

**10Mbps
HomePNA2.0
USB Adapter**



PUA-2100

User's Guide

FC STATEMENT

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.

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 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

This equipment complies with 47 CFR **Part 68** Rules.

On the bottom of this equipment is label that contains, among other information, the ACTA registration Number and Ringer equipment Number (REN) for the equipment. If requested, this information must be given to the Telephone Company.

The REN is useful to determine the quantity of devices you may connect to your telephone line and still have those entire devices ring when your telephone number is called. In most, but not all areas, the sum of the REN's of all devices connected to one line should not exceed five (5.0). To be certain of the number of devices you're local telephone company to determine the maximum REN for you're calling area. If your telephone equipment cause harm to the telephone network, the Telephone Company may discontinue your service temporarily. If possible, they will notify you in advance. But in advance notice isn't practical; you will be informed of your right to file a complaint with the ACTA.

Your telephone company may changes in its facilities, equipment, operations or procedures that could affect the proper functioning of your equipment. If they do, you will be notified in advance to given you and opportunity to maintain uninterrupted telephone service. If you experience trouble with this telephone equipment, please contact the following address and phone number for information on obtaining service or repairs. The telephone company may ask that you disconnect this equipment from the network until the problem has been corrected or until you are sure that the equipment is not malfunctioning. This equipment may not be used on coin service provide by the telephone company. Connection to party lines is subject to state tariffs

CAUTION: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

INTRODUCTION

The HomePNA2.0 USB Adapter, PUA-2100, enables you to connect any USB-ported Microsoft Windows operated PCs at home with the existing telephone lines.

No additional network wiring is necessary. To connect with your home network, you may just simply plug your PCs into the phone jacks via your PUA-2100. Using telephone lines as the network backbone, completely no new wiring.

No external power supply is necessary. The PUA-2100 is powered by the USB-bus of the host PC.

With PUA-2100, you can easily and quickly connect your PCs with your home network from any room with phone jack in the wall.

The high-speed of 10Mbps will enable all of your family to share the broadband service at the same time in spite that whoever is indulgent in the Internet access, streaming video, multi-player games playing, or phone talking. No body will be interrupted.

FEATURES

- ✧ 10Mbps HomePNA Port as Home Network Backbone by Using Existing Phone Lines.
- ✧ Maximal Distance up to 1000 Feet on HomePNA Port
- ✧ PC USB Bus Powered
- ✧ Plug and Play
- ✧ HomePNA2.0 Specification Compliant
- ✧ USB1.1 Specification Compliant

SPECIFICATIONS

- ✧ Network Standards
 - HomePNA V2.0 10Mbps Specification
 - USB Spec1.1 12Mbps Specification
- ✧ Supported Operating Systems
 - Microsoft Windows 98, 98SE, ME
 - Microsoft Windows 2000
 - Microsoft Windows XP
- ✧ Connectors
 - One USB-B port
 - Two RJ-11 port, One for HomePNA, the Other One for Phone-Line Bypass
- ✧ Transmission Speed
 - Up to 10Mbps
- ✧ Transmission Distance
 - Up to 1000 Feet
- ✧ Indicators
 - “**Power**”, the LED will Light up When USB Bus Powered
 - “**Tx**”, the LED will Flash When PUA-2100 Is Transmitting Data
 - “**Rx**”, the LED will Flash When PUA-2100 Is Receiving Data
 - “**Link**”, the LED will Illuminate When the Connection Is Successfully Running
- ✧ EMI/EMC
 - Comply with FCC Part 15
 - Comply with CE CISPR 22
 - Comply with VCCI

- ✧ PTT Approval
 - Comply with FCC Part 68
 - Comply with JATE
- ✧ Safety
 - Comply with IEC-950
 - Comply with K.21
- ✧ Power Consumption
 - 5VDC USB Bus Powered
 - Consumption < 2.5 Watts
- ✧ Environmental Conditions
 - Operating Temperature : 0°C ~ 40°C (32°F ~ 104°F)
 - Storage Temperature : -10°C ~ 65°C (14°F ~ 149°F)
 - Operating Humidity : 10% ~ 95%, Non-condensing
- ✧ Physical Dimension
 - 96mm (W) x 63mm (D) x 27mm (H)
- ✧ Unit Weight
 - 70g

PACKAGE CONTENTS

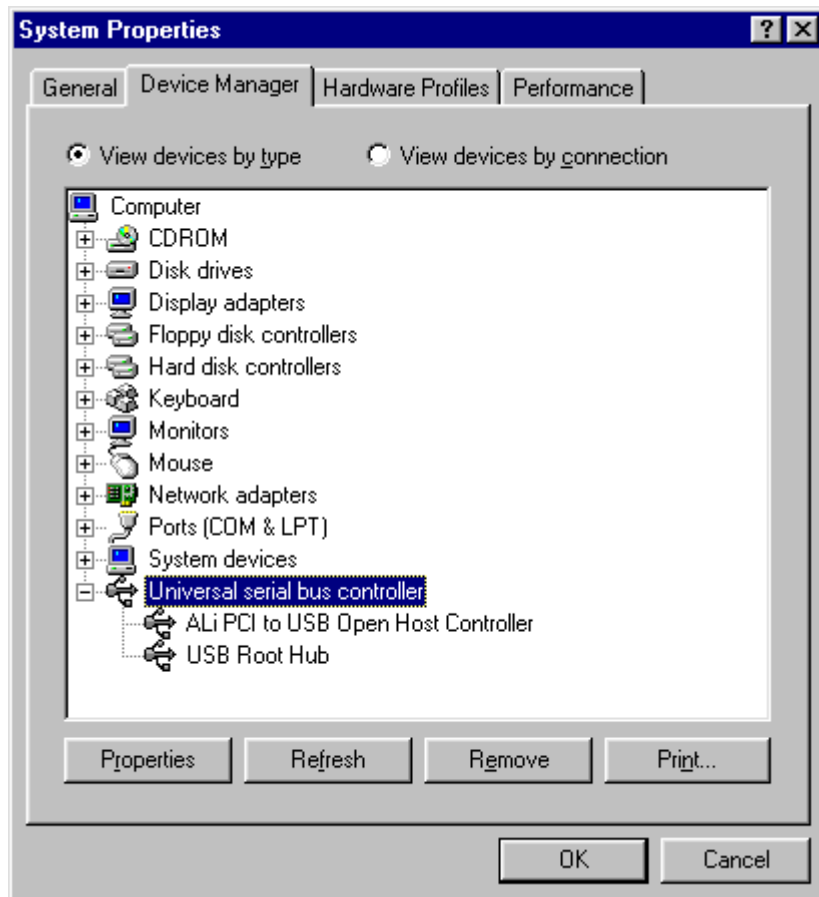
1. One USB Adapter PUA-2100
2. One RJ-11/RJ-11 Connecting Line
3. One USB A-B Cable
4. Driver in Disk or Electronic File
5. User's Guide in Electronic PDF File

INSTALLATION

1. Open the carton and make sure yourself the stuffs inside are as same as the **PACKAGE CONTENTS** listed above. Please contact your dealer for replacing in case any item is missing or damaged.
2. Before installation, make sure an enabled USB port exists in your computer.

Checking USB Port...

- 1).Go to “**My Computer**”⇒”**Control Panel**”, open “**System**” window.
- 2).Click “**Device Manager**” to check if the Universal Serial Bus Controller Device is found, otherwise either there’s no USB Port installed or the USB BIOS is not properly enabled.
- 3).In such case, contact your computer dealer for support.



3. Start to connect cables as you make sure the USB port is available.

Wiring USB Cable...

- 1). Take out the USB A-B cable. Connect A Type end of this cable to the USB port of your computer.
- 2). Connect the other end, the B Type end, of this cable to the "USB-B" port on the rear panel of PUA-2100.

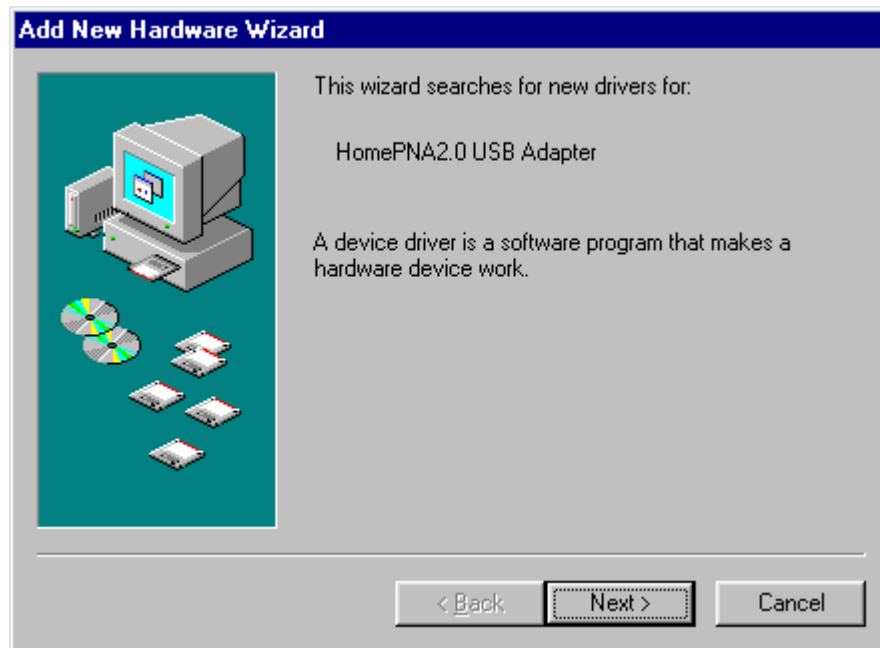
Connecting RJ-11/RJ-11 Line...

- 1). Take out the RJ-11/RJ-11 connecting line. Connect one end to the "Line" port on the rear panel of PUA-2100.
- 2). Plug the other end of this line into the telephone jack in the wall.
- 3). Telephone set may be connected to the "Phone" port.

4. You are ready to install the driver after cables are well connected.

Driver Installation...

- 1). The driver supports Microsoft Windows 98, Microsoft Windows 98SE(Second Edition), Microsoft Windows ME, Microsoft Windows 2000, and Microsoft Windows XP. The installation procedure is similar in different operation systems.
- 2). Windows operation system will automatically detect new device connected to the system while the computer turned on. “**Add New Hardware Wizard**” will pop-up to guide you the installation procedures. Click “**Next >**”.



- 3). Insert the driver disk to floppy disk driver of your computer. Reply the question with default recommend, “**Search for the best driver for your device.**” Click “**Next >**”.



4). Please follow the instructions in subsequent dialogue windows to go through the whole installation procedure.



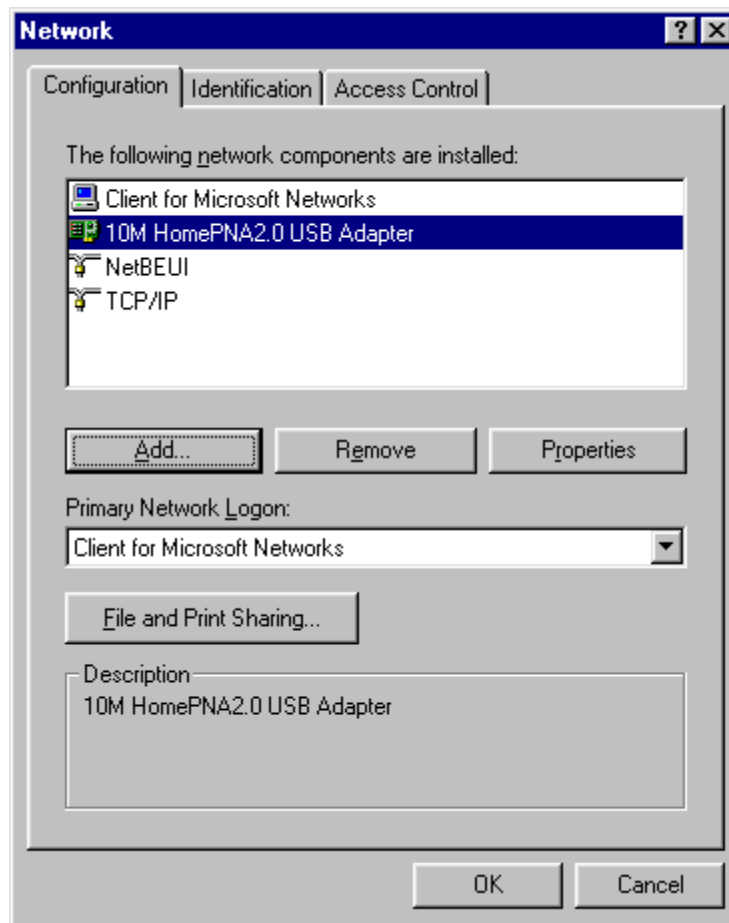


- 5). The wizard will inform you the following window as installation procedure is completed. Click **“Finish”**.



- 6).The system will ask for re-boot while the procedure is completed. Reply to click **“No”** at this step.
- 7).To check if the USB Adapter is successfully installed. Go to **“My Computer”**⇒**“Control Panel”**, open **“Network”** window.

8).The system will show you the window below.



9).Make sure all network components are well installed.

Note

For Windows 2000/XP applications, the “**Digital Signature Not Found**” window may appear warning that the installation software is not a digitally signed version.

A digital signature is not necessary, the software has been tested with Windows 2000/XP.

Just ignore and click “**Yes**” to allow the installation to continue.