

QUICK INSTALLATION GUIDE



Viking Components 56K Controllerless Modems

INTRODUCTION

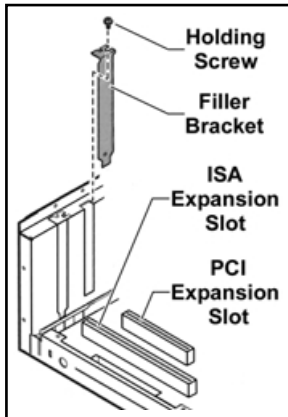
Note: Your particular model may vary from the pictures and features described in this guide.

Depending on the model of your modem, you can:

- Connect with the Internet or on-line services such as CompuServe and America On-line at speeds up to 56,000 bps.
- Remain downward compatible with ITU-T V.34 standards.
- Send and receive faxes at speeds up to 14,400 bps.
- Use Caller ID (available from your local telephone company) to screen incoming calls.
- Exploit the breakthroughs afforded by combining computer and telephone technologies.

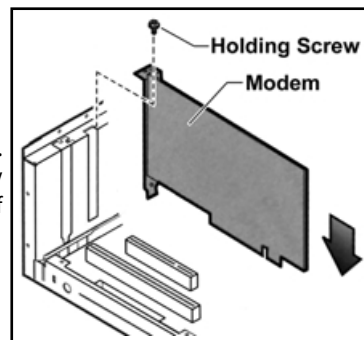
HARDWARE INSTALLATION

Note: Before installing any new hardware Microsoft recommends you create, or update your rescue disk. Please see Microsoft documentation or your system administrator for this procedure.

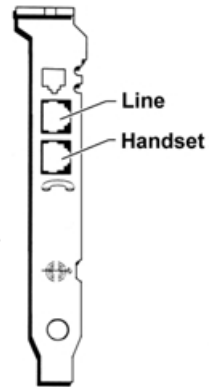


1. Turn your system off, remove all cables connected to the computer.
2. Depending on your modem, open the system exposing either the ISA or PCI Bus expansion slots. If you are unfamiliar with this procedure, please refer to your system's "Owner's Guide."
3. If you have purchased an ISA modem, locate an available ISA expansion slot on the system board. If you have purchased a PCI modem, locate an available PCI expansion slot on the system board.
4. The expansion slot that you are upgrading into may have a filler bracket in place. This bracket will need to be removed before the modem can be installed. Locate the brackets holding screw and remove it with a screwdriver. Then remove the bracket by pulling it up.

5. Remove the modem from the anti-static bag.
6. Insert the modem into its corresponding expansion slot. To ensure that the modem is correctly seated, use evenly distributed pressure to firmly press down on top edge of the modem. Replace and secure the holding screw.



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7. Identify the connectors on the back of the modem. Hook your modem as follows:

- Top jack connect to wall outlet.
- Bottom jack connects to an optional telephone unit.

8. Return the computer's cover and any holding screws that you may have removed. Also replace any cables that you may have removed. Then turn your system on.

SOFTWARE INSTALLATION

Note: For information on the operation of your communications software, please refer to its documentation.

Driver updates and AT Commands can be found at: www.vikingcomponents.com

For Systems Using Windows 98

After you install your modem, start Windows 98. Windows 98 informs you that a *Modem was found*. Perform the following steps to complete its configuration:

1. The "Add New Hardware Wizard" will be displayed. Click on the "Next" button.
2. You will then receive the message "What do you want Windows to do?" Chose "Search for the best driver for your device." Then click on the "Next" button. **Note: Don't choose, "Display a list ..."**
3. Windows will now search for a new driver. Mark "Specify a Location" and chose the drive letter you have the floppy disk installed.
4. Windows is now ready to install the best driver. Click on the "Next" button.
5. Windows has finished installing the software that your new hardware device requires. Click on the "Finish" button.
6. The modem is now installed, test the modem in control panel, modems, diagnostics, highlight the COM port and select "More info." The modem should respond with a list of AT commands. The installation is now complete.

For Systems Using Windows 95

After you install your modem, start Windows 95. Windows 95 informs you that a *Modem was found*. Perform the following steps to complete its configuration:

1. Choose the option "Drivers From Disk Provided By Hardware Manufacturer" and click "OK."
2. In an available floppy disk drive, insert the modem installation diskette and click "OK."
- Note:** If Windows gives the message: "The Viking Installation Disk is Now Required," change the shown path of "C:\Windows\System" to "A:\" then press "Enter." Windows will now search the floppy disk.
3. When prompted, reboot your computer.
4. The modem is now installed, test the modem in control panel, modems, diagnostics, highlight the COM port and select "More info." The modem should respond with a list of AT commands. The installation is now complete.

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For Systems Using Windows NT 4.0

You will need to have Service Pack 3 installed, before using the following procedure. Service Pack 3 is provided by Microsoft.

1. Power the computer on and log-on into Windows NT as "Administrator."
2. Insert the driver diskette supplied by Viking into a 3.5 inch floppy drive.
3. Close all other open programs. Open my computer and then open the 3.5" floppy drive, usually the (A:) drive. Double click on "Install" icon. Click on the "Setup" button. Then click on the "Next" button.
4. Select "Install new modem driver and components." Then click on the "Next" button.
5. The last screen will ask you if you would like to restart the computer. Click on the "Finish" button to restart the computer. Before the system reboots, be sure to remove the Viking floppy disk.

The installation is now complete.

TESTING THE MODEM WITH HYPER TERMINAL

1. Click on the "Start" button. Then select "Programs/Accessories/Hyper Terminal." Double click the "Hyper Terminal" icon.
2. When asked for a Connection Name, enter "Test." Then click on the "OK" button.
3. When asked for a Phone Number, enter "555" and verify connect using states the Viking modem or 56LP-V. Then click on the "OK" button.
4. Click on the "Dial" button and then press the "ESC" key.
5. Type: Ati3. This is an AT command and the modem will respond with "LT v.90...." Hyper Terminal is now communicating with the PCI modem and it is installed correctly. If there is no response or you are unable to type on the terminal window the modem is not installed correctly.

WARRANTY & DISCLAIMERS

5 YEAR WARRANTY

All Viking Components products have been thoroughly tested free of defects in material and workmanship. If any malfunction should occur while used in its recommended environment, Viking, at its option, will repair or replace this product at no charge, provided the product or any part thereof has not been abused, misused, neglected, replaced, repaired or modified. Viking shall make the final determination as to the existence and cause of any defect. Viking will not repair or replace products designated as having a "Limited Lifetime" which fail solely because their estimated life has expired. No warranty is made with respect to customer products produced to original purchaser specifications except as specifically stated in writing by Viking.

All shipping costs shall be the responsibility of the purchaser. Except as provided herein, there are no express or implied warranties of merchantability or fitness for a particular purpose. Under no circumstances will Viking Components be liable in any way to any purchaser for any damages, including but not limited to lost revenue, lost wage, or any other incidental or consequential damages arising out of the use of or inability to use this product. **Viking reserves the right to make modifications in both hardware and software without prior notifications.**

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COMMUNICATION REGULATIONS

INDUSTRY CANADA (IC) NOTICE:

"NOTICE: The Industry Canada (IC) label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective, operational and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements documents(s). The department does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by a user to this equipment, or equipment malfunctions, may give the telephone communications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection, that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

Caution: Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate."

"NOTICE: The Ringer Equivalence Number (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the device does not exceed 5."

REN: 1.0B

PART 68 REQUIREMENTS:

This equipment complies with Part 68 of the FCC Rules. On this equipment there is a label that contains, among other information, the FCC Registration Number and Ringer Equivalence Number (REN) for this equipment. You must, upon request, provide this information to your telephone company.

This equipment uses RJ11 jack.

An FCC compliant telephone cord and modular plug are provided with this equipment. This equipment is designed to be connected to the telephone network or premises wiring using a compatible modular jack which is Part 68 compliant. See installation instructions for details.

The REN is useful to determine the quantity of devices you may connect to your telephone line and still have all those devices ring when your telephone number is called. In most, but not all areas, the sum of all 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 may connect to your line, as determined by the REN, you should contact your local telephone company to determine the maximum REN for your calling area.

If your telephone equipment causes harm to the telephone network, the telephone company may discontinue your service temporarily. If possible, they will notify you in advance. But if advance notice is not practical, you will be notified as soon as possible. You will be informed of your right to file a complaint with the FCC.

Your telephone company may make 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 give you an opportunity to maintain uninterrupted telephone service.

If you experience trouble with this telephone equipment, please contact Viking Components, Inc., Customer Support at (888) 801-9181 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 provided by the telephone company. Connection to party lines is subject to state tariffs. The Telephone Consumer Protection Act of 1991 makes it unlawful for any person to use a computer or other electronic device, including fax machines, to send any message unless such message clearly contains a margin at the top or bottom of each transmitted page or on the first page of the transmission, the date and time it is sent and an identification of the business or other entity, or other individual sending the message and the telephone number of the sending machine or such business, or entity, or individual. (The telephone number provided may not be a 900 number or any the number for which charges exceeds local or long-distance transmission charges.)

In order to program this information into your fax software, you should complete the steps described in the communications software manual.

CONTACTING VIKING COMPONENTS

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