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Using the NEC MobilePro

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POWERING ON AND OFF

Power on the NEC MobilePro as follows.

1. Slide the display panel latch to the right. Lift the display panel up towards the rear of the unit.



CAUTION


Do not push the display panel beyond its pre-designed stop point as you open the panel.

2. Locate and press the Power button. To power off the unit, press the Power button a second time.

Powering on and off




A – Power button

 **Note:** The first time you install the main battery, the MobilePro automatically powers on when you open the display panel.

The first time you power on the MobilePro, the screen contrast may need adjustment. Refer to the following section, "Making Display Panel Adjustments," for details.

If the MobilePro is not used for a specific length of time, it automatically shuts off. You can select how long the unit remains on through the Power selection in the Windows Control Panel. On the Windows CE desktop, go to Start, Settings, Control Panel. Double tap the Power icon and select the Power Off tab to designate a power off time.

 **Note:** As a general operation rule, frequently back up and synchronize data between your MobilePro and your desktop or notebook computer.

Synchronization occurs each time you connect your MobilePro to your desktop or notebook computer, once initial synchronization is configured. For details, see the section in Chapter 1, "Connecting to Your PC."

For details about backing up and restoring data, see the section in Chapter 3, "Backup Up and Restoring Data."

MAKING DISPLAY PANEL ADJUSTMENTS

You can adjust the brightness of the display panel in the NEC MobilePro using two function keys located at the top right of the keyboard. Adjust the brightness as follows.

1. Open the display panel and power on the unit.

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2. Press the brightness up or brightness down keys as required.

Adjusting the brightness



A – Brightness Up **B** – Brightness Down

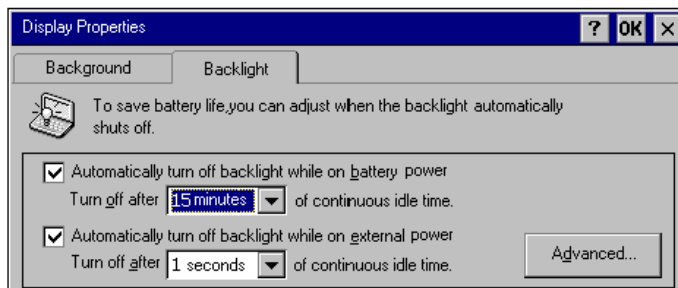
Backlight

You can conserve battery life by configuring your NEC MobilePro to automatically turn off the display panel's backlight. Follow these steps to configure the backlight for automatic turn off.

1. Go to Start, Settings, Control Panel.
2. Double tap the Display icon and select the Backlight tab.

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3. Tap the desired selections to place a check beside the selection.

Backlight settings

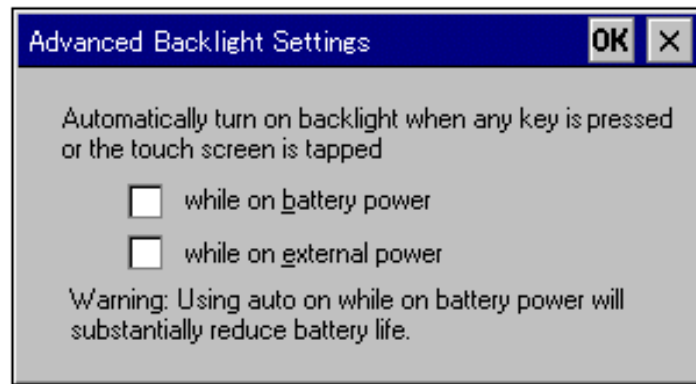


In addition, you can configure the NEC MobilePro to turn on the backlight automatically. Follow these steps to configure the backlight for automatic turn on.

1. Tap the Advanced tab, shown in previous figure, to access the advanced backlight properties.

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2. Tap the desired selections to automatically turn on the backlight.

Advanced backlight settings



! WARNING

Using auto on while on battery power substantially reduces battery life.

Enabling the Suspend Switch

You can configure your NEC MobilePro H/PC to power on or off by simply opening or closing the display cover. The suspend switch acts as a switch for both the power and the display panel.

Opening the NEC MobilePro powers on the unit. To power on the unit while it is open, use the Power button.

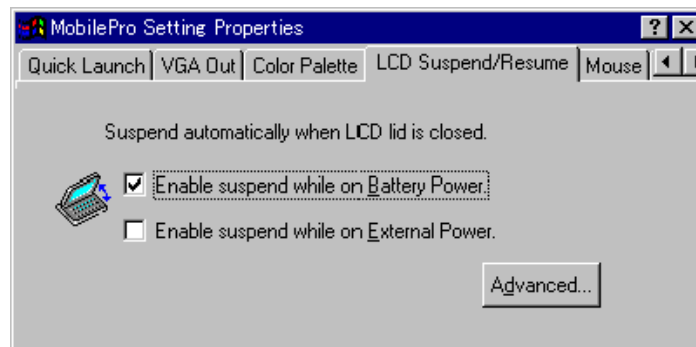
Closing the MobilePro powers off the unit and insures that the backlight is off as well.

Use the following procedure to enable the suspend switch.


1. Tap Start on the Taskbar to access Settings, then select Control Panel.
2. Double tap on the MobilePro Settings icon to launch the dialog box shown in the following figure.

Be sure to select the “LCD Suspend/Resume” tab.

Power off settings



3. Select either “Enable suspend while on battery power” or “Enable suspend while on external power,” or both to enable the display linkage switch.

 **Note:** Your NEC MobilePro will not automatically suspend while on battery power during synchronization, unless the battery charge is at a *very low* status. You may want to connect your MobilePro to an AC power source before synchronizing with your desktop or notebook computer.

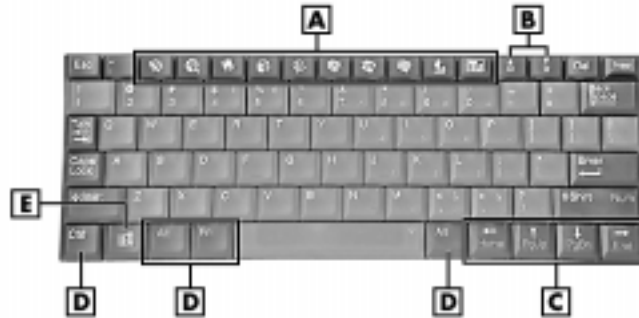
USING THE KEYBOARD

The NEC MobilePro keyboard is equipped with many features including:

- Application shortcut keys
- Brightness up/down keys
- Cursor control keys
- Control keys

Feature keys are located as shown in the following figure. Key operations are described after the figure.

Keyboard



A – Applications shortcut keys **B** – Brightness up/down keys
C – Cursor control keys **D** – Control keys **E** Windows key













- Application shortcut keys — Ten application shortcut keys allow you to launch applications directly from the keyboard. For details about each key, refer to the section that follows, “Using Application Shortcut Keys.”

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- **Brightness up/down keys** — Use the brightness up/down keys to adjust the NEC MobilePro's panel brightness.
 - **Cursor Control Keys** — Cursor control keys let you position the cursor on the screen where you want. The cursor indicates where the next text typed is inserted.
 - **Control Keys** — **Ctrl**, **Alt**, **Fn**, and **Shift** are controls used in conjunction with other keys to change their functions. To use control keys, press and hold the control key while pressing another key.
 - **Windows Key** — You can use the Windows key to display the Start menu.

USING APPLICATION SHORTCUT KEYS

The NEC MobilePro provides application launch keys located in the top of the keyboard. Use these keys to launch applications directly from the keyboard. The key defaults are listed in the following table.

Default Application Shortcut Keys

Icon	Application
	Inbox
	Microsoft Internet Pocket Explorer
	Calendar
	Contacts
	Tasks
	Microsoft Pocket Word
	Microsoft Pocket Excel
	Microsoft Pocket PowerPoint
	Voice Recorder
	Calculator
	Brightness Up
	Brightness Down

Default Function Keys

In addition to the application shortcut keys, your NEC MobilePro is equipped with default function keys as described in the following table.

Default Function Keys	
Key	Function
Fn + Space	Brightness Change
Fn + Shift	Num Lock
Fn + 4	Pound key
Fn + 5	Euro
Alt + <	Contrast Up
Alt + >	Contrast Down
Alt + Left Arrow	Home
Alt + Right Arrow	End
Alt + Up Arrow	PgUp
Alt + Down Arrow	PgDn

USING THE VOICE RECORDER

The NEC MobilePro features a voice recorder application that lets you record and play voice memos. Recording voice memos with the NEC MobilePro is easy.


Follow these steps to record with the Microsoft Voice Recorder.

1. Go to Start, Programs, Accessories, Microsoft Voice Recorder.

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2. Hold your NEC MobilePro with the microphone facing you.
 3. Press the play button (red dot) and speak into the microphone.
 4. When you are finished recording, press the stop button (black square). A beep sounds when the recording stops.

To playback your recording, tap to highlight your selection and press the play button (green triangle) or simply double tap your selection.

You may want to modify the recording format to improve the quality of playback. To modify the recording format, tap Tools, Recording Format and use the dropdown box to change the format to PCM and to modify the Attributes to a higher sampling rate.

 **Note:** Recording works best if you position the microphone about three inches away from your mouth while speaking.

Memory required for voice memo storage varies depending on user settings.


Menu

The Voice Recorder provides a variety of menu selections under the File, Control, and Tools selections. Refer to the online help provided with the voice recorder application for details about its use. Just tap the question mark icon in the upper right-hand corner of the screen to access the online help.

USING PC CARDS

Your NEC MobilePro comes with a PC card slot that supports one Type I or one Type II PC card. All PC cards are approximately the same size, have a standard 68-pin connector and vary only in thickness. PC cards add a variety of storage and communication functionality to your MobilePro.

When using a PC card in the MobilePro, we recommend that you also use AC power. The batteries alone may not provide enough power for some PC cards to operate properly.

 **Note:** We recommend using the AC adapter when using PC cards or the internal modem. Using the adapter can help you avoid potential data loss caused by the high-energy consumption of some PC cards.

Inserting PC Cards

Follow these procedures to install a PC card.

1. With the PC card facing up, insert it into the PC card slot.

Inserting a PC card



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2. Verify that the PC card is fitted securely into position.

 **CAUTION**

Make sure you align the PC card correctly for insertion. Inserting a PC card incorrectly can damage the card and/or the NEC MobilePro.

Removing PC Cards


Remove a PC card from the NEC MobilePro as follows.

1. Locate the PC card Eject button beside the PC card slot and press it to release the card from the slot.
2. Once the card is released, pull it the rest of the way out of the slot.

USING COMPACTFLASH CARDS

Your NEC MobilePro comes with a CompactFlash card slot that supports one Type I or Type II CompactFlash card. A CompactFlash card provides a storage device for your MobilePro and when inserted, creates a *Storage Card 2* folder. To view the contents of the folder, double tap the My Handheld PC icon on your MobilePro desktop, then double tap the Storage Card folder.

When using a CompactFlash card in the MobilePro, we recommend that you also use AC power. The batteries alone may not provide enough power for some CompactFlash cards to operate properly.

 **Note:** We recommend using the AC adapter when using CompactFlash cards. Using the adapter can help you avoid potential data loss caused by the high-energy consumption of some CompactFlash cards.


Inserting CompactFlash Cards

Follow these procedures to install a CompactFlash card.

1. With the CompactFlash card facing up, insert it into the CompactFlash card slot.

Inserting a CompactFlash card



 **Note:** When you insert a CompactFlash card, a button pops out of the card bay. Pivot the button towards the left side of the unit until it fits into the recessed space next to the slot.


2. Verify that the CompactFlash card is fitted securely into position.

 **CAUTION**

Make sure you align the CompactFlash card correctly for insertion. Inserting a CompactFlash card incorrectly can damage the card and/or the MobilePro.

Removing CompactFlash Cards

Remove a CompactFlash card from the NEC MobilePro as follows.

 **Note:** Pivot the CompactFlash card button out of the recessed space before beginning the following procedure.

1. Save your data if you are storing it on the inserted CompactFlash card.
2. Press the button beside the CompactFlash card slot.
3. When the card pops out slightly, pull it out of the slot.


USING THE IR PORT

With the NEC MobilePro, you can send and receive data to and from another similarly equipped device using the infrared (IrDA) communication port. In addition, you can use the IR port to synchronize data with your desktop computer, in place of using the PC Connect serial cable. Communicate with another MobilePro or your desktop as follows.

1. Open the display panels on the two units that you want to use for communication.


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2. Position the MobilePro units so that communication ports face each other. Position the units from 2 to 20 inches apart.
 3. Be sure that nothing obstructs the path between the communication ports on both units, and that the ports are aligned properly.
 4. Send your data by using the “Send To” selection in the Windows CE Pocket Explorer File menu.

Highlight the file you wish to transfer and choose “Infrared Recipient” from the Send To selections. Your file is transferred to the other MobilePro. The receiving MobilePro uses the File/Receive command to receive the infrared transmission.

 **Note:** If the units are too far apart or if something blocks the path between the two ports, data may not be sent or received correctly.

UPGRADING ROM

You can upgrade NEC MobilePro ROM by replacing the currently installed ROM module with an upgraded ROM module.

 **Note:** Be sure to synchronize your MobilePro data with your desktop or notebook computer and perform a backup of your MobilePro data before upgrading your ROM module. You may need to copy some files back to your MobilePro following this upgrade procedure.

Follow these steps to upgrade your MobilePro ROM module.

1. Save your data to a notebook or desktop computer, power off the MobilePro, and close the display panel.
2. Disconnect any peripheral devices attached to the MobilePro, such as the AC adapter.
3. Remove the battery pack. See the section in Chapter 2, “Removing and Inserting the Battery Pack,” for details.
4. Turn over the MobilePro and locate the screw that secures the ROM bay cover.
5. Using a small screwdriver, remove the screw and the bay cover. (The MobilePro does not power on when the bay cover is removed.)

ROM bay cover



A – ROM bay cover

6. With the small screwdriver, remove the two screws on the ROM module.

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7. Gently lift up the ROM module to disconnect it from its connector and remove it from the bay.
 8. Insert the upgraded ROM module into the bay, aligning the connector on the module with the one in the bay.
 9. Gently press on the module just above the connectors until the connection is secure.
 10. Replace the two screws to secure the upgraded ROM module.
 11. Replace the bay cover and cover screw.
 12. Push the full reset button. For details about using the full reset button, refer to the section later in this chapter, "Using the Full Reset button."
 13. After one minute or more, install the battery pack.




Note: The MobilePro will not power on unless the ROM bay cover is secure and the battery lock is in the locked position.

RESETTING THE MOBILE PRO

Occasionally you may need to reset your NEC MobilePro. For instance, you may need to reset after restoring data from your desktop or notebook computer, after modifying the MobilePro's configuration, when you are unable to power on using the Power button, or when the operating system stops responding.

The NEC MobilePro is equipped with two reset buttons, designed for use depending upon specific conditions. The two reset buttons are:

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- **Soft Reset Button** – The soft reset button allows you to restart the NEC MobilePro operating system while preserving any saved data. This method is similar to a “warm boot” on your desktop or notebook computer.
 - **Full Reset Button** – The full reset button restores your system to its original shipping configuration, erasing all information that you have entered.

 **Note:** To ensure the safety of your information at all times, you should perform regular backups of your MobilePro information to your desktop or notebook computer. For more information, see the “Backing Up and Restoring Data” section in Chapter 3.

Using the Soft Reset Button

Before using the soft reset button to reset the MobilePro, close any open files or applications, if possible. When you soft reset the MobilePro, you may lose open/unsaved files.

Use the soft reset button to reset the NEC MobilePro as follows.

1. Remove the stylus from its holder and open the display panel.
2. Power on the MobilePro.
3. Turn over the MobilePro.
4. Locate the soft reset button on the bottom of the MobilePro.

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5. Using the stylus, press the soft reset button. (You may need to press the button more than once.) This resets the unit.

Soft reset button



A – Soft reset button

Using the Full Reset Button

Use the full reset button *only* when your unit does not respond after doing all of the following.

- Installing a charged battery.
- Connecting the unit to an AC power source.
- Verifying that the battery lock is in the locked position.
- Using the soft reset button to reset the system.



CAUTION

Using the full reset button to reset your MobilePro returns your unit to its original shipping configuration. All data and applications are erased from RAM. All open/unsaved files are lost and all user specific data such as contacts, tasks, etc., are erased.

You can only restore data that has been backed up to your desktop or notebook computer. For more information, see the "Backing Up and Restoring Data" section in Chapter 3.

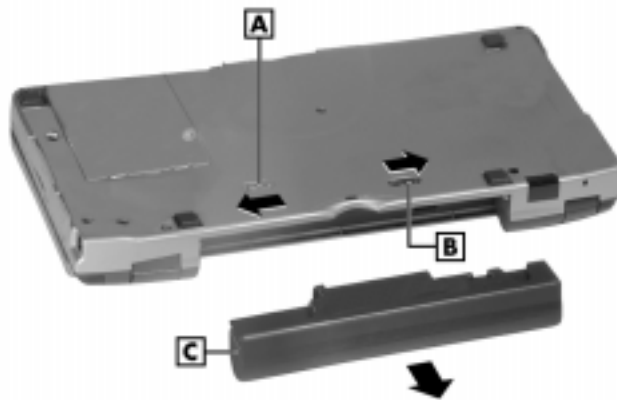
The full reset button is located inside of the main battery's bay. Remove the battery and use the full reset button to reset the NEC MobilePro as follows.

1. Remove the stylus from its holder and open the display panel.

2. Remove the main battery from the unit.

- Locate the battery lock and release latch on the bottom of the system.
- Slide the lock to the unlocked position in the direction of the arrow, as indicated in the following figure.
- Slide the release latch in the direction of the arrow, as indicated in the following figure, and hold it.
- Remove the battery from the bay.

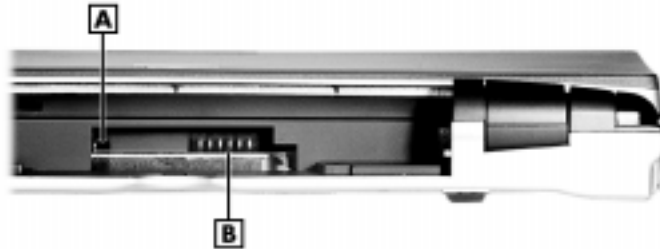
Removing the battery pack



A – Battery release latch **B** – Battery release lock **C** – Battery pack

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3. Locate the full reset button inside of the battery bay, as indicated in the following figure.

Full reset button



A – Full reset button **B** – Battery connectors

4. Using the stylus, press the full reset button. This resets the unit and restores your system to its original shipping configuration.

You may be able to use a recent backup of your data to restore your system to a more recent configuration. Refer to Windows CE Services on your desktop or notebook computer or the section in Chapter 3, “Backing Up and Restoring Your Data” for details about backing up and restoring your MobilePro.

ADJUSTING MOBILE SETTINGS

Your NEC MobilePro is equipped with a desktop icon labeled *MobilePro Settings*. The MobilePro Settings applet allows you to configure a variety of properties on your NEC MobilePro and includes the following features.

- **VGA Out** — Allows you to display the same image on both the display panel and an external monitor, as well as, adjust the display resolution setting.

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- Color Palette — Lets you select a 256-color display or the default 64K color display.
 - LCD Suspend/Resume — Allows you to designate a suspend option for the display panel lid, when closed.
 - Keyboard Layout — Allows you to select for a U.S. or international keyboard.
 - Built-in Modem — Allows you to specify a country for use of the built-in modem.



CAUTION

Select the appropriate country setting for your built-in modem to ensure compliance with the country's telephone lines. An incorrect country setting may damage your device or the telephone line.

The list of compliant country's outside the U.S. and Canada is subject to change. For the latest list of compliant countries outside the U.S. and Canada, refer to NEC CSD's web site at **www.nec-now-com**.

Accessing MobilePro Settings

To access MobilePro Settings, go to Start, Settings, Control Panel, and simply double tap the MobilePro Settings icon to display the applet's window. For more details, simply tap the "?" to view the online help.