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# Introduction to Your MobilePro Power System

Congratulations on purchasing the NEC MobilePro™ Professional PC Companion powered by the Microsoft® Windows® CE operating system. The portability and capabilities of this device, including instant-on and easy synchronization to your PC, allow you to keep your most important business and personal information up-to-date and close at hand.

Be sure to read the contents of this document for information about maximizing the device's power capabilities.



## CAUTION

If you power off, then quickly power on the NEC MobilePro, your system may erroneously report the presence of PC cards and/or CompactFlash cards.

In addition, quickly pressing the POWER key several times in a few seconds (repeatedly powering the unit off and on), may cause PC card and/or CompactFlash card data loss. NEC recommends that you wait ten seconds after powering off, before powering on the NEC MobilePro.

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## ***Windows CE Operating System***

The Windows CE operating system and pre-loaded applications are stored on a Read-Only Memory (ROM) module. ROM modules are electronic circuits that cannot crash. Files cannot be added or deleted from ROM, by a user, and removing power from your MobilePro unit has no adverse effect on ROM storage.

Additional program applications and files that you add to your MobilePro are stored in Random Access Memory (RAM). The RAM in your MobilePro is protected when the unit is running on battery power or plugged into an AC power source. To ensure the safety of your data and user installed software, please carefully follow the battery charging instructions.

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## Using MobilePro's Power Sources

The MobilePro is powered by one of two power systems: battery power (main and backup batteries) or AC power.


Connect your MobilePro to a standard 110 volt AC socket using the AC adapter that ships with your unit. The battery systems recharge when the unit is connected to an AC power source.



### CAUTION

Use only the MobilePro 880 battery (MC/BA11A) in the MobilePro 880 system (MC/R730A). Do not use the MobilePro 800 battery (MC/BA11) in the MobilePro 880 system. Use of the MobilePro 800 battery in the MobilePro 880 system may cause battery damage and/or system data loss.

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 **Note:** Before using the system for the first time, allow ten hours for both the main and the backup batteries to fully charge, even if the indicator on the front of the MobilePro lights green before the full ten hours are passed. You must repeat this full ten hour charge cycle, only if the backup battery becomes fully discharged.

To protect your data, do not use the system until the backup battery is charged. Recharge the battery whenever the battery charging LED lights amber.

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## Main Battery

The main battery is a rechargeable Lithium-Ion battery pack that provides power to operate the unit when it is not connected to an AC power source. It is advisable to operate the unit on AC power, whenever possible, to maintain a fully charged main battery, ready for mobile operation.

*Do not remove the main battery from the MobilePro unit for an extended period of time.*

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## ***Backup Battery***

The MobilePro is equipped with a built-in backup battery to protect against data loss, should the main battery become discharged or be removed. The backup battery is recharged whenever the unit is connected to its AC adapter. Once your unit is powered off due to low battery, the backup battery, together with the charge remaining in the main battery, can maintain your data for up to a week.

The backup battery is not a user serviceable part.

For details about installing the battery and connecting the unit to an AC power source, refer to Chapter 1, “Getting Started,” in the NEC MobilePro User’s Guide.

## ***Determining Battery Status***


You can determine battery status using the power icon in the Control Panel. For additional details, refer to the section, “Determining Battery Status,” in Chapter 2 of the user’s guide.

## ***Recharging the System Batteries***

Recharging the MobilePro’s main and backup batteries couldn’t be easier! Simply connect the unit to an AC power source. Recharging time for the system batteries is approximately 5 hours with the system on or off.

## ***Extending Battery Life***

As you become familiar with your MobilePro, you may want to consider some of the following options to optimize battery life.

- Keep your NEC MobilePro connected to an AC power source whenever possible.
- Use the brightness down  key or the **Fn + Space** key combination to reduce the brightness of the MobilePro’s display panel.
- Remove PC cards and CompactFlash cards from the MobilePro unit when not in use.
- Remove all USB devices when not in use. (MP880 only.)

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- Turn off the VGA Out setting in the MobilePro Settings applet when not connected to an external monitor.
  - Configure the LCD Suspend/Resume setting in the MobilePro Settings applet to automatically suspend the system when the lid is closed.
  - Configure the Backlight setting in Control Panel, Display Properties, to turn off the system's backlight after a brief period of inactivity.
  - Disable the Advanced Backlight setting in Control Panel, Display Properties, to prevent the backlight from turning on when a key is pressed or the screen is tapped.
  - Configure the Power Off setting in Control Panel, Power, to automatically suspend the system after a brief period of inactivity.

For details about the MobilePro Settings applet, refer to Chapter 4 of the user's guide. Refer to the online help for information about the Control Panel settings.

## ***Protecting Your Data***

You can prevent data loss in a variety of ways when using the NEC MobilePro. To prevent data loss:

- connect your MobilePro to an AC power source, whenever possible.
- keep the main and backup batteries fully charged.
- perform regular backups of your NEC MobilePro data. For details about backing up and restoring your data, refer to Chapter 3 of the user's guide.



**Note:** Connect your MobilePro to an AC power source daily to maintain the system batteries charge.

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For additional details about any of the topics described in this document, refer to your NEC MobilePro User's Guide that ships with your system.