

User's Manual

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# Chapter 1 Introduction

## 1.1 HDSL640 ADSL USB Modem Features

The HDSL640 ADSL USB Modem provides the following features:

- Bus-powered USB modem for broadband ADSL.
- Downstream data rate up to 8 Mbps and upstream up to 1 Mbps.
- No external power supply is required.
- Hot Plug and Play for Microsoft Windows 98 (SE), 2000, Me, and XP.
- Supports NDIS interface for RAS and Dial-Up Networking.
- Software upgradable.
- Supports multiple data encapsulation formats, including PPPoE, PPPoA, IPoA, and RFC1483 bridged or routed.

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• Friendly GUI Configuration Program.

## **1.2 Package Contents**

The product package comes with the following accessories:

- 1. One HDSL640 ADSL USB Modem
- 2. One installation CD with drivers and online manual
- 3. One RJ-11 ADSL telephone cable
- 4. One USB cable
- 5. One Quick Start Guide

## **1.3 The Front LEDs**

LED	N eaning
USB	When this LED is lit, it indicates that the USB port is connected to the PC and working properly.
ADSL	When lit, it indicates that the ADSL (Line) port is connected to the DSLAM and working properly.
TXD	Flashes when transferring data.
RXD	Flashes when receiving data.
READY	When lit, it indicates that the device is working properly.

## **1.4 Information from ISP**

Before you start installing this device, you have to check with your ISP what kind of service (connection method) is provided such as PPPoE, PPPoA, RFC1483 bridged or routed, and IPoA.

<sup>2</sup> 

Gather the information as illustrated in the following table and keep it for reference.

If your ISP provides PPPoE or PPPoA connection method, please select "USB ADSL WAN Adapter" to install driver. If your ISP provides RFC1483 Bridged or Routed or IPoA, please select "USB ADSL LAN Adapter" to install driver.

PPPoE	VPI/VCI, VC-based/LLC-based multiplexing, Username, Password, Service Name, and Domain Name System (DNS) IP address (it can be automatically assigned from ISP or be set fixed).
РРРоА	VPI/VCI, VC-based/LLC-based multiplexing, Username, Password, and Domain Name System (DNS) IP address (it can be automatically assigned from ISP or be set fixed).
RFC1483 Bridged	VPI/VCI, VC-based/LLC-based multiplexing
RFC1483 Routed	VPI/VCI, VC-based/LLC-based multiplexing, IP address, Subnet mask, Gateway address, and Domain Name System (DNS) IP address (it is fixed IP address).
ІРоА	VPI/VCI, IP address, Subnet mask, Gateway address, and Domain Name System (DNS) IP address (it is fixed IP address).

# Chapter 2 Installation

# 2.1 Installing the HDSL640

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Please refer to the following instructions and figures:

- 1. Connect ADSL telephone cable to the LINE RJ-11 jack.
- **2.** Connect the USB cable to the USB port and connect the other end to the PC.



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## 2.2 Installing the HDSL640 Drivers

### 2.2.1 For Windows 98

1. Start Windows. After the opening banner, Windows will tell you that the new device has been detected. You will then see the following screen. Click "Next >".



2. In the next window, select "Search for the best driver for your device" and click "Next >".



3. Insert the installation CD into the CD-ROM drive and check "Specify a location". Click "Browse…" to specify the driver directory such as F:\Driver\LAN for installing an USB ADSL LAN Adapter or F:\Driver\WAN for installing an USB ADSL WAN Adapter. (Please refer *Information from ISP* section for more details.) Click "OK" and then "Next>" to continue.



Browse for Folder	? X
Select the folder that contains driver information (.INF fit this device.	le) for
🖃 🖅 Desktop	
🔄 🚊 My Computer	
🔄 🕀 🚽 3½ Floppy (A: )	
🔜 🕀 🖅 🖅 Ewin 98se (C:)	
😥 📻 Data (D:)	
🗎 🖅 🗃 Backup (E:)	
📄 📄 🕰 (F:)	
📄 🗋 Driver	
WAN	
Printers	-
OK Car	icel

- **4.** Continuing through the Wizard, click the "Next >" button. Windows will start copying files to your system. Then, click "Finish".
- **5.** You will see the following screen prompting for the path of the Windows source files. Please specify a location. Click "OK".

opying	Files	
-4	The file "phipapi.dl" on Windows 39 Second Edition ED-ROM cannot be found	06
_	Insert Windows 98 Second Edition CD FIDM in the selected drive, and click DK.	Cancel
		Skip File
	Cupy files from	Detaile_
	-	

6. The HDSL640 ADSL USB Modem driver is successfully installed and the Status Task Bar will appear in the System Tray.



7. The HDSL640 ADSL USB Modem icon is installed in the Control Panel.



8. Go to the Device Manager, the "USB ADSL LAN Adapter" is under the Network Adapters, and the "HDSL640 ADSL USB Modem" is under the Universal Serial Bus Controllers for USB ADSL LAN driver installation.

Go to the Device Manager, the "USB ADSL WAN Adapter" is under the Network Adapters, and the "HDSL640 ADSL USB Modem" is under the Universal Serial Bus Controllers for USB ADSL WAN driver installation.





### 2.2.2 For Windows Me

1. Start Windows. After the opening banner, Windows will tell you that the new device has been detected. Select "Specify the location of the driver" and click "Next >".



Windows can automatically search for that supports your hardware. If your har installation media, insert it now and cli What would you like to do? <u>Automatic search for a better drive</u>	
What would you like to do?	for and install software hardware came with click Next.
C Automatic search for a better drive	
	iver (Recommended)
<ul> <li>Specify the location of the driver (i)</li> </ul>	r (Advanced)

 Insert the installation CD into the CD-ROM drive and check "Specify a location". Click "Browse..." to specify the driver directory such as F:\Driver\LAN for installing an USB ADSL LAN Adapter or F:\Driver\WAN for installing an USB ADSL WAN Adapter. (Please refer *Information from ISP* section for more details.) Click "OK" and then "Next>" to continue.

	Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected
	<ul> <li>Search for the best driver for your device. (Recommended).</li> </ul>
	Removable Media (Floppy, CD-ROM)
8	✓ Specify a location: ■ Browse
- ** *	Display a list of all the drivers in a specific location, so you can select the driver you want.



Browse for Folder	? X
Select the folder that contains driver information (.INF fi this device.	ile) for
⊡ 🚮 Desktop	
😟 🔄 🔄 My Documents	
📄 🚊 My Computer	
🔃 💼 🚽 3½ Floppy (A:)	
😟 📻 Local Disk (C:)	
🖻 😑 DATA (D:)	
😟 🚍 BACKUP (E:)	
📄 🎰 🎡 USB ADSL Modem (F:)	
📄 📥 Driver	
LAN	
WAN	
🔄 庄 💼 Manual	
📄 🗄 📾 Control Panel	
OK Car	ncel

**3.** Continuing through the Wizard, Windows will start copying files to your system. Then, click "Finish".

Add New Hardware Wi	zard
	C USB ADSL Modem
	Windows has finished installing the new hardware device.
<b>~</b>	
	< Back Finish Cancel



**4.** The HDSL640 ADSL USB Modem driver is successfully installed and the Status Task Bar will appear in the System Tray.



5. The HDSL640 ADSL USB Modem icon is installed in the Control Panel.



6. Go to the Device Manager, the "USB ADSL LAN Adapter" is under the Network Adapters, and the "HDSL640 ADSL USB Modem" is under the Universal Serial Bus Controllers for USB ADSL LAN driver installation.

Go to the Device Manager, the "USB ADSL WAN Adapter" is under the Network Adapters, and the "HDSL640 ADSL USB Modem" is under the Universal Serial Bus Controllers for USB ADSL WAN driver installation.





### 2.2.3 For Windows 2000

**1.** Start Windows. After the opening banner, Windows will show the new device has been detected. Click "Next>".

Found New Hardware Wizard	
	Welcome to the Found New Hardware Wizard This wizard helps you install a device driver for a hardware device.
	<back. next=""> Cancel</back.>

2. Select "Search for a suitable driver for my device". Click "Next>". Then, insert the installation CD into the CD-ROM drive. In next window, check "Specify a location" and 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:				
USB ADSL 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 disk drives				
CD-ROM drives				
Specify a location				
Microsoft Windows Update				
< Back Next > Cancel				



3. Click "Browse...". In the Locate File window, specify the driver directory such as F:\Driver\LAN\CxtCAFEU for installing an USB ADSL LAN Adapter or F:\Driver\WAN\CxtCAFEU for installing an USB ADSL WAN Adapter. (Please refer *Information from ISP* section for more details.) Click "Open" and then "Next>" to continue.

Locate File					? ×
Look in:	🔁 LAN		•	🗢 🗈 💣 🎫	
	CxtCAFEU				
History					
My Documents					
My Computer					
	File name:	CxtCAFEU.inf		-	Open
My Network P	Files of type:	Setup Information (*.inf)		<b>V</b>	Cancel

**4.** When windows titled "Digital Signature Not Found" appear, press "Yes" to continue the installation.

Digital Signature Not Fo	und
	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.
	Unknown software package 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



5. Press "Finish".

Found New Hardware Wizard	
	Completing the Found New Hardware Wizard WISB ADSL Modem Windows has finished installing the software for this device. To close this wizard, click Finish.
	< Back Finish Cancel

6. The HDSL640 ADSL USB Modem driver is successfully installed and the Status Task Bar will appear in the System Tray.



7. The HDSL640 ADSL USB Modem icon is installed in the Control Panel.





8. Go to the Device Manager, the "USB ADSL LAN Adapter" is under the Network Adapters, and the "HDSL640 ADSL USB Modem" is under the Universal Serial Bus Controllers for USB ADSL LAN driver installation.

Go to the Device Manager, the "USB ADSL WAN Adapter" is under the Network Adapters, and the "HDSL640 ADSL USB Modem" is under the Universal Serial Bus Controllers for USB ADSL WAN driver installation.



島 Device	Manager
Action	<u>V</u> iew   ← →    📧   😫   🕄
⊡ <u>–</u> ] JE°	5SIE-NT
÷	Computer
÷	Disk drives
. E	Display adapters
📃 🕀 🔔	DVD/CD-ROM drives
÷	Floppy disk controllers
÷	Floppy disk drives
	IDE ATA/ATAPI controllers
E ∰	; Keyboards
É ⊕ ∑	Mice and other pointing devices
Ē. <b>9</b>	Monitors
- <b>-</b>	Network adapters
	D-Link DFE-530TX PCI Fast Ethernet Adapter (Rev B)
	USB ADSL LAN Adapter
±,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Ports (COM & LPT)
	Sound, video and game controllers
	System devices
⊨⊸ਵ	Universal Serial Bus controllers
	ALIPCI to USB Open Host Controller
	COD KOOL HUD

## 2.2.4 For Windows XP

1. Start Windows. After the opening banner, Windows will tell you that the new device has been detected. Select "Install from a list or specific location" and click "Next >".

Found New Hardware Wiz	ard
	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?
	<ul> <li>Install the software automatically (Recommended)</li> <li>Install from a list or specific location (Advanced)</li> </ul>
	Click Next to continue.
	< Back Next > Cancel

2. Insert the installation CD into the CD-ROM drive and select "Include this location in the search". Click "Browse" to specify the driver directory such as F:\Driver\LAN for installing an USB ADSL LAN Adapter or F:\Driver\WAN for installing an USB ADSL WAN Adapter. (Please refer *Information from ISP* section for more details.) Click "OK" and then "Next>" to continue.

und New H Please cho	nd New Hardware Wizard Ylease choose your search and installation options.		
📀 Searc	h for the best driver in these locations.		
Use th paths	e check boxes below to limit or expand the default search, which includes local and removable media. The best driver found will be installed.		
	Search removable media (floppy, CD-ROM)		
<b>V</b>	Include this location in the search:		
	Browse		
🔿 Don't	search. I will choose the driver to install.		
Choos the dri	e this option to select the device driver from a list. Windows does not guarantee that ver you choose will be the best match for your hardware.		
	< Back Next > Cancel		

=

Br	owse For Folder 🛛 🕐 🔀
9	Select the folder that contains drivers for your hardware.
	🗷 🥯 XP (C:)
	🗉 🧼 DATA1 (D:)
	🗉 🥯 DATA2 (E:)
	🖃 🥝 USB ADSL Modem (F:)
	🖃 🧰 Driver
	🗀 LAN 💳
	🗀 WAN
	🗉 🧰 Manual 🛛 🗸 🗸
1	Fo view any subfolders, click a plus sign above.



**3.** When windows titled "Hardware Installation" or "Software Installation" appear, press "Continue Anyway" to go on.



4. Then, click "Finish".

Found New Hardware Wiz	ard
	Completing the Found New Hardware Wizard
	The wizard has finished installing the software for:
	USB ADSL Modem
	Click Finish to close the wizard.
	< Back Finish Cancel

 Wait a few moments. Windows will show the new device, USB ADSL LAN (or WAN) Adapter, has been detected. Select "Install from a list or specific location" and click "Next >".

Found New Hardware Wiz	ard
	Welcome to the Found New Hardware Wizard
	This wizard helps you install software for:
	USB ADSL LAN Adapter
- And	If your hardware came with an installation CD or floppy disk, insert it now.
	What do you want the wizard to do?
	<ul> <li>Install the software automatically (Recommended)</li> <li>Install from a list or specific location (Advanced)</li> </ul>
	Click Next to continue.
	< Back Next > Cancel



6. Click "Next >" when the following figure appears.



7. When windows titled "Hardware Installation" appears, press "Continue Anyway".



8. Then, click "Finish" to end installation.

Completing the Found New Hardware Wizard
The wizard has finished installing the software for:
USB ADSL LAN Adapter
Click Finish to close the wizard.
< Back Finish Cancel

**9.** The HDSL640 ADSL USB Modem driver is successfully installed and the Status Task Bar will appear in the System Tray.



**10.** The **HDSL640 ADSL USB Modem** icon is installed in the Control Panel.



11. Go to the Device Manager, the "USB ADSL LAN Adapter" is under the Network Adapters, and the "HDSL640 ADSL USB Modem" is under the Universal Serial Bus Controllers for USB ADSL LAN driver installation.

Go to the Device Manager, the "USB ADSL WAN Adapter" is under the Network Adapters, and the "HDSL640 ADSL USB Modem" is under the Universal Serial Bus Controllers for USB ADSL WAN driver installation.



# Chapter 3 Configuration

Follow the instructions below to configure your HDSL640 ADSL USB Modem.

1. Click the HDSL640 ADSL USB Modem icon in the Control Panel or ADSL Configuration icon on the desktop. The status of ADSL connection will be displayed.

		*	
	Attemptir	ng to Activate Line	
ADSL Connection	Information		
Bytes Received:	0	Bytes Transmitted:	0
Receive Rate:	0 kbits/s	Transmit Rate:	0 kbits/s
			Clear
Driver S/W Versio	n: 14.3.2.099.00	)4 (2401)	



2. Press [Alt]+[P] on keyboard, the following figure appears.

General All	Line Centar In Link, Staturice	1 44	Law Statistics	ATM DAM Lingback Physical Light Statistic
ADDL Lave ton	MTA JOON	-	Rate	
Receive Trained	::	H	810444 010444	VM + 8 VD + 35
Live Natur Attempting	to Activate Care			They AD D.
Call Statur Talle			ADTSL Head	Lister Undefined
Decembrie Healed P	e Hule svei ATH (LCS)	wit pha	127463	
			District	W Venier 18.11288.00

**3.** Select the **Protocol Setup** tag, please set the value of "VPI", "VCI" and "Encapsulation Mode". Then, click "OK".

Careworker   Live Setup	Poteod Sete	Physical Level States ATH GAM Log Back
ATH Wheel Dood Identification		
	Without Elecant II	Virtual Chinal T.
Vitual Path Identifier (1979)		1
Vitual Crist Identifier (VCR	35	43
Maximum PacketLeegh		a management
Nacese Transat	Peak Call Rate (PC	Ni Ure Rate 🔳

# 3.1 USB ADSL LAN Adapter Configuration

### 3.1.1 For Windows 98 / Me

- 1. Go to Start / Settings / Control Panel. In the Control Panel, double-click on Network and choose the Configuration tab.
- 2. Select TCP/IP USB ADSL LAN Adapter. Then, click Properties.

Network		
Configuration Identification Access Control		
I he following hetwork components are installed:		
VetBEUI -> Dial-Up Adapter		
■ TCP/IP > USB AUSL LAN Adapter TCP/IP > D Link DEE 520TX PCI East Ethomat Adapter (		
TCP/IP > Dial-Link DrE-0501X FCI Fast Ethemet Adapter		
Eile and printer sharing for Microsoft Networks		
Add Remove Properties		
Primary Network Logon:		
Client for Microsoft Networks		
Description TCP/IP is the protocol you use to connect to the Internet and wide-area networks.		
OK Cancel		

**3.** Select the **IP Address** tab. In this page, click the **Specify an IP address** radio button and enter the "IP address" and "Subnet Mask" provided by your ISP.

TCP/IP Properties		? ×	
Bindings	Advanced	NetBIOS	
DNS Configuration	Gateway WINS Confi	iguration IP Address	
An IP address can be automatically assigned to this computer. If your network does not automatically assign IP addresses, ask your network administrator for an address, and then type it in the space below.			
○ <u>0</u> btain an IP — ● Specify an IP	C Dotain an IP address automatically		
Specily ann			
IP Address:	142.100. 0	. 60	
S <u>u</u> bnet Masi	k: <b>255.255.0</b>	. 0	
	OK	Cancel	

4. Select the **Gateway** tab. Enter the "gateway" provided by your ISP and click Add.



TCP/IP Properties				?
Bindings	) Adv	anced	N	etBIOS
DNS Configuration	Gateway	WINS Confi	guration	IP Address
The first gateway in the Installed Gateway list will be the default. The address order in the list will be the order in which these machines are used.				
New gateway:           142.100.0.1				
Installed gateway	ys:	<u>H</u> emov	/8	
		OK		Cancel

5. In the DNS Configuration page, click the Enable DNS radio button. Enter the "Host" name and "DNS Server IP address" provided by your ISP. Then, press the Add button.

TCP/IP Properties			? ×
Bindings DNS Configuration	Advanced Gateway WINS	N Configuration	etBIOS
C Disable DNS		-	·
Host: Administra	tor D <u>o</u> ma	ain:	
DNS Server Sea	ch Order —	<u>A</u> dd	]
142.100.0.1		<u>R</u> emove	
Domain Suffix Se	arch Order —		
		A <u>d</u> d Remove	
			-
		ОК	Cancel

## 3.1.2 For Windows 2000 / XP

- 1. Go to Start / Settings / Control Panel. In the Control Panel, double-click on Network and Dial-up Connections.
- 2. Right–click on Local Area Connection that is using the USB ADSL LAN Adapter and then click "Properties".



3. Select Internet Protocol (TCP/IP). Then, click "Properties".

Local Area Connection Properties
General Sharing
Connect using:
USB ADSL LAN Adapter
Configure
Apple Lak Protocol
Network Monitor Driver
Install Uninstall Properties
Description
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
Show icon in taskbar when connected
OK Cancel

4. Select Use the following IP address, and then enter the "IP address", "Subnet mask", and "Default gateway" provided by your ISP.

Select Use the following DNS server addresses and then enter the provided DNS server IP address.



Internet Protocol (TCP/IP) Properti	es ?×	
General		
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.		
Obtain an IP address automatically		
Se the following IP address:		
IP address:	142.100.0.60	
Subnet mask:	255.255.0.0	
Default gateway:	142.100.0.1	
C Obtain DNS server address automatically		
Use the following DNS server addresses:		
Preferred DNS server:	142.100.0.1	
Alternate DNS server:	· · ·	
Advanced		
OK Cancel		

# 3.2 USB ADSL WAN Adapter Configuration

1. Click ADSL Access icon on the desktop. Then, the following window appears. Enter the "Username" and "Password" provided by your ISP. Let the Phone number field be blank.

34
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e Connect To		? X
AD	SLAccess	
<u>U</u> ser name:	guest	
Password:	******	
	Save password	
Phone <u>n</u> umber:		
Dialing from:	New Location	Dial Properties
	Connect	Cancel

2. Click Connect and get ready to surf the Internet!