Dell™ Latitude ON™

Setup Guide

Notes

✍ **NOTE:** A NOTE indicates important information that helps you make better use of your computer.

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About Your Dell Latitude ON

Dell™ Latitude ON™ is a communication solution that is designed to provide quick access to business-critical data. Latitude ON has the power, efficiency, and flexibility of the Open Multimedia Application Platform(OMAP™) processor along with the usability of a portable computer.

Latitude ON is currently available on the following Dell computers:

- Dell Latitude™ Z600
- Dell Latitude E4200
- Dell Latitude E4300

NOTE: If you ordered the Latitude ON card along with your computer, the Latitude ON card is pre-installed and activated.

Features

Quick Access — Allows you to access e-mail, contacts, calendar, and web pages.

Internet Connection — Allows you to connect to the Internet through wireless or optional mobile broadband card.

E-mail Accounts — Allows you to configure and access POP and Microsoft® Exchange 2003 e-mail accounts along with IMAP and Novell® group-wise e-mail accounts. You can also access web-based e-mail clients through the web browser.

Security — Allows you to set up a Latitude ON specific password and you can also clear the user data.

Enhanced Battery Life — Provides extended battery life as the Latitude ON card has an efficient built-in OMAP processor.

Easy Upgrade — Allows you to upgrade the existing software for additional security, VPN support encryption, and applications when they are available using a flash utility.

Regulatory Information

For additional regulatory information, see the Regulatory Compliance
Homepage on www.dell.com at the following location:
www.dell.com/regulatory_compliance.

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Setting Up Your Dell Latitude ON

Installing the Latitude ON Card

NOTE: If you ordered a Dell™ Latitude ON™ card along with your computer, the Latitude ON card is pre-installed on your computer.

To install the Latitude ON card, see the *Installing Your Dell Latitude ON Card* that shipped with your Latitude ON card.

NOTE: Latitude ON is already installed on the Dell Latitude Z600 computer.

Enabling Latitude ON

NOTE: If you ordered a Latitude ON card with your computer, the Latitude ON feature is already enabled.

1 Turn on (or restart) your computer.

2 When the Dell logo appears, wait for the F2 prompt to appear and press <F2> immediately. The **BIOS** screen appears.

3 Choose **System Configuration**→ **Latitude ON**.

4 Select the **Enable Latitude ON** check box.

5 Click **Apply** and click **Exit** to restart the computer.

Activating Instant ON

1 Turn on (or restart) your computer.

2 When the Dell logo appears, wait for the F2 prompt to appear and press <F2> immediately. The **BIOS** screen appears.

3 Choose **System Configuration**→ **Latitude ON**.

4 Select the **Enable Instant ON** check box.

5 Click **Apply** and click **Exit** to restart the computer.

Starting Latitude ON

📝 **NOTE:** When your computer is in the Latitude ON mode, you are no longer in the Microsoft® Windows® operating system environment.

To start your computer in the Latitude ON mode, press the Latitude ON button 🔲 .

📝 **NOTE:** If the computer is turned off, it will boot to the Latitude ON mode. If the computer is in the Microsoft Windows mode, the computer will hibernate and switch to the Latitude ON mode.

Configuring Latitude ON

1 Start your computer in the Latitude ON mode (see "Starting Latitude ON" on page 8).

2 On the **Latitude ON** welcome screen, click **Next**.

3 Select the language and click **Next**. The **Keyboard Selection** window appears.

4 Select the keyboard type from the drop-down list and click **Next**.

   A window appears prompting you to create a password.

5 Create a password and re-enter the password to confirm.

   📝 **NOTE:** The password must adhere to the criteria outlined on the screen. If your password does not adhere to the required criteria or you enter mismatched passwords, Latitude ON prompts you to enter the correct password.

   A window appears indicating that the setup process is complete and prompts you to use the **Network Manager**. For more information, see "Configuring the Network Settings" on page 11.

📝 **NOTE:** Latitude ON allows you to configure the wireless connection during the initial setup. You can configure the Mobile Broadband connection only after completing the initial setup.

📝 **NOTE:** Latitude ON prompts you to enter the password during every new session. If you enter a wrong password three consecutive times, the computer shuts down. Restart your computer in the Latitude ON mode and try again.

Exiting Latitude ON

To navigate from the Latitude ON mode to the Windows mode, press the power button. The computer ends the current Latitude ON session and starts your Windows session.

Instant On is Enabled	Instant On is Disabled
If you press the power button, the Latitude ON session closes and the Windows operating system will be loaded. During this time, the Latitude ON is not completely shut down and it will be in the suspend mode.	If you press the power button, the Latitude ON is shut down and the Windows operating system will be loaded.

NOTE: Running Latitude ON in the suspend mode will consume power. For more information, see the *Frequently Asked Questions* available on the Dell Support website at **support.dell.com/manuals**.

To exit from the Latitude ON mode and shut down the computer:

1 Click the ▓▓ icon. The **Settings Manager** window appears.

2 Click **Shut Down**. A confirmation message appears.

3 Click **Yes**. The computer shuts down.

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Configuring the Network Settings

Before you begin using your computer in the Latitude ON™ mode, you must configure Latitude ON to connect to either a *wireless network* or a *mobile broadband network*.

Enabling the Wireless or Mobile Broadband Network in the Latitude ON Mode

Right-click the Network Manager ![icon] icon on the upper right corner of the Latitude ON desktop.

Ensure that the **Enable Networking** check box is selected. For more information on connecting to wireless or mobile broadband, see "Connecting to a Wireless Network" on page 11 and "Connecting to a Mobile Broadband Network" on page 12.

    NOTE: You cannot enable both the wireless network and the mobile broadband network at the same time.

Connecting to a Wireless Network

    NOTE: To connect to a wireless network, ensure that the wireless network is enabled on your computer (see "Enabling the Wireless or Mobile Broadband Network in the Latitude ON Mode" on page 11).

1 Right-click the ![icon] icon and select both **Enable Networking** and **Enable Wireless** check boxes.

After the wireless card is initialized, left-click the ![icon] icon to display a list of available networks, their signal strengths, and their respective security levels.

2 Select the wireless network to which you want to connect.

a To connect to a non-broadcasting wireless network, click **Connect to Hidden Wireless Network.**
The **Connect to Hidden Wireless Network** window appears.

b Enter the name of the **Hidden Network** and select the type of **Wireless Security**.

✎ **NOTE:** Automatic selection of wireless security type does not work for hidden network.

c Click **Connect** to connect to the hidden network

3 Enter the wireless network's security information to connect to a protected wireless network and click **Connect**.

✎ **NOTE:** Contact your network administrator for assistance with connecting to a secured wireless network.

✎ **NOTE:** To connect to a non-broadcasting wireless network, select the appropriate security type for the SSID and do not use the automatic selection. After connecting to the hidden SSID for the first time, you must manually connect to the hidden SSID for the second time before auto connecting to hidden SSID works properly.

The **Network Manager** icon changes to the wireless signal strength 📶 icon.

Connecting to a Mobile Broadband Network

✎ **NOTE:** Your mobile broadband account must be activated and the mobile broadband card must be registered and configured in Windows® before using it in the Latitude ON mode.

✎ **NOTE:** To activate 3G mobile broadband service on your computer, visit dell.com/activate. Choose your service provider and the appropriate region.

✎ **NOTE:** To connect to a mobile broadband network, ensure that the mobile broadband network is enabled on your computer (see "Enabling the Wireless or Mobile Broadband Network in the Latitude ON Mode" on page 11).

1 Right-click the ![icon] icon and select both **Enable Networking** and **Enable Mobile Broadband** check boxes.

WWAN signal strength bars are displayed next to the ![icon] icon after the broadband card is initialized by the Network Manager.

2 Left-click the ![icon] icon.

The menu lists Auto Mobile Broadband GSM, CDMA, or 3G connections depending on the mobile broadband card installed.

a To access the **Mobile Broadband Profile** window, right-click the ![icon] icon and select **Edit Connections**. In the **Mobile Broadband** tab, click **Edit**.

b To connect to the Mobile Broadband network, click **Auto Mobile Broadband Connection**.

The ![icon] icon is changed to ![icon] icon.

c To connect using a 3G network, enter the **Access Point Name**, **Username**, and **Password** in the **Mobile Broadband Profile** window.

3 To activate automatic connection to the Mobile Broadband network, do the following:

a Right-click the ![icon] icon, and select **Edit Connections**.

b In the **Mobile Broadband** tab, click **Edit**.

c Select the **Connect Automatically** check box in the **Auto Mobile Broadband** profile.

![note icon] **NOTE:** You can view the **Connect Automatically** check box by editing the Mobile Broadband profile in the Network Manager.

![note icon] **NOTE:** Activation of automatic connection to the network allows you to change the settings.

If Auto Mobile Broadband connection does not work, you must edit the **Auto Mobile Broadband** profile to the appropriate settings. Please consult your Mobile Broadband provider for the settings.

![note icon] **NOTE:** If you are using the AT&T GSM card (in the United States), enter ISP.CINGULAR in the **APN** field to edit the Auto Mobile Broadband profile.

Viewing Your Mobile Broadband Information

1 Right-click the ![icon] icon.

2 Click **Connection Information**. The Mobile Broadband Information is displayed.

   You can also click the ![icon] icon to display the Mobile Broadband Information.

Disconnecting from a Mobile Broadband Network

To disconnect from your mobile broadband network, click the ![icon] icon and click **Disconnect**.

Advanced Network Configuration

Setting Up a Virtual Private Network (VPN) Account

1 Click the ![icon] icon.

2 Select **VPN Connections→ Configure VPN**.

3 Click **Add** and select a VPN connection type from the drop-down list.

4 Click **Create**. A new window appears.

5 Enter the required information and click **Apply**.

Modifying Your Wireless, Mobile Broadband, or VPN Connections

1 Right-click the ![icon] icon.

2 Click **Edit Connections**.

3 In the **Network Connections** window, select the appropriate network connection type.

4 Choose the network connection to modify and click **Edit**.

5 Modify the relevant information and click **OK**.

   The connection settings are updated.

   NOTE: If you are connected to the network when you are modifying the connection settings, disable, and, re-enable network connection to allow changes to take effect.

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Setting Up Your Latitude ON E-mail

Before you begin sending or receiving e-mails in the Latitude ON™ mode, you must configure the Latitude ON E-mail client using the **Setup Assistant**.

The Setup Assistant is launched automatically when configuring your Latitude ON for the first time.

Configuring the Latitude ON E-mail Client

1 On the Latitude ON desktop, click the e-mail ⬚ icon.

Latitude ON launches the e-mail **Setup Assistant**.

2 Click **Forward** and enter the required information.

3 Follow the instructions on the screen to complete the e-mail setup.

Adding or Modifying Your E-mail Account

1 On the Latitude ON desktop, click the ⬚ icon. The e-mail client window appears.

2 Click **Edit→ Preferences**. The **Evolution Preferences** window appears.

3 *To add a new e-mail account*, click **Add** and follow the instructions on the screen.

4 *To modify an existing e-mail account*, select the e-mail account and click **Edit**. Follow the instructions on the screen.

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Latitude ON Desktop Icons

Icon	Description
E-mail	Allows you to: • access the e-mail application • send, receive, and delete e-mails • receive e-mail notifications • view e-mail attachments **NOTE:** You cannot save or edit attachments.
Calendar	Allows you to: • access the calendar within the e-mail application • create, update, or delete calendar events • receive event notifications • synchronize your calendar with a Microsoft® Windows® supported Exchange Server
Contacts	Allows you to: • view address book • manage contacts
Web Browser	Allows you to: • browse the Internet • bookmark web pages • view .DOC, .XLS, .PPT, and .PDF files **NOTE:** The web browser does not support download or installation of plug-ins.
Mobile Radio	Displays the status of the mobile broadband connection
Mobile Signal	Displays the strength of the mobile broadband connection

Icon *(continued)*	Description *(continued)*
Wi-Fi Signal	Displays the strength of the Wi-Fi connection
Battery	Displays the status of the battery
Network Manager	Allows you to access the network settings
Latitude ON Help	Access additional help about Latitude ON
Settings Manager	Allows you to customize your Latitude ON settings, such as power management, language, sound alerts, and password. For more information, click the ? icon on the Latitude ON interface.
Volume	Allows you to adjust volume

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Specifications

Processor	
Processor type	Texas Instruments OMAP3430
Processor core frequency	600 MHz

Memory	
Storage memory	512 MB NAND Flash
Operating memory	256 MB DDR

Power Consumption (Current)	
Active mode	380 mA (maximum)
Suspend mode	75 mA (maximum)

Communication	
Communication devices	• Wireless Local Area Network (LAN) • Mobile Broadband network

Network	
Compatibility	• IEEE 802.11b standard for wireless LAN (DSSS/CCK) • IEEE 802.11g standard for wireless LAN (DSSS/CCK)
Operating channels	• IEEE 802.11b: 2.4 GHz; (Channels 1 to 11) • IEEE 802.11g: 2.4 GHz; (Channels 1 to 11)
Power output (nominal)	• IEEE 802.11b: 13 dBm • IEEE 802.11g: 13 dBm

Physical	
Latitude ON™ card size	32.00 mm x 43.28 mm

Environmental

Temperature

    Operating   0° to 75°C (32° to 167°F)

    Storage   -40° to 80°C (40° to 176°F)

Relative Humidity

    Operating   up to 95% (non-condensing)

    Storage   up to 95% (non-condensing)

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Troubleshooting

My computer does not turn on when I press the Latitude ON™ button.

1. Ensure that the Latitude ON card is installed and enabled in the System Setup or BIOS (see "Enabling Latitude ON" on page 7).

2. If the Latitude ON card is not detected in the System Setup:

   a. Disconnect the power cable and remove the battery from the computer.

   b. Re-seat the Latitude ON card. For more information, see *Installing Your Dell Latitude ON Card* that shipped with your Latitude ON card.

   c. Ensure that all antennae are properly connected.

   d. Install the battery and ensure that the AC adapter is connected.

   e. Turn on the computer and check if the Latitude ON card is identified in the System Setup.

3. If the Latitude ON card is still not detected, contact Dell (see "Contacting Dell" on page 23).

The Scroll Lock Key flashes when I press the Latitude ON button.

Contact Dell (see "Contacting Dell" on page 23).

My computer does not scan for any available Wi-Fi networks.

To resolve this issue, perform the following steps:

1. Right-click the ![icon] icon.

2. Clear the **Enable Networking** check box to disable networking.

3. Wait for 10 seconds and select **Enable Network** check box.

   The network manager restarts and scans for available Wi-Fi networks in the area.

You can also restart the network manager by turning OFF and turning ON the wireless switch on your computer.

My computer cannot connect to hidden networks.

Ensure that the appropriate security level is selected for the hidden network. Do not select automatic security level for a hidden network.

Keyboard shortcut keys like <SHIFT>+<HOME>, <SHIFT>+END> and function keys like battery or <Num Lk> do not work.

Latitude ON does not support most of the function keys or keyboard shortcuts.

Unable to access websites containing Japanese or Chinese fonts.

Currently, Latitude ON does not support double-byte characters such as Japanese, Arabic, or Chinese. You may receive a browser error while browsing sites that support these languages.

In the Latitude ON mode, a message appears prompting you to enter the PIN code for GSM SIM, even if the PIN is not set for GSM SIM.

If you have not set the PIN for the GSM SIM card, choose the **Cancel** button when Latitude On prompts you to enter the GSM PIN code. Latitude ON ignores the PIN and resumes the connection process.

If you enter an invalid PIN, setup configures the mobile broadband profile incorrectly and causes a connection error. You must delete the mobile broadband profile with the invalid PIN and create a new profile.

Contacting Dell

For customers in the United States, call 800-WWW-DELL (800-999-3355).

NOTE: If you do not have an active Internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell product catalog.

Dell provides several online and telephone-based support and service options. Availability varies by country and product, and some services may not be available in your area. To contact Dell for sales, technical support, or customer service issues:

1. Visit **support.dell.com**, and verify your country or region in the **Choose A Country/Region** drop-down menu at the bottom of the page.

2. Click **Contact Us** on the left side of the page, and select the appropriate service or support link based on your need.