DoubleModem AMQUEST

For Windows 95/98

Quick Installation Guide

Visit us at
www.amquestmodem.com
For Tech Support Call: 1-888-715-7444

DOC: QU1998

Whether your operating environment is in a small business or the privacy of your home, the Amquest DoubleModem ™and DoubleModem Software Suite ™ will allow you to enjoy:

- Modem Bonding+:
  - PC to PC modem bonding up to 134.4Kbps per DoubleModem ™
  - Internet modem bonding up to 230Kbps per DoubleModem™
- Internet Sharing
- Modem Pooling
- Broadcast Faxing
- Voice/Fax on Demand

As well as the availability of performing any combination of these tasks at the same time. Because your available IRQs and PCI slots determine the only limit to the number of DoubleModems that you have in your system, you can double the performance offered by adding more DoubleModem ™card into your PC.

Your Amquest DoubleModem™ is a PCI bus internal modem card that has four fully Plug-and-Play (PnP) Rockwell based 56k modems on it. PnP works only under Windows 95/98 and Windows NT. PnP feature allows you to install your modem without you knowing and setting up the Com Port addresses or the IRQ number by following these simple instructions.

You have now begun the journey of upgrading your computer-operating environment with the total communication solution —The Amquest

DoubleModem ™and **DoubleModem Software Suite ™**

DoubleModem™ Hardware

Primary Features and benefits:

- 1 PCI internal card minimizes the number of slots and maximizes data transfer rate from modem to host Server/PC.
- 2 sets of Standard Rockwell based 56K V.90/K56Flex Chips guarantees connectivity with ISP.
- 2 modems using only 1 IRQ save you the limited IRQ resources in your Server/PC.
- Fully PnP and standard drivers for Windows 95, 98, NT 4.0, NT Server, Workstation and DOS insure software compatibility.

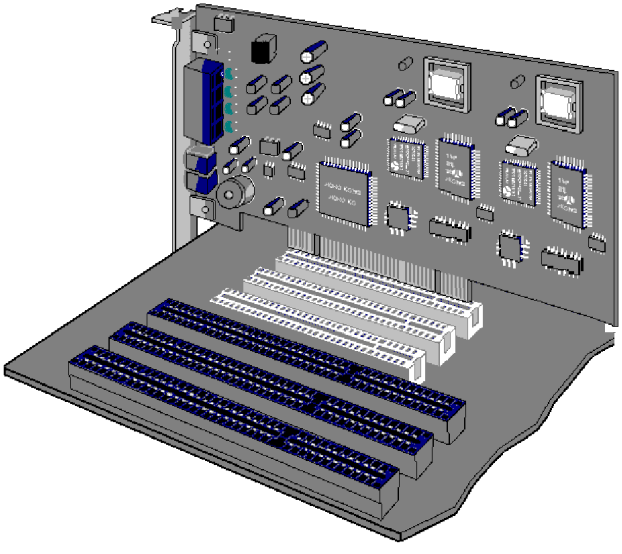
Additional Features and Benefits:

- PCI bus interface allows data to move from modem to Server/PC at faster rates; thus eliminating the constraint of the slow UART serial port.
- PnP feature provides one step and easy installation.
- Both ITU-T V.90 and K56flex 56K protocols are enabled in the driver so the modems can connect with either standard without need for the user to change or update the driver.
- In data mode, download and receive data at up to 230Kbps with a compatible ISP.
- Full-featured caller ID, data, fax, voicemail and full duplex speakerphone provides powerful, all-inclusive functions for home and office.
- ITU-T V.80 standard support for video conferencing and videophone software.

- Runs under Windows 95/98, NT 4.0, Small Business Server and Workstation with a Pentium 133 or faster processor.

System Requirements:

- Bus: 1 PCI Slot
- Operating System: Windows 95, 98, NT 4.0, Workstation or Small Business Server
- Processor: Pentium Class PC min 100 MHz.



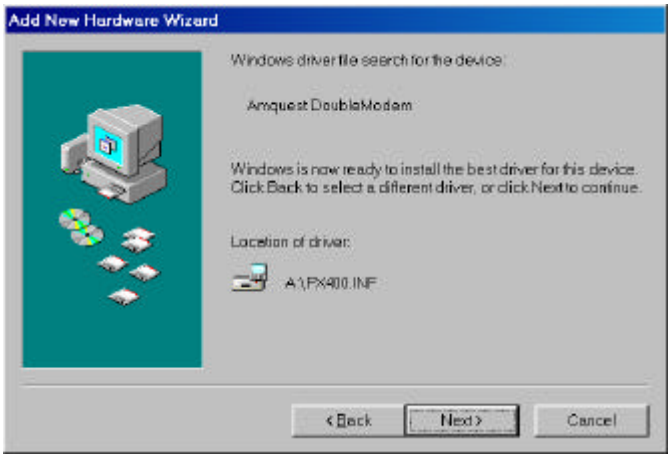
I. Installing the DoubleModem into your PC:

When Replacing a Currently Installed Modem:

1. Before you take out your old modem and put your new Doublemodem in, follow these steps:

- Under Windows 95, you must remove your old modem driver and ComPort by following these steps:
- Click on "Control Panel" > "Modem" then highlight the name of your old modem. Click "Remove".
- Next from "Control Panel" click on "Systems" > "Device Manager" > "Ports (Com & LPT)". Highlight the Com port of the old modem and click on "Remove". Then click on the "Modem" and make sure your old modem is removed.

2. Shut down your computer and take out your old modem.
3. Open your computer's case and find an empty PCI bus slot.
4. Insert your Doublemodem card into your PCI bus slot.
5. Tighten the screws on the modem bracket.
6. Close your computer case and power on.
7. Wait for Windows to start. You will see the following screens.

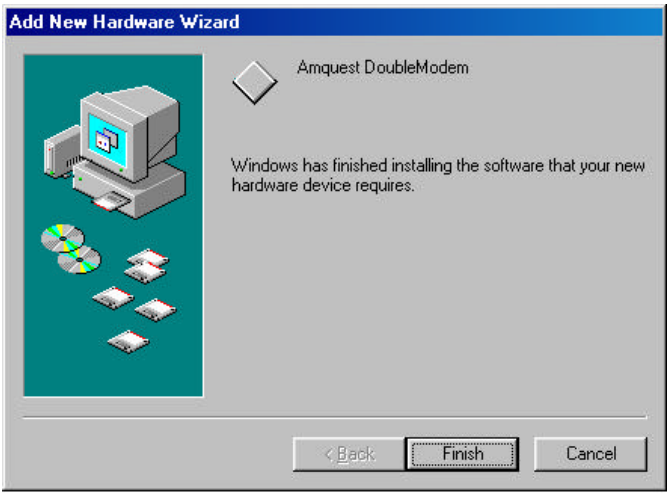


8. Let Windows search for the driver. Then press Enter to continue. When you see the following

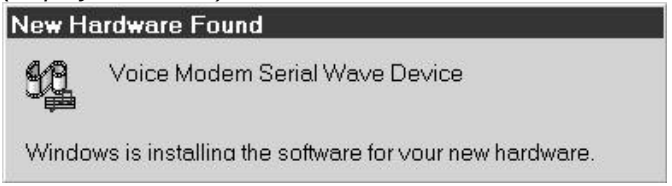
screen, insert the DoubleModem Drivers diskette for Win 95/98 into the A drive.

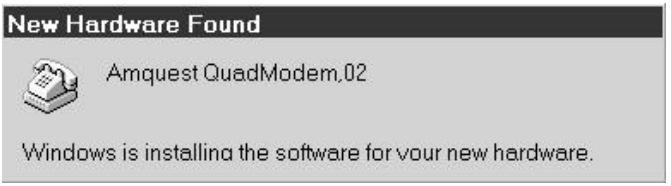
Select the first choice “Floppy Disk Drive” instead of specifying a location or directory name. Then press Enter.

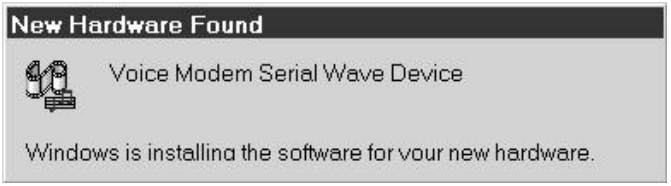
When you see the above screen, Windows has found the driver on your diskette and is ready to install it. Press Enter to continue.



(display four times)






New Hardware Found
Voice Modem Serial Wave Device
Windows is installing the software for your new hardware.

New Hardware Found
Wave Device for Voice Modem
Windows has found new hardware and is locating the softwa

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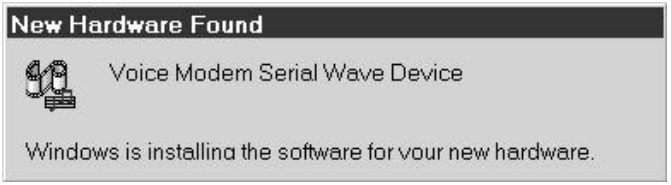
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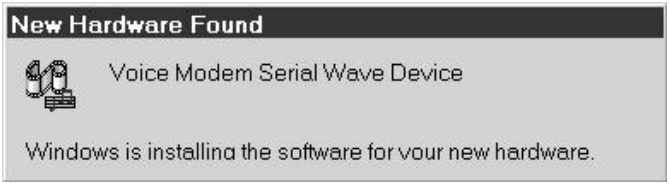
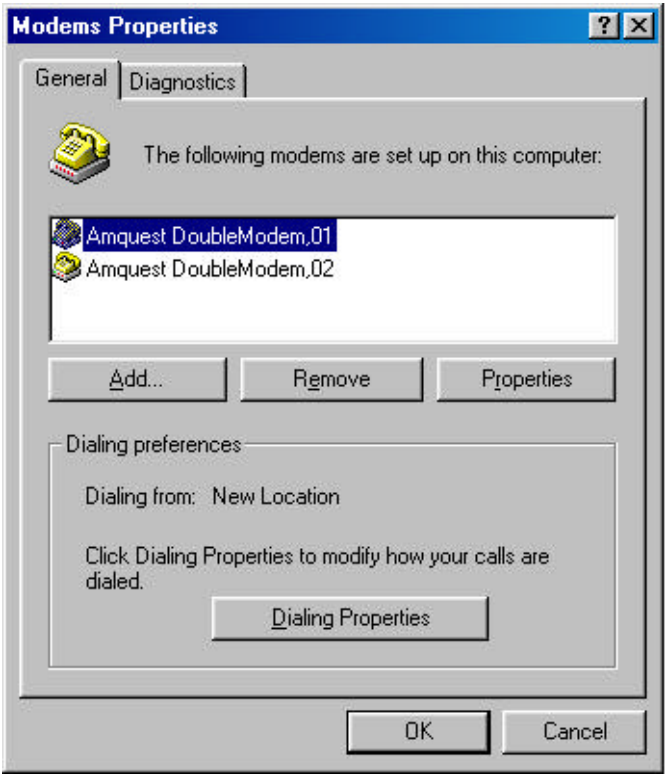

New Hardware Found
Voice Modem Serial Wave Device
Windows is installing the software for your new hardware.

Then click on “Yes” restart computer

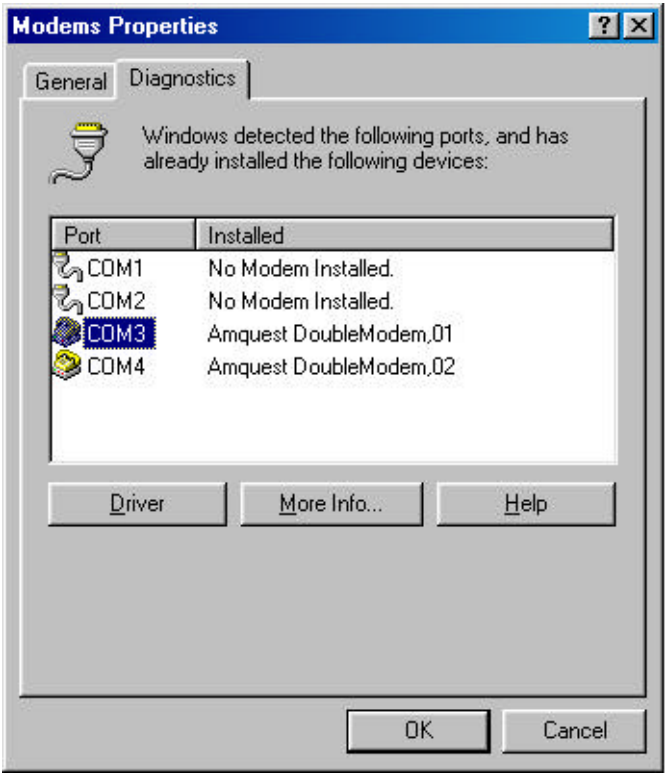
After Windows has finished installing the Doublemodem drivers, you will see the above screen. Your Doublemodem has been installed successfully.

Now verify your installation by viewing the modem properties. Click on “My Computer” and then click

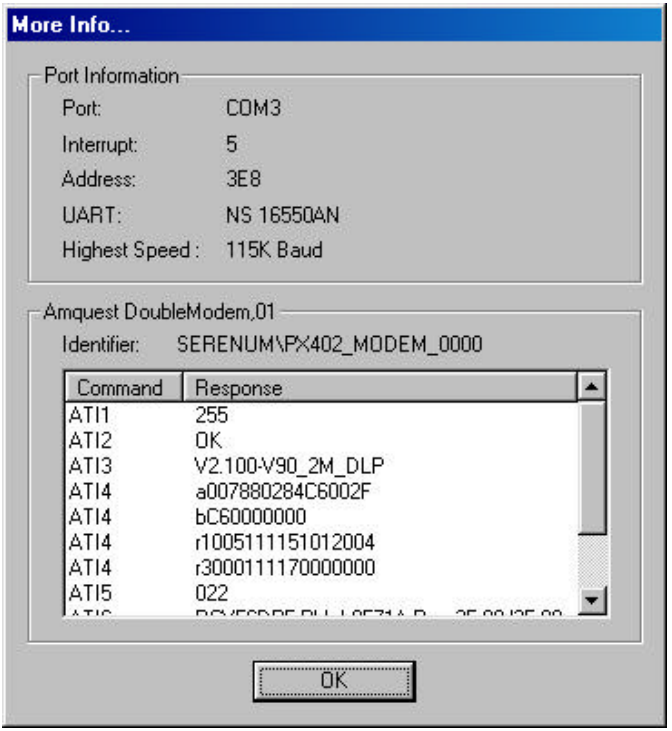
“Control Panel”. Then click “Modems”.

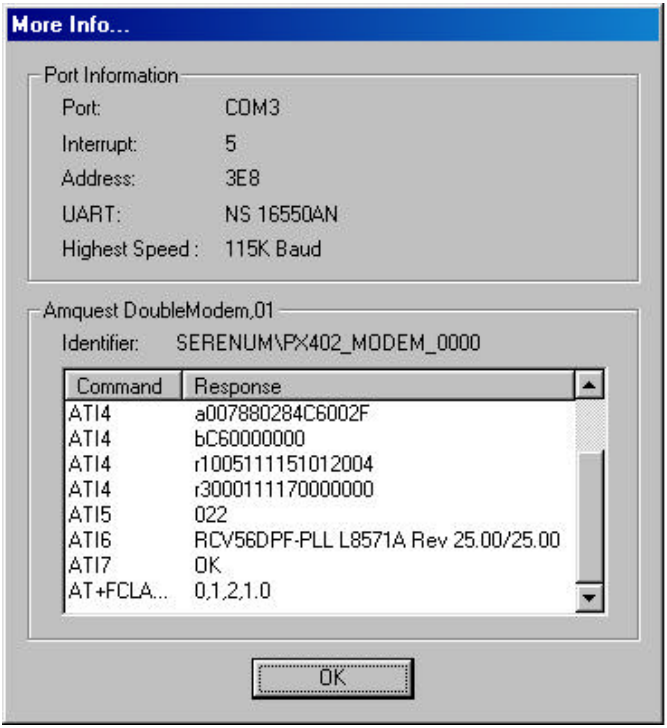


Then click on “Diagnostics”.



After you click “Diagnostics”, highlight the first modem line and click on “More Info”.


More Info...
Port Information
Port: COM3
Interrupt: 5
Address: 3E8
UART: NS 16550AN
Highest Speed : 115K Baud
Amquest DoubleModem,01
Identifier: SERENUM\PX402_MODEM_0000
Command Response
ATI1 255
ATI2 OK
ATI3 V2.100-V90_2M_DLP
ATI4 a007880284C6002F
ATI4 bC60000000
ATI4 r1005111151012004
ATI4 r3000111170000000
ATI5 022
OK



You will see the above screen. The ATI3 response data tells you that the firmware version is V2.1 and is V.90 compatible.

III. Connecting Phone Lines to Your modem

Your DoubleModem ™has four modular telephone jacks on the back of the board. Each is labeled "WALL." If your wall outline is not a modular type, yZu can purchase an inexpensive converter for each line at most electronics stores. Your modem must be connected to the phone outline that has an RJ11 jack. RJ11 line is sometimes called a single line phone. If you use a PBX or business phone system, make sure the extension line is an RJ11 outline.

1. Plug one end of the phone cord that came with the modem into the modem jack marked "LINE" or "WALL".
2. Plug the other end of the same phone cord into the wall jack.
3. Repeat steps 1 & 2 three times to connect the other three modems to the outbound phone lines.

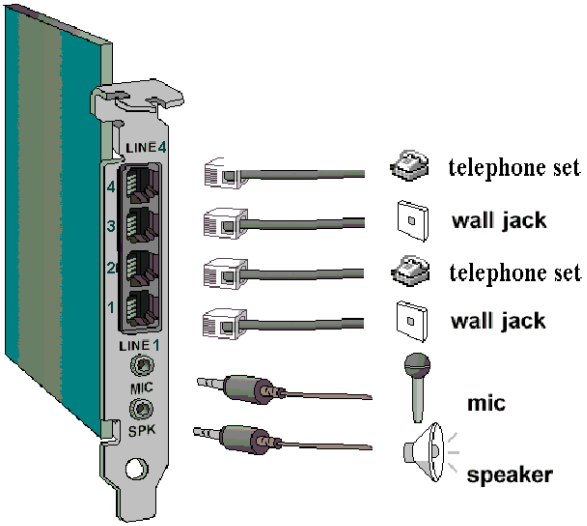
IV. Connecting the Microphone and Speaker

There are two RCA type plugs labeled "MIC" and "SPKR": Your bundled software will utilize these features for speakerphone or voice mail applications. Refer to your software manual for details.

1. Connect the microphone to the "MIC" plug
2. Connect an external speaker to "SPKR" plug.

Sharing Your Sound Card's Speakers:
If you have your speakers connected to a sound card already, you can share the speakers with this

speakerphone DoubleModem™. You will hear your voice conversation on the speakers.

1. Buy a short audio cable with "RCA jacks" at both ends.
2. Connect one end to the "SPK" plug of this modem
3. Connect the other end to the "LINE IN" plug of the sound card.
4. Enable the "LINE IN" function of your sound card in Win95.

There is also a SPK connector (usually a white connector) on the modem board itself so you can plug a sound card cable to it. Think of your modem as a CD ROM drive that can produce sound. The modem can also output voice through the speaker connector. The pins are usually LGGR which is the same as CD ROM drive.