



14.4 3G+ USB MODEM QUICK START

This Quick Start describes how to install and use the Zoom 3G USB Modem with a 3G router, a computer with Windows® 7, Vista (SP1 and above), or XP (SP2 and above); and with a Macintosh® computer with OS X 10.5 or above. More detailed information can be found in the User Manual.

Connecting to the Internet

To connect to the Internet with your new modem, you must:

- 1 Sign up for a mobile broadband service plan.
- 2 Slide the service provider's SIM card into your modem.
- 3 Install the modem on your computer or 3G router and make an Internet connection.

Step 1: Sign Up for a Mobile Broadband Service Plan

Most countries have one or more GSM service providers who offer mobile broadband service. When you sign up for service, you will get a SIM card to slide into your modem. As you travel, you may save money and get better coverage by using different service providers for different countries or regions. Wherever you are, just make sure that you slide in the SIM for the service provider you want to use. You should select a GSM service provider who uses at least one of this modem's GSM frequencies, ideally 900 or 2100 MHz since these are used with the modem's highest speeds.

Step 2: Slide the Service Provider's SIM Card into Your Modem

To slide the SIM card into your modem, please follow these steps:

- 1 Hold the modem with the text facing you and remove the cap by pulling it away from the unit. The USB connector is now exposed.

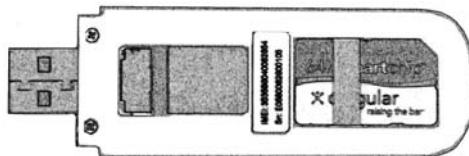


- 2 Turn the modem over and slide the back panel cover to the right and carefully lift and remove the back panel cover to expose the SIM and microSD slots. (The modem supports standard microSD memory cards with up to 16 GB storage capacity.)

Note: Write down the IMEI number and serial number (Sn) from the label after you've removed the cover as described above. Bring this information with you when you are getting the SIM card.



- 3 Hold the SIM card with its angled edge at upper right, then carefully slide the card under the bar on the open panel until the bottom of the card rests against the lower groove. Do not push the card beyond the lower groove.



- 4 Replace the back panel cover. In doing that, first put the small tab on the bottom of the cover into the modem's slot, with the cover almost flush with the modem. Then slide the cover toward the silver-colored USB connector.

Step 3: Install the Modem on Your Computer or 3G Router, and Make an Internet Connection

If you are using the modem with a computer, please go to the appropriate section for Windows or Macintosh computers.

If you are using the modem with a 3G router, simply plug the modem into the USB port of the router. Then power up the router. If the router is compatible with the modem, it should work automatically if you're in an area where your Internet service is available. The modem's LED will stay green when it's online.

Zoom has 3G routers that let you share your 3G USB modem connection with WiFi®-compatible computers, phones, and other products. For more information, please see www.zoomtel.com/3Grouter

Installing the Modem on Windows 7, Vista, or XP

- a Power on your computer. Plug the modem into a USB port on your computer.
- b Follow the on-screen instructions.
- c When your modem setup is complete, you will be asked whether to restart the computer. Click **Finish** to reboot your computer and complete the installation.
- d Once your computer is on, double-click the **Zoom 14.4 3G+ USB modem** icon on your **Desktop** (or click **Start > Programs (or All Programs) > Zoom 14.4 3G+ USB modem** from the task bar) to open the application. (If the User Account Control dialog opens, click **Yes**.)
- e Click **Connect** to connect to the network. If the **Connect profile list** pops up, select your provider and click **OK**.
- f Open your Internet browser and connect to a web site.
If you connected to the Internet successfully, you are all set.

Note: You can view upload and download data transfer speeds from the Statistics page of the Configuration Manager by clicking on the **Statistics** icon.

Congratulations!

If you can't connect to the Internet, please refer to **Troubleshooting the connection for Windows and Macintosh computers**.

Installing and connecting on Mac OS X 10.5 or higher

- a Plug the modem into an available USB port on your computer. A CD icon labeled **Modem** appears on the desktop.
- b Double-click the CD icon labeled **Modem**, then double-click the **MAC Installation** icon.
- c If prompted for a **Password**, use the password that you used to create your Mac user account.
- d Click **Restart** to reboot your computer and complete the installation.
- e If prompted for a **Password**, use the password that you used to create your Mac user account.
- f Click **Connect** to connect to the network. If the **Connect profile list** pops up, select your provider and click **OK**.
- g **Note:** If the **Zoom 14.4 3G+ USB Modem** Configuration Manager window doesn't pop up automatically, you can open it by double-clicking the **Zoom 14.4 3G+ USB modem** icon from the desktop. (If a **Password** prompt appears, use the same password that you used to create your Mac user account.)
- h Open your Internet browser and connect to a web site.
If you connected to the Internet successfully, you are all set.

Note: You can view upload and download data transfer speeds from the Statistics page of the Configuration Manager by clicking on the **Statistics** icon.

Congratulations!

If you can't connect to the Internet, please refer to **Troubleshooting the connection for Windows and Macintosh computers**.

Troubleshooting the connection for Windows and Macintosh computers

If the connection fails and you are unable to connect to a web site, it might be because your service provider requires that you enter specific information to activate your service plan or define your connection profile. For instance, you might need to enter a username, password, and APN number. Please ask your provider for the correct entries (or look for the information in the SIM card packaging), then click on the Settings icon on the Configuration Manager to enter the information. You may also consult the Troubleshooting section in the User Manual. See **Getting Additional Documentation** below.

Getting Additional Documentation

From the **About** menu, select **Help** to open the **Zoom 14.4 3G+ USB Modem User Manual**. You need Adobe Acrobat Reader to open the document. If you don't have the software, you can download the current version at <http://www.adobe.com/products/acrobatpro/tryout.html?promoid=DTELN>.

You can also access the User Manual online at www.zoomtel.com/4590manual

To Register Your Product Or Get Assistance

We can support you best if you register your product at www.zoomtel.com/register

We have many ways to assist you, and you can see them at www.zoomtel.com/techsupport

Tech Support Numbers:

US: (617) 753-0965

UK (London): +44 2033180660

UK (Manchester): +44 1618840074

FCC Regulations

- This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.
 - This USB Dongle complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
 - This USB Dongle 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 energy 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.
- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

RF Exposure Information (SAR)

This device meets the government's requirements for exposure to radio waves.

This USB Dongle is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard for wireless device employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the USB Dongle while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

The highest SAR value for the device as reported to the FCC when tested for body, as described in this user guide, is 0.98 W/kg for GSM 850 band, 0.935 W/kg for GSM 1900 band, 0.901 W/kg for WCDMA band V , 0.88 W/kg for WCDMA band IV, and 1.05 W/kg for WCDMA band II.

While there may be differences between the SAR levels of various USB Dongles and at various positions, they all meet the government requirement.

The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this device is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID: BDN3GM1085 .

For body operation, this device has been tested and meets the FCC RF exposure guidelines for use the positions the device a minimum of 0.5 cm from the body. Use of other enhancements may not ensure compliance with FCC RF exposure guidelines.

This USB dongle transmitter is approved for use in typical laptop computers. To comply with FCC RF exposure requirements, this USB dongle should not be used in other devices or certain laptop and tablet computer configurations where the USB connectors on the host computer are unable to provide or ensure the necessary operating configurations intended for the device and its users or bystanders to satisfy RF exposure compliance requirements. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter.



Declaration of Conformity / Declaración de conformidad

Manufacturer/Constructeur/Fabricante	Zoom Telephonics, Inc. 207 South Street Boston, MA 02111 USA 617-423-1072 www.zoomtel.com
Brand/Marke/Marca	Zoom 3G Modem 14.4
Type/Typ/Tipo	Series 1090, Models 4590, WM76

The manufacturer declares under sole responsibility that this equipment is compliant to required directives. This product is CE marked.

El fabricante declara bajo su exclusiva responsabilidad que este equipo satisface las Directivas requeridas. Este producto tiene marca CE.

P. Prohodski
19 November, 2010
1090/TF, Boston, MA, USA

Director, Hardware Engineering
Director, Ingeniería de apoyo