

Solwise Ltd

SAR-01PA
ADSL PCI ALC Modem



User's Manual

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1	Introduction	5
1.1	Product Overview	5
1.2	Specifications	5
1.3	System Requirements	5
1.4	Operating Temperature	5
1.5	Package Contents.....	6
2	Hardware Installation	7
2.1	Installing ADSL PCI Modem	7
3	Driver Installation.....	8
3.1	MS Windows 98	8
3.1.1	PPPoA.....	8
3.2	MS Windows ME	13
3.2.1	PPPoA.....	13
3.3	MS Windows 2000	18
3.3.1	PPPoA.....	18
3.4	MS Windows XP	24
3.4.1	PPPoA.....	24
4	Driver Uninstallation	30
4.1	MS Windows 98	30
4.2	MS Windows ME	30
4.3	MS Windows 2000	31
4.4	MS Windows XP	31
5	Diagnostic.....	33
5.1	MS Windows 98	33
5.2	MS Windows ME	33
5.3	MS Windows 2000	34
5.4	MS Windows XP	35
6	Troubleshooting.....	37
6.1	Software.....	37
6.2	Hardware	37

1 Introduction

1.1 Product Overview

『ADSL』 is "Asymmetric Digital Subscriber Line", which means it uses the ADSL modem with telephone on same PSTN line at same time. The voice and data transmission will not be interference.

1.2 Specifications

- ANSI T1.413 Issue2 compliant
- ITU-T G.992.1 (G.dmt) and G.992.2 (G.lite) compliant
- Discrete multitone (DMT) modulation
- Full rate transmission at up to 8 Mbps downstream and 640 kbps upstream
- G.lite version at up to 1.5 Mbps downstream data rates and up to 512 kbps upstream
- Up to 18,000 feet in distance
- Support for Windows 98/ME/W2K/XP
- Full ATM protocol stacks implementation over ADSL , including ATM TC layer , ATM layer with traffic shaping , AAL layer (AAL5 & SAR) , PPP over ATM and Classical IP over ATM (RFC 1483 & RFC1577) for Windows.
- Central office DSLAM interoperability ensured
- Peripheral Component Interconnect (PCI 2.2 compliant)
- Splitterless operation support

1.3 System Requirements

- IBM PC/AT or its compatibles
- CPU speed : Pentium 450MHZ
- Memory : 64Mbyte or above

1.4 Operating Temperature

- 0 ~ 40°C

1.5 Package Contents

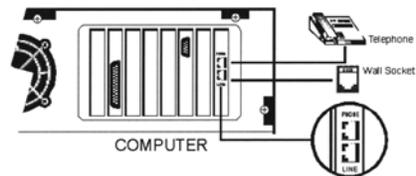
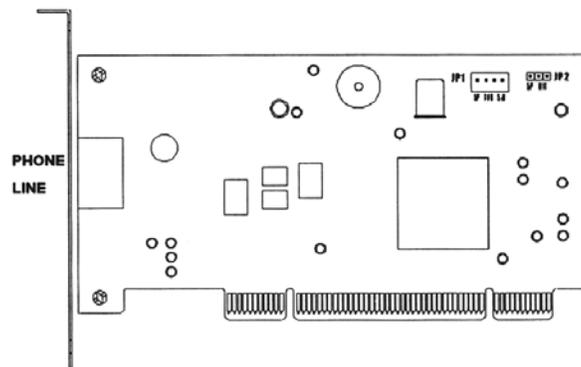
- **PCI ADSL Modem**
- **Installation Guide**
- **Software CD-ROM**
- **7ft phone cable (RJ-11 Jack)**

2 Hardware Installation

2.1 Installing ADSL PCI Modem

- Plug one end of the ADSL cable to RJ-11 jack on the back of ADSL PCI Modem and the other end to LINE jack on the Wall Socket

Installing Diagram



3 Driver Installation

3.1 MS Windows 98

3.1.1 PPPoA

3.1.1.1 Installing Driver

1. Please insert the driver CD supplied when you see the message of **PCI Ethernet Controller** appearing on the screen, then click **Next**.



2. Select **Search for the best driver for your device. [Recommended]** and Click **Next**.



3. Select **Specify a location** and type in the path of CD-ROM drive (for example H:\Driver), click **Next**.



4. Windows has found the driver for the **ADSL Modem** and click **Next**.



5. Insert the Windows 98 CD-ROM to your CD-ROM drive and click **OK**.



6. The installation has been done, click **Finish**.



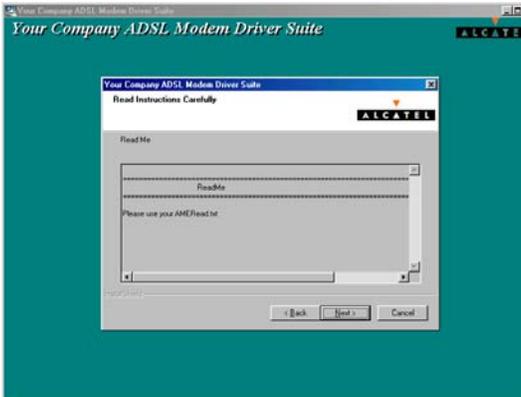
7. Click **Next**.



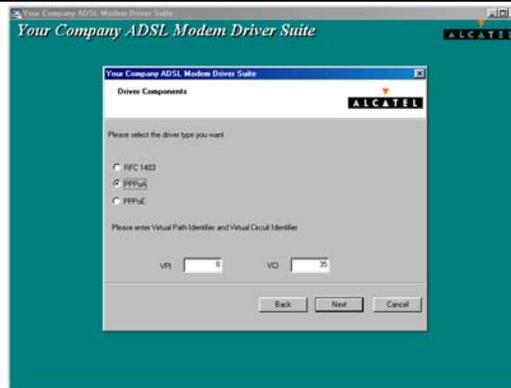
8. Click **Yes**.



9. Click **Next**.



10. Select **PPPoA** and type in the **VPI** (0 for BT line, 1 for a KC line) and **VCI** (38 for BT line, 50 for a KC line) and click **Next**.



11. If on a BT line then select **VCMUX / NULL**, for a KC line then select **LLC** and click **Next**.



12. Insert the Windows 98 CD-ROM to your CD-ROM drive and click **OK**.



13. Click **Finish**.



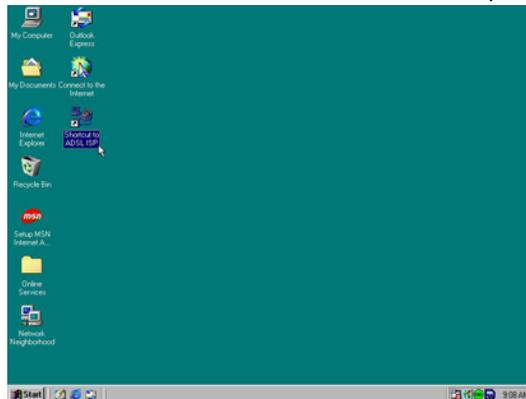
14. Select **Yes, I want to restart my computer now** and click **OK**.



3.1.1.2 Connect and Disconnect

3.1.1.2.1 Connect

1. Double click the **Shortcut to ADSL ISP** icon on desktop screen.



2. Type in **User name** and **Password** then click **Connect**. The computer will connect to ISP and you can enjoy Internet.

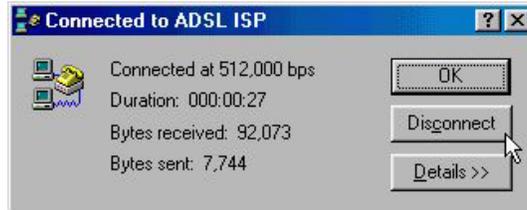


3.1.1.2.2 Disconnect

1. Double click the **Shortcut to ADSL ISP** icon on desktop screen.



2. Click **Disconnect** end connect.



3.2 MS Windows ME

3.2.1 PPPoA

3.2.1.1 Installing Driver

1. Please insert the driver CD supplied when you see the message of **PCI Ethernet Controller** appearing on the screen, select **Specify the location of the driver (advanced)**, then click **Next**.



2. Select **Search for the best driver for your device. [Recommended]** and check **Specify a location**, then type in the path of CD-ROM drive (for example H:\Driver) and click **Next**.



3. Windows has found the driver for the **ADSL Modem** and click **Next**.



4. The installation has been done, click **Finish**.



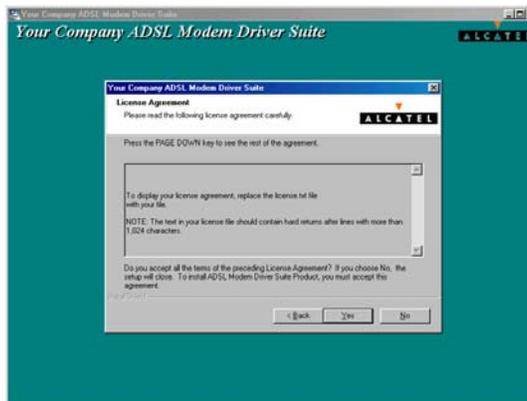
5. Click **Yes** to restart computer.



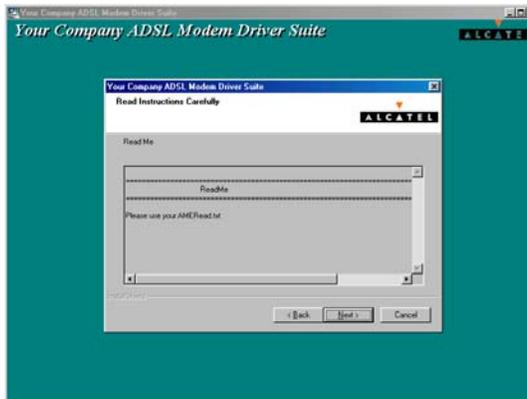
6. Click **Next**.



7. Click **Yes**.



8. Click **Next**.



9. Select **PPPoA** and type in the **VPI** (0 for BT line, 1 for a KC line) and **VCI** (38 for BT line, 50 for a KC line) and click **Next**.



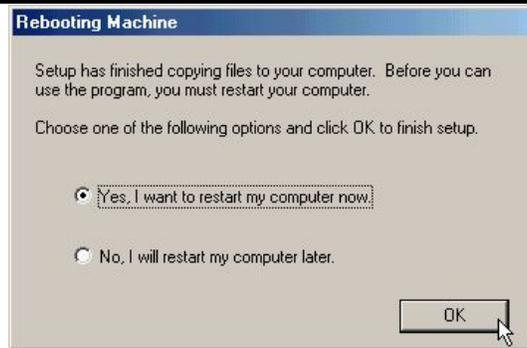
10. If on a BT line then select **VCMUX / NULL**, for a KC line then select **LLC** and click **Next**.



11. Click **Finish**.



12. Select **Yes, I want to restart my computer now** and click **OK**.



3.2.1.2 Connect and Disconnect

3.2.1.2.1 Connect

1. Double click the **Shortcut to ADSL ISP** icon on desktop screen.



2. Type in **User name** and **Password** then click **Connect**. The computer will connect to ISP and you can enjoy Internet.

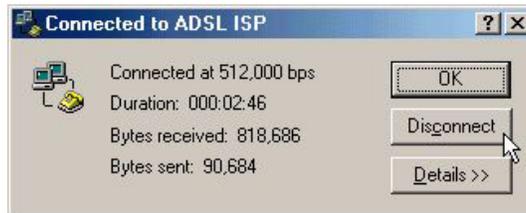


3.2.1.2.2 Disconnect

1. Double click the **Shortcut to ADSL ISP** icon on desktop screen.



2. Click **Disconnect** end connect.



3.3 MS Windows 2000

3.3.1 PPPoA

3.3.1.1 Installing Driver

1. Please insert the driver CD into CD-ROM drive and click **Next**.



2. Select **Search for a suitable driver for my device. [Recommended]** and click **Next**.



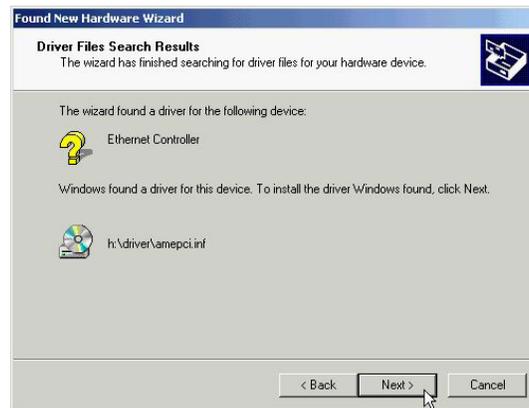
3. Select **Specify a location** and click **Next**.



4. Type in the path of CD-ROM drive (for example H:\Driver) and click **OK**.



5. Click **Next**.



6. Click **Yes**.



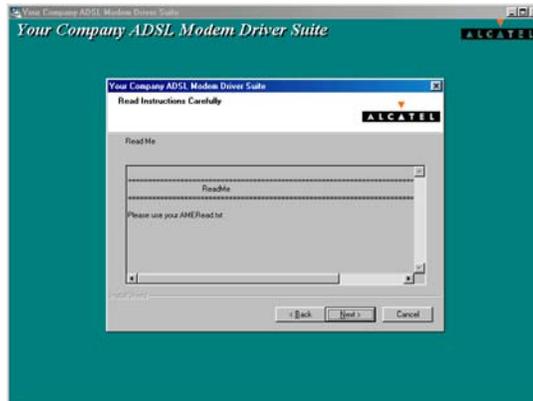
7. Click **Next**.



8. Click **Yes**.



9. Click **Next**.



10. Select **PPPoA** and type in the **VPI** (0 for BT line, 1 for a KC line) and **VCI** (38 for BT line, 50 for a KC line) and click **Next**.



11. If on a BT line then select **VCMUX / NULL**, for a KC line then select **LLC** and click **Next**.



12. Click **Finish**.



13. Select **Yes, I want to restart my computer now** and click **OK**.



3.3.1.2 Connect and Disconnect

3.3.1.2.1 Connect

1. Double click the **Shortcut to ADSL ISP** icon on desktop screen.

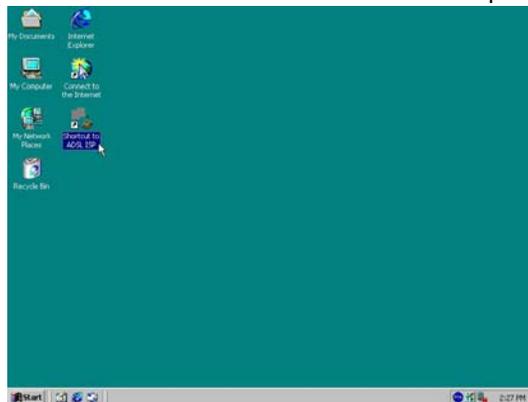


2. Type in **User name** and **Password** then click **Dial**. The computer will connect to ISP and you can enjoy Internet.

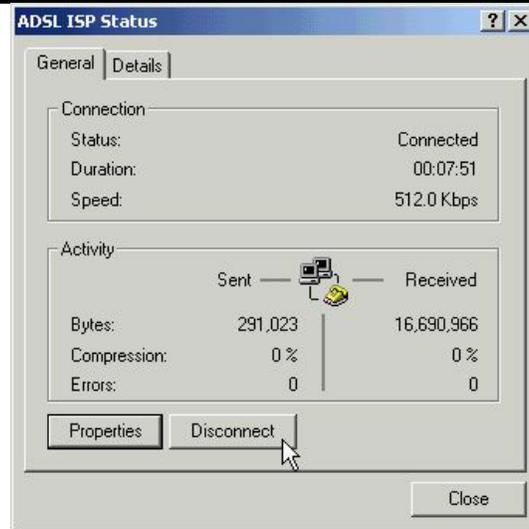


3.3.1.2.2 Disconnect

1. Double click the **Shortcut to ADSL ISP** icon on desktop screen.



2. Click **Disconnect** end connect.



3.4 MS Windows XP

3.4.1 PPPoA

3.4.1.1 Installing Driver

1. Please insert the driver CD into CD-ROM drive and select **Install from a list or specific location (Advanced)** then click **Next**.



2. Select **Include this location in the search** and type in the path of CD-ROM drive (for example H:\Driver), then click **Next**.



3. Click **Continue Anyway**.



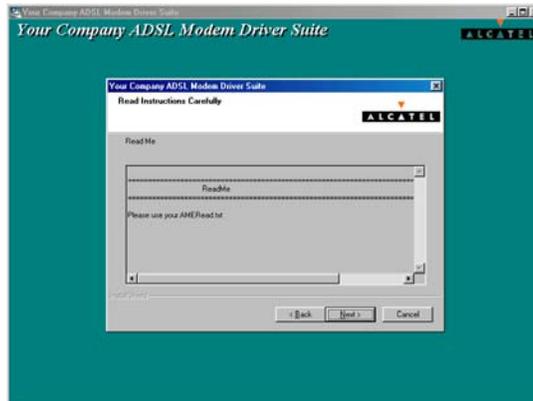
4. Click **Next**.



5. Click **Yes**.



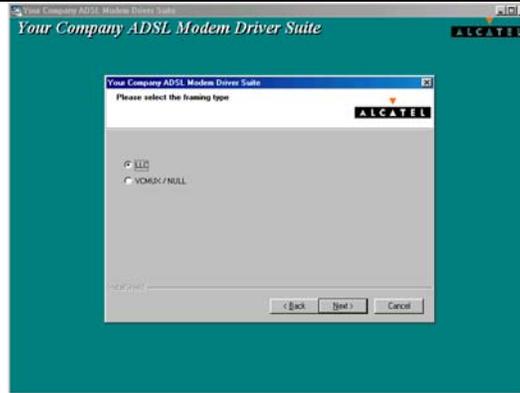
6. Click **Next**.



7. Select **PPPoA** and type in the **VPI** (0 for BT line, 1 for a KC line) and **VCI** (38 for BT line, 50 for a KC line) and click **Next**.



8. If on a BT line then select **VCMUX / NULL**, for a KC line then select **LLC** and click **Next**.



9. Click **Finish**.



10. Select **Yes, I want to restart my computer now** and click **OK**.



11. Click **Continue Anyway**.



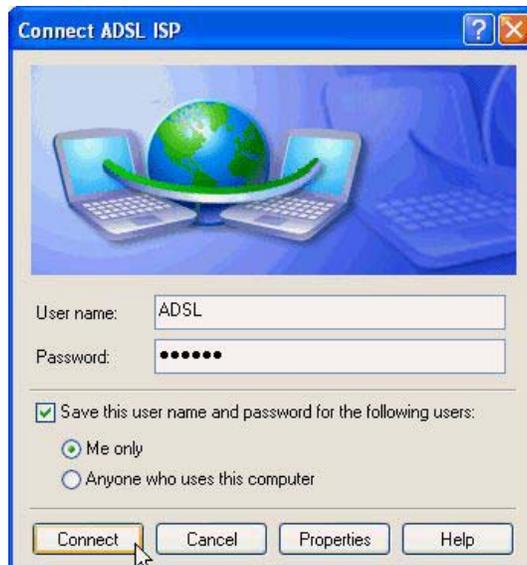
3.4.1.2 Connect and Disconnect

3.4.1.2.1 Connect

1. Double click the **Shortcut to ADSL ISP** icon on desktop screen.



2. Type in **User name** and **Password** then click **Connect**. The computer will connect to ISP and you can enjoy Internet.



3.4.1.2.2 Disconnect

1. Double click the **Shortcut to ADSL ISP** icon on desktop screen.



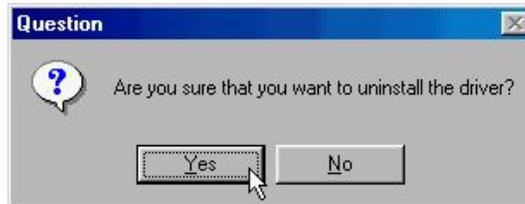
2. Click **Disconnect** end connect.



4 Driver Uninstallation

4.1 MS Windows 98

1. Move your cursor as following sequence **Start \ Programs \ ADSL Modem Driver** and click **Remove ADSL Modem Driver**.
2. Click **Yes**.

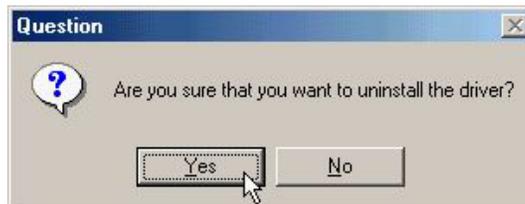


3. Select **Yes, I want to restart my computer now** and click **OK**.



4.2 MS Windows ME

1. Move your cursor as following sequence **Start \ Programs \ ADSL Modem Driver** and click **Remove ADSL Modem Driver**.
2. Click **Yes**.

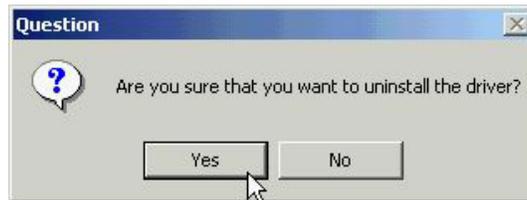


3. Select **Yes, I want to restart my computer now** and click **OK**.



4.3 MS Windows 2000

1. Move your cursor as following sequence **Start \ Programs \ ADSL Modem Driver** and click **Remove ADSL Modem Driver**.
2. Click **Yes**.

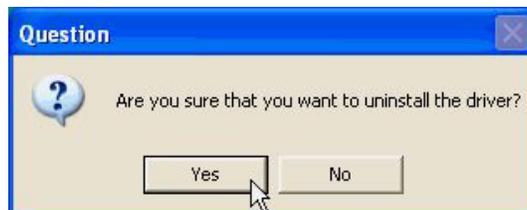


3. Select **Yes, I want to restart my computer now** and click **OK**.



4.4 MS Windows XP

1. Move your cursor as following sequence **Start \ All Programs \ ADSL Modem Driver** and click **Remove ADSL Modem Driver**.
2. Click **Yes**.



3. Select **Yes, I want to restart my computer now** and click **OK**.



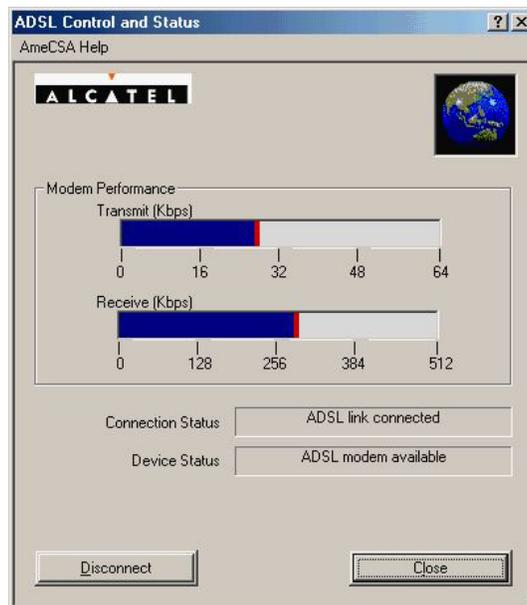
5 Diagnostic

5.1 MS Windows 98

1. Double click the **DSL** icon on the right of Taskbar.



2. Check Transmit and Receive speed. If show your applied speed is OK, else ADSL is failed. The blue bar is mean data transferring.

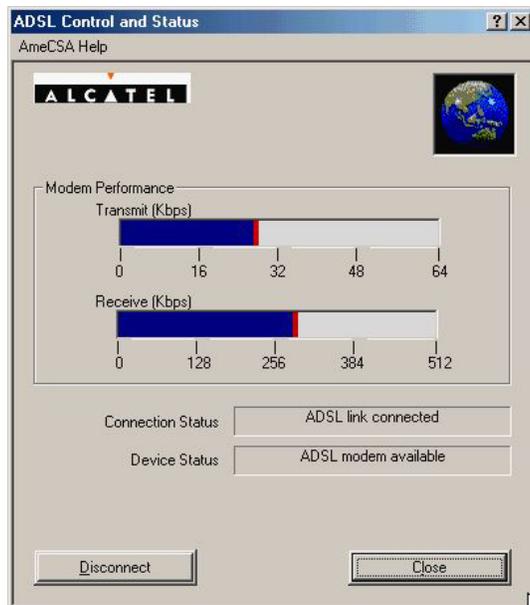


5.2 MS Windows ME

1. Double click the **DSL** icon on the right of Taskbar.

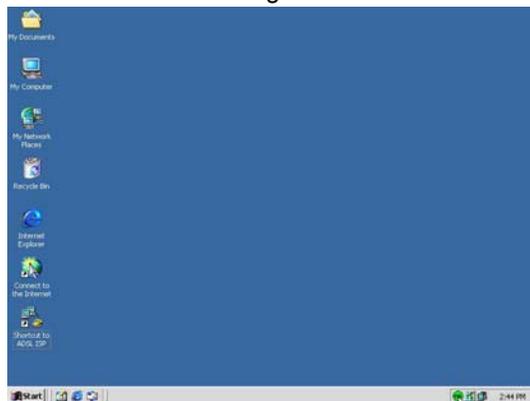


2. Check Transmit and Receive speed. If show your applied speed is OK, else ADSL is failed. The blue bar is mean data transferring.

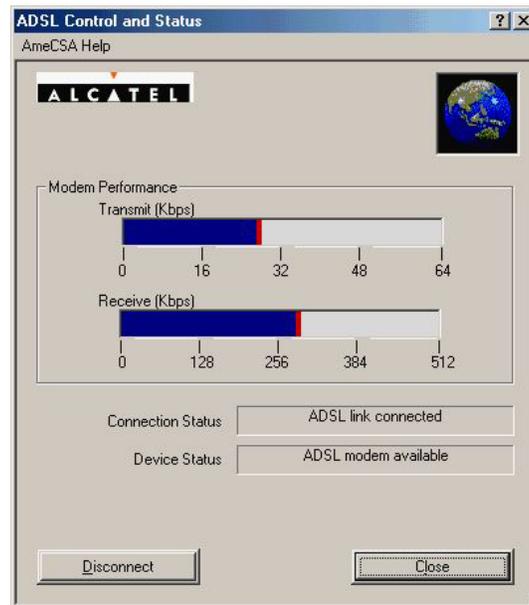


5.3 MS Windows 2000

1. Double click the **DSL** icon on the right of Taskbar.



2. Check Transmit and Receive speed. If show your applied speed is OK, else ADSL is failed. The blue bar is mean data transferring.

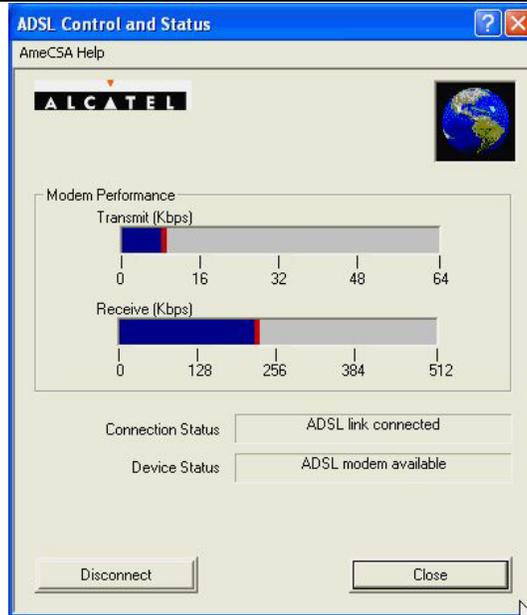


5.4MS Windows XP

1. Double click the **DSL** icon on the right of Taskbar.



2. Check Transmit and Receive speed. If show your applied speed is OK, else ADSL is failed. The blue bar is mean data transferring.



6 Troubleshooting

6.1 Software

If your internet connection is not working, the following hints may be helpful. After trying these hints, if you still cannot make your connection work, it is recommended that you ask your service provide provider for assistance. To run troubleshooting on the system.

- Step 1. Is the system tray CSA icon green?
- Step 2. If it is not, try a restart of your PC. This may clear the problem.
- Step 3. If the CSA icon color does not show green after performing the steps above, it is recommended to uninstall the software and re-install.

6.2 Hardware

If your internet connection is not working check the telephone line connects to Modem jack properly.