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IBM Personal System/2
Model L40 SX
Reference Summary

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IBM Personal System/2
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Reference Summary

PICTURE 1

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This Reference Summary provides a quick summary of information necessary for the operation of the IBM Personal System/2 Model L40 SX. Because this Reference Summary does not intend to cover all the operational information, refer to the *PS/2 Model L40 SX Quick Reference*, 84F7577 for further information.

The information herein is extracted from 84F7577.

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FRONT_1 Economical Use of Your Computer

A battery-powered computer has limited power. To minimize the power usage and allow you to use your computer longer with a battery, do the following.

- Close the display or turn off the power when you are not operating the computer.
- Set the brightness and contrast controls as dim as possible consistent with readability.
- Set the Economy switch to **A** position.
- Using **Set features**, change the power management options as follows:

- Internal-Device Power Off

Set as low value as possible for each option. The Backlight especially should be the lowest possible value.

- System Speed

Computer processing speed affects power usage.

- If the Economy switch is set to **M** position:

- Select the slower speed if possible.

- If the Economy switch is set to **A** position:

- Select **Long Battery Life** option.

- Power Control for Communication Devices

Specify **Off** for each serial and parallel port you do not use.

To start the Set features:

- If your computer already has the Set features installed:

- Type **PS2** and press Enter at the command prompt.

- If your computer does not have the Set features installed:

- 1. Start the Backup Reference Diskette.

- 2. Select **Set features** on the Main Menu.

- 3. Select **Set features menu** on the Set Features Main Menu.

For more information about the Set features, see the *PS/2 Model L40 SX Quick Reference*.

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Charging the Rechargeable Battery

FRONT_2 Charging the Rechargeable Battery

The rechargeable battery is automatically charged when this battery is installed and an AC adapter is plugged in. Charging is performed even when the computer is operating.

It takes approximately 10 hours to be fully charged.

FRONT_3 Monitoring Battery Charging

While charging the battery, you can see how much power has been stored through an icon shown in the system-status display.

1. Open the display.
2. Turn on the power switch.
3. One of the following icons appears and indicates the battery charge.

PICTURE 2	Low charge
PICTURE 3	Half charge
PICTURE 4	Full charge

FRONT_5 Changing Your Power-On Password

Follow the instructions below to change your power-on password.

Warning: Be sure to note your new power-on password when you change the current one. If you forget it, the password needs to be canceled (see "Canceling Your Power-On Password" in topic FRONT_7).

1. Turn on the computer.
2. When the password prompt appears, type your current password, then press the key 1 located above the right ALT key.
3. Type your new password (seven characters or less).
4. Press **Enter**.
5. Note your password and store it in a safe place.

PICTURE 9

FRONT_6 Removing Your Power-On Password

Follow the instructions below to remove your power-on password.

1. Turn on the computer.
2. When PICTURE 10 appears, type your current password, then press the key 1 located above the right ALT key (refer to the above figure).
3. Press **Enter**.

FRONT_7 Canceling Your Power-On Password

If you forget your power-on password, take the computer to an IBM Authorized Dealer or IBM for service. Positive proof of identification is required.

The Dealer or IBM may record the computer serial number and you may be charged for this service.

FRONT_8 Command Summary for Set Features

PS2 [option 1] [option 2]

option 1:

SET
?
Help

option 2:

Keyboard Speed	Fast Med Slow
Keyboard Click	ON OFF
Audio	ON OFF
LOW battery alarm	ON OFF
LCd	XX minutes (0 - 20)
DISK	XX minutes (0 - 20)
Power off	XX minutes (0 - 20)
DISplay map	Color Mono
LCD CRT	
SERial	OFF On
Normal	
Reversed	
Modem	OFF On
SERial Adapter	OFF On

Notes:

1. Do **NOT** use SET option to specify the following.

PS2 OFF
PS2 ON at *HH:MM:SS*

2. Use SET option to specify the following.

PS2 SET Parallel OFF|ON
PS2 SET AUTO Battery|Performance
PS2 SET MAnual 20|10|5

Warning: To avoid data loss, set the manual speed to 20 MHz when using serial communications at a speed of above 9600 bps.

IMPORTANT

If this problem determination does not fix your computer problems, always consult the "Solving Computer Problems" section described in the *Quick Reference*.

Problem	Check / Action
Nothing displays with no beep.	<ul style="list-style-type: none"> <input type="checkbox"/> Ensure that the rechargeable battery is fully charged and properly installed. <input type="checkbox"/> Try the same operation using the AC adapter. <ol style="list-style-type: none"> 1. Connect the AC adapter to the computer and plug the power cord into a working electrical outlet. 2. Turn on the power switch. <p>If the problem is fixed, suspect the rechargeable battery.</p>
Nothing displays with one beep.	<ul style="list-style-type: none"> <input type="checkbox"/> Adjust both Contrast and Brightness controls. <input type="checkbox"/> Check to see if <i>Display device</i> option specified by the Set Features program is correct. <input type="checkbox"/> When you use an external PS/2 display, power on the display and turn up the brightness control, then press Ctrl+Alt+Del.
PICTURE 11	<ul style="list-style-type: none"> <input type="checkbox"/> The icon stays on: The computer is in Suspend Mode. <ul style="list-style-type: none"> - Is the rechargeable battery properly installed? - Is the battery fully charged? <input type="checkbox"/> The icon is blinking: The computer is returning to Resume Mode. Wait for a moment.
PICTURE 12 This icon stays on.	<p>This icon appears when the temperature of the computer is out of operating range. Power off the computer and check to see if the computer has been:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Exposed to strong sunlight for a long period <input type="checkbox"/> Left in an enclosed car on a hot day <input type="checkbox"/> Left at a cold place for a long period.
PICTURE 13 This icon stays on.	<p>This icon appears when condensation is detected. Power off the computer or close the computer display for a while.</p>
PICTURE 14 This icon is blinking.	<p>No power left in the rechargeable battery.</p> <p>Charge the rechargeable battery.</p> <p>Note: Two beeps sound when this icon begins to blink.</p>
The serial port does not work.	<p>Ensure that <i>Onboard Serial power</i> is set to On in the Set Features program.</p>
The modem or optional serial adapter does not work.	<p>Check to see if <i>Data/Fax Modem power</i> or <i>Serial Adapter power</i> is set to On in the Set Features program.</p>
Printer attached to the parallel port does not work.	<p>Ensure that <i>Onboard Parallel power</i> is set to On in the Set Features program.</p>
Parallel power is not off.	<p>The parallel power can be removed only when both Onboard Serial power and Serial Adapter power are set to off.</p>

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If the Computer Does Not Work

	Set <i>Onboard Serial power</i> and <i>Serial Adapter power</i> to Off in the Set Features program.
161, 162, or 164 error code on the screen.	Start your backup Reference Diskette and follow the instructions on the screen. Note: Automatic Configuration is necessary after installing an optional feature.
Graphics display unreadable.	Check the reverse video setting in the Set Features program.
Disk drive slow to operate.	Temperature may be too low. Power off or close the computer display. Do not use until the computer is at a temperature inside the specified operating range.
All keys on the keyboard do not work.	The keyboard does not work after the computer returns to Resume Mode if the power-on password is set. Enter your power-on password.