



Personal System/2 Model L40 SX Reference Summary

84F8511

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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.

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*.

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.

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.



Low charge



Half charge



Full charge

Checking Battery Power

The amount of power remaining in the battery is shown with icons.

1. Open the display.
2. Turn on the power switch.
One of the following icons appears to show the remaining power unless an external power device is connected.

The remaining power is always displayed in the system-status display as long as the power switch is on.




Full charge



Half charge



Low charge

Warning: This blinking icon  indicates the rechargeable battery urgently needs charging and that less than 3% of the battery's full power remains. The computer will enter Suspend mode in approximately 1 minute to preserve data.; *Do not leave the computer in this condition for more than 1 hour as this can shorten the lifespan of the battery.*

For your memo:

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").

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.



Removing Your Power-On Password

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

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

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.

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 MAnnual 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.



If the Computer Does Not Work

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"> • Ensure that the rechargeable battery is fully charged and properly installed. • 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"> • Adjust both Contrast and Brightness controls. • Check to see if <i>Display device</i> option specified by the Set Features program is correct. • When you use an external PS/2 display, power on the display and turn up the brightness control, then press Ctrl+Alt+Del.
	<ul style="list-style-type: none"> • 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? • The icon is blinking: The computer is returning to Resume Mode. Wait for a moment.
	<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"> • Exposed to strong sunlight for a long period • Left in an enclosed car on a hot day • Left at a cold place for a long period.

This icon stays on.

Problem	Check / Action
 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>
 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 <i>Onboard Serial power</i> and <i>Serial Adapter power</i> are set to off.</p> <p>Set <i>Onboard Serial power</i> and <i>Serial Adapter power</i> to Off in the Set Features program.</p>
161, 162, or 164 error code on the screen.	<p>Start your backup Reference Diskette and follow the instructions on the screen.</p> <p>Note: Automatic Configuration is necessary after installing an optional feature.</p>
Graphics display unreadable.	<p>Check the reverse video setting in the Set Features program.</p>
Disk drive slow to operate.	<p>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.</p>
All keys on the keyboard do not work.	<p>The keyboard does not work after the computer returns to Resume Mode if the power-on password is set.</p> <p>Enter your power-on password.</p>