iPAQ Networking 10Mbps Phoneline Networking USB Adapter
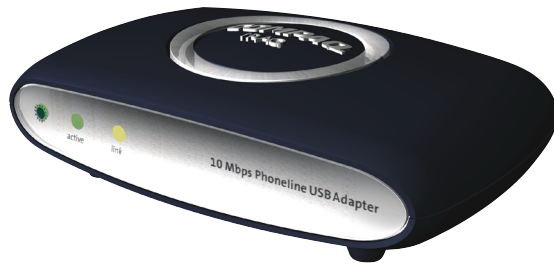
Installation and Setup Guide

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Introduction

Welcome to iPAQ Networking! Thank you for purchasing the iPAQ Networking 10Mbps Phoneline Networking USB Adapter. The Compaq family of iPAQ Networking products will help you simplify your life and connect your world.With iPAQ Networking, you can connect all of your PCs for simultaneous access to files, printers, peripheral devices, and the Internet.
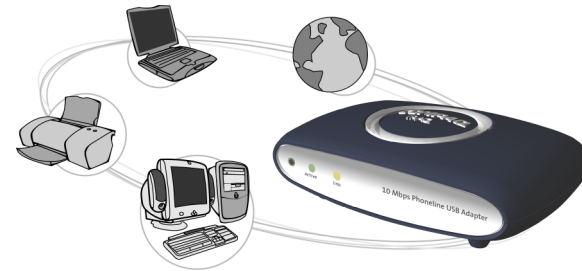
This guide is designed to help you:

> Get acquainted with the features of your new Phoneline Networking USB Adapter

> Install the product correctly

> Locate technical specifications, customer service information, and troubleshooting

> Learn how to use your network

Features and Benefits

The iPAQ Networking 10Mbps Phoneline Networking USB Adapter lets you connect your PC to a home network using the phone lines installed in your walls, instead of more traditional networking cables. Key product features and benefits are listed below.

Features	Benefits
High Performance	Get data transfer speeds up to 10Mbps with your existing phone line, without interfering with your phone service.
Easy to Set Up and Use	iPAQ Networking solutions come with easy-to-follow instructions and intelligent software that guides you through the installation process. You can easily set up your network to share Internet access, share files and printers, or play the latest multi-player PC games.
No Extra Equipment to Buy	You don't need any extra cables or hubs. You can connect your computer to the network using your existing phone lines and without having to open your PC case!
No Power Cords	Your Phoneline Networking USB Adapter doesn't require an external power supply because it draws power directly from the USB port on your computer.
Advanced Bridging Technology	Even if you have a combination of Ethernet, wireless, or phone line products in your networking environment, the iPAQ Networking software has the power to bring them together, or create a bridge, so they operate as one integrated network.

Features	Benefits
Share Internet Access	iPAQ Networking allows you to share a single Internet account and let more than one computer use it at the same time! Simultaneous Web surfing works with cable and DSL high-speed Internet access as well as with standard dial-up.
Printer and Device Sharing	Share devices connected to one computer with other computers on the network, such as printers, scanners, Zip drives, and CD-ROMs.
File Sharing	Move or copy files between all of your networked PCs quickly and easily.
Multi-Player Gaming	Play real-time multi-player games with anyone on the network. When you make a move or score points, the other player sees the action on his connected PC live!
Digital Music and Picture Sharing	Easily play digital music and view pictures anywhere on your network.

What's in the Box?

> **iPAQ Networking 10Mbps Phoneline Networking USB Adapter**. This is the device that links your PC to the network.

> **One (1) USB cable.** This is the cable that connects the adapter to your PC.

> **One (1) standard telephone cable.** This is the cable that connects the adapter to the phone jack in your wall.

> **Quick Setup Guide.** Easy-to-follow images and step-by-step instructions help you quickly install the product.

> **iPAQ Networking CD**. This CD contains Internet sharing and networking software, user and troubleshooting guides, and hardware drivers.

> **Warranty card.** This card explains the iPAQ Networking standard warranty.

What Else Do I Need?

To use the iPAQ Networking 10Mbps Phoneline Networking USB Adapter, you need a PC with the following components:

> Intel® Pentium processor or higher

> Minimum 24MB RAM

> Microsoft® Windows® 98, 98SE, ME, or 2000

> One available USB port to connect the adapter

Note: This Phoneline Networking USB Adapter provides the hardware you need to install networking capabilities on a single PC. You will also need to install a Phoneline Networking USB Adapter on each PC to be networked using the phone line system.

What's in Front?

Before beginning installation, examine the front panel of your Phoneline Networking USB Adapter.
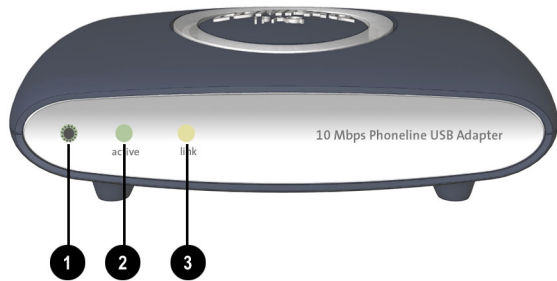
No.	Description
❶	The *Power LED* lights up green when the adapter is connected to a power source.
❷	The *Active LED* lights up green when the adapter is successfully transferring information.
❸	The *Link LED* lights up yellow when the adapter is connected to a phone line network.

What's in Back?

Before installing the product, examine the back panel of your Phoneline Networking USB Adapter.
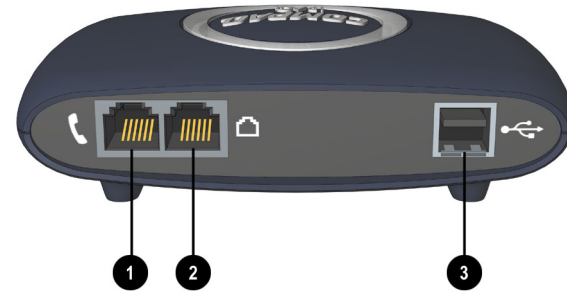
No.	Description
❶	This port allows you to use a phone with the same phone jack you are using for networking. Networking will not interfere with phone service.
❷	This phone port connects your PC to a phone jack using a regular phone cable.
❸	This USB port (Type B port) connects the adapter externally to your PC, using the USB cable provided with the adapter.

USB Cable

The iPAQ Networking 10Mbps Phoneline Networking USB Adapter comes with one USB cable. The cable has two connector ends: one rectangular (Type A ❶) and the other square (Type B ❷). These connectors are explained in more detail in the following section.
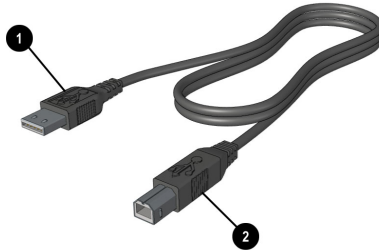
Installing the Phoneline USB Adapter

Overview

Installing the product involves several steps:

> **Install drivers**

> **Install Phoneline USB Adapter**

> **Connect Phoneline USB Adapter to the network**

> **Install iPAQ Networking software**

The following pages contain step-by-step procedures for each item on this checklist.

Installing the Drivers

1. Insert the **iPAQ Networking CD** into the CD-ROM. The iPAQ Networking menu should display automatically.

Note: If the menu does not appear, select the **Start** button and choose **Run**. Type in "**D:\setup.exe**" where "D:\" is the location of your CD ROM drive.Then click **OK** to start the iPAQ Networking menu.

2. Click **Install Drivers** ❶ to start the driver installation software.

   The opening panel of the Network Driver Installation Utility is displayed.

   ❷ ─────

   Networking Driver Installation Utility

   Welcome to the Networking Driver Installation

   This software will install the drivers necessary to support your network hardware.

   Please select Install Drivers to begin the driver installation process

   [Install Drivers] [Cancel]

3. Click **Install Drivers** in this panel to start installing the drivers. ❷
   A progress indicator is displayed while the files are being installed.

   Installing drivers...

   Installing Drivers, please wait...

4. When installation is complete, the Driver Installation Complete window is displayed. Click **OK** ❸ to complete the installation.

   Driver Installation Complete

   The necessary networking hardware drivers have been installed on your computer.

   Please perform the following steps to continue with the installation process.

   1. Refer to quick start guide to complete networking hardware installation

   2. Install Networking Software from iPAQ Networking CD.

   ❸ ───── [OK]
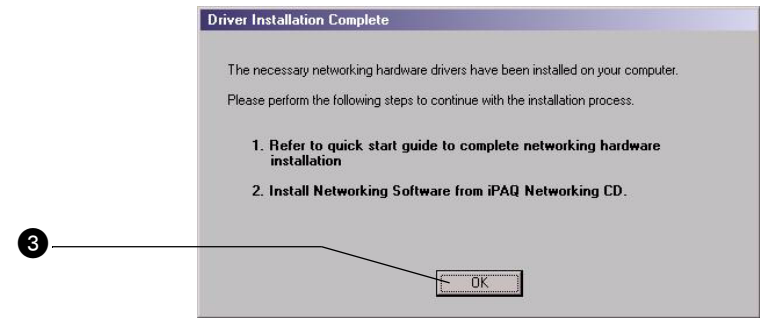
Complete the hardware installation before proceeding with software installation.

Installing the Phoneline USB Adapter

To connect the product, gather the USB cable and Phoneline Networking USB Adapter and follow these steps.
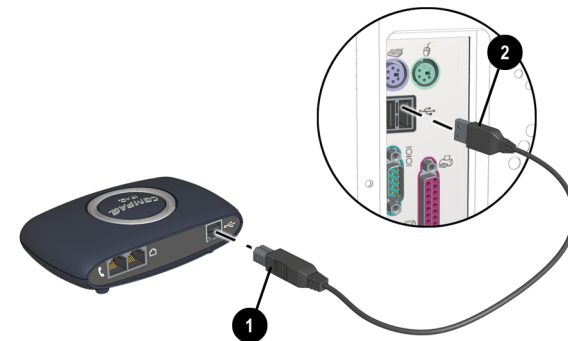
1. Insert the square Type B connector ❶ on the USB cable into the Type B port on the Phoneline Networking USB Adapter.

2. Insert the rectangular Type A connector on the USB cable into the USB port on your PC. ❷

3. The Phoneline Networking USB Adapter is now connected to your PC. It will automatically be detected at the time of connection or when you turn the PC on.

Connecting the Product to a Phone Line Network

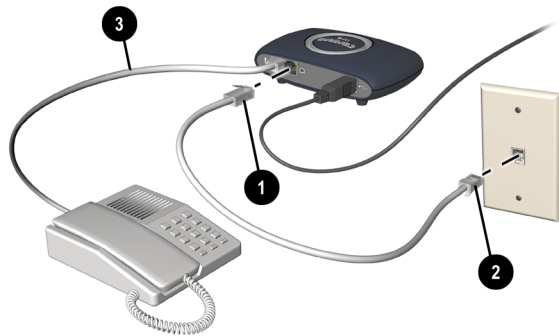Finish by connecting your Phoneline Networking USB Adapter to the phone line network, following these steps:

1. Insert one end of the telephone cord into the Phoneline Networking USB Adapter's network port. ❶

2. Insert the other end of the cord into a phone jack. ❷ Your computer is now connected to the network.

3. To continue using a telephone with this phone jack, plug the telephone into the Phoneline Networking USB Adapter. ❸

   Caution: To reduce the risk of fire, use only No. 26 AWG or larger telecommunication line cord.

Installing the Software

When you are finished installing the drivers and hardware, you are now ready to install the iPAQ Networking software. Please refer to the **Software Documentation** on this CD.

Technical Specifications

Model	HNP-200
Port	Two (2) RJ-11 standard telephone ports One (1) USB Type-B (female) port
Standards	HPNA v 1.1 and v 2.0, USB 1.1
Cable	Standard telephone cable Standard shielded USB cable
Driver Support	Microsoft® Windows® 98, 98SE, Millennium, 2000
Protocol	CSMA/CD
Speed	10Mbps or 1Mbps
Cabling	Standard Copper Telephone Cable with RJ-11 tips
Topology	Daisy Chain
Bus Speed	12Mbps (Buffered) Universal Serial Bus
LEDs	Power green Link yellow Active green
Dimensions	4.9" x 3.2" x 1.5" (125 mm x 82 mm x 40 mm)
Unit Weight	3.8 oz. (110 g)
Power	5V, Bus Powered from PC
Certifications	FCC Part 15B. FCC Part 68, CE, UL (CUL), CSA, CS03
Operating Temperature	32ºF to 122ºF (0ºC to 49ºC)
Storage Temperature	-4ºF to 158ºF (-20ºC to 70ºC)
Operating Humidity	10% to 85%, non-condensing
Storage Humidity	5% to 90%, non-condensing

For More Information

All the information you need to get your network up and running is on this CD. To learn more about Compaq's other networking products, or if you need additional information regarding components or technology, the Compaq website at **compaq.com/athome** features a variety of resources. Here's where you can find other sources of information:

Registration

You can register your new product online at the Compaq website **compaq.com/register**.

Troubleshooting

If you have problems with your Phoneline USB Adapter, check the **Troubleshooting Guide** on this CD for quick resolution to the most common situations.

Glossary

A **Glossary** on this CD provides a brief list of commonly used technical terms and their definitions.

Technical Support

If you have a networking problem not addressed in the **Troubleshooting Guide** on this CD, Compaq offers technical support online at **compaq.com/consumersupport.** You can also call 888-302-7358.

Regulatory Compliance

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 or television technician for help.

Modifications

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by Compaq Computer Corporation may void the user's authority to operate the equipment.

Declaration of Conformity
for products marked with the FCC logo - United States only

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

For questions regarding your product, contact:
Compaq Computer Corporation
P. O. Box 692000, Mail Stop 530113
Houston, Texas 77269-2000
Or, call 1-800-652-6672 (1-800-OK COMPAQ)

For questions regarding this FCC declaration, contact:
Compaq Computer Corporation
P. O. Box 692000, Mail Stop 510101
Houston, Texas 77269-2000
Or, call (281) 514-3333

To identify this product, refer to the part, series, or model number found on the product.