



# *VisionNet*

## *202ER-4 ADSL Ethernet Router User's Manual*

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## FCC Compliance Statements

NOTE : This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures :

Reorient or relocate the receiving antenna

Increase the separation 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.

Warning : Modifications not expressly approved by the manufacturer could void the user's authority to operated the equipment under FCC rules.



# 1 Introduction

Congratulations on becoming the owner of the VisionNet 202ER-4 ADSL Ethernet bridge/router. Your LAN (local area network) will now be able to access the Internet using your high-speed ADSL connection.

This User Guide will show you how to install and set up the VisionNet 202ER-4 ADSL Bridge/Router, and how to customize its configuration to get the most out of your new product.

## Features

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- ▶ Internal ADSL modem for high-speed Internet access
- ▶ 10/100Base-T Ethernet router to provide Internet connectivity to all computers on your LAN
- ▶ USB port for connecting a USB-enabled PC
- ▶ Network address translation (NAT), Firewall, and IP filtering functions to provide security for your LAN
- ▶ Network configuration through DHCP Server and DHCP Relay
- ▶ Services including IP route and DNS configuration, RIP, and IP and DSL performance monitoring
- ▶ Configuration program you access via an HTML browser

## System Requirements

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In order to use the VisionNet 202ER-4 ADSL/Ethernet router, you must have the following:

- ▶ ADSL service up and running on your telephone line, with at least one public Internet address for your LAN
- ▶ One or more computers each containing an Ethernet 10Base-T/100Base-T network interface card (NIC)
- ▶ An Ethernet hub/switch, if you are connecting the device to more than one computer on an Ethernet network.
- ▶ For system configuration using the supplied web-based program: a web browser such as Internet Explorer v5.0 or later, or Netscape v4.7 or later

## Using this Document

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### Notational conventions

- ▶ Acronyms are defined the first time they appear in text and in the glossary (Appendix 0).
- ▶ For brevity, the VisionNet 202ER-4 is referred to as “the router.”
- ▶ The terms *LAN* and *network* are used interchangeably to refer to a group of Ethernet-connected computers at one site.

### Typographical conventions

- ▶ *Italics* are used to identify terms that are defined in the glossary (Appendix 0).
- ▶ **Bolded** text is used for items you select from menus and drop-down lists, and to identify field labels you view on-screen.

### Special messages

This document uses the following icons to call your attention to specific instructions or explanations.



**Note**

*Provides clarifying or non-essential information on the current topic.*



**Definition**

*Explains terms or acronyms that may be unfamiliar to many readers. These terms are also included in the Glossary.*



**WARNING**

*Provides messages of high importance, including messages relating to personal safety or system integrity.*

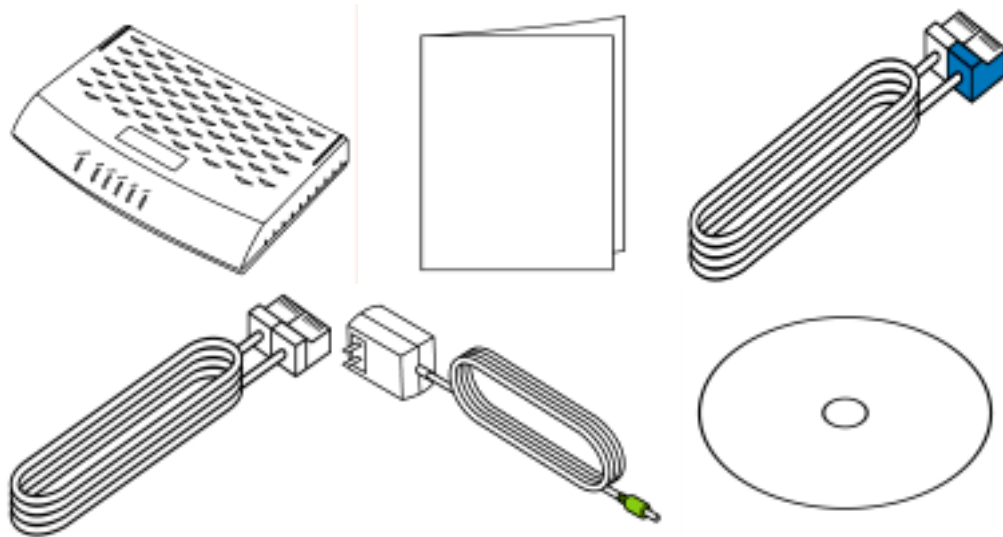
## 2 Getting to Know the VisionNet 202ER-4

### Parts Check

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In addition to this document, your VisionNet 202ER-4 should arrive with the following (in picture, clockwise from upper left):

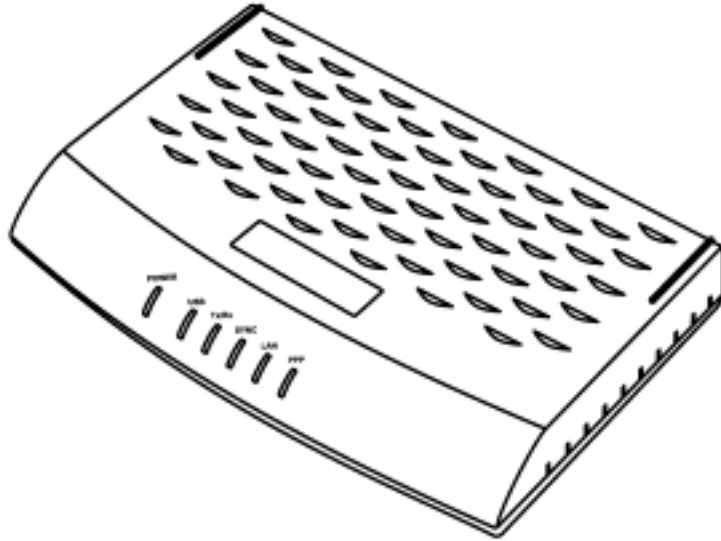
- ▶ VisionNet 202ER-4 ADSL Ethernet Router
- ▶ Power adapter and power cord
- ▶ CD with Manual
- ▶ Quick Start Guide
- ▶ Ethernet cable ("straight-through" type)
- ▶ Standard phone/DSL line cable



*Figure 1. VisionNet 202ER-4 ADSL/Ethernet Router Package Contents*

## Front Panel

The front panel contains lights called LEDs that indicate the status of the unit.



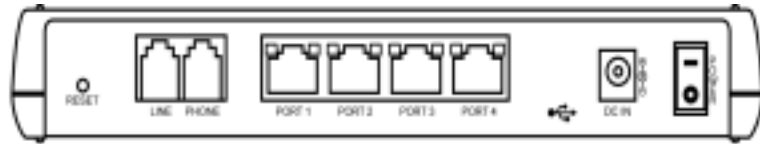
**Figure 2. Front Panel and LEDs**

Label	When On
PPP	It's On when VisionNet 202ER-4 is connected to PPP which is working.
LAN	On: LAN link established and active. Off: No LAN link
SYNC	On: ADSL link established and active Blinking: DSL signal found Off: No ADSL link
Tx/Rx	Flashes when ADSL data activity occurs. May appear solid when data traffic is heavy.
ACT	On: Device passed self test Blinking: Device failed self test
POWER	On: Unit is powered on Off: Unit is powered off

## Rear Panel

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The rear panel contains the ports for the unit's data and power connections.



**Figure 3. Rear Panel Connections**

Label	Function
POWER	Switches the unit on and off
DC INPUT	Connects to the supplied power converter cable
Ethernet (Port 1 ~ Port 4)	Connects the device to your PC's Ethernet port, or to the uplink port on your LAN's hub, using the cable provided
PHONE	Provides an optional connection to your telephone
LINE	Connects the device to a telephone jack for DSL communication
RESET	Resets the device to the manufacturer's default configuration





## 3 Quick Start

This Quick Start provides basic instructions for connecting the VisionNet 202ER-4 to a computer or LAN and to the Internet.

- ▶ Part 1 describes setting up the hardware.
- ▶ Part 2 describes how to configure Internet properties on your computer(s) and how to install the software for using a computer attached to the USB port.
- ▶ Part 3 shows you how to configure basic settings on the VisionNet 202ER-4 to get your LAN connected to the Internet.

This Quick Start assumes that you have already established ADSL service with your Internet service provider (ISP). These instructions provide a basic configuration that should be compatible with your home or small office network setup. Refer to the subsequent chapters for additional configuration instructions.

### Part 1 — Connecting the Hardware

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In Part 1, you connect the device to the phone jack, the power outlet, and your computer or network.



***Before you begin, turn the power off for all devices. These include your computer(s), your LAN hub/switch (if applicable), and the VisionNet 202ER-4.***

Figure 4 illustrates the hardware connections. The layout of the ports on your device may vary from the layout shown. Refer to the steps that follow for specific instructions.

