U.S. Robotics®



Internet Call Modem

Installation Guide For Windows® 95 and 98 Operating Systems

> Model numbers USR5695 & USR325695 Part number 10031128

Before You Begin

Insert the Installation CD included with your modem into your CD-ROM drive. It should run automatically. If it does not, click Windows Start and then click Run. In the "Run" dialog box, type D:\setup.exe. If your CD-ROM drive uses a different letter, type that letter in place of "D."

Follow the onscreen instructions. When you see the prompt to shut down your computer, refer to Step One of this Guide to continue the installation process.

1 Prepare for installation.

Write the modem's serial number in the box below. The serial number is located on the white bar code sticker on the modem and on the modem's box.

NOTE: It is very important that you have your serial number and model number written down for future reference. If you ever need to call our Technical Support department, you will need these numbers to receive assistance.

Make sure that your computer is shut down. Turn off your computer and all peripheral devices. Unplug your computer and remove the computer's cover. If you currently have an internal modem in your computer, remove the telephone cord before removing your computer's cover.



Remove the expansion slot cover.

CAUTION: To avoid the risk of electrical shock, make sure your computer and all peripheral devices are turned off and unplugged. Disconnect all telephone cables from the modem before opening the PC cover.

Unscrew and remove the expansion slot cover at the back of an empty PCI expansion slot. The slot cover is on the back of your computer and covers an opening on your computer's case. The opening lines up with the expansion slot inside the computer, which is 3.5 inches long and usually white plastic lined with metal.

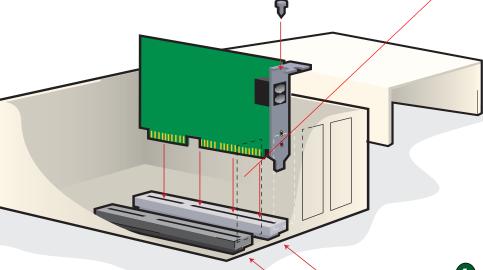


Insert the modem into the empty PCI expansion slot.

Insert the modem, gold edge first, into the PCI slot. The modem will fit snugly. You may need to rock the modem back and forth firmly to properly seat it in the slot.

NOTE: Properly seating this modem in the slot can be difficult, because it requires more force than some other internal modems. Use firm downward pressure. When the modem is properly installed, you will no longer see any part of the gold edge.

The modem's metal bracket will cover the opening on the back of the computer. Secure the modem with the screw you removed in step two. Replace the computer's cover.



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Install the *Connections™* CD.

Remove the Installation CD and insert the Connections TM CD. The Connections CD will start automatically once you have successfully installed your modem. If it does not, click Windows Start and then click Run. In the box, type D:\setup.exe and then click OK to view the CD and to install the fax software. If your CD-ROM drive uses a different letter, type that letter in the place of "D".

Note: If at any time during the installation you are prompted to select the location of your installation drivers, the following are the correct locations on the Installation CD (assumes D: is your CD-ROM drive).

Windows 95/98 drivers: D:\Windows 2000 drivers: D:\Win 2000

Windows NT drivers: Refer to the "Installing Your New Modem in Windows NT" document included with your modem.



Windows installs the drivers and verifies the installation.

ISA expansion slot

PCI expansion slot

Turn your PC on. Windows will detect your modem and install its



Verify the Net2PhoneSM software Installation and register your modem

As part of your modem's installation, the Net2Phone™ software which you will use to make Internet phone calls should also have been installed. The Net2Phone™ software is located on the Installation CD. To verify this has been installed, look in the System Tray (usually in the bottom right hand corner of your screen), and you should see a small icon of the Net2Phone™ logo ⊕. Double-click this icon. This should start up the Net2Phone™ software. If the Net2Phone™ software does not install, refer to the "Troubleshooting" chapter of the printed User's Guide that came with your modem.

When your desktop returns, this would be a good opportunity to register your modern. At the Installation CD interface, click on the 3Com Support link. Follow the onscreen instructions to register your modern and to view the warranty information.



Connect the modem to an analog phone line.

Plug one end of the provided phone cord into the jack on the modern labeled \(\frac{1}{1_{1/2}} \) and plug the other end into an analog phone wall jack.

If you wish to use the speakerphone option, plug your microphone into the modem's jack labeled \bigcirc Plug your powered speakers into the jack labeled \bigcirc P.

The Installation CD includes the electronic User's Guide and Reference for your modern. The Connections™ CD contains a selection of Internet browsers, ISP offers, and other valuable software.

For troubleshooting help or to find out how to contact technical support, see the other side of this Guide.

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Troubleshooting

Having trouble with your modem? Try these basic troubleshooting steps first!

- 1. Make sure that your phone cord is properly connected. Remove the phone cord from the modern and wall jacks. Clean any dirt or corrosion from the cord and jacks. Reinsert the cord securely in the wall jack and the modem's ___ jack. Use the phone cord included with your modem, if possible
- 2. Make sure that your internal modem is physically installed correctly in your computer. You will need to press the modern in firmly so that it is seated properly in its slot. When the modern is installed correctly, you will no longer see any part of the gold edge. See the front of this Guide for complete instructions. If your modern still does not work, with your computer off, remove the modern and reinstall it in another slot if possible

PROBLEM:

The Windows operating system does not recognize my

Possible solution:

You may be using an IRQ that is already in use. To work properly, your modern needs to be assigned to a free IRQ.

Windows 95/98 Operating Systems

If Plug-and-Play fails to install the modem, you need to determine IRQ availability. Right-click the My Computer icon on your desktop. Click Properties, and then the Device Manager tab. Double-click the Computer icon at the top of the device list. You will now see a listing of your system's IRQs and the devices to which they are assigned. If an IRQ is not present in this list, it indicates that Windows is not currently using it, and the IRQ is considered available.

Locate your modem in the list of devices. If a vellow exclamation point appears over the modem's description, your modem is in conflict with another device. Fither your modem or the other device will have to be reinstalled to another IRO in order to resolve your conflict. If a usable, free IRO does not exist, you may need to remove, disable, or relocate another device. Refer to that device's documentation for more information about removing, disabling, or relocating it.

If Windows still fails to recognize your modern and it does not have a yellow exclamation point next to its IRQ, or if your modern doesn't appear in the list, another problem exists, and you may need to call 3Com Technical

Windows NT Operating System

Turn off your computer and physically remove the modern. Restart your computer, and check for an available IRQ by clicking Windows Start, Programs, Administrative Tools, and Windows NT Diagnostics. Click the Resources tab and select IRQ. Take note of an available IRQ that your modem can use. If there are no IRQs available, you may have to remove, disable, or relocate another device in order to free an IRQ for use by your modern. Refer to that device's documentation for more information about removing, disabling, or relocating it.

You may be using a COM port address that is either already in use or not configured correctly. To work properly, this modern needs to be assigned to a free COM po

Operating Systems

Make sure your COM port is not already in use by another device. Click Windows Start, Settings, and Control Panel, and then double-click Modems. Look for another modem already installed in your computer. If there is another modern installed, click the Diagnostics tab to find out which COM portitis using. If a previously installed modem is already using the available COM port, you should uninstall that modern. See your previous modem's manual for uninstallation instructions.

Right-click the My Computer icon on your desktop. Click Properties. Click the Device Manager tab. Double-click Ports. If the Communications Ports have velid w exclamation points or red Xs over them, your COM ports may be configured incorrectly. If this is the case, you may need to contact your computer manufacturer.

Windows NT Operating System

Turn off your computer and remove your modern. Restart and click Windows Start, Settings, and then Control Panel. Double-click the Ports icon. Your modern must be set to a COM port setting that does not appear in this

PROBLEM:

My software isn't recognizing my modem

Possible solution:

Your communications software may not function properly if you have more than one version of the software installed, you are using an older version, or you have more than one communications application installed on your system. We highly recommend using the communications software provided with your modem on the Installation CD-ROM.

Possible solution:

Your software's COM port settings may be incorrect. There should be a place in the Setup section of your software that addresses port settings. Make sure the software's port settings match those for your modern. To check which COM port your modern is using. click Windows Start, Settings, and Control Panel. Double-click Modems, select your modem, and select Properties. Check your communication software's documentation for

Possible solution:

You may not have the correct modern type selected in your software or in Windows, Click on Windows Start, Settings, and Control Panel When Control Panel onens, double-click Modems, You will see a list of installed modems. You can also add, remove, or view the properties of moderns from this window. The U.S. Robotics. modem you have installed should be present in the list of installed modems. If none of the modem descriptions in the list match your U.S. Robotics modern or no moderns are listed, your modern is not installed properly. Try reinstalling your modern.

instructions on adjusting the port settings in your software.

Possible solution:

If you are using Dial-Up Networking, it may not be configured correctly. Check your configuration and make sure you have the correct modern selected. Double-click My Computer, doubleclick Dial-Up Networking, right-click the connection you are trying to use, and click Properties. Make sure that the description in the modem box matches the description of the modem you are using. If it doesn't match, select the proper modern description.

My modem won't dial out or doesn't answer incoming calls.

FOR BOTH DIALING AND ANSWERING PROBLEMS:

Possible solution:

You may have a bad phone cord connection to your modem, or your phone cord may be plugged into the wrong jack. The phone cord should be plugged into the $\hfill\Box$ jack on the modem and into the wall phone jack. Use the phone cord included in your modem's box if possible

You may have devices between the modem and the phone lack There should be no line splitters, fax machines, or other devices between the modem and the wall jack.

OFFICE USERS:

You may have plugged your modem's phone cord into a digital line. Contact the department responsible for your phone system if you are unsure whether or not your phone line is digital.

If your phone system requires dialing "9" to access an outside line, be sure to add "9" before the number you are dialing.

VOICE MAIL USERS:

Possible solution:

If you have voice mail provided by your local phone company your dial tone may be altered when messages are waiting. Retrieve your voice mail to restore your normal dial tone.

My modem sounds like it's trying to connect to another modem but fails.

You may have a poor connection, All calls are routed differently. so try placing the call again.

My modem isn't achieving a 56K* Internet

Note: Due to current FCC regulations on power output, maximum download speed is limited to 53,333 bps.

Our research has shown that the vast majority of telephone lines

in North America can and do support V.90 connections. The V.90 protocol allows for connection speeds of up to 56K, but line conditions may affied the actual speeds during a given connection. Due to take full advantage of V.90 technology at this time. In order to achieve

- The server you're dialing in to must support and provide a digital connections and information on what those connections currently
- The telephone line between your ISP and your modem must be capable of supporting a 56K connection and contain only one analog-to-digital conversion. The 56K signal from your ISP begins as a digital signal. Somewhere between the ISP and your modem, there will be a digital-to-analog signal conversion so that your modem can receive the data. There must be no more than one analog-todigital signal conversion in the path from your ISP to your modern If more than one analog-to-digital conversion occurs, your connect speeds will default to V.34 (33.6 Kbps). There may also be impairments on the local lines between your ISP and your modem. These impairments can prevent or limit V.90 connection speeds. All telephone calls are routed differently, so you should try making your 56K connection several times. One way to test this is to dial into a long distance location. Long distance lines are often much clearer than local lines. It is important to note that telephone companies are constantly upgrading their systems. Lines that do not support 56K today may support 56K in the near future.
- Your modern must be connecting to a V.90/56K server. A pair of 56K modems will not connect to each other at V.90/56K speeds. IMPORTANT! In accordance with the ITU-T standard for 56K transmissions (V.90), this modern is capable of 56 Kbps downloads. However, the download speeds you experience may lower due to varying line conditions and othe factors. Uploads from users to server equipment travel at speeds up to 31.2 Kbps. An analog phone line compatible with the V.90 standard, and an Internet provider or corporate host site compatible with the V.90 standard is necessary for these high speed downloads

Support Resources

Net2PhoneSM Software Support

If you need support on the Net2PhoneSM software that is included with your Internet Call Modem, first refer to the "Troubleshooting" chanter of the printed User's Guide that came with your modem. If you still require assistance, please contact Net2PhoneSt

Customer Service

1 800 438 8879

support@Net2Phone.com

World Wide Web

Contains useful product information, documents, and manuals. Log on to:

http://www.Net2Phone.com

Internet Call Modem Support

If you have not fixed a problem after trying the suggestions in the "Troubleshooting" section, you can receive additional help via one of these convenient resources

World Wide Web

Contains useful product information, documents, and manuals.

http://www.usr.com/support

U.S. Robotics Knowledgebase

A Web-based troubleshooting tool that will help you solve problems you may be having with your modem. Go to

http://www.usr.com/kb

When the page loads, click the **Modems** graphic. Then follow the onscreen directions

Internet FTP ftp://ftp.usr.com

Are You Still Having Problems?

1. Call the Dealer Who Sold You the Moden

The dealer may be able to troubleshoot the problem over the phone or may request that you bring the modern back to the store for service.

2. Call 3Com's Technical Support Department

Technical questions about 3Com moderns can also be answered by technical support specialists

In the United States:

847 262 5151 8:00 am - 6:00 pm CST Monday - Friday.

Automated service is available 24 hours a day, 7 days a week.

8:00 am - 1:0:00 pm CST Monday - Friday
9:00 am - 5:00 pm CST Monday - Friday
9:00 am - 5:00 pm CST Saturday - Sunday
No-Hold line 900.555 USR1

For a no-hold call, a \$2.50 per minute charge (price subject to change without notice) will appear on your local phone bill. You must be 18 or older or have parental permission. (Service available in the U.S. only.)

In Canada:

Keating Technologies
905.4790231

Reading Technologies
905.4790231

Readin V.90 signal. Your ISP can provide you with a list of dial-up change without notice) will appear on your local phone bill. You some

8:00 am - 8:00 pm EST Monday - Friday

Manufacturer's Declaration of Conformity

Rolling Meadows, IL 60008

Telephone: 847 262 5000

We declare under our sole responsibility that the **Internet Call Modem** is in conformity with the following standards or other normative documents:

Federal Communications Commission 47 CFR Part 15, Subpart B ANSI C63.4-1992 Test Procedure 15.107 (e) Class B Conducted Emissions Limits 15.109 (g) Class B Radiated Emissions Limits

To the typ cease is required emissions Limits
Federal Communications Commission CFF Part 68
Analog Terminal Equipment – refer to bottom of unit
Registration No. and REN data – refer to bottom of u
This equipment uses RJ-11C USOC Jacks
For Industry Canada dustry Canada ICES-003 Class B Emissions Limits

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two

FCC Notice: Radio and Television Interference Note: This equipment has been lested and bund to comply with the limits for a Class B digital device, prussant to Part 15 of the FCC Ruse. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can raddle radio Requirely energy and, if not installed and used in accordance with the instructions, may make the property of the processing of the property of the p raddle radio frequency energy and, find installed and used in accordance with the instructions, may represent the control of the control of

connected Consult the dealer or an experienced radio/TV technician for help.

The user may find the following information prepared by the Federal Communications Commission helpful: The CIB Interference Handbook and The CIB Telephone Interference Bulletin.

These documents are available through the Internet through the FCC Compliance and Interference Bureau Home Page at http://www.fcc.gov/cib listed under docu Handbook or CIB Telephone Interference Bulletin.

The user is cautioned that any changes or modifications not expressly approved by the party responsible

using a Part 68 compliant compatible is a standard analog line and not a company will notify you in advance

Néscrivent les udoucles pa que du la satisfaction de l'utilisateur.

Avant d'installer ce matériel, l'utilisateur doit s'assurer qu'il est permis de le raccorder aux installations de l'entreparte d'installer ce matériel, l'utilisateur doit s'assurer qu'il est permis de le raccorder aux installations de l'entreparte d'installer ce matériel, l'utilisateur doit s'assurer qu'il est permis de le raccorder aux installations de l'entreparte d'installer en suivant une méthode acceptér Avant d'installer ce matérief, Utilisateur doit s'assure qu'il est permis de le raccorder aux installations de l'entreprise locale de félécemiumication. Le matériel doit également être installé en suivant une méthode acceptée de raccordement. L'alcorné ne doit pas oublier qu'il est possible que la conformité aux conditions éroncées cidessus les s'expansaines matériel homologies d'overté être condomnées par un représentant désigne par les fournaiseux. L'entreprise de léécommunications peut demandre à r'utilisateur de débrancher un appareil a suite de réparations ou de modifications d'entrébusée pur l'utilisateur ou à cause de mauvais froctionnement à la suite de réparations ou de modifications d'entrébusée pur l'utilisateur ou à cause de mauvais froctionnement à la suite de réparations ou de modifications deflicates pur l'utilisateur ou à cause de mauvais froctionnement à la suite de réparations ou de modifications des étables pur l'utilisateur ou à cause de mauvais froctionnement à la suite de réparations ou de modifications des étables par l'utilisateur ou à cause de mauvais froctionnement à la suite de réparations ou de modification des décharges de l'entre de l'entre de l'étables pur l'utilisateur ou à cause de mauvais froctionnement à la suite de réparations ou de modification de matérie modifications de l'entre de l'entre de l'entre de l'étables pur l'entre de l'étables pur l'utilisateur de des l'entre de l'étables pur l'utilisateur de des l'entre de l'étables pur l'étables pur l'entre de l'étables pur l'étables pur l'entre de l'étables pur l'étables

Centre de guarantie et de service après-vente:

Keating Technologies 25 Royal Crest Court, Suite 120 Markham, ONT L3R 9X4

ALTERVANE 3Com warrants to the end user ("Customer") that this hardware product will be free from defects in workmanship and materials, under normal use and service, for the following length of time from the date of purchase from 3Com or its authorized reseller:

Five (5) years

SCorin sole obligation under this express warranty shall be, at 3Corin solton and expense, to repair the effective product or part devire for closterine an equivalent product or part to replace the defective lem or if neither of the two foregoing options is reasonably available. 3Corin may, in its sole discretion, refund to Customer the purchase price paid for the defective product. All products that are replaced will become the property of 3Corin. Replacement products may be new or reconditioned. 3Corin warrants any replaced or repaired product or part for minety (globay from stapieners, or the remainder of the intella warranty period.

SOFTWARE: 3Com warrants to Customer that each software program licensed from it will perform in SOFTWARE: 3 Com warrants to Customer that each software program licensed from it will perform in substantial commence to list program specifications, for a period or inner (90) digals from the date of purchase from 3 Commence or list programs and substantial containing software against failure during the warranty period. No updates are provided. 3 Commissed colligation under this express warranty she at 3 Commence or 1 Commence representation that its software products will meet Customer's requirements or work in combination with any hardware or applications software products provided by third parties, that the operation of the software products will be uninterrupted or error free, or that all defects in the software products will be corrected. For any third-party products listed in the 3Com software product documentation or specifications as being compatible, 3Com will make reasonable efforts to provide compatibility except where the noncompatibility is caused by a 'bug' or defect in the third party's product or from use of the software product not in accordance with 3Com's published specifications or User Guide.

THIS 3COM PRODUCT MAY INCLUDE OR BE BUNDLED WITH THIRD-PARTY SOFTWARE. THE USE OF WHICH IS GOVERNED BY A SEPARATE END-USER LICENSE AGREEMENT. THIS 3COM WARRANTY DOES NOT APPLY TO SLICH THIRD-PARTY SOFTWARF. FOR THE APPLICABLE WARRANTY, PLEASE REFER TO THE END-USER LICENSE AGREEMENT GOVERNING THE USE OF

YEAR 2000 WARRANTY: In addition to the Warranty stated above, 3Com warrants that each product sold or licensed to Customer on and after January 1, 1988 that is date sensitive will continue perform-ting properly with regard to such date data on and after January 1, 2000, provided that all other products used by Customer in connection or combination with the 3Com product, including hard-The uses authority of parties for modifications not expressly approved by the party responsible for complaince could visible users a sufficiently to persist the equipment.

Part 68.
This equipment complies with FCC Rules Part 68. Located on the bottom of the modern is the FCR Registration Number and Ringer Equivalence Number (REIN) You must provide this information to the telephone company if requested.

The REIN is used to determine the number of devices you may legally connect by your belieghone ten.

The REIN is used to determine the number of devices you may legally connect by your belieghone ten.

This equipment uses the following USOC jacks: R111C.

The equipment uses the following USOC jacks: R111C.

This equipment uses the following

In The United States: USO# Attn. Dock 15 PCD 1800 W. Central Ave.

Mt. Prospect, IL 60056 In Canada: Keating Technologies 25 Royal Crest Court, Suite 120 Markham, ONT L3R 9X4

3Com shall not be responsible for any software, firmware, information, or memory data of Customs contained in, stored on, or integrated with any products returned to 3Com for repair, whether under warranty or not.

WARRANTIES EXCLUSIVE: IF A 3COM PRODUCT DOES NOT OPERATE AS WARRANTED ABOVE CUSTOMER'S SOLE REMEDY FOR BREACH OF THAT WARRANT'S SHALL BE REPAIR, REPLACE MENT, OR REFUND OF THE PURCHASE PRICE PAID, AT 3COM'S OPTION. TO THE FULL EXTENT ALLOWED BY LAW, THE FOREGOING WARRANTIES AND REMDIES ARE EXCLUSIVE AND ARE IN LEU OF ALL OTHER WARRANTIES, TERMS, OR CONDITIONS, EXPRESS OR MIPLIEL, ETHER IN LIEU OF ALL OTHER WARKHAM ITES, TEMBS, OF CONDITIONS, EXPRESS OR IMPLIED, ET HER FACT OR BY OPERATION OF LAW STATUTORY OR OTHERWISE, INCLUDING WARRANTIES, TERMS OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE. STATES TORY QUALITY, CORRESPONDENCE WITH DESCRIPTION, AND NON-INFRINGEMENT, ALL OI WHICH ARE EXPRESSLY DISCLAIMED, 3COM NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LABILITY IN CONNECTION WITH THE SALE, INSTALLA PERSON TO ASSUME FOR IT MAY OTHER LIABILITY IN CONNECTION WITH THE SALE, INSTALLA-TION, MAINTENANCE OR USE OF ITS PRODUCTS, 3 COM SHALL NOT BE LIABLE UNDER THIS WARRANTY IF ITS TESTING AND EXAMINATION DISCLOSE THAT THE ALLEGED DEFECT OR FUNCTION IN THE PRODUCT DOES NOT EXIST OR WAS CAUSED BY CUSTOMER'S OR ANY THIRDPERSON'S MISUSE. NEGLECT, IMPROPER INSTALLATION OR TESTING, UNAUTHORIZED ATTEMPTS TO OPEN, REPAIR OR MODIETY THE PRODUCT, OR ANY OTHER CAUSE BEYOND THE atle providers of operator services

RANGE OF THE INTENDED USE, OR BY ACCIDENT, FIRE, LIGHTNING, OTHER HAZARDS, OI ACTS OF GOD.

LIMITATION OF LIABILITY: TO THE FULL EXTENT ALLOWED BY LAW, 3COM ALSO EXCLUDES FOR TISEL RAND ITS SUPPLIERS ANY LIABILITY, WHETHER BASED IN CONTRACT OR TORT (INCLUDING MEGILGIENCE), FOR INCIDENTAL, CONSECUENTIAL, INDIRECT, SPECIAL, OR PUBLINES AGES OF ANY KIND, OR FOR LOSS OF EXPENDE OR PROFITS, LOSS OF BUSINESS, LOSS INFORMATION OR DATA, OR OTHER FINANCIAL LOSS ARRISING OUT OF OR IN CONNECTION WITH ALES OF ANY KIND, OR FOR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION CROATA ON CONTREP. INAUGACIAL COSARSHING OUT FOR NO CONNECTION WITH PROPERTY OF THE PROPERTY OF THE