSL Modem is capable of supporting the following DSL standards: ANSI T1.413 Issue 2, ITU G.992.1 (G.DMT) and ITU G.992.2 (G.lite).

Protocol and Device Driver Selection

The Amigo USB ADSL Modem can be easily connected to a USB port on the PC via a standard USB cable. The Amigo USB ADSL Modem is fully software upgradeable so that new features and updates may be added by simply loading a new version of the device driver onto your PC.

ADSL modems employ ATM (Asynchronous Transfer Mode) framing. ATM is a protocol that divides packets into small fixed sized cells for rapid transmission over high-speed networks. The ATM protocol allows various types of traffic (e.g. data, voice, and video) to be securely and efficiently carried over the same network. ATM is being widely deployed by telecommunications carriers in their backbone networks. Two type of ATM connections are possible, PVC (Permanent Virtual Circuit) and SVC (Switched Virtual Circuit).

Several different protocols are used on top of ATM. The protocol required in your configuration depends on the equipment deployed by your DSL service provider. There are several possibilities:

- Point to Point Protocol (PPP) Over ATM (RFC 2364) PPP provides session setup, user authentication (login), and encapsulation for upper layer protocols such as IP (Internet Protocol). The use of PPP makes the modem appear as a dial modem to the operating system. Dial-Up Networking is used to establish a connection. PPP is supported by either the WAN (Wide Area Network) driver, or the ATM driver.
- 2. Bridged/Routed Ethernet/IP over ATM (RFC 1483) This protocol makes the modem appear as a local area network (LAN) device to the operating system.
- 3. RFC 1577 this is another local area network like protocol for IP address and ATM address mapping.

Two types of device drivers are provided for the Amigo ADSL USB modem, WAN & LAN. Note that all two drivers support ATM protocol. The proper choice of driver depends on the combination of Windows operating system and protocol.

LAN Mode

RFC-1483, bridged Ethernet over ATM, is supported in the LAN driver. This protocol provides LLC encapsulation for carrying network interconnect traffic over a single ATM AAL5 Virtual Connection. LLC encapsulation is desirable when it is not practical to have a separate VC for each carried protocol, such as with an ATM network that only supports Permanent Virtual Circuits (PVCs). The provided NDIS 5 drivers automatically establish a "connection-less" call using the defined PVC, and encapsulate Ethernet bridged frames.

WAN Mode

RFC-2364, PPP over ATM, is supported in the WAN driver. Point-to-Point Protocol provides a method of transporting multi-protocol packets over point-to-point links. Point-to-point links allow for services such as Link Control Protocol, Network-layer Control Protocol, and authentication. The PPP over ATM standard brings these point-to-point services to the ATM network where they are not inherently supported. The provided NDIS 5 drivers accept an empty dial string on a specific "link" or PVC from Windows Dial-up Networking to establish a call, and encapsulate PPP frames.

User selection of WAN or LAN mode can be done manually via the provided control panel. However, auto-configuration is supported with the provided installation wizard, so that the protocol mode is selected properly without user intervention.

Host Software

The host software NDIS mini-port driver provided implements the ATM Adaptation Layer 5 (AAL5), which is composed of two sub-layers:

- 1) The Segmentation and Reassembly (SAR) layer, and
- 2) The Convergence Sub-layer (CS). The AAL5 protocol

provides virtual connections, which offer error detection, but not error correction, between end stations attached to the same network.

The SAR sub-layer transmitter segments the higher layer information into a size suitable for the payload of the ATM cells of a virtual connection. The receiver reassembles the contents of the cells of a virtual connection into data units to be delivered to higher layers. During periods of no data transmission, the device set, and not the host software driver, performs idle cell insertion and deletion, thus unloading this task from the host PC and unburdening the USB with unnecessary traffic.

The Convergence Sub-layer performs message identification and clock recovery. Additionally, the CS of the AAL converts the user service information coming from the upper layer into a protocol data unit (PDU), and also carry out the opposite process at the receiver.

Unspecified Bit Rate (UBR) service is supported. It allows a connection to be established without specifying the bandwidth expected from the connection. The network makes no guarantees for UBR service: it establishes the route but does not commit bandwidth. UBR can be used for applications that have no delivery constraints and do their own error and flow control. Examples of potential uses or UBR are e-mail and file transfer, as neither application has real-time characteristics.

Chapter 2 : Amigo USB ADSL Modem Installation and Software Setup

WAN and LAN software drivers are supported. WAN and LAN applications support the Microsoft Windows 98/98SE, Windows Me, Windows 2000 and Windows XP operating systems.

Be sure to follow the instructions provided for your PC's operating system.

The following information may be required for software installation. Contact your DSL service provider before proceeding with software installation.

- Type of Driver to be Installed WAN and LAN software drivers are supported. The choice depends upon your DSL service provider.
- IP Address Settings the Amigo software installation process allows the server to dynamically assign IP Address settings. If your application requires static setting of specific address information you will need to know :
 - IP Address
 - Subnet Mask (for Bridged Ethernet applications only)
 - Default Gateway (for Bridged Ethernet applications only)
- Name Server Information the Amigo software installation process allows the server to dynamically assign Name Server Address settings. If your application requires static setting of specific address information you will need to know:
 - Primary DNS Address
 - Secondary DNS Address
 - Primary WINS Address
 - Secondary WINS Address
- ATM Virtual Path ID (VPI)

Note: Required if not using default values for driver type

- ATM Virtual Circuit ID (VCI) Note: Required if not using default values for driver type
- Encapsulation type Note: Required if not using default values for driver type
- Modulation type

Note: Required if not using default values for driver type

- User Name (for PPP applications only)
- Password (for PPP applications only).

Windows 98 INF Installation (LAN + WAN)

1. Plug in the USB modem into the computer and a **New Hardware Found** dialog box displays, and follows quickly by the **Add New Hardware Wizard**. This dialog box shows ADSL USB MODEM is found . Click **Next**.

Update Device Driver Wizard	
	This wizard searches for updated drivers for:
	Conexant DSL Network Device
	A device driver is a software program that makes a hardware device work.
	Upgrading to a newer version of a device driver may improve the performance of your hardware device or add functionality.
	< Back Next > Cancel

2. In the next dialog box, select the **Search for the best driver for your device (Recommended)** and Click **Next**.

Update Device Driver Wizard	
	 What do you want Windows to do? Search for a better driver than the one your device is using now. (Recommended) Display a list of all the drivers in a specific location, so you can select the driver you want.
	< <u>B</u> ack Next > Cancel

 In the next dialog box, select CD-ROM drive, and insert the LAN or WAN driver CD into the CD ROM drive. If the driver is in the root directory of the CD, select Specify a location, and Browse for the driver location(ex:F:\Conexant_USB\Driver\Lan). 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

4. The next dialog box states the Windows will now install the driver for the modem (**Conexant AccessRunner USB ADSL Adapter**) by using CXTCAFEU.INF file Click **Next**.

Update Device Driver Wizard	
	Windows driver file search for the device:
	Conexant AccessRunner USB ADSL LAN Adapter
	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:
	D:\DRIVER\CXTCAFEC.INF
	< <u>B</u> ack <u>Next</u> > Cancel

5. If the following dialog box appears, click **OK**.

Insert Dis	sk 🛛 🔀
8	Please insert the disk labeled 'Windows 98 Second Edition CD-ROM', and then click OK.
	OK

6. In the next dialog box, insert your Windows 98 CD-ROM in the selected driver and click **OK**.

Copying	Files	×
	The file 'dhoposvo.dll' on Windows 98 Second Edition CD-ROM cannot be found.	ОК
	Insert Windows 98 Second Edition CD-ROM in the selected drive, and click OK.	Cancel
		<u>S</u> kip File
	Copy files from:	<u>D</u> etails
	E:\EWIN98	

7. After Windows has completed installing the driver . Click Finish.

Update Device Driver V	Vizard
	Conexant AccessRunner USB ADSL LAN Adapter
	Windows has finished installing an updated driver for your hardware device.
8	
	< Back Finish Cancel

8. If the following dialog box appears, click Yes to reboot your computer.

System Settings Change 🛛 🛛 🕅	
?	To finish setting up your new hardware, you must restart your computer. Do you want to restart your computer now?
	Yes <u>N</u> o

9. The USB ADSL driver is successfully installed and the Status Task Bar will appear in the System Tray.



10. Go to the Device Manager, the "Conexant AccessRunner USB ADSL LAN Adapter " is under the Network Adapters, and the "Conexant AccessRunner USB ADSL Interface " is under the Universal Serial Bus Controllers for LAN installion.

System Properties ? 🗙
General Device Manager Hardware Profiles Performance
• View devices by type • • • • • • • • • • • • • • • • • • •
🗄 🚭 Floppy disk controllers
E G Hard disk controllers
E
I I I I I I I I I I I I I I I I I I I
Index and Access Burner USB ADSL LAN Adapter
Dial-Up Adapter
Bealtek BTL8029(AS) PCI Ethernet NIC
🕀 💬 🎐 Ports (COM & LPT)
😥 🖳 System devices
🖻 🛱 Universal Serial Bus controllers
Conexant AccessRunner USB ADSL Interface
Intel 823/1AB/EB PCI to USB Universal Host Controller
USB Root Hub
Properties Petrach Permane Print
OK Cancel

11. Go to the Device Manager, the "Conexant AccessRunner USB ADSL WAN Adapter" is under the Network Adapters, and the "Conexant AccessRunner USB ADSL Interface" is under the Universal Serial Bus Controllers for WAN installation.

System Properties ? 🗙
General Device Manager Hardware Profiles Performance
• View devices by type • • • • • • • • • • • • • • • • • • •
🗄 🖶 🚭 Floppy disk controllers
🗄 🖶 🔁 Hard disk controllers
E
I I I I I I I I I I I I I I I I I I I
Han Mouse
Retwork adapters
Bealtek BTI 8029(AS) PCI Ethernet NIC
🗄 🖞 Ports (COM & LPT)
😥 🖳 System devices
📄 🚔 Universal Serial Bus controllers
😋 Conexant AccessRunner USB ADSL Interface
Intel 82371AB/EB PCI to USB Universal Host Controller
USB Root Hub
Properties Refresh Remove Print
OK Cancel



12. The Conexant AccessRunner ADSL icon is installed in the Control Panel.

Windows 2000 INF Installation (LAN + WAN)

1. Plug in the USB modem into the computer and a **New Hardware Found** dialog box will pop up, and followed quickly by the **Found New Hardware Wizard**. Click **Next**.



2. In the next dialog box, select the **Search for a suitable driver for my device (recommended)** And click **Next**.

ound 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: Image: ADSL USB MODEM 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. Image: What do you want the wizard to do? Image: Search for a suitable driver for my device (recommended) Image: 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

In the next dialog box, select CD-ROM drives (when the driver is in the root directory of the CD-ROM). If the driver is in the root directory of the CD, select Specify a location, and browse for the driver location. 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:				
ADSL USB MODEM				
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 <u>d</u> isk drives				
CD-ROM drives				
Specify a location				
Microsoft Windows Update				
< <u>B</u> ack <u>N</u> ext > Cancel				



4. Windows will notify you that it is ready to install the driver by using **CXTCAFEU.INF** file. Click **Next**.

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:				
Windows found a driver for this device. To install the driver Windows found, click Next.				
d:\driver\amx-ca86u\cxtcafeu.inf				
< <u>B</u> ack Cancel				

5. Windows has completed the installation for the **Conexant AccessRunner USB ADSL Interface**. Click **Finish**.



6. Windows will notify you that the **Digital Signature Not Found**. A Digital Signature is not needed, and click **Yes** to continue the installation.



7. If the following dialog box appears for Digital Signature of Conexant AccessRunner USB LAN Adapter, click Yes.

Digital Signature Not Found				
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.			
	Conexant AccessRunner USB ADSL LAN Adapter			
	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 <u>N</u> o <u>M</u> ore Info			

8. The **USB ADSL driver** is successfully installed and the Status Task Bar will appear in the System Tray.

🍕 🏧 💐 🚮 🏷 🛛 1:01 AM

9. Go to the Device Manager, the "Conexant AccessRunner USB ADSL LAN Adapter" is under the Network Adapters, and the "Conexant AccessRunner USB ADSL Interface" is under the Universal Serial Bus Controllers for LAN installation.



10. Go to the Device Manager, the "Conexant AccessRunner USB ADSL WAN Adapter" is under the Network Adapters, and the "Conexant AccessRunner USB ADSL Interface " is under the Universal Serial Bus Controllers for WAN installation.



11. The Conexant AccessRunner ADSL icon is installed in the Control Panel.



Windows ME INF Installation (LAN + WAN)

 Plug in the USB modem into the computer and a New Hardware Found dialog box displays, and follows quickly by the Add New Hardware Wizard. This dialog box shows ADSL USB MODEM is found, and when the driver is in the root directory of the CD-ROM, select Automatic search for a better driver (Recommended). If the driver is in the root directory of the CD, select Specify a location of the driver (Advanced). Click Next.

Add New Hardware Wiz	ard
	Windows has found the following new hardware: ADSL USB 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

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: D:\DRIVER\WINME Browse Display a list of all the drivers in a specific location, so you can select the driver you want. 			
	< <u>B</u> ack Next > Cancel			

Add New Hardware Wizard Windows driver file search for the device: Conexant AccessRunner USB ADSL Interface 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: D:\DRIVER\CXTCAFEU.INF <</td> <</td>

2. Windows has completed the installation for the **Conexant AccessRunner USB ADSL Interface**. Click **Finish**.

Add New Hardware Wizard					
	Conexant AccessRunner USB ADSL Interface				
	Windows has finished installing the new hardware device.				
8					
	< Back Finish Cancel				

 The USB ADSL driver is successfully installed and the Status Task Bar will appear in the System Tray.



 Go to the Device Manager, the "Conexant AccessRunner USB ADSL LAN Adapter " is under the Network Adapters, and the "Conexant AccessRunner USB ADSL Interface " is under t;he Universal Serial Bus Controllers for LAN installation.



 Go to the Device Manager, the "Conexant AccessRunner USB ADSL WAN Adapter " is under the Network Adapters, and the "Conexant AccessRunner USB ADSL Interface " is under the Universal Serial BUS Controllers for WAN installation.

System Properties	? ×
General Device Manager Hardware Profiles Performance	
	1
• View devices by type • View devices by connection	
🕀 🚭 Hard disk controllers	- I
🕀 🎯 Keyboard	
🗄 🖳 🔜 Monitors	
🕀 🖓 Mouse	
🖻 🕮 Network adapters	
Conexant AccessRunner USB ADSL LAN Adapter	
📲 Dial-Up Adapter	
Realtek RTL8029(AS)-based PCI Ethernet Adapter	
🗄 👻 😲 Other devices	
🕀 🖉 Ports (COM & LPT)	
🕀 🏪 Sound, video and game controllers	
🔁 🖳 System devices	
🖻 🕰 Universal Serial Bus controllers	
🛶 🛶 Conexant AccessRunner USB ADSL Interface	
🛶 Intel 82371AB/EB PCI to USB Universal Host Controller	
🚽 🛶 USB Root Hub	
Properties Refresh Remove Print	
	-
OK Cano	el

6. The Conexant AccessRunner ADSL icon is installed in the Control Panel.



Configure the WAN driver for PPPoE and PPPoA

Go to Control Panel and click on Conexant AccessRunner ADSL icon. Use Alt-C key to access the

Protocol Setup Tab. At the Encapsulation Mode , select **Routed IP over ATM VCMUX (RFC1483)** for **Bridged** , same of **PPPoE for PPPoA**.

Con	exant Acces	sRunner USB AD	SL LAN Adapter			×
	AutoLog General	Connection Physical Layer S	Line Setup	ATM Statistics	AAL Statistics	
	ATM Virtual C Virtual Virtual C Aggregate Ch Encaps	tup ATM Circuit Identification Path Identifier (VPI) ircuit Identifier (VCI) hannel Setup ulation Mode Route	OAM Loopback	HAL Diagnostics Virtual Circuit 1 8 43		
	Maximum P Receive	acket Length Transmit 1500	Peak Cell Rate (PCR)	Line Rate 💌		
L				Apply		
ja 🗾	Nont 📝 🔁	rol Panel	🔡 📲 WinME-8 - Pair	nt		* =

At the Encapsulation Mode , select Bridged IP over ATM VCMUX (RFC1483) for Routed.

Cone	xant AccessRu	unner USB AD:	SL LAN Ad	apter			×
	AutoLog	Connection	Line 9	ietup	ATM Statistics	AAL Statistics	
	General 🗍	Physical Layer 9	Statistics	ATM Li	nk Statistics	AAL Link Statistics	- í I
	Protocol Setup	ATM	OAM Loopba	ack	HAL Diagnostics	TCP/IP	Í
	ATM Virtual Circu Virtual Path Virtual Circui	it Identification	Virtual Circ	uit 0 0 35	Virtual Circuit 1 8 43		
	Aggregate Chann Encapsulati - Maximum Pack Receive	el Setup on Mode Bridge et Length Transmit	d IP over ATI Peak Cell	M VCMUX (R Rate (PCR)	FC1483)		
					Apply]	
چ ک	Control	Panel					1

Some of **PPPoA for PPPoE.**

To make the Routed or Bridged (PPPoA or PPPoE)connection, go to Dial-Up Networking > Make New Connection, and use the Conexant AccessRunner USB ADSL WAN Adapter as the connecting device.

Windows XP INF Installation (LAN + WAN)

1. Plug in the USB modem into the computer and a **New Hardware Found** dialog box will pop up, and follow quickly by the **Found New Hardware Wizard**. Click **Next**.

Found New Hardware Wizard		
	Welcome to the Found New Hardware Wizard	
	This wizard helps you install software for:	
	ADSL USB MODEM	
	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.	
	< <u>B</u> ack <u>N</u> ext > Cancel	

2. In the next dialog box, select **CD-ROM** drives (when the driver is in the root directory of the CD-ROM). If the drivers is in the root directory of the CD, select **Include this location in the search:** , and browse for the driver location . Click **Next**.

Found New Hardware Wizard		
Please choose your search and installation options.		
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:		
D:\Driver Srowse		
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.		
< <u>B</u> ack <u>N</u> ext > Cancel		

3. Windows will notify you that it is ready to install the driver for **Conexant AccessRunner USB ADSL LAN Adapter**. And click **Continue Anyway**.

Hardware Installation		
<u>.</u>	The software you are installing for this hardware: Conexant AccessRunner USB ADSL LAN Adapter 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. Windows has completed the installation for the **Conexant AccessRunner USB ADSL Interface**. Click **Finish**.

Found New Hardware Wizard		
	Completing the Found New Hardware Wizard	
	The wizard has finished installing the software for:	
491	Conexant AccessRunner USB ADSL LAN Adapter	
	Click Finish to close the wizard.	
	< <u>B</u> ack Finish Cancel	

5. The USB ADSL driver is successfully installed and the Status Task Bar will appear in the System Tray.

📚 📷 强 🔏 2:30 PM

 Go to the Device Manager, the "Conexant AccessRunner USB ADSL LAN Adapter " is under the Network Adapter, and the "Conexant AccessRunner USB ADSL Interface " is under the Universal Serial Bus Controllers for LAN installation.



7. Go to the device Manager, the "Conexant AccessRunner USB ADSL LA Adapter " is under the Network Adapters, and the "Conexant AccessRunner USB ADSL Interface " is under the

Universal Bus Controllers for LAN installation.



8. The Conexant AccessRunner ADSL icon is installed in the Control Panel.

