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Introducing the NEC MobilePro

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UNPACKING YOUR MOBILEPRO

Your NEC MobilePro ships with a number of accessories. When you unpack the NEC MobilePro, verify that you have all of the items listed below and that they are in good condition. If anything is missing or damaged, contact the vendor who sold you the unit.

 **Note:** Do not attempt to use the unit without the batteries installed. Be sure you have completed the sections, "Installing and Charging the Battery," "Connecting the AC Adapter," and "Taking a Quick Tour," in Chapter 1.

- NEC MobilePro 770 (a stylus ships in a holder in the MobilePro)
- NEC MobilePro AC Adapter
- NEC MobilePro VGA Cable
- NEC MobilePro PC Connect Cable (serial cable)
- NEC MobilePro RJ-11 (telephone cable)
- One (1) rechargeable Lithium-Ion Battery pack (main battery)
- Microsoft Windows CE Services 2.2 CD
- NEC MobilePro Bonus CD containing NEC bonus software applications¹
- *NEC MobilePro 770 User's Guide* (this document)
- *H/PC Resource Guide*

¹ For U.S. and Canada distribution only.

INTRODUCING NEC MobilePro FEATURES

The NEC MobilePro 770 is compact with features on every side. The next few sections provide figures and feature descriptions.

Around the Front of the System

The following sections describe front features beginning with the display panel.

Display Panel

Your NEC MobilePro 770 comes with an 8.1-inch display panel that you can adjust for a comfortable viewing position. See the section, “Making display panel adjustments,” in Chapter 4 for information about adjusting the panel brightness.

Display panel



A – Display panel **B** – Display panel latch **C** – Stylus

- Display Panel (with built-in touch screen) — provides a clear view of information stored or input into the unit. The touch screen lets you activate functions by touching the screen with the stylus or your fingertip.

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- Display Panel Latch — secures the display panel when it is closed.
 - Stylus — a “pen” that serves as an input device for the touch screen. Remove the stylus from its holder to use it.

Keyboard Panel and Base Unit

The NEC MobilePro keyboard panel and base unit provide the following features which are described after the figure.

Keyboard panel and base unit

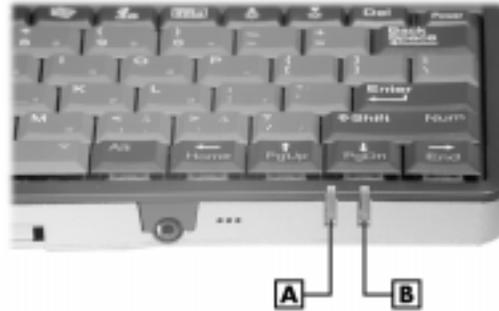


A – Suspend switch **B** – Power Button **C** – Keyboard
D – Status LEDs **E** – Microphone
F – Earphone microphone jack **G** – CompactFlash card slot

- Suspend Switch — puts the MobilePro into a suspend state when the lid is closed.
- Power Button — allows you to power on and off the unit when it is open.
- Keyboard — lets you a enter data with your fingertips.

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- Status LEDs — keeps you informed of the system's power status and notifies you about scheduled appointments.

Status LEDs



A – Battery charging LED **B** – Notification LED

- Battery charging LED
 - lights amber when the battery is charging.
 - lights green when the battery is fully charged.
- Notification LED — flashes amber as a reminder of appointments, pages, etc.

- Microphone — lets you record your voice.
- Earphone Microphone Jack — lets you connect the earphone microphone accessory to your NEC MobilePro.
- CompactFlash Card Slot — lets you install one CompactFlash card.

Around the Back of the System

The back of the NEC MobilePro offers the following features which are described after the figure.

Features on the back of the system



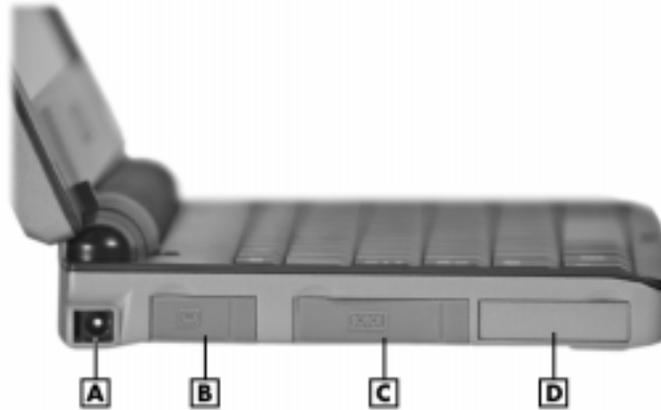
A – IR port **B** – Main battery pack

- Infrared (IrDA) Port — allows the MobilePro to communicate without cables with similarly equipped devices, including other MobilePros.
- Main Battery Pack — provides battery power to the NEC MobilePro when away from an AC power source.

Around the Left Side of the System

The left side of your NEC MobilePro offers the following features which are described after the figure.

Left side features



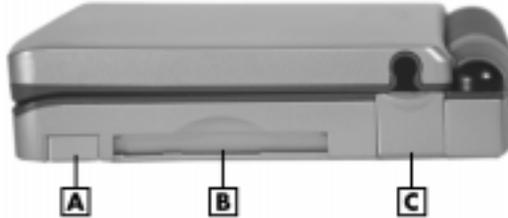
A – AC Power port **B** – VGA port **C** – Serial port **D** – Not Used

- AC Power Port — lets you connect the AC adapter to run your unit on AC power.
- VGA port — provides a connection point for the VGA cable.
- Serial port — provides a connection point for the PC connect cable.
- Not used in some models.

Around the Right Side of the System

The right side of your NEC MobilePro offers the following features which are described after the figure.

Right side features



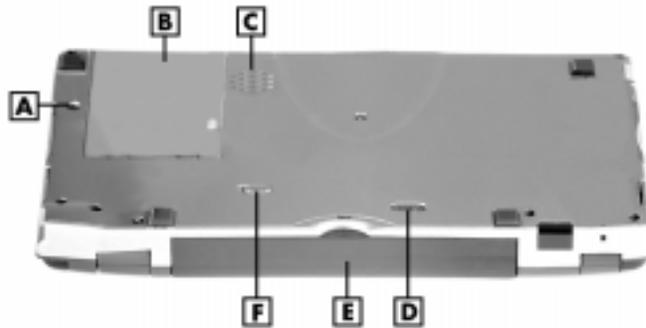
A – PC card eject button **B** – PC card slot **C** – Modem port

- PC card eject button — allows you to remove an installed PC card.
- PC card slot — lets you install one Type I or Type II PC card.
- Modem Port — provides connection access to the internal modem using the RJ-11 telephone cable.

Around the Bottom of the System

The bottom of the NEC MobilePro offers the following features which are described after the figure.

Features on the bottom of the system



A – Soft reset button **B** – ROM bay cover **C** – Speaker
D – Battery release lock **E** – Lithium-Ion battery pack
F – Battery release latch

- **Soft Reset Button** — lets you do a “Soft Reset” to the NEC MobilePro in case of malfunctions. Your data is preserved if it has been saved in a file. Use your stylus to press the soft reset button.
- **ROM Bay Cover** — protects the ROM bay and the installed ROM module.
- **Speaker** — lets you listen to digital audio. You can program MobilePro audio to remind you of appointments, notify you of operation events, or play application-associated sounds. (See your *Microsoft Windows CE Handheld PC (H/PC) User’s Guide* for details.)
- **Battery Release Lock** — locks the battery in its bay.

 **Note:** The NEC MobilePro will not power on when the battery lock is in the unlocked position.

- Main Battery Bay — contains the system's main battery.
- Battery Release Latch — allows you to release and remove the battery (when the lock is in the unlocked position).
- Docking Cradle Connector— allows you to connect the NEC MobilePro to the Docking Cradle. (Not shown)

OPENING THE DISPLAY PANEL

Open the display panel as follows.

1. Slide the display panel latch to the right.
2. Lift the display panel up and towards the back of the unit.

 **CAUTION**

When the NEC MobilePro H/PC is not in use or when you are carrying it, keep the display panel closed. This helps prevent accidental damage to the touch screen or keyboard.

USING THE STYLUS

To use the stylus, follow these steps.

1. Open the MobilePro display panel.
2. Locate the stylus holder on the lower right of the display panel. To remove the stylus, slide it away from the unit.



CAUTION

Although you can use your fingertip to activate the touch screen, never use hard-pointed or sharp objects. These objects can damage the touch screen.

3. Gently touch the pointed tip of the stylus to select an object on the screen. When you are done using the stylus, return it to its convenient holder on the MobilePro.

USING MOBILEPRO'S POWER SOURCES

The NEC MobilePro 770 can be powered using the AC adapter or the system's main battery, making it a truly portable system. The MobilePro also contains a built-in, backup battery that recharges whenever the unit is connected to an AC power source. Read the following sections for information about using the NEC MobilePro's power sources.

Determining Battery Status

You can determine battery status by using the power icon on the lower right-hand side of the taskbar or through the power icon in the control panel. The icon on the taskbar displays as an electrical plug when the battery is fully charged (battery charging LED lights green) or as a battery while charging (battery charging LED lights amber).

To display battery status, use one of the following methods.

- Tap the battery/plug icon on the taskbar, if present.
- Go to Start, Settings, Control Panel, and double tap the power icon.

Recharging the Main Battery Pack

The main battery pack contains rechargeable Lithium-Ion cells. Recharge a battery pack when you see the following message displayed on your screen.

Main Batteries Very Low

To recharge a battery pack installed in the battery bay, connect the AC adapter. See “Connecting the AC Adapter” in Chapter 1.

It takes approximately 4.5 hours to recharge a fully depleted battery pack regardless of the system’s power state.

The battery charging LED indicates the charging status of the main battery pack when the NEC MobilePro is connected to an AC power source. The LED status displays as follows:

- Lights amber while charging.
- Lights green when fully charged.

 **Note:** Through normal use, the capacity of a battery pack gradually declines. Should you notice that the battery does not stay charged as long as expected, it is probably necessary to replace the battery with a new one. Please refer to the section "Battery Replacement" in this chapter. Depending upon use, a battery pack should recharge from full depletion approximately 300 times during the life of the battery.

Battery Replacement

Note the following when replacing batteries:

- If the main battery becomes weak, the MobilePro automatically turns off. Recharge or replace the main battery immediately if the power goes off.
- MobilePro has a built-in backup battery that maintains your data for several hours whenever the main battery is depleted or removed. The backup battery is recharged whenever the unit is connected to an AC power source.
- If you fail to replace a depleted main battery for an extended period of time and the back-up battery is weak, the contents of the MobilePro memory and all user data may be lost.

Removing and Inserting the Battery Pack

Should you notice the life of a charged battery pack is short, replace it with a new one. Follow these instructions below to replace a battery pack.

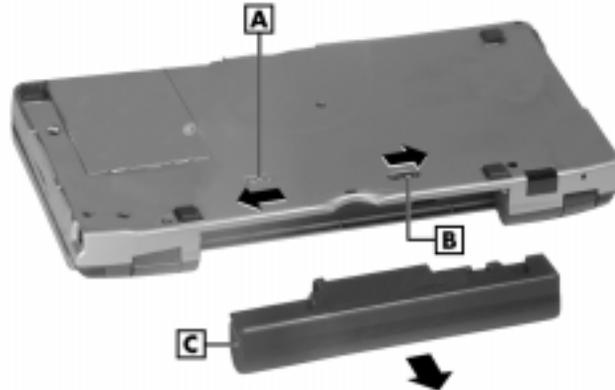
1. Save your data, turn off unit power, and close the display panel. Disconnect any cables attached to the unit, such as the AC adapter cable.

 **Note:** If you receive messages indicating that both the main battery and the backup battery are very low, immediately connect the AC adapter to charge both batteries.

2. Have a new Lithium-Ion battery pack available.
3. Remove the battery pack as follows.
 - Locate the battery lock and release latch on the bottom of the system.

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- 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 its bay.

Removing the battery pack

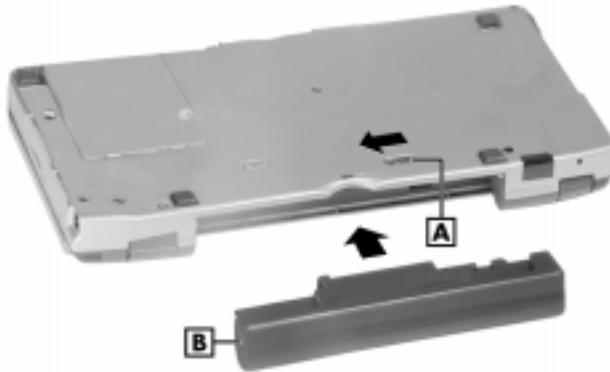


A – Battery release latch **B** – Battery release lock
C – Lithium-Ion battery pack

4. Insert a new battery pack as follows.

- Put the new Lithium-Ion battery pack in the bay and slide the battery in the direction of the arrow, as indicated in the following figure.

Inserting the battery pack



A – Battery release lock **B** – Lithium-Ion battery pack

- Firmly press the battery until it is securely in the bay and clicks (locks) into place.
- Slide the lock back to the locked position.

 **Note:** Be sure to slide the lock back to the locked position. The NEC MobilePro *will not* power on when the lock is in the unlocked position.

Battery Precautions

Read the following battery handling precautions to insure your safety.

WARNING

Adhere to these warnings when handling batteries. Failure to do so may result in personal injury.

- There is a danger of explosion if the battery is incorrectly replaced. Replace only with the same type recommended by the manufacturer.
- Discard used batteries according to the manufacturer's instructions. Never dispose of batteries by burning them.
- Dispose of used batteries promptly.
- Keep batteries away from children.
- Do not subject batteries to impact.
- Do not subject batteries to heat sources including direct sunlight, open fires, microwave ovens, and high-voltage containers.
- Do not recharge battery unless they are specifically designed for recharging.
- Do not disassemble batteries.
- Do not solder or puncture batteries.

 **WARNING (cont'd)**

- Do not use a battery that is damaged or deformed, has any rust on its casing, is discolored, overheats, or emits a foul odor.

CARING FOR THE MOBILEPRO

The NEC MobilePro is a durable, dependable unit built for extensive use and travel. Follow these guidelines to maintain the condition and performance of your MobilePro.

 **CAUTION**

Immediately turn off and unplug the MobilePro under the following conditions.

- The power cord is damaged or frayed.
- Liquid spills on or into the unit.
- Someone drops the unit or damages the casing.

Precautions

Follow these precautions when using your NEC MobilePro and AC adapter.

- Always plug the AC adapter cord into an easily accessible outlet. It is important to be able to easily shut off power by unplugging the AC adapter if needed.
- Avoid dropping or bumping the MobilePro or the AC adapter.
- Do not stack heavy objects on the MobilePro or the AC adapter.

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- When using the AC adapter, make sure the power source falls within the unit's compatible range of 100–240 volts AC. Never use the AC adapter if the voltage falls outside of this range. (Watch for this when traveling to other countries.)
 - Turn off the MobilePro power before attaching or removing devices.
 - Do not push any foreign objects into the MobilePro bays, connectors, and slots.
 - Avoid using the unit or AC adapter for extended periods in direct sunlight.
 - Do not use the unit in humid or dusty environments.
 - Turn off the MobilePro power before cleaning the system.
 - Avoid exposing the MobilePro or AC adapter to extreme changes in temperature or humidity. If it is unavoidable, allow your MobilePro to adjust to room temperature before use.
 - When cleaning the system, use a soft, clean, slightly damp, almost dry cloth. Avoid wiping the display surface with abrasive material, including rough fabric. Do not use a cleaning solution; this may damage the plastic.
 - If the AC adapter becomes extremely hot, unplug the adapter and let it cool.
 - Keep the AC adapter away from the IrDA port to ensure stable communication/transfer operations.

Storage Requirements

Store the NEC MobilePro and AC adapter in an environment that meets the following conditions.

- Maintain storage temperatures between 14°F and 140°F (–10°C and 60°C).



CAUTION

If the temperature of the NEC MobilePro suddenly rises or falls (for example, when you move the system from a warm place to a cold place) vapor condenses inside the system. Turning on the unit under this condition can damage the internal system components.

Before turning on the NEC MobilePro, wait until the unit's internal temperature equalizes with the new environment and any internal humidity evaporates.

- Keep the storage area free from vibration and magnetic fields.
- Keep the unit and its components away from organic solvents or corrosive gases.
- Avoid leaving the unit and its components in direct sunlight or near heat sources.

Routine Cleaning

Clean or dust your system as follows.



CAUTION

Never use harsh solutions, household cleaners, or spray cleaners that contain caustic materials on the MobilePro.

These cleaners are usually high in alkalinity, which is measured in pH. Using these cleaners can cause the plastic surface to crack or discolor.

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- Display screen — Carefully wipe the LCD screen with a soft cloth or a screen wipe designed for that purpose. Special screen wipes are available through your local computer dealer.
 - Unit case — NEC recommends that you carefully wipe the case with a slightly damp, almost dry cloth.