



USER'S MANUAL

ER.D-STD-PK-MAN-0249

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Chapter 1 Introduction

USB ADSL modem is designed to provide cost-effective access to high-speed ADSL services. With this ADSL modem, surfing on Internet is just like driving a sports car on the Express Highway. Video on Demand, Video Conference and any high speed internet applications is not just a dream any more, but a reality!

Features

- * USB bus-powered; an external power supply is not required
- * ANSI T1.413 issue 2, ITU G.dmt(G.992.1), and ITU G.lite(G.992.2) compliant
- * Software upgradable
- * WAN mode support:

PPP over ATM LLCSNAP/VCMUX (RFC 2364)

PPP over Ethernet LLCSNAP/VCMUX (RFC 2516)

* LAN mode support:

Classical IP over ATM (RFC 1577)

Bridged IP over ATM LLCSNAP/VCMUX (RFC 1483)

Routed IP over ATM LLCSNAP/VCMUX (RFC 1483)

- * Supports DSL downstream data rates up to 8 Mbps
- * Supports DSL upstream data rates up to 1 Mbps
- * Compliant with Universal Serial Bus Specification Revision 1.1

System Requirement

*A mainboard with USB support
*Pentium II CPU above or compatible
*RAM: 64M or above
*Windows 98, Windows 2000, Windows ME, Windows XP

Package Checklist

*One USB ADSL modem *One USB cable *One Telephone cable *One Installation User Guide *One Driver CD

Data Requirement

You must get the following data information from your ISP or phone company to set up this USB ADSL Modem.

For ADSL LAN mode user

- * VPI/VCI value
- * Encapsulation mode(example: RFC 1483, 1577...etc.)
- * IP Address, Subnet Mask
- * Gateway value
- * DNS

For ADSL WAN (PPPoE/PPPoA) mode user

- * VPI/VCI value
- * Encapsulation mode(example: RFC 2364, 2516...etc.)
- * User name & password

Chapter 2 Installation

Hardware Installation

To install the USB ADSL Modem, perform the following steps:

- Insert the rectangular end of a USB cable into the USB port of your PC. Then, insert the square end of the USB cable into the USB port of the USB Modem.
- 2. Insert the Driver CD into the proper drive.

Front Panel LED

LED Indicator	ON	Flash
ADSL	Connecting	Ready to connect
DATA	Data Tx/Rx	

Driver Installation for both LAN and WAN mode with WIN 98

1. After you have connected the ADSL USB Modem to your PC, the "Add New Hardware Wizard" will be displayed. Insert the driver CD and click **Next**.



2. Choose the "Search for the best driver for your device (Recommented)", and click **Next**.



3. Select the "CD-ROM drive" and "Specify a location" then click **Browse**. (Make sure you have inserted the installation disk into the CD-ROM drive.)



4. Please specify the path which your ADSL modem connected to Internet, and then click **OK**. (The following pictures and instructions are taking LAN as an example.).





6. Click **Finish** to complete the installation.



7. To set the ADSL configuration, please go to page 10.

5. Click Next.

Driver Installation for both LAN and WAN mode with Win ME

1. After you have connected the USB ADSL Modem to your PC the "Add New Hardware Wizard" will be displayed Choose the "Automatic search for a better driver (Recommended)" and click **Next**.

2. Please specify the path which ADSL modem connected your computer to Internet, and then click **OK**.

3. Click **Finish** to complete the installation.

4. To set the ADSL configuration, Please go to page 10.







Driver Installation for both LAN and WAN mode with Win 2000/XP

1. After you have connected the ADSL USB Modem to your PC, the "Found New Hardware Wizard" will be displayed. Insert the driver CD and click **Next**.

2. Choose the "Search for a suitable driver for my device(recommended)" and click **Next**.
 Welcome to the Found New Endward Wizard

 Welcome to the Found New Endward New Wizard

 The wizard helps you initial a device driver for a herdware decice

 The continue, click Neet.

 Click
 Neer >
 Cancel

Install Hardware Device Drivers A device driver s a software program that e an operating system.	enables a hardware device to work with
This wizard will complete the installation for	this device:
ADSLUSE MODEM	
A device driver is a software program that n needs driver files for your new device. To lo installation click Next.	nakes a hardware device work. Windows scate driver files and complete the
What do you want the wizard to do?	
Search for a suitable driver for my de	evice (recommended)
 Display a list of the known drivers for driver 	r this device so that I can choose a specific
	<back next=""> Cancel</back>
Found New Hardware Wizard	
Found New Hardware Wizard Locate Driver Files Where do you want Windows to search for	r chiver files?
Found New Hardware Wizard Locate Driver Files Where do you want Windows to search for Search for driver lifes for the following hard	r driver files?
Found New Hardware Wizard Locate Driver Files Where do you were Windows to search for Search for driver files for the following hard Que ADSL USB MODEM	ndiver files?
Found New Hardware Wizard Locate Driver Files When dragou work Windows to search for Search for driver files for the following hard Open ADSL USB MODEM The Wood searcher for subside drivers the	r driver film?
Found New Hardware Wizard Locate Driver File: When dright word Windows to search for Search for driver files for the following hard ADSL USB MODEM The vibraid searches for autobility of the following the following optimical search location To start the search, cick Med. Figure are in set the following optimical search location	n thinker Elect?
Found New Hardware Wizard Locate Driver Files When dragou work Windows to search for Search for driver files for the following hard ADSL USB MODEM The whold searches for suitable drivers in any of the following optimal search hardwor To start the reach's cick files (Flyau are s houst the flagor did and D before cicking Optimal search footimes:	r driver files? Example of the second s
Found New Hardware Wizard Locate Driver File: When drigou went Windows to search for Search for driver files for the following hard any of the following optional search location To stort the reach, cick New Jyou are so inset the folgo did to rCD before doing Optional search location:	ndfiver files? Example of the second se
Found New Handware Wizard Locate Driver File: Where do you were Windows to search for Search for driver files for the following hard W ADSL USB MODEM The vectod searches for succeive of vector in any of the following optional search location: To set the reache, sick New I you are a inset the locay disk or CD before cloking Optional search locations: File popy disk drives File Co POM drives File Code is closed and	ndiwer Res? Experience on you computer and In resolutions exclude on you computer and In resolutions exclude on a Roppy disk or CD ROM drive. Next.
Found New Handware Wizard Locate Driver File: Where do you were Windows to search for Search for driver files for the following hard W ADSL USB MODEM The vector searches for succeive of the work of the were bare of the work of the were bare of the work of the were bare of the search for the were bare of the search for the were bare of the work of the were bare of the search for the work of the were bare of the search for the were bare of the search for the search the search search the search	ndriver ReaD Example on you computer and In to driver divisibles on you computer and In the Inhal you specify. Reaching on a Boppy disk or CD-ROM drive. Next.
Found New Hardware Wizard Locate Driver File: Where do you were Windows to search for Search for driver files for the following hard Windows MODEM ADSL USB MODEM The victual assoches for succible drivers in any of the following optional search location To set the reache, tick level. I you are a noter the floppy disk drives Chicken Search Collection Distant search following Distant search following Microsoft-Windows Update	ndiwer Rea?

3. Select the "CD-ROM drive" and "Specify a location" and then click **Next**. (Make sure you have inserted the installation disk into the CD-ROM drive.)

4. Click **Browse** to search driver's loction.



5. Please specify the path which your ADSL modem connected to Internet. (The following pictures and instructions are taking WAN as an example.)



6. Click Next.

Found New Hardware Wizard
Driver Files Search Results The wizard has tinished searching for driver files for your hardware device
The wizard found a driver for the following device:
ADSL USB MODEM
Windows found a driver for this device. To install the driver Windows found, click Next.
e:\driver\wan\catcefeu.in'
< Back Next > Cancel

7. Click Yes.

Digital Signature Not Fou	nd
	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 discrosoft digital signature. Therefore, there is no guarantee that this software works correctly with Windows. Unknown software package If you want to search for Microsoft digitally signed software, visit the Windows Update Web site at http://windows.pdate.microsoft.com to see if one is avaitable. Do you want to continue the installation?
	Yes No More Info

8. Click **Finish** to complete the installation.



9. To set the ADSL configuration, please go to page 10.

Chapter 3 ADSL Configuration

ADSL LAN Configuration

1. Conexant Access Runner

ADSL icon should be added in the control panel or on the desktop.



2. Click the **Conexent Access Runner ADSL** icon, it will be displayed the status of the modem.

-ADSL Line Information	on	* (A)	
	Attempting	to Activate Line	•
-ADSL Connection	Information		
Bytes Received:	0	Bytes Transmitted:	0
Receive Rate:	0 kbits/s	Transmit Rate:	0 kbits/s
Driver SAW Versio	n: 14.3.2.088 (51	(00)	Clear
@ •••	IEXAN	T Lo	inexant Systems, Inc

3. Press Alt + P on the keyboard, the right figure appears .

AUR ACCES	maime	0007	ab o L	CARE AUG	Mar			
AutoLog	Co	nnection		Line Se	tup]	ATM Statistics		AAL Statistics
Protocol Set	ap	A	TM OAI	M Loopbac	k	HAL Diagnos	tics:	TCP/IP
General	Phy	oical Lay	or Ctati	istics	ATM	Link Citatistics		L Link Ctatistic
ADSL Line Info	AD SL	ATM	AAL	Rate				
Receive				0 kbits/s		VPI = 0		
Transmit				0 kbits/s		VCI = 35		
Line Status								
Line Down						Stop ADSL		
Call Status Idle				ADS	L Modula	stion Undefine	ł	
Encapsulatio	n Mode							
Bridged IP	over ATI	M LLCSN	iap (Ri	FC14831				
63.								
<u>(</u> = °	0 N	• ^ ^	NT	Driver	S/WVe	rsion: 14.3.2.088 (5	100)	

4. Under the **Protocol Setup** please set the value of **VCI**, **VPI** and **Encasulation**.

nexant Acces	sRunner USB ADS	L LAN Adapter		
AutoLog	Connection	Line Setup	ATM Statistics	AAL Statistics
tieneral	Physical Layer S	tatistics A	I M Link Statistics	AAL Link Statistics
Protocol Set	un ATM (JAM Loopback	HAL Diagnostice	ТСРИР
ATM Vituel C	Path Identifier (VEI)	Virtual Circuit 0	Vitual Circuit 1	
Aggrogato Ch	annel Setup Ilation Mode Bridged	IIP over ATM LLCS	NAP (RFC1483)]
Maximum P Heceive 1500	acket Length Transmit 1500	Peak Cell Hate (H	UHJ 🛛 🔲 💌	
			Apply	1

5. Click My Computer on the **desktop\Control Panel\Network**\ **Configuration** -> select **TCP/IP** -> click **properties** to set the steps of 6 to 8

6. <u>IP Address setting:</u> select **Specify an address**, then enter the value of **IP Address** and **Subnet Mask** which released from your ISP.

CP/IP Properties			?
Dindings)	Advanced) NetD	105
DNS Configuration G	ateway WINS Co	onfiguration II	Address
An IP address can be If your network does your network administ the space below.	automatically assignot automatically assignot automatically as trator for an address	ined to this com sign IP address , and then type	puter. es, ask it in
O <u>O</u> btain an IP ad	dress automatically		
	ddress:		
IP Addrose:	61.13.1	87.187	
S <u>u</u> bnet Mark:	255.255.2	54.254	
		OK	Cancel
		011	001001

7. Gateway setting :

enter the data from your ISP and click **Add**.

Dinangs	Adv	anced	4	IctBIOS
ONS Configuration	Gateway	WINS Con	figuration	IP Address
The first gateway The address order machines are user	n the Instalk in the list wi t	ed Gateway I ill be the ords	ist will be er in whicł	the default these
New gateway:	54.254) <u>(A</u> d	3	
255.254.254.2	254	<u>H</u> emo	ive	

8. DNS Configuration setting : Select Enable DNS, enter Host name and add DNS Server Search Order. Click Add and OK.

Bindings .	Advanced	1	NetBIOS
DNS Configuration Gatew	ay WIN	5 Configurati	ion IP Address
🔘 Disable DNS			
Enable DNS			
Host: test	Dor	nain:]
DNS Server Search Urde	e —		1
·· ·		Add	
61.13.187.187		Bemov	e
Domain Suffix Search Dr	dər —		
		Add	
		Permit	
		eiliov	
	100		

9. Reboot your computer.

NOTE: Above description is the device installation of USB ADSL modem. The Network configuration is depended on your DSL service provider, please consult with your service provider about the configuration.

ADSL WAN Configuration

1. Conexant Access Runner ADSL and AccessRunner DSL

icon should be added in the control panel and on the desktop.



2. Click the **Conexent Access Runner ADSL** icon, it will be displayed the status of the modem.

		<u> </u>	
2	Attempti	ng to Activate Line	
ADSL Connection In	formation —	D. T. 20.1	
Receive Rate:	u O kbits/s	Bytes Transmitted: Transmit Rate:	u O kbits/s
Driver SAW Version:	13.3.2.096 (1	601)	Dear
		-0	
C CON	EXAN	T	

3. Press Alt + P on the keyboard, the right figure appears .

Cone	xant AccessRun	ier USB ADSL	WAN Adapter	×
Ger	neral Line Setup	Protocol Setup		
F	ADSL Line Informatio	n		
			× 🚱	
		Attemptin	g to Activate Line	
	ADSL Connection	Information		
	Bytes Received:	0	Bytes Transmitted:	0
	Receive Rate:	0 kbits/s	Transmit Rate:	0 kbits/s
	Driver S/W Versio	n: 13032.099.05	0.000	Clear
	@_~ • • •	5 X & N 1	r Co	nexant Systems, Inc.
		OK	Cancel App	y Help

4. Under the **Protocol Setup** please set the value of **VCI**, **VPI** and **Encasulation**, then click **OK**.

Conexant AccessRunner USB ADSL WAN Adapter
General Line Setup Protocol Setup
ATM Virtual Circuit Identification
Virtual Circuit 0 Virtual Circuit 1
Virtual Path Identifier (VPI)
Virtual Circuit Identifier (VCI) 35
Aggregate Channel Setup Encapsulation Mode PPP over ATM VCMUX (RFC2364) Maximum Parket Length
Receive Transmit Peak Cell Rate (PCR) Line Rate
OK Cancel Apply Help

5. Click the Access Runner DSL icon on the desktop -> enter User name, Password and Phone number(don't care; recommend "0000") from your ISP.

A N	ccessRunner DSL
∐ser name:	test
Password:	8888
	Save password
^p hone <u>n</u> umber	. 0000000
	Pid Data Mark

6. Click Connect. Now, you can surfer the Internet!!

** NOTE: Above description is the device installation of USB ADSL modem. The Network configuration is depended on your DSL service provider, please consult with your service provider about the configuration.