ZyXEL

omni.net Plus/D

ISDN Terminal Adapter

Quick Start Guide

GUI Configuration Manager ● 3Way Conference ● Call Waiting
Call Forwarding ● Call Hold/Retrieve ● Multiple Subscriber Number
Advice of Charge ● Caller ID Support ● Quick Dial ● Intercom
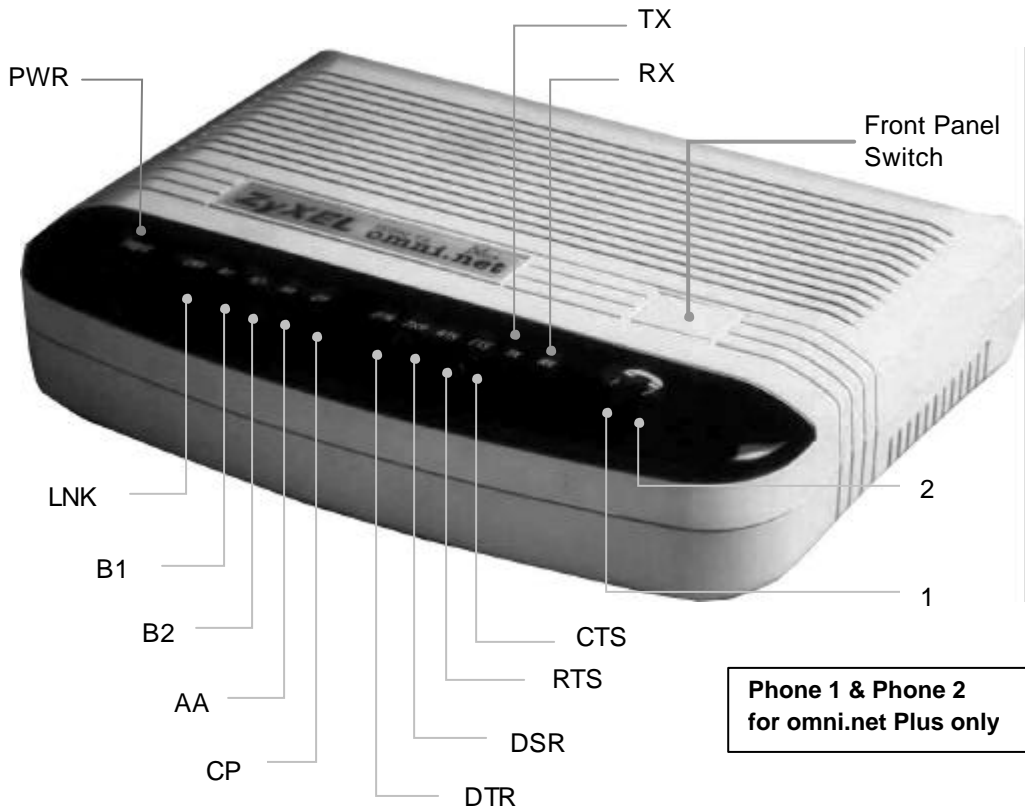
Table of Contents

1. Installation

Thank you for choosing ZyXEL ISDN Terminal Adapter (ISDN TA) as your device for connecting ISDN. This section is designed to guide you through a quick and correct installation of your new omni.net Plus or omni.net D.

The following graphics are only displayed for the omni.net Plus. However, since the front panel and back panel of omni.net Plus and omni.net D are almost identical, all installation steps below can be applied to both of the omni.net Plus and the omni.net D unless specifically noted.
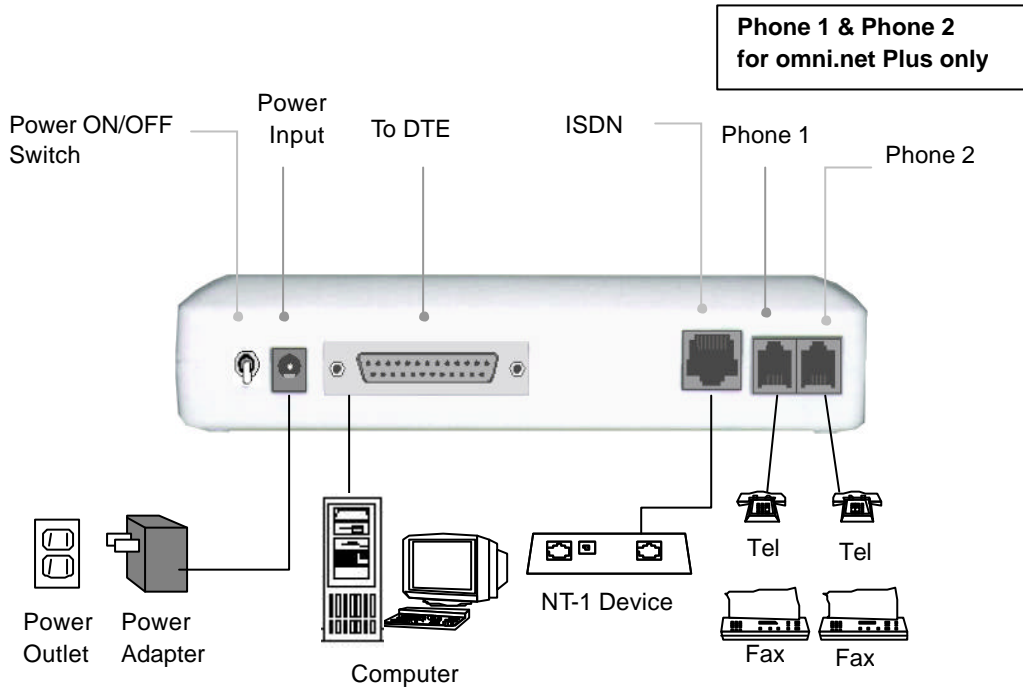
Front Panel Description

Phone 1 & Phone 2
for omni.net Plus only

Front Panel LEDs

LED	Function	Active	Description
PWR	Power LED	On	When the power is turned ON.
LNK	Link LED	On	When the link with the local ISDN switch is active.
		Blinking	When attempting to make a connection.
B1	B1 Channel	On	When the B1 channel is established.
B2	B2 Channel	On	When the B2 channel is established.
AA	Auto-Answer	On	When your ISDN TA is in Auto Answer mode.
		Blinking	When your TA rings.
CP	Compression	On	When Data Compression is being used over one or more of the B Channels. Compression types are Hi/fn LZS (formerly Stac) for PPP connections, and V.42bis for V.120 or X.75 connections.
DTR	Data Terminal Ready	On	When the DTE or computer connected to the DTE port signals that it is ready for communication by establishing the RS-232 link.
DSR	Data Set Ready	On	When the modem is ready for communication with the DTE.
RTS	Request To Send	On	When the DTE has data to be sent to the remote modem. The RTS signal is used in Hardware Handshaking.
CTS	Clear To Send	On	When the modem is ready to receive data from the remote modem. The CTS signal is used in Hardware Handshaking.
TX	Transmit Data	Blinking	When the DTE/Computer transmits data to the DTE port.
RX	Receive Data	On	When the DTE/Computer receives data from the DTE port.
Phone 1	**(for omni.net Plus only)**	On	When the POTS port 1 telephone/handset is off-hook.
Phone 2	**(for omni.net Plus only)**	On	When the POTS port 2 telephone/handset is off-hook.

Front Panel Switch

When the TA is in command state, pressing the front panel button causes it to dial the default phone number pre-stored in the NVRAM. The default number pointer to the telephone directory is assigned by the AT*D*n* command.

When the TA is on-line, pressing the button will tear down the connection and bring it into command state.

# Back Panel Description and Connections (S/T Interface)

Phone 1 & Phone 2
for omni.net Plus only

Power ON/OFF Switch — Power Input — To DTE — ISDN — Phone 1 — Phone 2

Power Outlet — Power Adapter — Computer — NT-1 Device — Tel — Tel — Fax — Fax

Back Panel Switch and Connectors

ON/OFF	Power ON/OFF switch
POWER	Input terminal for power adapter.
To DTE	Serial port DB-25 female connector for connection to the serial port of a DTE (computer/terminal).
ISDN	ISDN RJ-45 terminal jack; connects to a S/T interface or a U interface..
PHONE 1	RJ-11 terminal jack for analog adapter 1; for connecting to analog equipment. (phone, fax, answering machine, etc.)
PHONE 2	RJ-11 terminal jack for analog adapter 2; for connecting to analog equipment. (phone, fax, answering machine, etc.)

Connect Your omni.net Plus/D (U interface) to ISDN Line

Connect one end of the RJ-45 connectors to the "ISDN U" jack, and another end to your wall jack, as the following illustration:
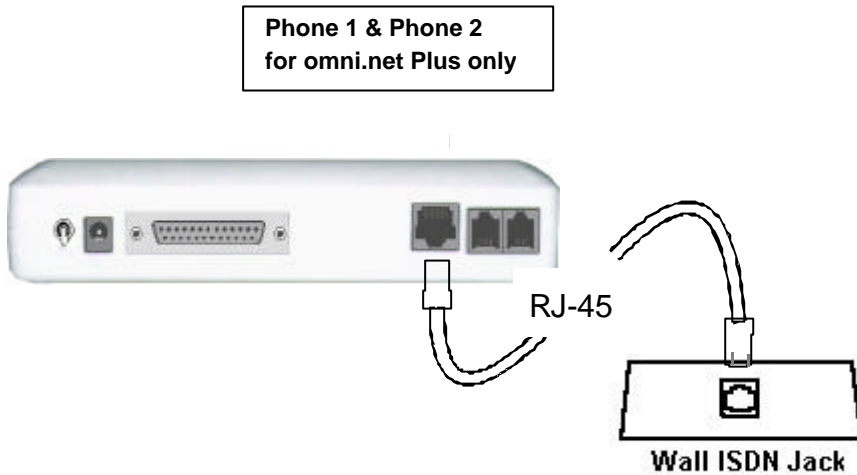
Power On and Self Diagnostics

Once you have completed all of the installation steps above, flip the omni On/Off switch to the ON (up) position.The unit starts a self-test sequence, where you should see a series of LED lights blinking (LED, B1, B2, AA). After this cycle is complete, the PWR light should stay on.

If the test routine fails, the LNK LED flashes. Refer to your *omni.net Plus/D Technical Reference* for more information on self-tests and error codes.

If you have a communication program loaded and active (connected to the same serial port as the omni), you should see the **DTR** LED should be ON after the self-test.

2. Install Windows 95/98/NT Driver (INF file)

As a windows 95/98/NT user, for successfully using ZyXEL ISDN TA, you have to install INF files to setup your TA first, then install your ZyXEL ISDN Configuration Manager.

Before Installation

Insert BONUS CD into your CD-ROM drive, it will come out a Setup display as below. Click on **Readme files**, it will show a complete installation and setup guide for you.
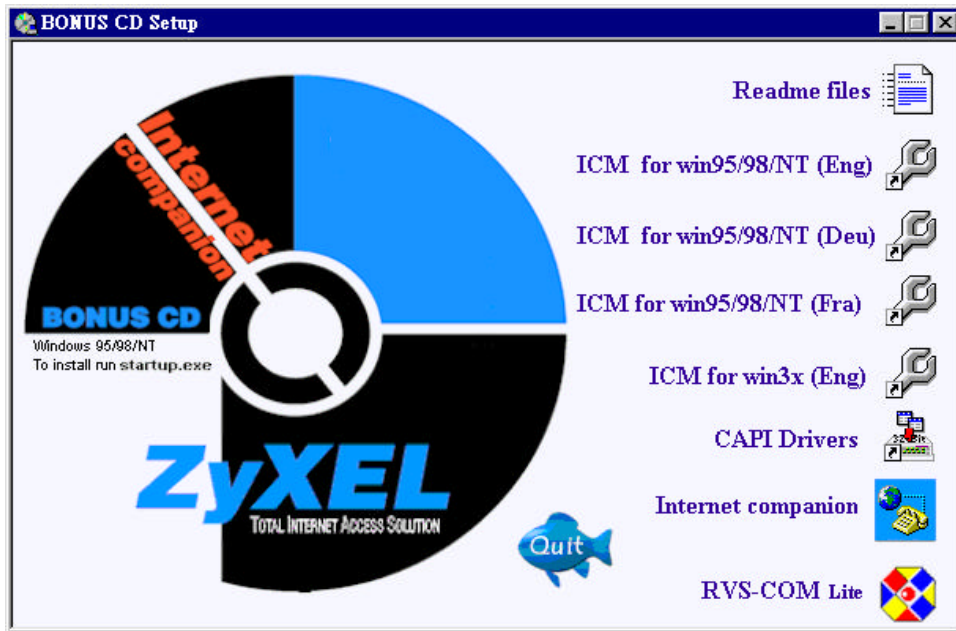
Note: The RVS-COM Lite(software) provided varies from country to country. For further information, please contact your local distributor.

Start Installing INF file

If your computer supports Plug & Play, be sure your TA is powered on before starting your computer. If you are using a non-PnP protocol, follow the steps below to perform the installation:

Step 1. Double-click on the Modems icon in the Windows 95/98/NT Control Panel folder. Then click the Add button.

Click once.   Click once.   Double-click.

Step 2. Select "Don't detect my modem; I will select form a list." Then, click Next to continue.
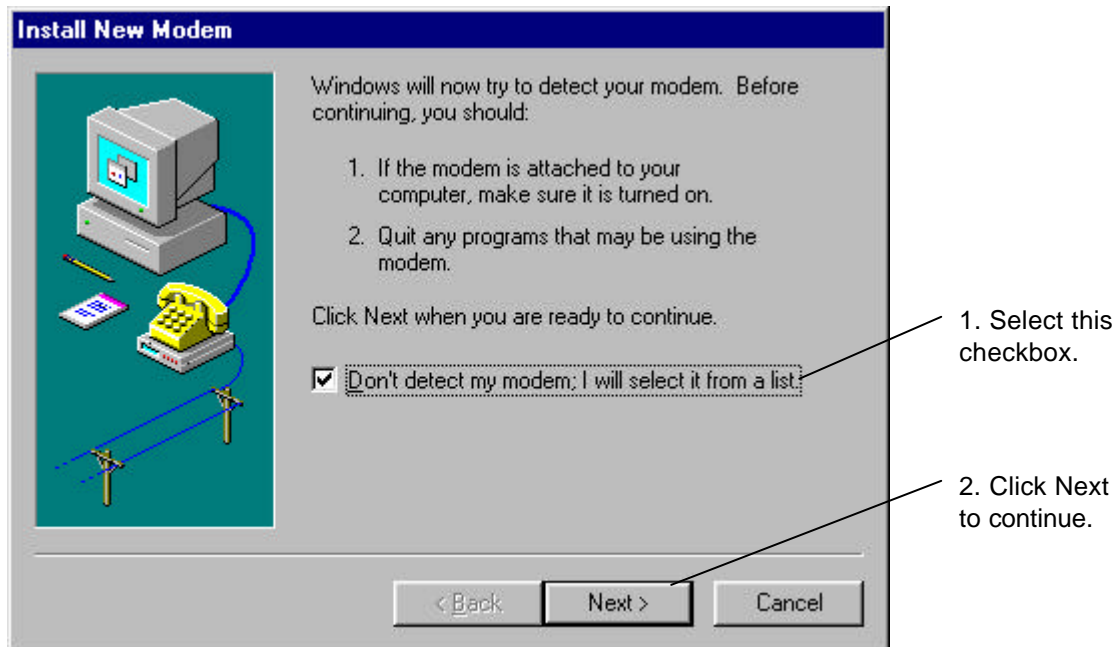
Step 3. Click Have Disk, then follow the instructions on the following illustrations:
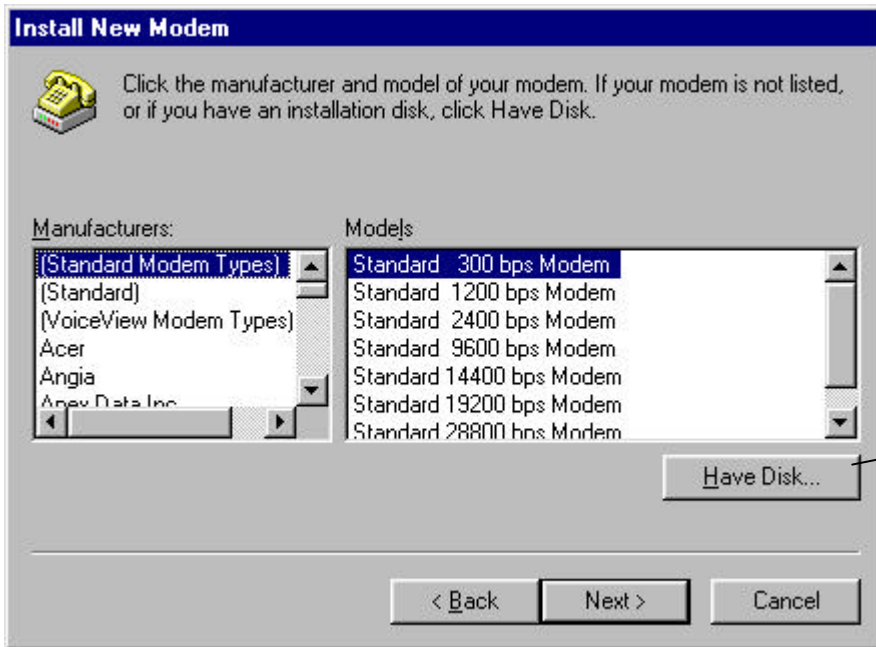
Click here to continue.

2. Make sure this BONUS CD is in your CD-ROM device.

3. Use Browse to find the location of the updated INF file.

Drives:
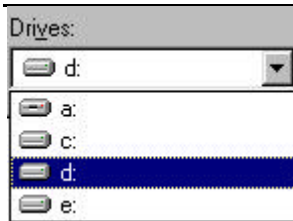
Drives:
🖫 d: ▼
🖫 a:
🖫 c:
🖫 d:
🖫 e:

4. Select your CD-ROM drive (here is D:),
then you will see the next display.

Open

File name:
Mdmzv9ei.inf

Mdmzv9ei.inf
Mdmzyxei.inf
Mdmzyxod.inf
mdmzyxol.inf
Mdmzyxom.inf
Mdmzyxon.inf
Mdmzyxop.inf
mdmzyxot.inf

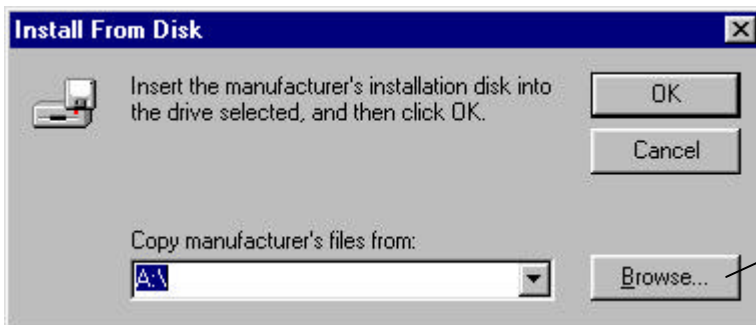Folders:
d:\inf

📁 d:\
📁 inf
📁 winnt3.51

OK
Cancel
Network...

Drives:
🖫 d:
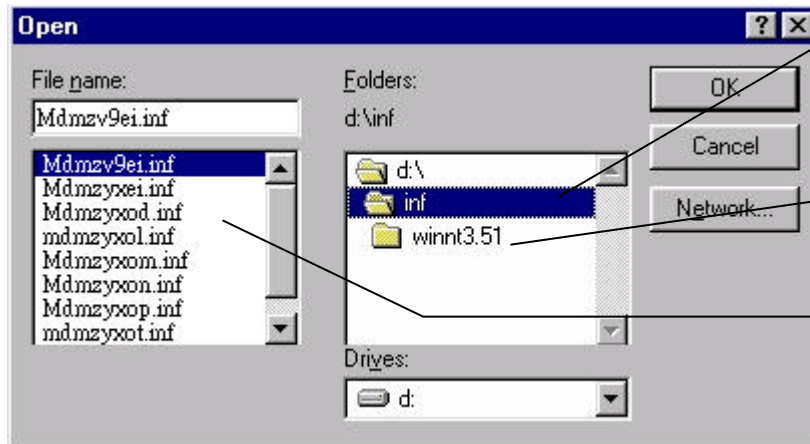
5. Select INF folder, it
will come out a list of
INF files in the left
column.

(For Windows NT3.51
user, please select
winnt3.51 folder.)

6. **Don't make any
selection here.** Click
OK to go to the next
screen.

Step 4. Click OK to install INF files from your BONUS CD.

Install From Disk

Insert the manufacturer's installation disk into
the drive selected, and then click OK.

OK
Cancel

Copy manufacturer's files from:
D:\INF\WINDOWS ▼ Browse...

Click OK to continue.

Step 5. Use the scroll bar to locate the model name of your ZyXEL ISDN TA, then click once on the new device 'ZyXEL omni.net PLUS" or "ZyXEL omni.net D."
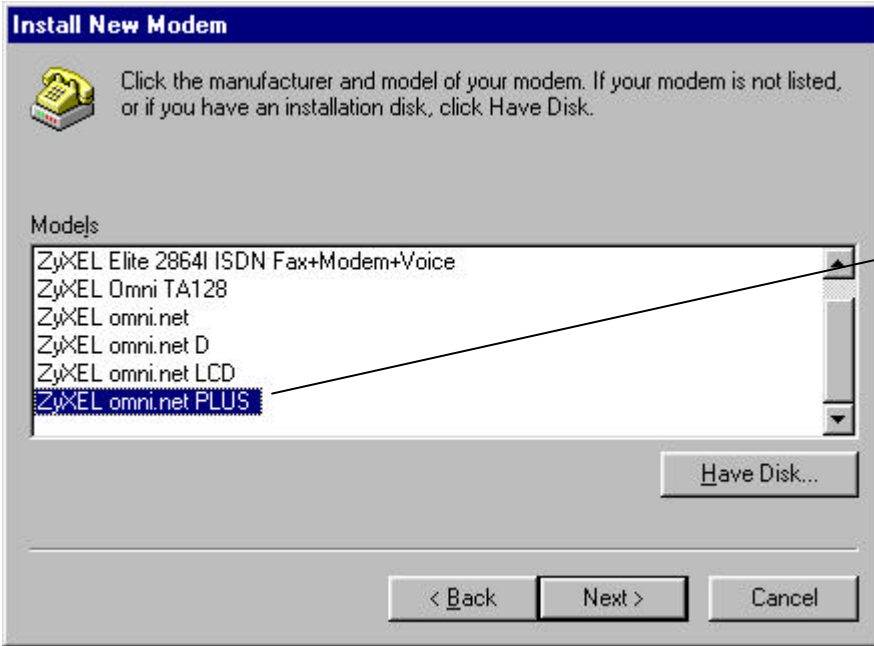
Click here for you new omni.net Plus.

For omni.net D, you have to select 'ZyXEL omni.net D.'

Step 6. Select the COM port your omni.net PLUS/D is connected.

```
Install New Modem

You have selected the following modem:
ZyXEL omni.net PLUS

Select the port to use with this modem:
Communications Port (COM1)
Communications Port (COM2)
ECP Printer Port (LPT1)

                < Back     Next >     Cancel
```
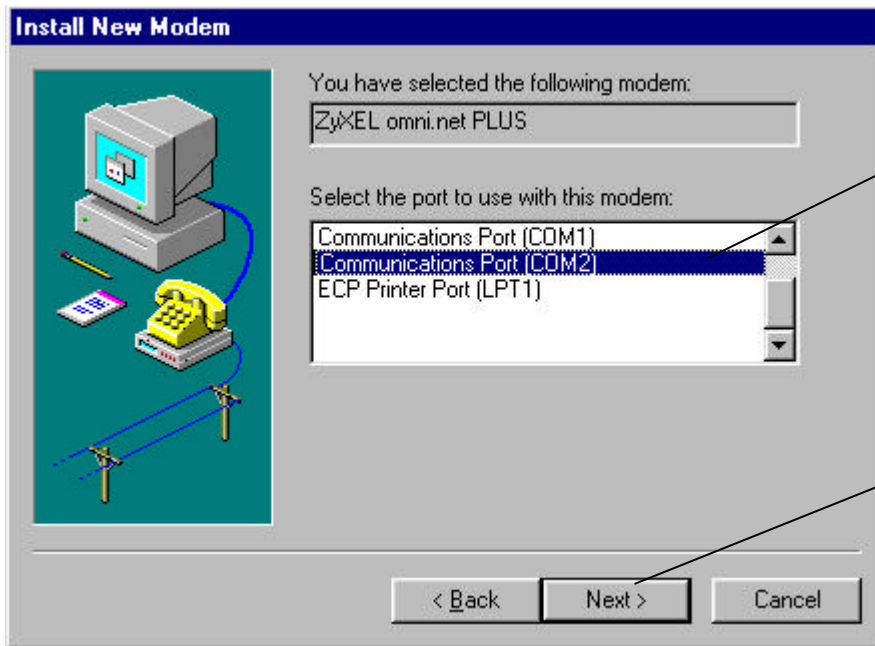
1. Click the right COM port (COM 1, 2, 3 or 4)

2. Click Next to continue

Step 7. Please wait…

Please wait…

Step 8. Click Finish to complete INF files installation.
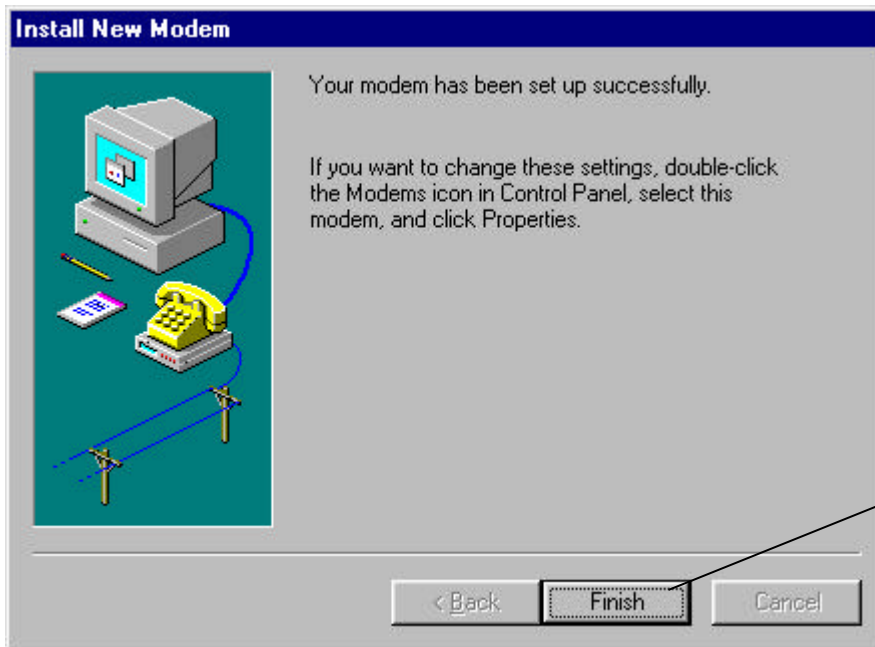
Click here to Finish.

Note: You also can download an updated INF file from ZyXEL's FTP, Web Site, or BBS. For more information on INF files included in BONUS CD, please refer to the readme files on BONUS CD.

Step 9. Click Close to end the INF files installation.

Modems Properties	? |X|

General | Diagnostics |

The following modems are set up on this computer:

ZyXEL omni.net PLUS

The ZyXEL omni.net Plus has successfully installed in your PC.

| Add... | Remove | Properties |

Dialing Preferences

Dialing from: Default Location

Use Dialing Properties to modify how your calls are dialed.

Dialing Properties

Click Close to end the INF files installation.

| Close | Cancel |

3. Install ZyXEL ISDN Configuration Manager for Windows 95/98/NT

Once the INF file is successfully installed, you can start installing ISDN Configuration Mangaer & CAPI (32-bit) into your PC. Follow the steps below to proceed your installation:

Step 1. Make sure the BONUS CD is in your CD-ROM drive, and the Setup display is active. (If not, double-click the startup.exe to active the Setup display.)

Step 2. For English Windows 95/98/NT, click on "Install ISDN Configuration Manager & CAPI (32-bit) for win95/98/NT(Englsih)" on your BONUS CD.

For Deutsch Windows 95/98/NT, please choose "Install ISDN Configuration Manager & CAPI for win95/98/NT(Deutsch)."

As setup starting, you can see the following display:
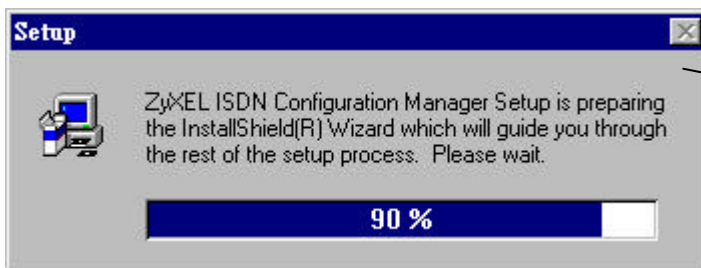
Please wait for the next setup screen.

2. Please wait for the next screen.

Step 3. Welcome information:

Welcome to the ZyXEL ISDN Configuration Manager Setup program. This program will install ZyXEL ISDN Configuration Manager on your computer.

It is strongly recommended that you exit all Windows programs before running this Setup program.

Click Cancel to quit Setup and then close any programs you have running. Click Next to continue with the Setup program.

WARNING: This program is protected by copyright law and international treaties.

Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.

Click Next to continue.

Next >   Cancel

Step 4. Information about ZyXEL ISDN Configuration Manager:

ZyXEL ISDN Configuration Manager (ZyICM) is a Graphical User Interface (GUI) program that runs on, Microsoft Windows 95, Microsoft Windows 98, and Microsoft Windows NT operating systems.

ZyICM helps you to setup your ZyXEL ISDN terminal adapter (TA) without using any text based terminal program and is compatible with the Elite 2864I, the OmniTA 128, omni.net, omni.net D, omni.net PLUS, omni.net LCD and omni.net LCD+M ISDN TAs manufactured by ZyXEL.

ZyICM will automatically detect the model in use, and display options appropriate to that model.

Click Next to continue.

< Back   Next >   Cancel

Step 5. Select install item:

a. North American users click here, then follow the instructions on your screen.

b.European users click here.

c. Click Next to continue.

Step 6. Choose Destination Location :

Choose Destination Location

Setup will install ZyXEL ISDN Configuration Manager in the following folder.

To install to this folder, click Next.

To install to a different folder, click Browse and select another folder.

You can choose not to install ZyXEL ISDN Configuration Manager by clicking Cancel to exit Setup.

Destination Folder

C:\ZyXEL\ZyConfig

Browse...

< Back   Next >   Cancel

Click Next to continue.

Step 7. Select Program folder where the ZyXEL ISDN Configuration Manager will been installed.:

Setup will add program icons to the Program Folder listed below. You may type a new folder name, or select one from the existing Folders list. Click Next to continue.

Program Folders:

ZyXEL ISDN Configuration Manager

Existing Folders:

Screen Saver Studio
Screen Saver Studio DEMO
Superscape
TwinBridge Japanese Partner 4.0
Ulead PhotoImpact 4.0
WinZip
WS_FTP
ZyXEL ISDN Configuration
ZyXEL ISDN Configuration Manager

This is a default folder name. You may type a new one or select one from the existing

Click Next to continue.

< Back   Next >   Cancel

Step 8. Start copying files to the following directory:

Start Copying Files

Setup has enough information to start copying the program files. If you want to review or change any settings, click Back. If you are satisfied with the settings, click Next to begin copying files.

Current Settings:

Install Contain

    ZyXEL ISDN Configuration Manager
       C:\ZyXEL\ZyConfig

< Back   Next >   Cancel
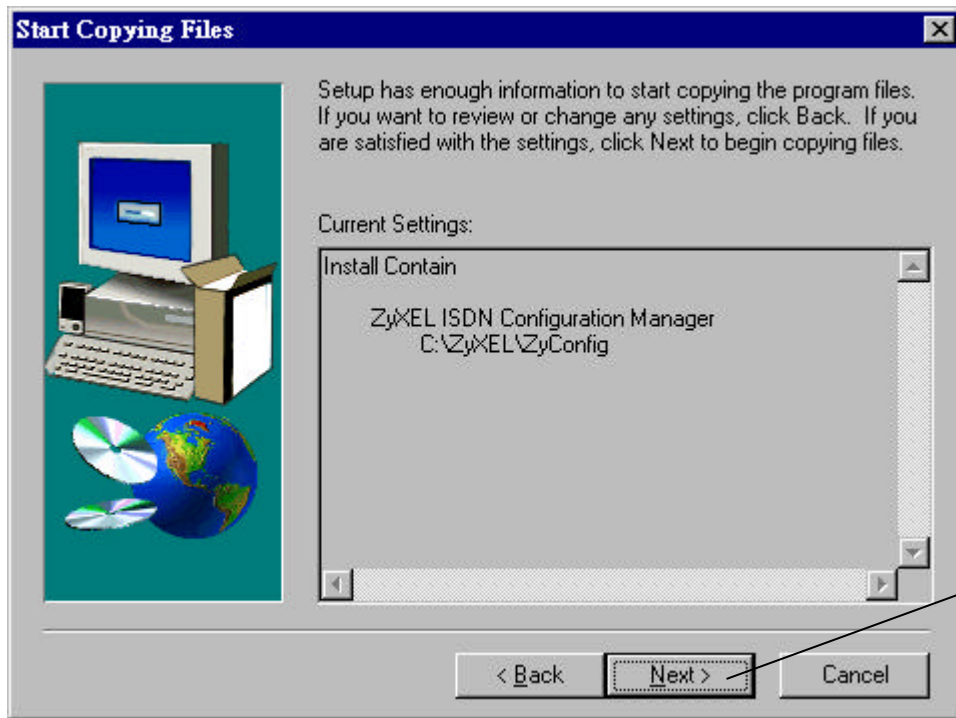
Click Next to continue.

Step 9. Click OK to finish the installation of ZyXEL ISDN Configuration Manager.

Click Ok to finish the installation.

Once the installation is completed, it will create the program group of ZyXEL ISDN Configuration Manager on your start menu. Now, you can start to use the ZyXEL ISDN Configuration Manager.

4. Setup ZyXEL ISDN Configuration Manager for Windows 3.x

Step 1. Make sure the BONUS CD is in your CD-ROM device.

Step 2. Use File Manager to view the file list of D: (replace D: with the drive letter of your CD-ROM drive)

Step 3. You will find the directory of ICM_win3x under D:\. Click on setup.exe to start running setup program.

Step 4. Follow the setup wizard to go through the installation.

Once the installation is completed, it will create the program group of ZyXEL ISDN Configuration Manager on your start menu. Now, you can start to use the ZyXEL ISDN Configuration Manager.

For more information on using your ZyXEL ISDN Configuratin Manager, 16-bit CAPI driver, and configuring ISDN parameters; please refer to "ISDN Configuration Manager & CAPI (16-bit) for win 95/98/NT (English) " on readme files of your BONUS CD.

Customer Support
ZyXEL ISDN Terminal Adapter

If you have any questions about your ZyXEL product or desire customer assistance, contact ZyXEL in one of the following ways.

Contact ZyXEL

E-mail	Technical Support	Support@zyxel.com in North America
		Support@zyxel .com.tw oustide of the US.
E-mail	Sales	Sales@zyxel.com in North America
		Sales@zyxel.com.tw oustide of the US.
Web Site	Product Information	www.zyxel.com ZyXEL's Internet site.
Phone	North America	(714)- 632-0882 (8:00 to 5:00 PM PST)
	Outside North America	+886-3-5782439 Ext.:266 (8:00 to 5:00 PM local)
Fax	North America	(714) 632-0858
	Oustide North America	+886-3-5782439
FTP File Downloads	North America	ftp.zyxel.com (Software and ROM upgrades)
	Europe	ftp.zyxel.co.at (Software and ROM upgrades)

Postal Service

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