ZOOM ADSL X6

Quick Start

**This Quick Start tells you how to install your X6 with a Windows®
PC. Detailed information and installation instructions for
Macintosh and Linux are in the User Guide on the CD. The X6
requires that you have ADSL service, which is usually called DSL
in the USA.**

1   **Turn on the Windows computer that you will use for
    setup**. This can be any Windows Vista™, XP, 2000, Me or
    98 computer with an available Ethernet port.

> **For Windows Vista only:** You must follow these steps to turn on
> Telnet Client:
>
> **a** Click **Start,** select **Control Panel,** then double-click **Programs and
> Features**.
>
> **b** In **Programs and Features**, in the **Tasks** pane, click **Turn
> Windows features
>   on or off**.
>
> **c** At the **User Account Control** message, click **Continue**.
>
> **d** In the **Windows Features** dialog box, select **Telnet Client,** click
> **OK**, and wait
>   while the feature is configured.
>
> **e** In the **Uninstall or Change a Program** window, click the **Close** box
> to exit.

2   **Close any open programs**, including any antivirus software
    or pop-up blockers.

3   **Insert the supplied CD into the CD drive of your
    computer.** The CD should start automatically. (If the CD
    does not start automatically, click the Windows **Start** button,
    click **Run**, and then type **E:\setup.exe**, where **E** is the letter
    of your CD drive.)

4   **Follow the on-screen prompts for the Install Assistant**.

Congratulations! Your installation is complete.

To test your installation, open your browser and go to a familiar
Web site. If your browser works, installation is complete for the
computer you used for setup. If you'd like, you can also connect
other computers to the X6, as discussed on the next page. If your
browser doesn't work, see the Troubleshooting Tips on page 3.

Note: At this point, if you haven't already done so, we recommend that you **put an ADSL filter on every phone** connected to the ADSL phone line. **DO NOT** put a filter between the X6 and the wall jack that it is connected to. (In some countries, including the UK, a splitter is supplied with the X6. The PHONE line plug of the splitter plugs into the wall jack that has ADSL service, and the X6 plugs into the splitter's MODEM jack, which is not filtered. The PHONE jack, for an optional telephone, is filtered.)

Connecting Additional Computers to the X6

You can connect other computers to the X6 two ways. You can use a **wired connection** by plugging an Ethernet cable between the Ethernet port of your computer (or game station) and any one of the X6's four Ethernet (LAN) ports, or you can establish a **wireless connection** from another computer that has Wireless-B or Wireless-G capability.

Wired Ethernet Connection

1 **Shut down** the computer or game station that you want to connect to the X6.

2 **Plug an Ethernet cable** into one of the X6's **LAN** ports and then into the Ethernet port of the computer or game station. Then turn on the computer or game station.

3 **Open your Web browser** and try to connect to a familiar Web address.

Wireless Connection

First you should determine whether the computer that you want to connect has built-in wireless capability. Most current notebooks and laptops do; most desktops don't.

If your computer has built-in wireless capability

It's easy to find out if your computer has wireless capability. If it does, your computer will connect automatically to the X6 network. Just turn it on and the message **Wireless network detected. Click here for available networks** will appear in the task bar in the lower right hand corner of your screen. Click the message box and select **zoom**. Then open your Web browser and go to a familiar web site.

If you don't get this message and want to check for wireless capability, right-click **My Computer** and select **Properties**. Click **Hardware**, then the **Device Manager** button. Look for **Network Adapter** and click the plus (**+**) sign. If your computer has a built-in wireless device, you'll see **wireless** in the list of devices – for example, **Ethernet wireless adapter**. If a wireless network device isn't listed, your computer most likely does not have built-in wireless capability.

If your computer doesn't have built-in wireless capability

If you want wireless capability, you will need to install a wireless adapter such as a USB or PCI Adapter. For a notebook or laptop you can also use a PC Card adapter.

1 See the instructions that came with your adapter and install it on your computer.

2 Using the configuration application (sometimes called a Configuration Monitor or Manager, or Utility) that came with the adapter, do a site survey or scan to find available networks in your area. (Many configuration manager applications have a Scan button, Scan Network tab or something similar to help you find an available network.)

3 When you do the scan, you will see a list of networks identified by an SSID (Service Set Identifier). Select the **Zoom** SSID. This is the SSID of the X6 wireless network that you want to use to connect to the Internet.

4 Once connected, open your Web browser and try to connect to a familiar Web address.

Setting Up Wireless Security

We recommend that you wait until your X6 *and* any other computers are connected to the network *before* setting up security. To set up security for your network, the X6 supports WPA2, WPA, or WEP. Please see the User Guide on the CD for setup

instructions. **You will need to know** that **admin** is the User Name and **zoomadsl** is the Password (in lowercase letters).

Setting Advanced Features

The options that are set by default when your X6 is installed are sufficient for most users. However, those who want or need to change the X6's settings can do so using the **Advanced Setup** page. To open this page, you first log in to the **Zoom Configuration Manager**:

1 Open your Web browser. Type **10.0.0.2** in the address bar then press **Enter**.

2 In the login box, type **admin** for User Name and **zoomadsl** for Password in lowercase letters.

3 Click the **Advanced Setup** button at the top of the page. Click a button to choose a feature.

For more information about using the Advanced features, please see the User Guide on the CD,

Troubleshooting Tips

Problem
My X6's **LINK** light is solidly lit, but my computer cannot connect to the Internet.

Check these items:

- If you are using an Ethernet port, check that the X6's LAN light is on. If the light is not on, reboot your computer. If the light is still not on, check that a working Ethernet cable connects from the X6's Ethernet port to an Ethernet port of your computer.
- Ensure that you have typed your ADSL username and password correctly. To check your username and password, insert the CD and run the **Install Assistant** again.

Problem
My X6's **LINK** light continually blinks and does not stay solidly lit.

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 X6 may not have connected to your Internet service. Turn off the X6, and then turn it back on and wait a few minutes for the browser to work. Check your connections.
- Verify that the X6 is connected to a jack with ADSL service. Also, make sure there isn't a phone filter between the X6 and the wall jack that the X6 is connected to.
- Your phone cord may be defective. Try a different phone cord.

If You Need Help

Zoom is ready to help. Please go to **www.zoom.com** and select **Technical Support**. From here you can **register your X6** and/or **contact our technical support experts** and/or use our intelligent database **SmartFacts**[tm] and/or get **warranty** information.

If you choose to call a Zoom technician, the appropriate number depends on your country:
US: (561) 241-7170
UK: 0870 720 0090
Other (US number) (561) 997-9683

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 warrantee 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

IMPORTANT NOTE: FCC Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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 Notice to Users (Industry Canada Statement)

Operation is subject to the following two conditions:

(1)This device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Industry Canada CS03 Statement

NOTICE: This equipment meets the applicable Industry Canada Terminal Equipment Technical Specifications. This is confirmed by the registration number. The abbreviation, IC, before the registration number signifies that registration was performed based on a Declaration of Conformity indicating that Industry Canada technical specifications were met. It does not imply that Industry Canada approved the equipment.

The Ringer Equivalence Number (REN) for this terminal equipment is identified on the bottom label of the equipment. The REN assigned to each terminal equipment 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 five.

AVIS : Le présent matériel est conforme aux spécifications techniques d'Industrie Canada applicables au matériel terminal. Cette conformité est confirmée par le numéro d'enregistrement. Le sigle IC, placé devant le numéro d'enregistrement, signifie que l'enregistrement s'est effectué conformément à une déclaration de conformité et indique que les spécifications techniques d'Industrie Canada ont été respectées. Il n'implique pas qu'Industrie Canada a approuvé le matériel.

L'indice d'équivalence de la sonnerie (IES) du présent matériel est montré sur l'étiquette inférieure du produit. L'IES assigné à chaque dispositif terminal indique le nombre maximal de terminaux qui

peuvent être raccordés à une interface téléphonique. La terminaison d'une interface peut consister en une combinaison quelconque de dispositifs, à la seule condition que la somme d'indices d'équivalence de la sonnerie de tous les dispositifs n'excède pas 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 the supplied phone cord or a No.26 AWG or larger UL Listed or CSA Certified Telecommunication 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	**Overensstemmelseserklæring**
Conformiteitsverklaring van de EU	**Déclaration de conformité**
Konformitätserklärung	**Δήλωση Συμμόρφωσης**
Dichiarazione di conformità	**Deklaracja zgodnoṣ ci**
Declaração de Conformidade	**Declaración de conformidad**
Konformitetsdeklaration	**Cam kết về sự tuân thủ ở Châu Âu**

Manufacturer/Producent/Fabrikant/ Constructeur/Hersteller/Κατασκευαστής/Fabbric ante/ Fabricante/Tillverkare/Nhà sản xuất	**Zoom Technologies, Inc. 207 South Street Boston, MA 02111 USA / 617-423-1072 www.zoom.com**
Brand/Varemærke/Merk/Marque/Marke/Μάρκα/ Marchio/Marka/Marca/ Thương hiệu	**Zoom DSL/ADSL X6 Wireless Modem**
Type/Typ/Μάρκα/Tipo/Kiểu mẫu	**Series 1058 Models 5590C, 5591C**

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.

Ο 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	EN301 489-1 V1.4.1: 2002
	EN301 489-17 V1.2.1: 2002
	EN55022-1998/A1: 2000 Class B/A2:2003
	EN55024:1998/A1: 2001/A2: 2003
1999/5/EC	EN300 328 v1.6.1: 2004

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Andy Pollock
2 December, 2009
1058/TF, Boston, MA, USA

Director, Hardware Engineering/Direktør, Hardware Engineering/Director, Sustaining Engineering /Directeur, ingénierie de soutien/Direktør, Sustaining Engineering /Διευθυντής, Μηχανικής Διατήρησης /Direttore, Hardware Engineering /Dyrektor, Inżynieria ciągła/Director, Engenharia de Manutençã /Director, Ingeniería de apoyo/Giám Đốc Kỹ thuật Phần cứng