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www.novatelwireless.com

PN xxxxxxxx Rev.1E

ovation™ MC990D



quick
start
guide



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Inside Front Cover

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totalmobileinternet™

Ovation MC990D with microSD™ is the next generation of mobile broadband USB devices from Novatel Wireless. Surf the web, download files, music, share photos, manage email and more at speeds of up to 7.2 Mbps download and 2.1 Mbps[†] upload.

This 2-in-1 device with microSD means true mobility to do what you want, when you want. Transfer files between computers on the fly with microSD. Ovation MC990D supports broadband networks HSUPA, HSDPA, UMTS, EDGE, and GPRS. This means that Ovation MC990D gives you mobile broadband access in Europe, North America, and Asia-Pacific*

With Zero-CD technology, installation couldn't be more simple. Follow the next five steps and you'll be well on your way to accessing the information super highway anytime, anywhere.

* Subject to operator roaming agreements; [†]category 6, 5.76 Mbps firmware upgrade available in Q3, 2008.

Regulatory Information

CE Marking

This device has been tested to and conforms to the essential regulatory requirements of the European Union R&TTE directive 1999/5/EC and has attained CE Marking.

Federal Communications Commission Notice (FCC United States)

This equipment has been tested to, and found to be within the acceptable limits for a Class B digital device, pursuant to part 15 of the FCC Rules and Industry Canada ICES-003. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential environment.

This equipment generates radio frequency energy and is designed for use in accordance with the manufacturer's user manual. However, there is no guarantee that interference will not occur in any particular installation.

If this equipment causes harmful interference to radio or television reception, which can be determined by turning the equipment off and on, you are encouraged to try to correct the interference by one or more of the following measures:

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- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver
- Consult the dealer or an experienced radio/television technician for help

This device complies with Part 15 of the Federal Communications Commission (FCC) Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

WARNING: DO NOT ATTEMPT TO SERVICE THE WIRELESS COMMUNICATION DEVICE YOURSELF. SUCH ACTION MAY VOID THE WARRANTY. THE OVATION DEVICE IS FACTORY TUNED. NO CUSTOMER CALIBRATION OR TUNING IS REQUIRED. CONTACT YOUR SERVICE PROVIDER FOR INFORMATION ABOUT SERVICING YOUR WIRELESS COMMUNICATION DEVICE.

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

NOTE: The Radio Frequency (RF) emitter installed in your modem must not be located or operated in conjunction with any other antenna or transmitter, unless specifically authorized by Novatel Wireless Technologies.


MODIFICATIONS: The FCC requires that you be notified that any changes or modifications made to this device that are not expressly approved by Novatel Wireless, Inc. may void your authority to operate the equipment.

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 Novatel Wireless Technologies Ltd. Suite 200, 6715 - 8th St NE Calgary, AB Canada T2E 7H7 Phone: 403 295 4800		NOTES: 1. MAGENTA OUTLINE DOES NOT PRINT. FOR DIE CUT REFERENCE ONLY. 2. MATERIAL: COVERS: 80# COVER MATTE PAGES: 70# TEXT MATTE COLOURS: CMYK Plus: Pantone 376C
TITLE: QSG MC990D NVTL		
P/N: 90025258	ECO:	
02/29/08 - Lawrence Zalasky - INITIAL RELEASE		

Regulatory Information (continued)

The FCC has granted an Equipment Authorization for this wireless modem with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines.

FCC Equipment Authorization ID: NBZNRM-MC990D

This device is only authorized for use in laptop computers that are identical or substantially similar to those in its grant application. At least 20cm (8 inches) of separation between the antenna and the users body must be maintained at all times when using the USB Extension Cable and Notebook Monitor Clip accessory pair provided.

If this device is intended for use in a portable device, you (the user) are responsible for separate approval to satisfy the SAR requirements of FCC FCC Part 2.1093 and Industry Canada RSS-102/Safety Code 6.

In order to comply with FCC RF exposure requirements, the device must be installed so that a minimum separation distance of 1.5 cm (0.60 inches) is maintained between the antenna and all persons during ordinary operating conditions if Ovation MC990D is used in a portable configuration.

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Safety Notices

DO not operate your Ovation MC990D in any area where medical equipment, life support equipment, or near any equipment that may be susceptible to any form of radio interference. In such areas, the host communications device must be turned off. The MC990D may transmit signals that could interfere with this equipment.

On an aircraft, either on the ground or airborne

In addition to FAA requirements, many airline regulations state that you must suspend wireless operations before boarding an airplane. Please ensure that the host device is turned off and your Ovation MC990D is removed from the card slot prior to boarding aircraft in order to comply with these regulations. Ovation MC990D can transmit signals that could interfere with various onboard systems and controls.

While operating a vehicle

The driver or operator of any vehicle should not operate a wireless data device while in control of a vehicle. Doing so will detract from the driver or operator's control and operation of that vehicle. In some countries, operating such communications devices while in control of a vehicle is an offense.

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Product Care Guidelines

- Avoid storing your Ovation MC990D in extreme temperatures.
- Store your Ovation MC990D in a dry and clean environment.
- Avoid spilling any liquid on your Ovation MC990D or immersing it in water.
- Do not place any labels on the antenna as doing so could alter the sensitivity of the antenna.
- Do not force the Ovation MC990D into the USB port.
- Do not force the SIM card into the SIM card slot.
- Do not apply force to the top or bottom of your Ovation MC990D.
- Remove your Ovation MC990D from the USB port before transporting your laptop.

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Ovation MC990D



- LED
The LED provides connections status. See page 9 for a detailed list of the colours and their defined states.
- SIM Card Slot
The SIM card is inserted here.
- microSD Slot
Removable memory storage slot. (microSD cards sold separately. Please consult the user guide for details on the use of microSD at www.novatelwireless.com/support.)

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System Requirements

Windows® 2000, XP, Vista; Mac® OS X (10.4.7+); Linux® (2.4, 2.6)
14 MB Hard Drive Space
64 MB of RAM

Package Contents

- MC990D
A 2-in-1 USB Mobile Broadband Modem with removable memory.
- USB Cable and Laptop Display Clip
For use in low signal strength areas, where more power may be required, and when in use with the Clip.

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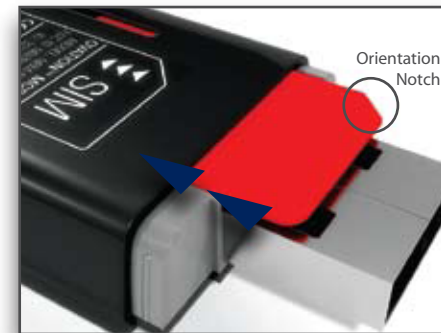
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Getting Started

Mac: page 9
Windows: pages 9-11

Getting started with the Novatel Wireless Ovation MC990D Mobile Broadband USB Modem is quick and easy. Just follow these simple steps for your operating system and you'll be on your way to experiencing Total Mobile Internet!

- 1 Insert the SIM card into the Ovation MC990D as shown.
- 2 Push the SIM card completely into the slot.



You must have an account with a wireless broadband service provider. Your service provider may have provided activation instructions in this packaging. Otherwise, contact your service provider for complete instructions.

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Mac - Internet Connect

- 1 Insert the device into your notebook's USB port. Two files will appear on the Mac desktop, Instructions.pdf and Driver_Installer.app.
- 2 Follow the instructions outlined in the Instructions.pdf for the full installation procedure.

Windows- MobiLink™ Lite

- 1 Insert the device into your notebook's USB port.
- 2 MobiLink Lite for Windows automatically installs.
- 3 Activate your device with a service provider.
- 4 Launch MobiLink Lite and Connect! (Refer to pages 10-11 for information on the configuration of your device on Windows.)

NOTE: For more information on the details of your device and accessories, consult the User Guide at www.novatelwireless.com/support.

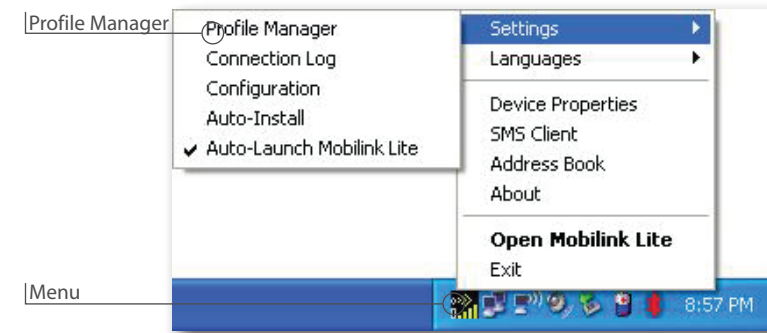
9 Linux users: Go to www.novatelwireless.com/support for installation and configuration instructions.

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Getting Started

Windows Only:
Create a profile

- 1 Start the newly installed MobiLink Lite software.
- 2 Click on the **Menu** Icon and select **Profile Manager**.
- 3 Click **New**, enter a Profile Name and APN*, then click **Next**.
- 4 Enter your Username* and Password*, if required, and click **Finish**.



*Available from your wireless provider

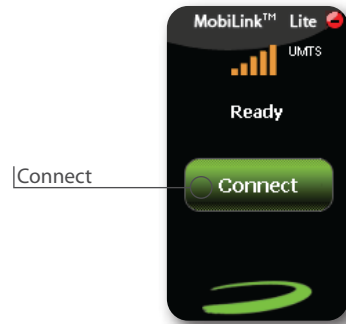
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Getting Started

Windows Only:
Connect to the Internet

- 1 Double-click the **MobiLink Lite** icon on your desktop.
- 2 If your SIM card is locked, type in your SIM code, then click **Okay**.
- 3 When the LED blinks Green, Violet, Blue, Yellow or Cyan select a profile and click **Connect**.

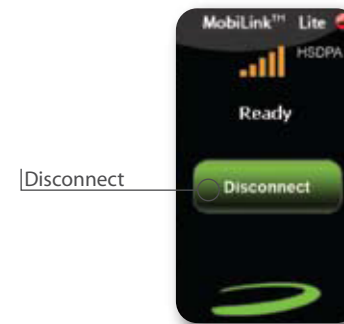


NOTE: You'll find additional information about Profiles and Connection states in the User Guide available from www.novatelwireless.com/support.

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Removing Your Ovation MC990D

- 1 Click **Disconnect** to end your Internet session.
- 2 Click the **Menu** button and select **Exit**.
- 3 Remove Ovation MC990D from the USB port.









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LED States

RED		SIM Error No Service	Flashing: SIM card may be missing or inserted incorrectly Solid: GPRS/EDGE/UMTS/HSDPA cellular service is currently not available
GREEN		GPRS	Flashing: GPRS service is available Solid: Connected to a network using GPRS
VIOLET		EDGE	Flashing: EDGE service is available Solid: Connected to a network using EDGE
BLUE		UMTS	Flashing: UMTS service is available Solid*: Connected to a network using UMTS
YELLOW		HSDPA	Solid*: HSDPA service is available and is being used during the download
CYAN		HSUPA	Solid*: HSUPA service is available and is being used during the upload

13 *The LED may appear to flash blue and then yellow or cyan as the service transitions between UMTS and HSDPA/HSUPA

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Declaration of Conformity



Per FCC CFR 47 Part 2 §2.1077(a)

Responsible Party: Novatel Wireless Inc.
Address: 9645 Scranton Road
San Diego, Ca. 92121
Phone: (858) 812-3400

Declares that the product:

Product Name: Ovation MC990D
Model Number: NBZNRM-MC990D

Conforms to the following regulation:

FCC Part 15, Subpart B (15.107/15.109)
Class B Computer Peripheral

Date: May 22, 2008

Note: 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 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 causes harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one of more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Consult the dealer or an experienced Radio/TV technician for help