

ADSL Half-Bridge Modem Quick Start

Your ADSL half-bridge modem comes with a power cube, Ethernet cable, phone cord, ADSL micro-filter, and software CD.

To complete the installation, you need the following:

- An ADSL-enabled telephone wall jack to plug the half-bridge modem into.
- A Windows XP/2000/Me/98 computer that has an Ethernet port. This is used to install the modem's software and to configure the modem.

When the installation is complete, the half-bridge modem will connect to an ADSL-enabled phone jack and to a Windows computer or router.

Installing the Modem Software

- 1** Do not plug the modem into your computer or router. You need to install the software first.
- 2** Turn on your Windows computer.
- 3** Insert the supplied CD into the CD drive of your computer. The CD should start automatically and the **Language Selection** screen should appear. Select your language. (If the CD does not start automatically, on the desktop, click the **Start** button, click **Run**, and then type **D:\setup.exe**, where **D** is the letter of your CD drive.)
- 4** From the **Main Menu**, click **Installation Wizard** then **ADSL Half-Bridge Modem**. The software installation will begin. Follow the prompts.
- 5** When the installation is complete, click **Finish** then click **Exit**.
- 6** Remove the CD from your CD drive then shut down the computer.

Congratulations! You have installed the software. Continue with **Installing the Hardware**.

Installing the Hardware

- 1** Shut down your computer.
- 2** Plug the included ADSL micro-filter into an ADSL-enabled phone jack. Then plug the modem's phone cord from the modem's **ADSL** jack to the modem jack of the micro-filter. If you'd like you can plug a phone into the **PHONE** jack of the micro-filter.
- 3** Plug one end of the supplied Ethernet cable into the modem's **ETHERNET** port and plug the other end into your computer's Ethernet port.
- 4** Plug the modem's power cube into (**PWR**) jack and the other end into a "live" power strip or wall outlet.
- 5** Turn the modem on with its **ON/OFF** button. The **PWR** light on the front panel of the modem will become solid, and the **LINK** light will blink once.
- 6** Turn the computer on.

Congratulations! You have installed the hardware. Now continue with **Getting Connected**.

Getting Connected

You're now ready to connect your modem with your Internet service.

- 1** Log into the **Zoom Configuration Manager**:
 - a** On your desktop, double-click the **Zoom** icon. (If the Zoom icon is not there, open your web browser and type **http://10.0.0.2** in the address bar. Then press **Enter**.)
 - b** In the **Enter Network Password** dialog box type **admin** for the username and **zoomadsl** for the password. (Use lowercase letters.)
- 2** The **Basic Setup** page will appear. Choose the following:
 - a** Select **Enabled**.
 - b** Select **PPPoE** or **PPPoA** depending on the setting your service provider gave you.
 - c** In the **VPI** text box, type **0**.
 - d** In the **VCI** text box, type **38**.
 - e** In the **Username** and **Password** text boxes, type the username and password your service provider gave you.
 - f** Click the **Save Changes** button, then click **Write Settings to Flash**.
- 3** Your modem is connected to a Windows computer. If you want to use the modem with a router, and the computers connected to that router, unplug the modem's Ethernet cable from your computer and plug it into the **WAN** port of your router. The router needs to be in DHCP mode, which is the way it is normally set up when you first install it.

Congratulations! Your installation and setup are complete. You are ready to browse the Web from a computer connected directly to the modem, or from a computer connected to the modem through a router. Open your browser and go to a familiar Web site.

- If you are unable to access the Web, wait a few minutes and try again. Your modem may need more time to connect with your Internet service. If you are still unable to connect after a few minutes, refer to **Troubleshooting Tips** on page 4.
- We recommend that you install an ADSL filter on every phone and fax that is sharing the ADSL phone line. Otherwise, these devices won't work properly and will interfere with your ADSL connection when they're off-hook.

Using the Advanced Options

Your modem provides several advanced options that you may find useful. Using the options, you can monitor your ADSL connection, check your system status, change the password of the **Zoom Configuration Manager**, and restore the modem to its factory settings.

Checking the ADSL Status Page

You can use the **ADSL Status** page when you want to:

- Verify whether your ADSL connection is active (if connected, the **ADSL Status** setting will display **Showtime**.)

- Monitor how fast the modem is transferring data (**Downstream Speed** and **Upstream Speed**).

To view the **ADSL Status** page, log into the **Zoom Configuration Manager** (please see step 1 on page 2). Then click the **ADSL Status** icon at the top of the page.

Checking the System Status Page

You can use the **System Status** page when you want to:

- Check how long it has been since you last rebooted the modem (**Up time setting**)
- View your **WAN** and **LAN** settings

To view the **System Status** page, log into the **Zoom Configuration Manager** (please see step 1 on page 2). Then click the **System Status** icon at the top of the page.

Changing the Password of the Zoom Configuration Manager

- 1** To change the password, log into the **Zoom Configuration Manager** (please see step 1 on page 2). Then click the **Advanced Setup** icon at the top of the page.
- 2** Click the **User Configuration** button located in the **Administration** group on the **Advanced Setup** page.
- 3** On the **User Configuration** page, locate the row that contains the **admin** username.
- 4** Click the pencil icon at the right end of the row to open the **User Config – Modify** screen.
- 5** In the **Old Password** box, enter **zoomadsl** in lowercase letters.
- 6** In the **New Password** box, enter the new password you would like to use. The password is case sensitive and cannot exceed 128 characters.
- 7** In the **Confirm Password** box, enter the new password again to confirm it.
- 8** Click **Save Changes**. A message appears to let you know that the password has been changed. Click **Close** to return to the **User Configuration** page.
- 9** Click **Write Settings to Flash**.

Restoring Factory Settings

If you have changed the system settings on your modem and want to restore them to the factory settings, you can do so in one of two ways: You can perform a **software reset** or a **hard reset**.

Doing a Software Reset

- 1** Log into the **Zoom Configuration Manager** (please see step 1 on page 2). Then click the **Advanced Setup** icon at the top of the page.
- 2** In the **Administration** section, click the **Reboot** button.
- 3** From the **Reboot Mode** drop-down list, select **Reboot From Default Configuration**.
- 4** Click the **Reboot** button. When this process completes, your unit will be restored to its factory settings.

Doing a Hard Reset

- 1** Insert a paper clip into the **RESET** pinhole located on the back of the modem.
- 2** Hold it there for five seconds. The unit's **LINK** light will turn off and then it will blink slowly, about once per second.
- 3** When the **LINK** light stays solid, your modem will be restored to its factory settings.

Troubleshooting Tips

If your modem has a problem, please consider the solutions below.

Problem

My modem's **LINK** light is solidly lit, but I cannot connect to the Internet.

Solution

Check these items:

- Verify that your service provider has turned on your ADSL service. (If you're not sure, you can place a call to your service provider's customer support to verify this.)
- Your modem may not have connected to your Internet service. Turn off the modem, and then turn it back on and wait a few minutes for the browser to work.
- Ensure that you have typed your ADSL username and password correctly. (**Note:** This is the username and password supplied by your service provider. It is not the username and password you used to log into the **Zoom Configuration Manager** on page 2.)

Problem

My modem's **LINK** light continually blinks and does not stay solidly lit.

Solution

Check these items:

- Check your connections. (Please see page 1 **Installing the Hardware**.)
- Verify that the modem is connected to a jack with ADSL service.
- Your phone cord may be defective. Try a different phone cord.
- You should install an ADSL filter on each phone and fax machine using the same phone line as the modem. Otherwise, these devices will not work properly and will interfere with your ADSL connection when they're off-hook.

If You Need Help

If you need assistance, you should consider contacting your service provider.

We encourage you to register your product and to notice the many support options available from Zoom.

- Please go to www.zoom.com and select **Technical Support**. From here you can **register your modem** and/or **contact our technical support experts** and/or use our intelligent database **SmartFacts**sm and/or get **warranty** information.

- From time to time, Zoom may release new firmware along with upgrade instructions. These are available at www.zoom.com. We recommend that you check our Web site periodically for updates.

Regulatory Information

U.S. FCC Part 68 Statement

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. The unit bears a label on the back which contains among other information a product identifier in the format US:AAAEQ##TXXXX. If requested, this number must be provided to the telephone company.

This equipment uses the following standard jack types for network connection: RJ11C.

This equipment contains an FCC compliant modular jack. It is designed to be connected to the telephone network or premises wiring using compatible modular plugs and cabling which comply with the requirements of FCC Part 68 rules.

The Ringer Equivalence Number, or REN, is used to determine the number of devices which may be connected to the telephone line. An excessive REN may cause the equipment to not ring in response to an incoming call. In most areas, the sum of the RENs of all equipment on a line should not exceed five (5.0).

In the unlikely event that this equipment causes harm to the telephone network, the telephone company can temporarily disconnect your service. The telephone company will try to warn you in advance of any such disconnection, but if advance notice isn't practical, it may disconnect the service first and notify you as soon as possible afterwards. In the event such a disconnection is deemed necessary, you will be advised of your right to file a complaint with the FCC.

From time to time, the telephone company may make changes in its facilities, equipment, or operations which could affect the operation of this equipment. If this occurs, the telephone company is required to provide you with advance notice so you can make the modifications necessary to obtain uninterrupted service.

There are no user serviceable components within this equipment. See Warranty flyer for repair or warranty information.

It shall be unlawful for any person within the United States to use a computer or other electronic device to send any message via a telephone facsimile unless such message clearly contains, in 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, other entity, or individual sending the message and the telephone number of the sending machine or of such business, other entity, or individual. The telephone number provided may not be a 900 number or any other number for which charges exceed local or long distance transmission charges. Telephone facsimile machines manufactured on and after December 20, 1992, must clearly mark such identifying information on each transmitted message. Facsimile modem boards manufactured on and after December 13, 1995, must comply with the requirements of this section.

This equipment cannot be used on public coin phone service provided by the telephone company. Connection to Party Line Service is subject to state tariffs. Contact your state public utility commission, public service commission, or corporation commission for more information.

U.S. FCC Part 15 Emissions Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Industry Canada Emissions Statement

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations. Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Industry Canada CS03 Statement

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

Before installing the 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 concern. 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 the user to this equipment, or equipment malfunctions, may give the telecommunications 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 devices does not exceed 5.

Electrostatic Discharge Statement

The unit may require resetting after a severe electrostatic discharge event.

Safety Notices

CAUTION:

To reduce the risk of fire, use only No.26 AWG or larger UL Listed or CSA Certified Telecommunication Line Cord.

If you do not use the supplied phone cord, use an equivalent of minimum AWG 26 or larger line cord.

Do not use this product near water, for example, in a wet basement or near a swimming pool.

Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.

Declaration of Conformity



Declaration of Conformity
Conformiteitsverklaring van de EU
Konformitätserklärung
Dichiarazione di conformità
Declaração de Conformidade
Konformitätsdeklaration
Cam kết về sự tuân thủ ở Châu Âu

Overensstemmelseserklæring
Déclaration de conformité
Δήλωση Συμμόρφωσης
Deklaracja zgodności
Declaración de conformidad

Manufacturer/Producent/Fabrikant/ Constructeur/Hersteller/Κατασκευαστής/Fabbricante/ Fabricante/Tilverkare/Nhà sản xuất	Zoom Technologies, Inc. 207 South Street Boston, MA 02111 USA 617-423-1072 www.zoom.com
Brand/Varemærke/Merk/Marque/Marke/Mάρκα/ Marchio/Marka/Marca/ Thương hiệu	Zoom ADSL/2/2+ Ethernet X3 or DUO X4 Modem Router
Type/Typ/Mάρκα/Tipo/Kiểu mẫu	Series 0226, ADSL-only Models 5515A, 5551A, 5560A, 5558A, 5559A; and also ADLS/2/2+ Models 5651, 5660, 5615, 1640, 1645, 1650

The manufacturer declares under sole responsibility that this equipment is compliant to Directive 1999/5/EC via the following. This product is CE marked.

Producenten erklærer under eneansvar, at dette udstyr er i overensstemmelse med direktivet 1999/5/EC via følgende. Dette produkt er CE-mærket.

De fabrikant verklaart geheel onder eigen verantwoordelijkheid dat deze apparatuur voldoet aan Richtlijn 1999/5/EC op grond van het onderstaande. Dit product is voorzien van de CE-markering.

Le constructeur déclare sous son entière responsabilité que ce matériel est conforme à la Directive 1999/5/EC via les documents ci-dessous. Ce produit a reçu le marquage CE.

Hiermit erklärt Zoom die Übereinstimmung des Gerätes modem mit den grundlegenden Anforderungen und den anderen relevanten Festlegungen der Richtlinie 1999/5/EC. Dieses Produkt ist das gekennzeichnete CE.

O κατασκευαστής δηλώνει με αποκλειστική του ευθύνη ότι αυτό το προϊόν συμμορφώνεται με την Οδηγία 1999/5/EC μέσω των παρακάτω. Αυτό το προϊόν φέρει τη Σήμανση CE.

Il fornitore dichiara sotto la sola responsabilità che questa apparecchiatura è compliant a 1999/5/EC direttivo via quanto segue. Questo prodotto è CE contrassegnato.

Producent stwierdza że to urządzenie zostało wyprodukowane zgodnie z Dyrektywą 1999/5/EC. Jest to potwierdzone poprzez umieszczenie znaku CE na urządzeniu.

O fabricante declara sob sua exclusiva responsabilidade que este equipamento está em conformidade com a Directiva 1999/5/EC através do seguinte. Este produto possui Marcação CE.

El fabricante declara bajo su exclusiva responsabilidad que este equipo satisface la Directiva 1999/5/EC por medio de lo siguiente. Este producto tiene marca CE.

Nhà sản xuất cam kết với trách nhiệm của mình là thiết bị này tuân theo Hướng dẫn 1999/5/EC thông qua các mục sau. Sản phẩm này được đánh dấu là CE.

73/23/EEC – LVD	EN60950-1:2001
89/336/EEC – EMC	EN55022:1998+A1, 2000+A2, 2003 EN55024:1998+A1, 2001+A2, 2003

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