

MobilePro™ HPC

User's Guide

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Notices

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and

2. this device must accept any interference received, including interference that may cause undesired operation.

WARNING

FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION

- Danger of explosion if battery is incorrectly replaced.
- Replace only with the same or equivalent type recommended by the manufacturer.
- Dispose of used batteries according to the manufacturer's instructions.

Note: A shielded interface cable is required to ensure compliance with FCC regressions for Class B certification.

- Danger of explosion if AC adapter is incorrectly used.
 - Use only the AC adapter recommended by the manufacturer.
 - Use the AC adapter only when the socket-outlet is near the equipment and easily accessible.
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Proprietary Notice and Liability Disclaimer

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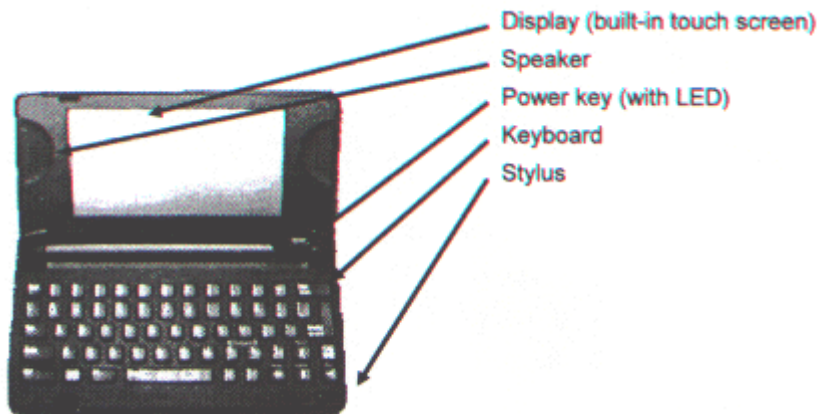
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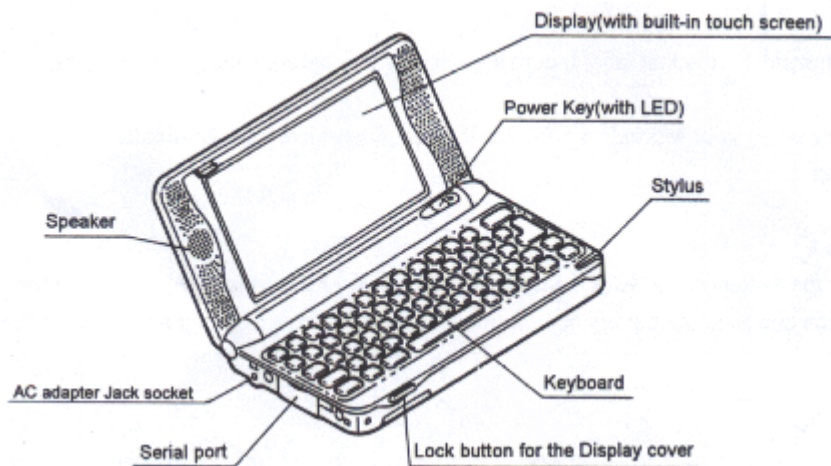
External Appearance



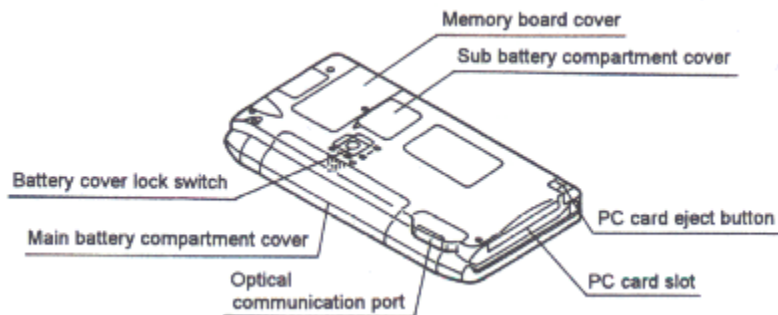
Important Note

As a general rule. Synchronize data between your MobilePro HPC and your desktop frequently to assure data back-up if your batteries fail.

(Side View)



(Bottom View)



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Loading the Main Battery

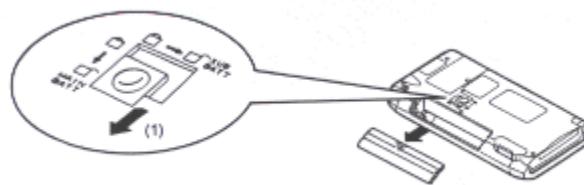
CAUTION

When using the MobilePro HPC for the first time, install the Main battery before installing the Sub battery (back-up).

Before using your MobilePro HPC for the first time, insert the 2AA batteries (provided) as follows:

Step 1

Slide the battery cover **lock-switch** on the bottom of the MobilePro HPC to the **MAIN_BATT** position and slide the battery compartment cover in the direction of the arrow to remove.



Step 2

Align the batteries as shown inside the battery compartment and insert two AA Alkaline batteries into the battery compartment. Be sure to place the batteries on top of the ribbon in the battery compartment as shown below.

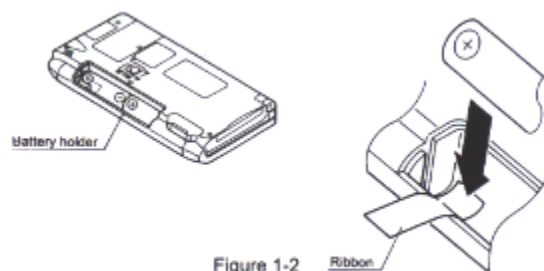


Figure 1-2

Step 3

Replace the battery compartment cover, as shown and slide the lock switch to the **LOCK** position.

NOTE:

The unit operates only when the lock switch is in the **LOCK** position.

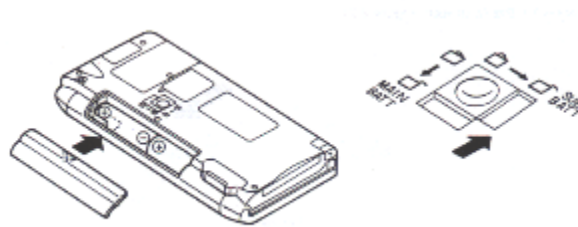


Figure 1-3

CAUTION

When exchanging the main battery, be sure to read "[Replacing Batteries](#)".

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Installing the Sub Battery (Back-up Battery)

The sub battery backs up the MobilePro HPC system's memory.

Step 1

Slide the battery cover **lock-switch** on the bottom of the MobilePro HPC to the **SUB_BATT** position. Remove the sub battery compartment cover using the stylus as shown in the illustration below.



Figure 2-1

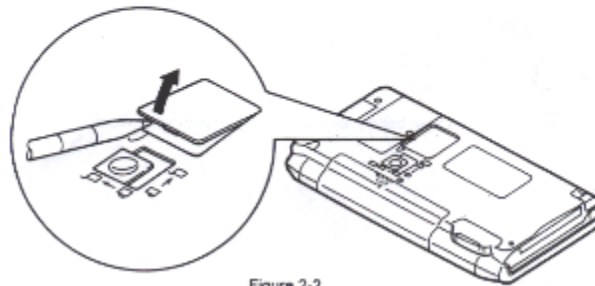
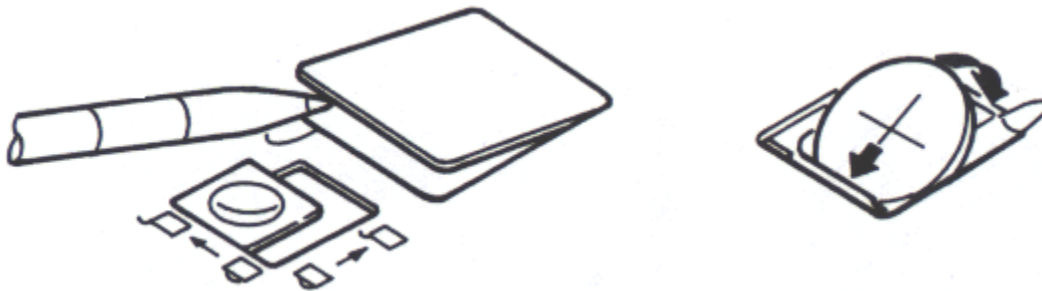


Figure 2-2

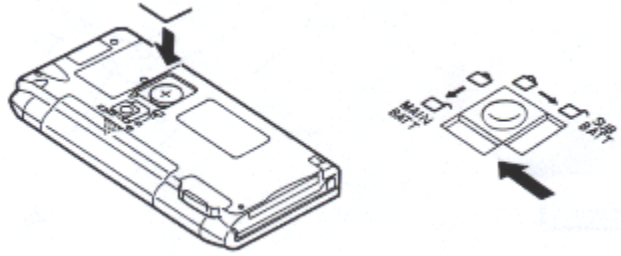
Step 2

Insert the sub battery (CR2032) into the sub battery compartment with the plus mark (+) facing up toward you.



Step 3

Replace the sub battery compartment cover. Then slide the lock to the **LOCK** position.

**CAUTION**

You can operate the MobilePro HPC only when the battery cover lock switch is in the lock position. For your data protection, be sure to install both the main batteries and the sub battery before turning on the power key.

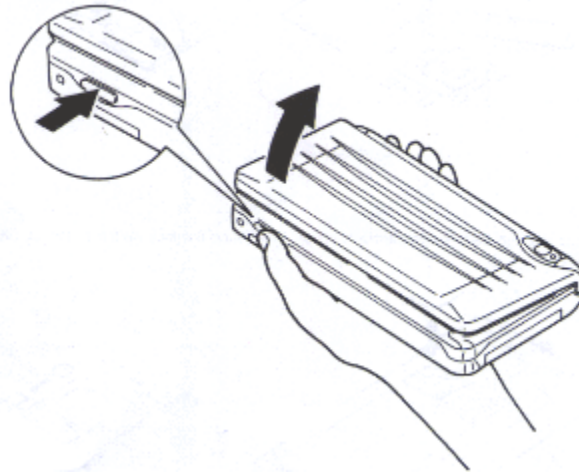
When you replace the batteries, be sure to read "[Replacing the batteries](#)".

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Opening the Display Cover

Step 1

Push the lock button, then lift the display cover in the direction of the arrow as shown below.



CAUTION

When the MobilePro HPC is not in use, or when carrying it, keep the display cover closed. This will help prevent accidental damage to the touch screen or keyboard.

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Turning the Power On

Step 1

Press the power key on the MobilePro HPC as shown below.



IMPORTANT

The first time you power on the MobilePro HPC, the screen contrast may need adjustment. If necessary, adjust the contrast. See [Adjusting the Contrast](#).

NOTE

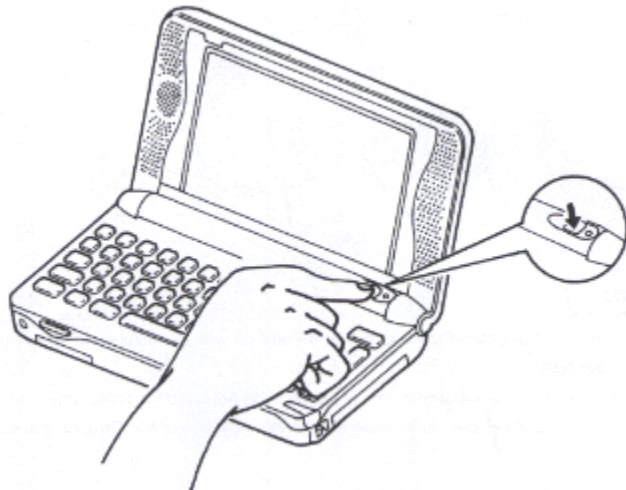
The power may be turned on and off with the display cover in the closed or open position.

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Turning the power Off

Step 1

With the power on, press the power key to turn the power off.



IMPORTANT

- You can turn the MobilePro HPC power on and off with the display cover in the closed or open position.
- The MobilePro HPC will automatically switch off if not used for some time. You can

select how long the unit will remain on from the **POWER** selection of the Control Panel.

NOTE

If you use the **alarm function** in the Windows CE software, and the LED on the power switch blinks, pressing the power switch once will turn off the blinking LED. Pressing the power switch again, will turn off the MobilePro HPC.

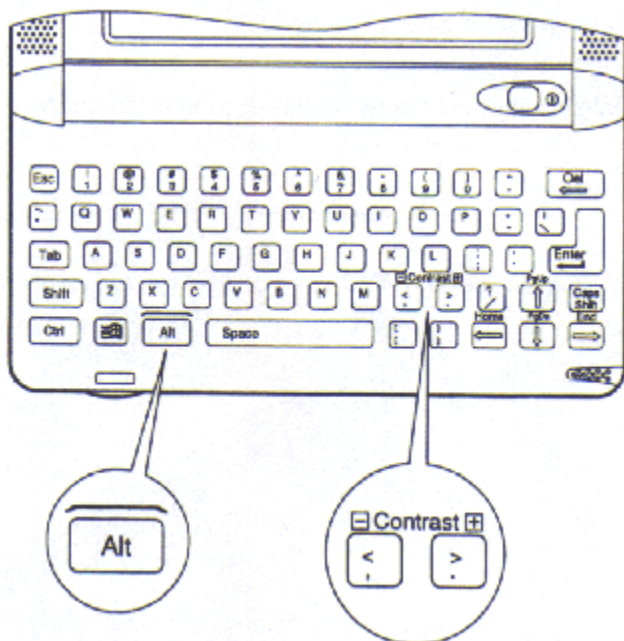
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Adjusting the Contrast

Step 1

You can adjust the contrast on the MobilePro HPC touch screen to make it darker or lighter. To adjust the contrast, press the **ALT** key and the < or the > key simultaneously.

- Hold the **ALT** key down and press the **>** key to darken the screen.
- Hold the **ALT** key down and press the **>** key to darken the screen.

**NOTE**

You can also adjust the contrast through **Windows CE Control Panel**.

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Removing the Stylus

Raise the display lid on the MobilePro HPC. Then slide the Stylus in the direction of the arrow (seen below) to remove it.



CAUTION

Never use a device other than an approved stylus with your MobilePro HPC. Hard pointed, or sharp objects can damage the touch screen.

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First Time MobilePro HPC Setup

The first time you turn the MobilePro HPC power on, you will have the opportunity to customize some settings to your liking. A **Windows CE Setup Wizard** will guide you through your options.

For example, through the Setup Wizard you can:

- Customize the unit for your name, address, etc.
- Add a security password
- Set the location and time
- Calibrate the stylus input

To use the Setup Wizard, simply follow the on-screen instructions.

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Inserting a PCMCIA Card

NOTE

NEC recommends using an AC Adapter (optional on some models) when using PCMCIA cards, or modems. This will avoid potential data loss caused by the high energy consumption of some PC Cards.

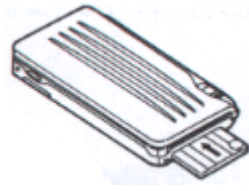
It is a good idea to save your data before you insert a new PCMCIA card.

Step 1

Make sure the power is turned off.

Step 2

Insert a PCMCIA card into the PCMCIA card slot as shown above. Be sure the PCMCIA card is facing up. The PCMCIA card should fit securely into position.

**CAUTION**

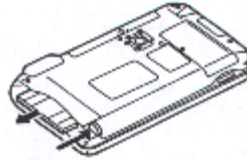
- Be certain to turn off the power before inserting a PCMCIA card.
- Be sure you insert the PCMCIA card in the right direction. Inserting a PCMCIA card in the wrong direction may cause damage to the MobilePro HPC.

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Removing the PCMCIA Card

Step 1

Press the **Eject** button as shown to eject a PCMCIA card from the PCMCIA card slot.



CAUTION

Make sure to turn off the Power on the MobilePro HPC before pressing the **Eject** button.

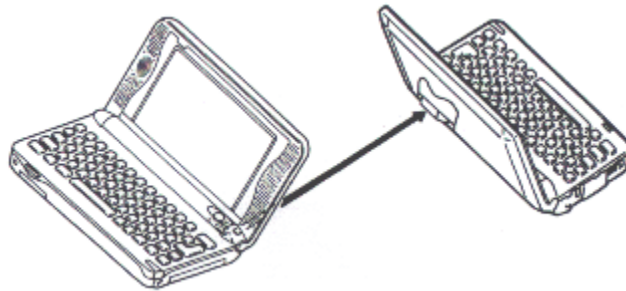
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To Transfer Data

The MobilePro HPC can send and receive data to and from another Handheld PC (HPC) using the optical communications port.

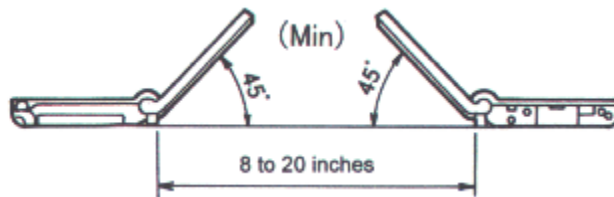
Step 1

Raise the display cover on both HPC devices as shown below.



Step 2

Position the MobilePro HPC and the other HPC facing each other (8 to 20 inches apart). Be sure that there is nothing obstructing the path between the optical communication ports on both HPCs.



NOTE

If the HPC's are too far apart, or if something blocks the path between the two ports, data may not be sent or received correctly.

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Connecting an AC Adapter

When using your MobilePro HPC for long periods of time, when in one location, or when using PCMCIA cards, we recommend using the AC Adapter. This will help save battery life for when you're on the go, and will prevent data loss due to high energy consumption of some PCMCIA cards.

AC Adapter:

S1424-11 Listed Direct Plug-In Power Unit, Class 2

Rated Voltage:

Input 100V to 240V AC, 60Hz, 8W

Output DC3V, 1000mA

Step 1

Make sure the MobilePro HPC is turned off. Insert the plug on the AC Adapter into the AC jack socket on the MobilePro HPC (located on the left side of the unit).

Step 2

Plug the AC Adapter into an AC outlet. Then turn on your MobilePro HPC unit.

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Disconnecting an AC Adapter

Step 1

Make sure the MobilePro HPC is turned off.

Step 2

Remove the power plug from the AC outlet.

Step 3

Disconnect the AC Adapter by removing the plug from the AC Adapter jack socket on the MobilePro HPC.

CAUTION

- **When using the AC Adapter, the socket-outlet should be near the MobilePro HPC and easily accessible.**
- Be certain that the MobilePro HPC is off before connecting or disconnecting an AC Adapter.
- It is important to keep the main batteries loaded when running the AC Adapter. You cannot power up the MobilePro HPC without the main batteries installed.
- Using an AC Adapter can conserve the battery power. When communicating for a long time, it is recommended to use an AC Adapter. Note the following when using an AC Adapter.
 - An AC Adapter is not available if the main batteries are not loaded or the battery worn-out message is displayed.
 - Confirm that the power of the main unit is turned off before connecting the AC Adapter.
 - Turn the power of the main unit off before removing the AC Adapter.

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Replacing the Batteries

CAUTION

For replacing batteries:

- The power is automatically turned off if the MobilePro HPC is kept running when the batteries are too weak. You must replace the batteries immediately if the power is turned off.
- Always, use two new batteries of the same type, same manufacturer.
- User memory may be lost if the main batteries are not in place for a long time and the sub battery is weak.
- If you use the MobilePro HPC without the sub battery installed, the user memory may be unstable. The contents of the user memory may be lost when the main batteries are removed.
- Always backup you data to the desktop before replacing the sub battery.

If the *Battery Very Low* message appears while using your Mobile HPC, immediately replace the batteries as described below.

The following message is displayed when the main batteries are worn out.

Main Batteries Very Low....

CAUTION

If both the "Main Battery Very Low" and the "Sub Battery Very Low" messages are indicated, replace the sub battery first.

Step 1

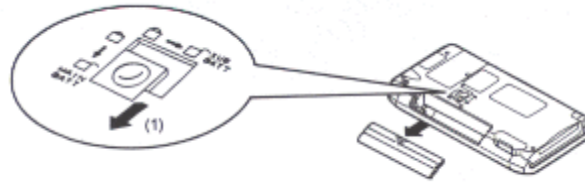
Turn the MobilePro HPC off.

Step 2

Have two (2) new AA Alkaline batteries available.

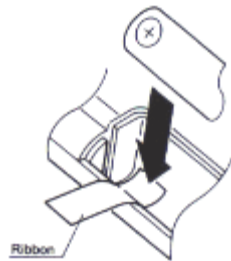
Step 3

Slide the battery lock switch on the bottom of the unit to the **MAIN_BATT** position. Carefully slide the battery compartment cover in the direction of the arrow as shown. Remove the cover and take out the old batteries.



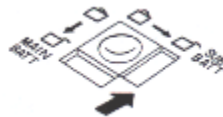
Step 4

Insert two new AA Alkaline batteries into the battery compartment. Make sure the batteries are placed on top of the ribbon, as shown below.



Step 5

Replace the battery compartment cover and slide the lock switch to the **LOCK** position.



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Replacing the Sub Battery (Back-up Battery)

If the Backup Battery Very Low message appears while using your MobilePro HPC, replace the battery immediately. Remember to first back up your data to the desktop before removing the sub battery.

CAUTION

- Replace the battery with Sony, CR2032 only.
- Use of another battery may present a risk of fire or explosion.

WARNING

- **Battery may explode if mistreated.**
- **Do not recharge, disassemble or dispose of in fire.**

The following message is displayed in the **Power property window** when the sub battery is weak.

Backup Battery Very Low....

When the operating backup battery is depleted, replace it promptly with new a new battery. If depleted main batteries are not replaced, the sub battery drains more quickly than normal.

Step 1

Turn the MobilePro HPC off.

Step 2

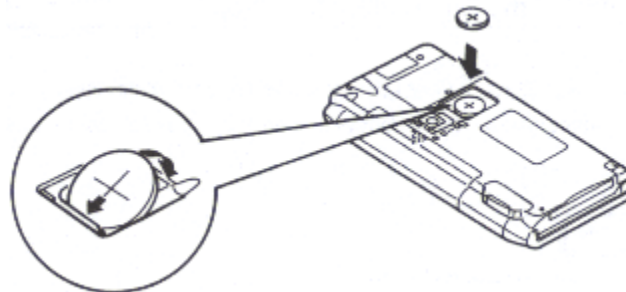
Have a new backup battery available (Lithium, CR 2032).

Step 3

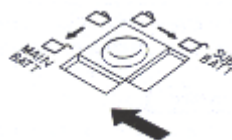
Slide the battery lock switch on the bottom of the unit to the **SUB_BATT** position. Pull the **sub-battery compartment** cover in the direction of the arrow as seen bellow using the stylus. When the cover is removed, use the stylus to help remove the sub battery from its compartment.

**Step 4**

Insert the new sub battery (CR2032) with the plus (+) mark facing up. See below.

**Step 5**

Replace the sub battery cover and slide the lock switch to the **LOCK** position.

**CAUTION**

- When the batteries in your MobilePro HPC are very weak, the unit will turn off. Replace the batteries immediately!
- Always use two of the same kind of battery (Do not mix Alkaline and NiMH, for example).
- If both the main batteries and the back-up batteries are weak, data may be lost. Always replace weak batteries as soon as possible. Replace the sub battery first.
- Using the MobilePro HPC without a backup battery could result in data loss.
- **Dispose of used batteries promptly, keep away from children.**

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Connection Using a Direct Connection Cable

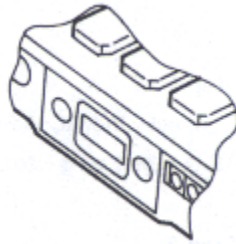
You can connect to a desktop or laptop PC by using the MobilePro HPC Direct Connection Cable. Available as an option.

Step 1

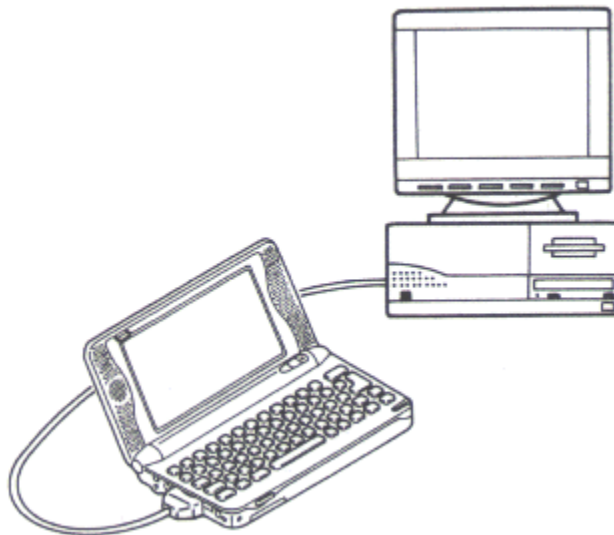
Make sure the power is turned off on the MobilePro HPC and your PC.

Step 2

Carefully connect the 14-pin end of the Direct Connection cable to the serial port on your MobilePro HPC.

**Step 3**

Connect the 9-pin end of the Direct Connection cable to your PC Serial Port.

**CAUTION**

- Be sure the power is turned off on your MobilePro HPC and your PC before connecting the cable.
- Make sure the ends are connected in the right orientation. Incorrect connection could cause damage to the MobilePro HPC.

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Connection Using a MobilePro HPC Cradle

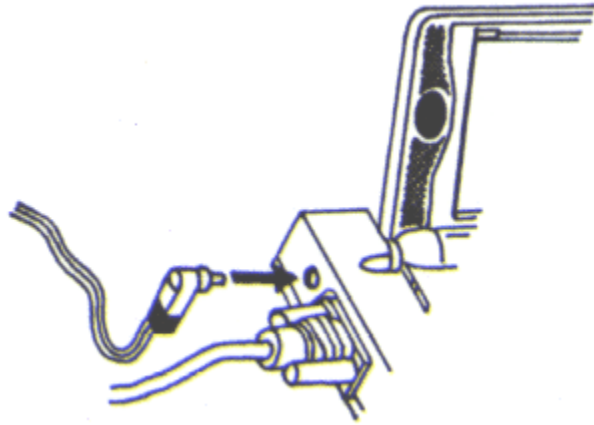
Using a cradle next to your desktop or laptop is a good way to insure easy synchronization with your MobilePro HPC. Available as an option.

NOTE

The AC Adapter is an option on some models.

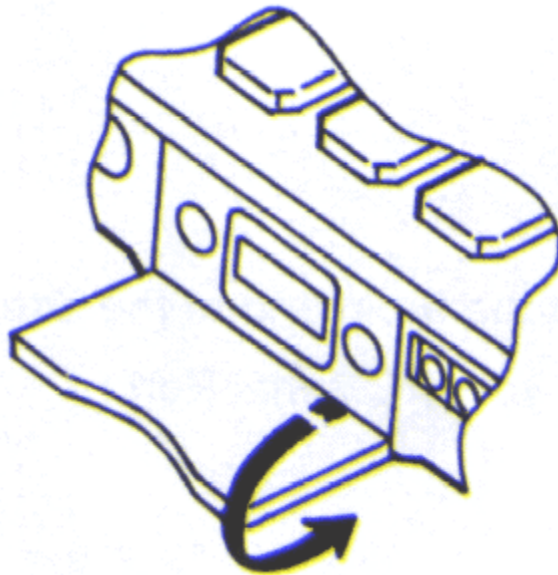
Step 1

Connect the AC Adapter to the cradle by inserting the AC Adapter plug into the AC connection on the cradle.



Step 2

Make sure the power on the MobilePro HPC is turned off. Rotate the cover for the serial port to the direction of the arrow, then lock it at the bottom.



Locate the serial port on your MobilePro HPC and **gently slide** it into the cradle until the port on the unit and the connector on the cradle lock.

CAUTION

- Be certain to turn off the MobilePro HPC before connecting to the cradle.
- **ALWAYS** slide the unit into and out of the cradle. **DO NOT ATTEMPT TO LIFT IT OUT.** Doing so, may damage the unit and the cradle connection.

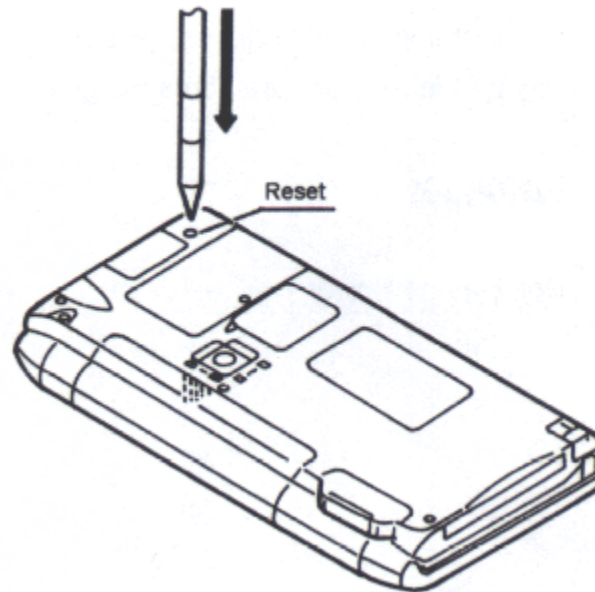
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Resetting the MobilePro HPC

You may sometimes wish to reset your MobilePro HPC, Always backup your data to the desktop software before resetting the MobilePro HPC.

Step 1

Locate the **RESET** button on the bottom of the MobilePro HPC as shown bellow.



Step 2

Using the stylus, press the RESET button. The unit is now reset.

CAUTION

Stored data may be lost by resetting your MobilePro HPC.

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