

USB ADSL Modem

ADU-2100

User's Manual



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FCC Compliance Statement

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the instructions provided with the equipment, may cause interference to radio and TV communication. The equipment has been tested and found to comply with the limits for a Class A computing device in accordance with the specifications in Subpart B of Part 15 of FCC rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If you suspect this equipment is causing interference, turn your Ethernet Switch on and off while your radio or TV is showing interference, if the interference disappears when you turn your Ethernet Switch off and reappears when you turn it back on, there is interference being caused by the Ethernet Switch.

You can try to correct the interference by one or more of the following measures:

- w Reorient the receiving radio or TV antenna where this may be done safely.
- w To the extent possible, relocate the radio, TV or other receiver away from the Switch.
- w Plug the Ethernet Switch into a different power outlet so that the Switch and the receiver are on different branch circuits.

If necessary, you should consult the place of purchase or an experienced radio/television technician for additional suggestions.

CE mark Warning

The is a class B device, In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

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Revision

User's Manual for PLANET USB ADSL Modem

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TABLE OF CONTENTS

CHAPTER 1 INTRODUCTION.....	1
FEATURES.....	1
DATA REQUIREMENT.....	1
<i>ADSL LAN mode user</i>	1
<i>ADSL WAN (PPPoE/PPPoA) mode user</i>	1
SYSTEM REQUIREMENT.....	2
CHAPTER 2 INSTALLATION.....	3
HARDWARE INSTALLATION.....	3
DRIVER INSTALLATION FOR BOTH LAN AND WAN MODE WITH WINDOWS 98.....	3
DRIVER INSTALLATION FOR BOTH LAN AND WAN MODE WITH WINDOWS ME.....	6
DRIVER INSTALLATION FOR BOTH LAN AND WAN MODE WITH WINDOWS 2000.....	7
DRIVER INSTALLATION FOR BOTH LAN AND WAN MODE WITH WINDOWS XP.....	11
DRIVER INSTALLATION FOR BOTH LAN AND WAN MODE WITH WINDOWS 2003 SERVER	13
CHAPTER 3 ADSL CONFIGURATION.....	15
ADSL LAN CONFIGURATION.....	15
ADSL WAN CONFIGURATION.....	19

Chapter 1

Introduction

PLANET USB ADSL modem ADU-2100 is designed to provide cost-effective access to high-speed ADSL services. With our ADSL modem, surfing on Internet is just like driving a sport car on the Express Highway. Video on Demand, Videoconference and any high-speed Internet applications is not a dream any more. But a reality!

Features

- I USB bus-powered; an external power supply is not required
- I ANSI T1.413 issue 2, ITU G.dmt(G.992.1), and ITU G.lite(G.992.2) compliant
- I Software upgradeable
- I WAN mode support:
 - n PPP over ATM LLC SNAP/VCMUX (RFC 2364)
 - n PPP over Ethernet LLC SNAP/VCMUX (RFC 2516)
- I LAN mode support:
 - n Classical IP over ATM (RFC 1577)
 - n Bridged IP over ATM LLC SNAP/VCMUX (RFC 1483)
 - n Routed IP over ATM LLC SNAP/VCMUX (RFC 1483)
- I Supports DSL downstream data rates up to 8 Mbps
- I Supports DSL upstream data rates up to 1 Mbps
- I Compliant with Universal Serial Bus Specification Revision 1.1

Data Requirement

You must get the following data information from your ISP or phone company to set up ADU-2100.

ADSL LAN mode user

- I VPI/VCI value
- I Encapsulation mode(example: RFC 1483, 1577...etc.)
- I IP Address, Subnet Mask
- I Gateway, DNS related information

ADSL WAN (PPPoE/PPPoA) mode user

- I VPI/VCI value
- I Encapsulation mode (example: RFC 2364, 2516...etc.)
- I Username and password for authentication

System Requirement

- I Mainboard with USB support
- I Pentium II CPU and above or compatible
- I RAM: 64M or above
- I Windows 98, Windows 2000, Windows ME, Windows XP, Windows 2003
Server

Chapter 2

Installation

2

Please refer to the following steps to complete ADU-2100 installation.

Hardware Installation

1. Turn on your PC
2. Insert the rectangular end of a USB cable into the USB port of your PC. Then, insert the square end of the USB cable into the USB port of the ADU 2100.
3. PC will automatically detect this modem as “USB Net Card”.
4. Insert bundled USB driver CD into the proper drive and follow instruction to install ADU 2100.

Driver Installation for both LAN and WAN mode with Windows 98

1. The “Add New Hardware Wizard” will be displayed. Click **Next**.



2. Choose the “search for a better Driver (Recommended)” and click Next.



3. Choose Specify a location. Then click **Next**.
If you need to set for LAN mode (RFC1483), select LAN subdirectory and for WAN mode (RFC2516/2364), select WAN subdirectory.



- The **Add New Hardware Wizard** will appear and indicate the **PLANET ADU-2100 USB ADSL Interface** has been recognized and will install a new driver. Click **Next**



- Click **Finish** to complete the installation.



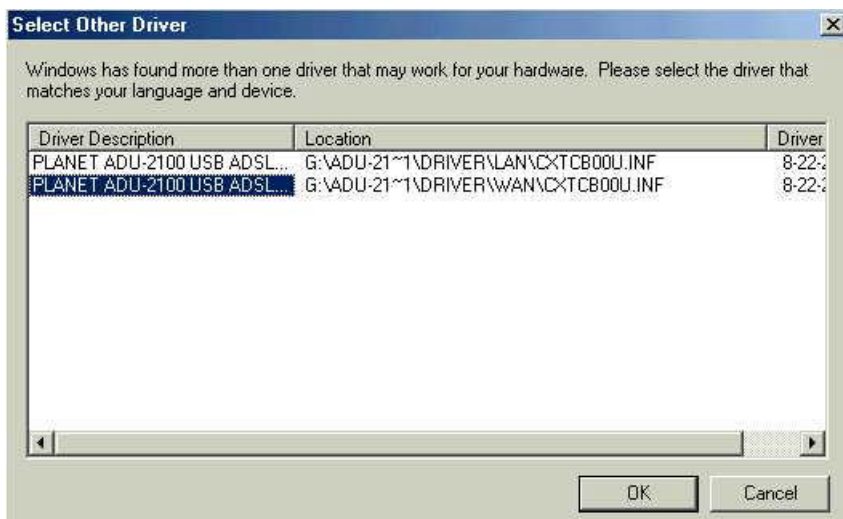
Driver Installation for both LAN and WAN mode with Windows ME

1. The "Found New Hardware Wizard" will be displayed. Insert ADU-2100 driver CD and click **Next**.



2. Please specify the path which ADSL modem connected your computer to Internet, then click **OK**.

If you need to set for LAN mode (RFC1483), select LAN subdirectory and for WAN mode (RFC2516/2364), select WAN subdirectory.



3. Click **Finish** to complete ADU-2100 driver installation.



Driver Installation for both LAN and WAN mode with Windows 2000

1. The "Add New Hardware Wizard" will be displayed and click **Next**.



- Choose the “Search for a suitable driver for my device (recommended)”, and click **Next**.



- Next you will be prompted for software drivers. Select **Specify a location**.



- Insert the ADSL Driver CD into your systems **CD-ROM drive**, Select **Driver Directory LAN** or **WAN**, then click **OK**.

If you need to set for LAN mode (RFC1483), select LAN subdirectory and for WAN mode (RFC2516/2364), select WAN subdirectory.



5. The **Found New Hardware Wizard** will then find the **ADSL USB MODEM**, click **Next**.



6. The “Digital Signature Not Found” window will pop-up, Click Yes.



7. Click **Finish** to complete the installation.



Driver Installation for both LAN and WAN mode with Windows XP

1. The "Add New Hardware Wizard" will be displayed. Choose **Install from a list or specific location (Advanced)** and click **Next**.



2. Insert the ADSL Driver CD into your systems **CD-ROM drive**, Select **Driver Directory LAN** or **WAN**, then click **Next**.

If you need to set for LAN mode (RFC1483), select LAN subdirectory and for WAN mode (RFC2516/2364), select WAN subdirectory.



3. The **Hardware Installation** window appears. You will be asked; **Do you want to continue installation?** Click **Continue Anyway**.



3. At the conclusion of the ADSL modem driver installation, the **Found New Hardware Wizard** window appears and displays your newly installed **PLANET ADU-2100 USB ADSL Interface**, then click **Finish**.



Driver Installation for both LAN and WAN mode with Windows 2003 Server

1. The **Found New Hardware Wizard** will appear. Select **Install from a list or specific location (Advanced)**, and click **Next**.



2. Insert the ADSL Driver CD into your systems **CD-ROM drive**, Select **Driver Directory LAN** or **WAN**, then click **OK**.

If you need to set for LAN mode (RFC1483), select LAN subdirectory and for WAN mode (RFC2516/2364), select WAN subdirectory.



3. The **Hardware Installation** window appears. You will be asked; **Do you want to continue installation?** Click **Continue Anyway**.



4. At the conclusion of the ADSL modem driver installation, the **Found New Hardware Wizard** window appears and displays your newly installed **PLANET ADU-2100 USB ADSL Interface**, then click **Finish**



Chapter 3

ADSL Configuration

3

ADSL LAN Configuration

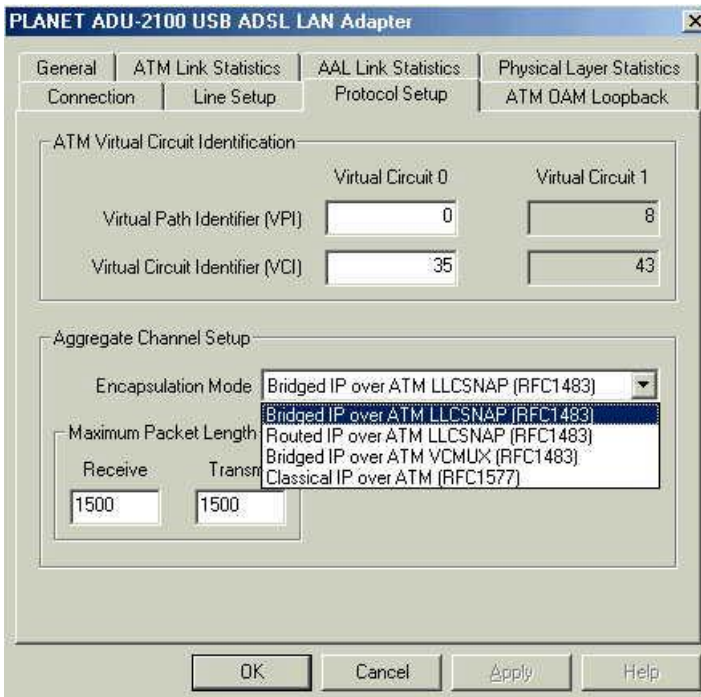
1. **Conexant Access Runner ADSL** icon should be added in the control panel or on the desktop.



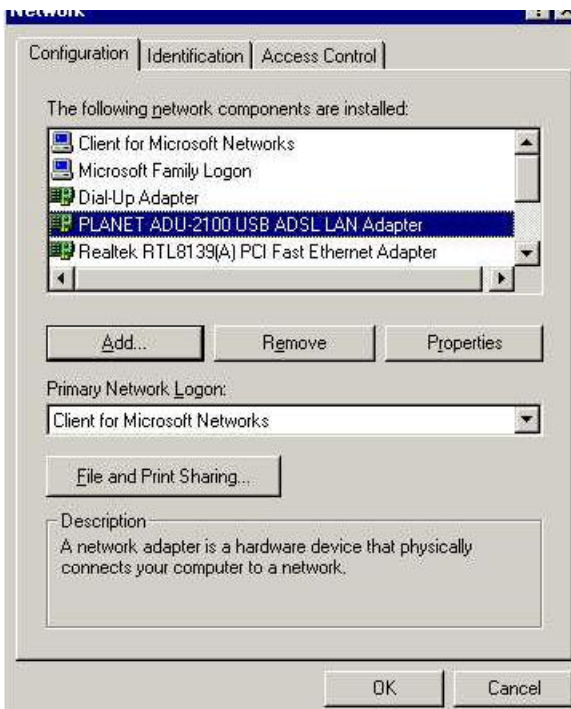
2. Click the **Conexant Access Runner ADSL** icon, it will be displayed the status of the modem.



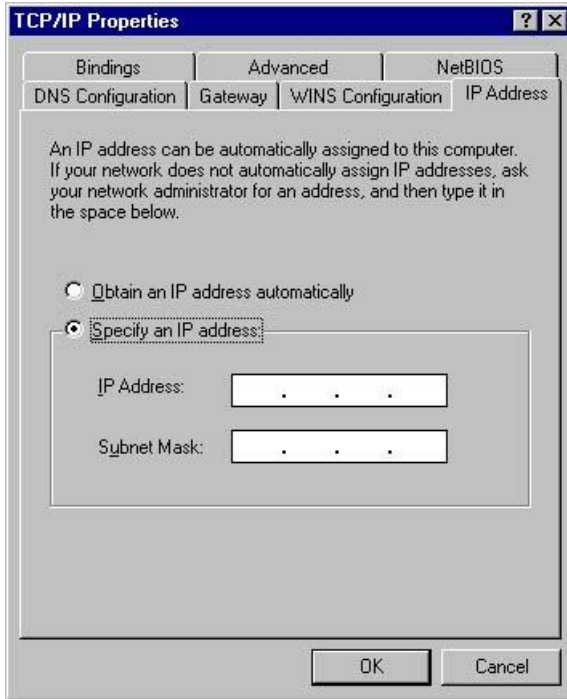
3. Press **Alt + P** on the keyboard, the right figure appears.
4. Under the **Protocol Setup** please set the value of **VCI**, **VPI** and **Encapsulation**.



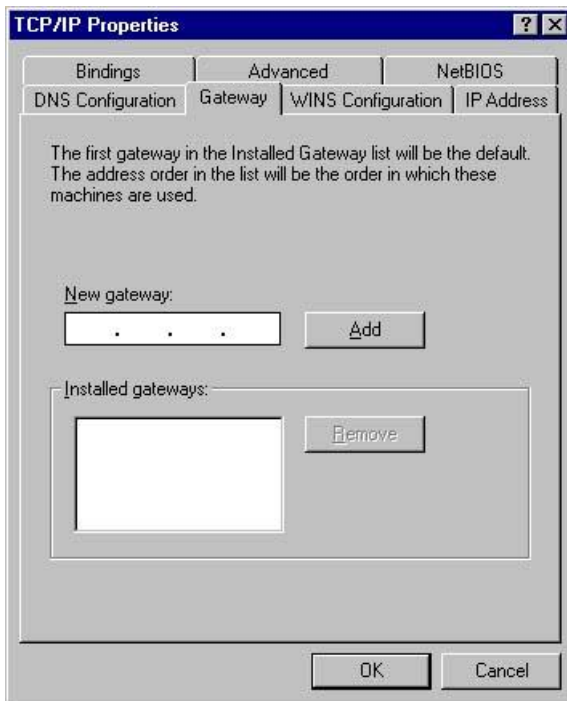
5. Click My Computer on the **desktop\ Control Panel\Network\Configuration** -> select **TCP/IP** -> click **properties** to configure TCP/IP configuration.



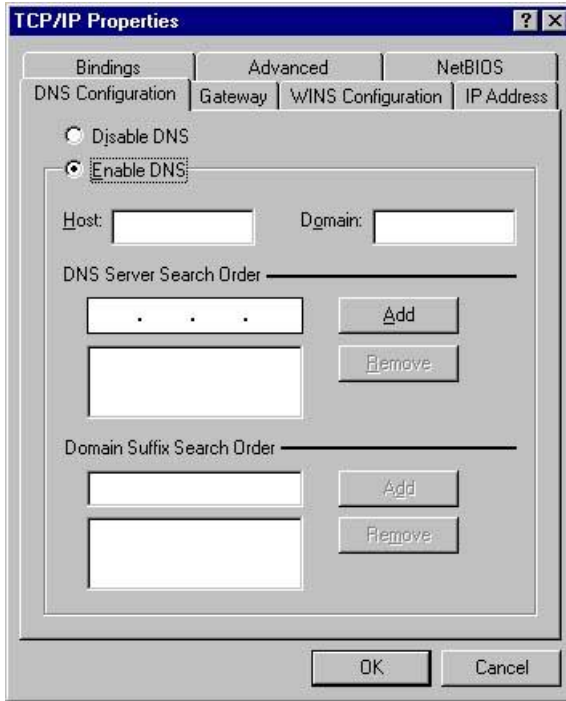
6 **IP Address** setting: select **Specify an address**, then enter the value of **IP Address** and **Subnet Mask** obtained from ISP.



7. **Gateway** setting: enter the data from your ISP and click **Add**.



8. **DNS Configuration** setting: Select **Enable DNS**, enter **Host** name and add **DNS Server Search Order**. Click **Add** and **OK**.



9. Reboot computer to activate the modifications if necessary.

NOTE: TCP/IP configuration listed above is a sample for ADU-2100 installation on Windows 98 machine. It is strongly recommended to refer user's manual of operating system or consult network administrator to ensure correctness of TCP/IP configuration. Meanwhile, parameters of TCP/IP configuration shall be depended on your ISP; please consult with your service provider about the configuration.

ADSL WAN configuration

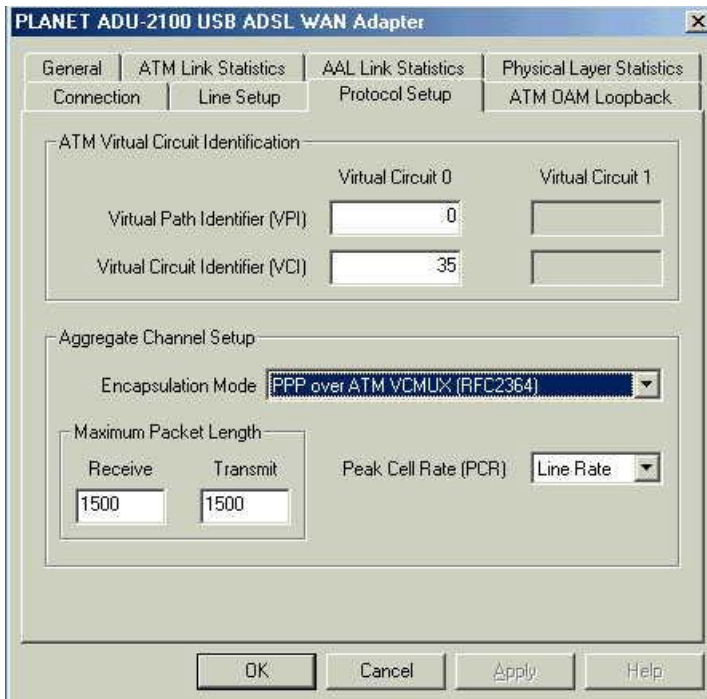
1. After driver installation, **Conexant Access Runner ADSL** and **AccessRunner DSL** icon should be added in the control panel and on the desktop.



2. Click the **Conexant Access Runner ADSL** icon, it will be displayed the status of the modem.



3. Press **Alt + P** on the keyboard, the control panel appears.
4. Under the **Protocol Setup** please set the value of **VCI**, **VPI** and **Encapsulation**, then click **OK**.



5. Click the **Access Runner DSL** icon on the **desktop** -> enter **User name**, **Password** and **Phone number (don't care; recommend "0000")** from your ISP.
6. Click **Connect**. Now, you can surfer the Internet.



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