Notice

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1998

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Your Eurocom Warranty

Eurocom Corporation warrants its computer hardware products to be free from defective materials and faulty workmanship under normal use and service for a period of 12 months from the date of purchase by the end user.

Upon written notice of any defect in the computer hardware supplied to Eurocom Corporation within the warranty period, Eurocom Corporation shall, at its option, replace or repair any hardware portion of the system that it determines to contain defective material or faulty workmanship.

Extended Limited Warranty

An extended warranty can be purchased for 12 or 24 months at an additional cost. The extended warranty must be purchased within 30 days of the original purchase. Eurocom Corporation must issue an extended warranty certificate in order for the extended warranty to be valid.

Exclusions

The warranty on your EUROCOM computer shall not apply to defects or damage resulting from accident, abuse, acts of third persons, power fluctuations, environmental conditions, any force of nature or other cause beyond Eurocom Corporation's control or alterations to the equipment at the customers direction.

Eurocom Corporation shall not be liable for any incidental or consequential damages including, but not limited to loss or injury to business, profits, goodwill or for exemplary damages.

Service During the Warranty Period

If your hardware should fail during the warranty period bring your computer to an authorized EUROCOM repair centre or a EUROCOM customer service centre. To locate the nearest authorized service centre in your area, please contact Eurocom Corporation at 1-888-331-0795.

When shipping equipment, please follow the repackaging guidelines listed below. Also, provide a copy of your proof of purchase. Eurocom Corporation recommends insuring the equipment for shipping.

WARNING: Shipping damage as a result of inadequate packaging is the customer's responsibility. Use the original packing material whenever possible.

Repackaging Guidelines for Returning Your Computer

1. Remove and retain cables and accessories. Ship your notebook complete with battery pack(s), AC Adapter and/or defective accessories.
2. Included a detailed problem description and/or test sample that illustrate the problems you are having.
3. Package well. Use the original shipping container and packing materials if possible.

4. Provide your complete name, address, telephone number and fax so we can contact you if required.

Important safety instructions

Please read and follow these important instructions.

1. Follow all warnings and instructions marked on this product.
2. Unplug this product from the wall outlet before cleaning it or connecting peripheral devices.
3. Use a damp cloth with mild soap to clean this product. Do not apply cleaner directly to the unit. Do not use volatile or abrasive cleaners on this product.
4. Do not place this product on an unstable surface where it may fall.
5. Do not block or cover the system's ventilation openings. Also, never place this product near or over a radiator or heat register, or in a built-in installation unless adequate ventilation is provided.
6. Operate this product in accordance with its rated power specifications. If you are unsure of your local power specifications, consult your dealer or local Power Company.
7. This product is equipped with a 3-wire grounding type plug. This is an important safety feature; do not defeat its purpose. If you do not have access to such power, have a qualified electrician install a proper outlet.
8. Do not allow anything to rest on the power cord. Do not locate this product where persons will likely walk on the cord.
9. If an extension cord is used with this product, make sure the total current drawn by the products plugged into the extension cord do not exceed the extension cord or outlet power ratings.
10. Do not allow foreign matter to enter the system.
11. Do not attempt to service this product yourself. Opening or removing covers may expose dangerous voltage points. Refer all repair work to qualified service personnel.
12. Unplug this product from the wall outlet, do not operate it, and immediately seek proper servicing if:
    - The power cord or plug is damaged or frayed.
    - Liquid or foreign matter has entered this product.
    - This product has been exposed to rain or water.
    - This product has been dropped or damaged.
    - This product exhibits a distinct change in performance, indicating a need for service.
13. Do not use any battery pack other than the one specifically designed for this system. Batteries may explode or leak if exposed to fire or improperly handled or guarded. Refer battery replacement to your dealer or qualified service personnel.
14. Only use UL listed/CSA certified, type SVT/SJT power cords rated 6A 250V minimum (VDE approved or equivalent). It should be a detachable type with a minimum length of 6 feet.
15. Adjust only those controls that are covered by these operating instructions. Improper adjustment of other controls may result in serious damage to the system, which is not covered by the warranty.

Table of Content

Chapter 1: Getting Started

Chapter 2: The System

Chapter 3: Utilities

Chapter One: Getting Started

Overview

This chapter provides a short introduction and tutorial that will familiarize you with the Notebook Computer system and get you up and running quickly. It provides:

- A first look at the system.
- Basic information you need to know before you operate the system for the first time.
- An introduction to setting up and turning on the system.

For detailed explanation of the Notebook Computer's features and operation, refer to the following chapters.

Getting Started

Specifications

The state-of-the-art Notebook Computer offers a host of features specially designed to enhance performance and usability:

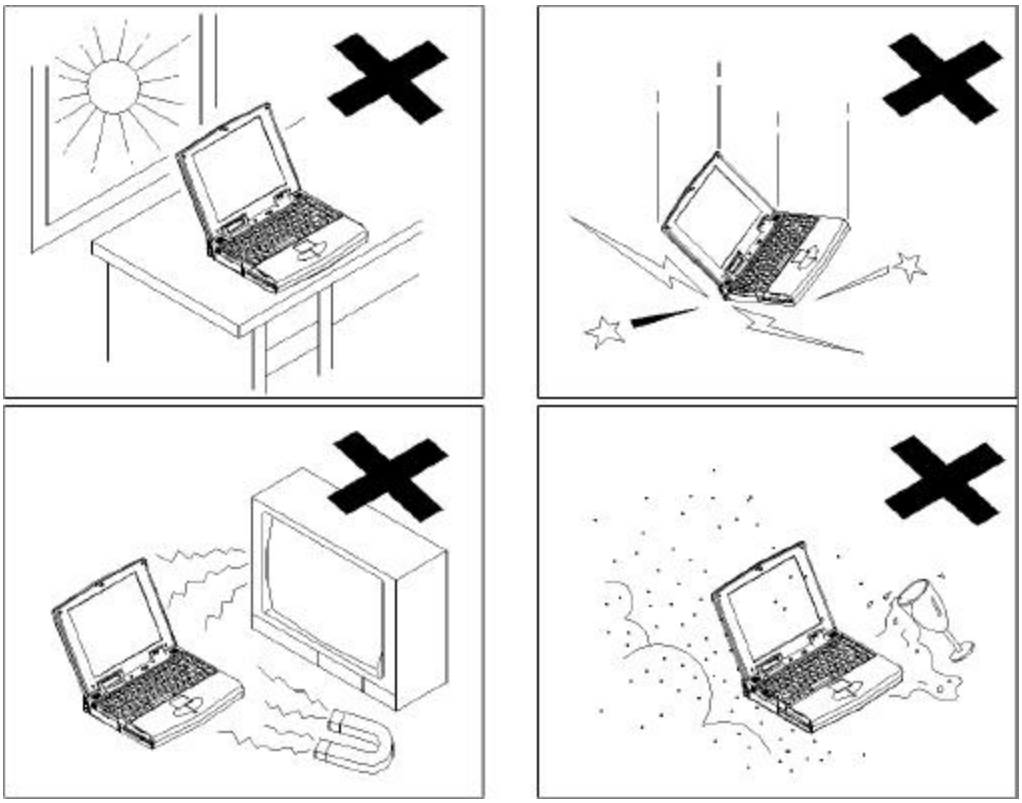
Architecture	PCI local bus 2.1	
CPU	Intel Pentium	75/90/100/120/133/150/166/200 MHz
BIOS	Plug & Play 1.0a	256KB flash ROM
Second Memory		256KB synchronous cache
DRAM	DIMMs for two banks	8MB up to 72MB (8/16/32/40MB)
Power Management	APM 1.1	Standby mode
		Suspend to memory
		Suspend to disk
Display	LCD panel	TFT/DSTN
	Resolution	800 x 600 (SVGA)
	Video DRAM	2MB
PC Card	ZV-port support	Type IIx3 or
		Type IIx1 + Type IIIx1
Multiple Input/Output	Trackpad	1 (PS/2)
	Serial port	1 (high speed 16C550 compatible)
	Parallel port	1 (EPP/ECP mode support)
	External monitor port	1
	External PS/2 port	1
	RCA jack	1 (NTSC/PAL TV-output)
	Expansion port	1 (168 pin)
	Infrared	1 (IrDA standard)
	MIDI/Game port	1
Audio System	Compatibility	Sound Blaster Pro
		Microsoft Windows Sound System
		MPU-401
		General MIDI
	Digitized sound	16-bit stereo
	Synthesized music	FM synthesizer Wave Table synthesizer (1MB ROM)
	Input/Output	Microphone-in
		Line-in
		Headphone
	Built-in speakers	2
	Built-in microphone	1
Keyboard		Windows 95
Storage	Hard disk	2.5", transfer rate up to PIO Mode 4
	Floppy disk	3.5", 1.44MB high density
	CD-ROM	5.25", IDE.
AC/DC Power	AC input	100~240VAC, 47~63Hz, 1.2A
	DC output	19V, 2.6A
Battery Power	Type	NiMH
	Voltage	12V
	Capacity	3000 mAh (10 cells)
Physical	Dimension Weight	300mm (w) x 228mm (d) x 54mm (h) 3.4Kg

Operating Environment

Thanks to the Notebook Computer's ability to run on battery power, its compactness in size, and lightweight, it can be conveniently operated wherever the temperature and humidity are comfortable enough for you to work.

If you properly care for the Notebook Computer, it will provide many years of reliable service. However, remember this computer system is a precision instrument and it should not be:

- Exposed to excessive heat or direct sunlight.
- Subjected to shock or vibration.
- Exposed to strong magnetic fields.
- Left in a place where foreign matter or moisture may enter the system.



Basic Operation

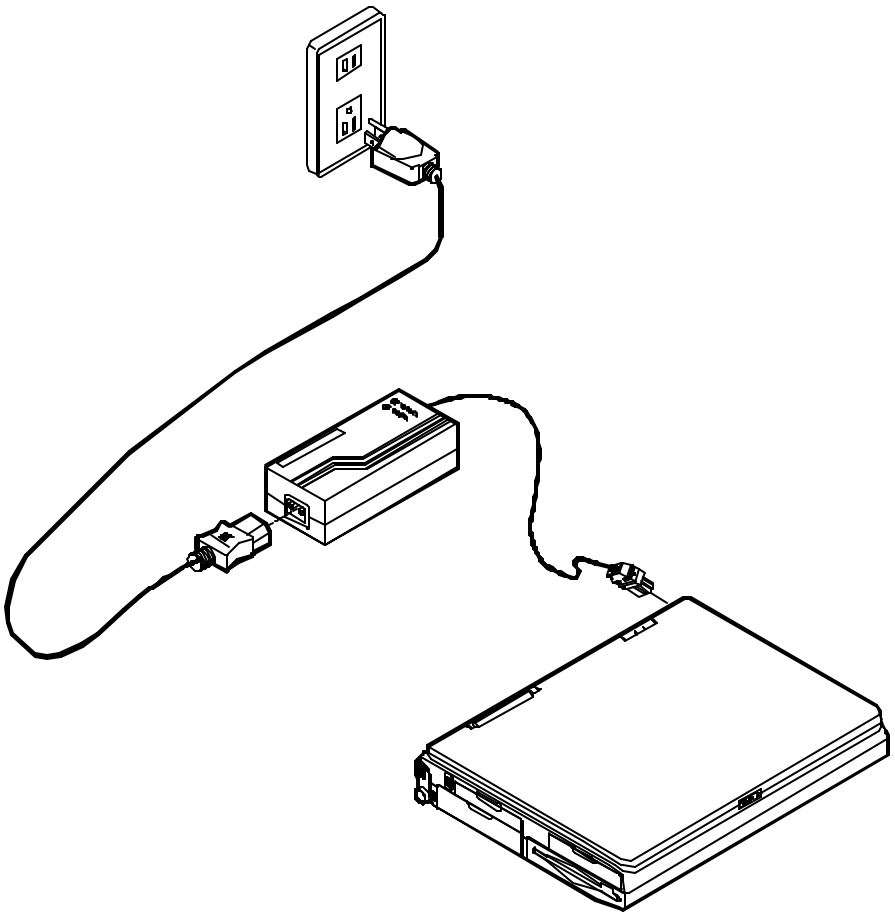
Power

Before using the Notebook Computer, you must supply it power. If this is the first time the Notebook Computer is operated, you should use the AC power source since the internal battery pack may have self-discharged during shipment.

AC Power

The Notebook Computer features a universal, auto-switching power adapter. This adapter is suitable for use nearly anywhere.

1. Connect the AC power cord to the power adapter.
2. Plug the power adapter to the DC-in socket on the rear panel of the Notebook Computer.
1. Plug the AC power cord into a properly grounded outlet.

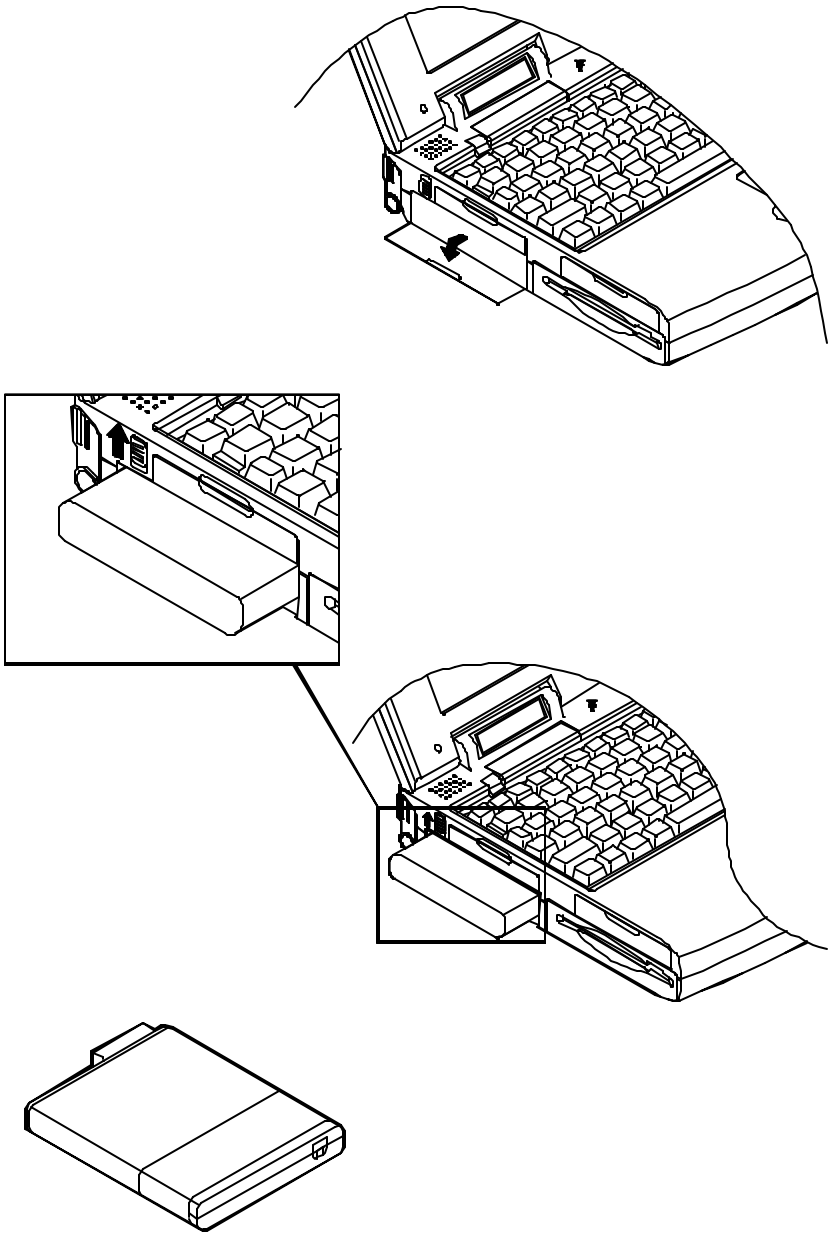


Internal Battery Power

The Notebook Computer is equipped with an internal, rechargeable battery pack, which provides hours of continuous, portable operation.

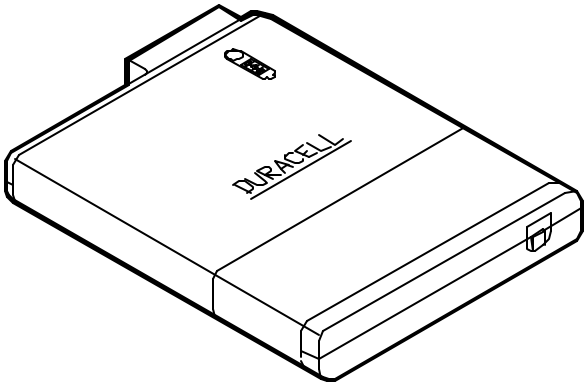
Proper care is required for optimum performance:

- Do not attempt to disassemble the battery under any circumstances.
- The battery may explode if exposed to fire or high temperatures.
- Avoid short circuit the battery by the metal terminals (+, -).



Duracell Smart Battery at Retail

You may replace with a Duracell Smart Battery, available at retail outlets around the world, to accurately indicate a fuel gauge of the predicted available charge for the present state information.



Recharged by AC Power

The system's battery pack will recharge whenever the system is plugged into the AC power supply, regardless if the system is being operated or not. Hours may be needed to charge the battery pack for long service life.

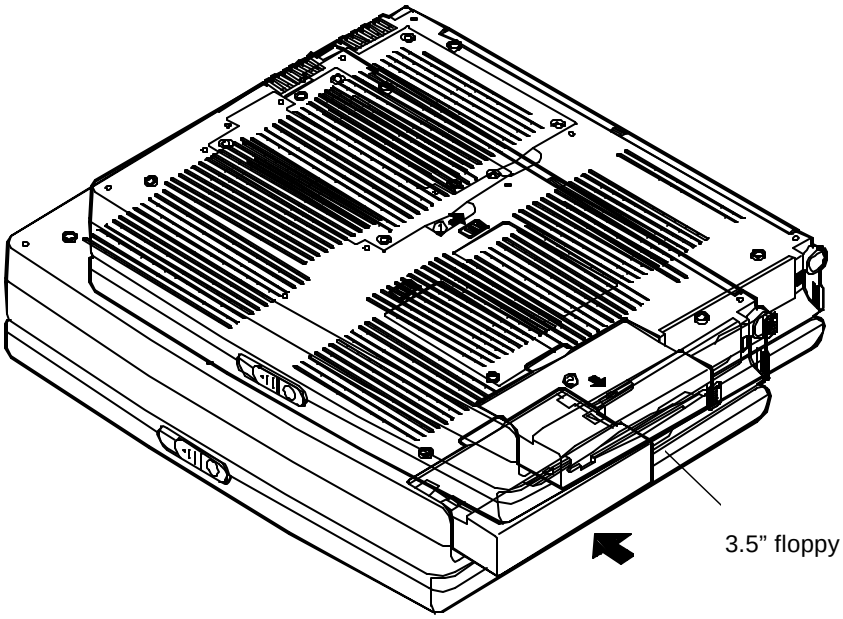
Some instructions should be carefully concerned before you charge the battery pack:

- Upon the very first use, or after a long period of storage, the system might indicate that charging is complete after just a short time. Simply remove the battery to cool it off and then repeat the charging procedure at least three times.
- It is recommended to fully discharge the battery before charging to keep *memory effect* from capacity loss.

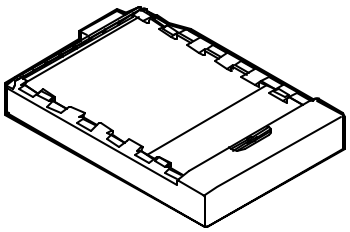
Second Battery Power (Option)

The Second Battery comes designed, in addition to the system's internal one, to prolong the battery life for the unit's portable use.

You may need to replace the floppy disk out of the 3.5" drive bay with the Second Battery pack for longer power life.

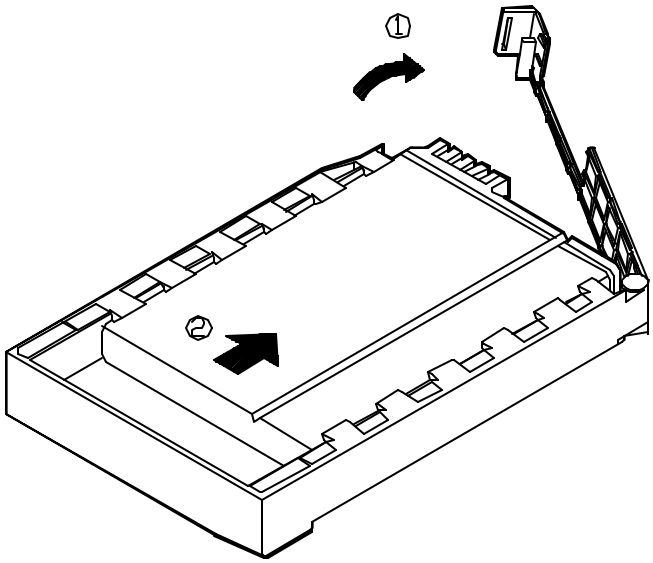


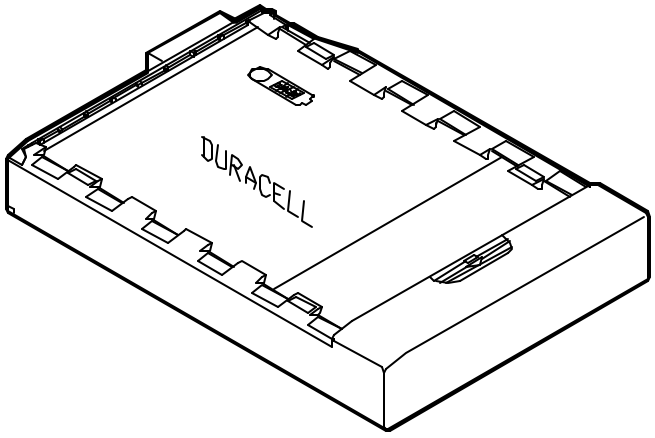
Second battery pack



Duracell Smart Battery at Retail

You may replace with Duracell Smart Battery, available at retail outlets around the world, to accurately indicate a fuel gauge of the predicted available charge for the present state information.





Recharged by AC Power

The Second battery is charged the same way you do the internal one.

Setup and Operation

Open the Top Cover/Display Panel

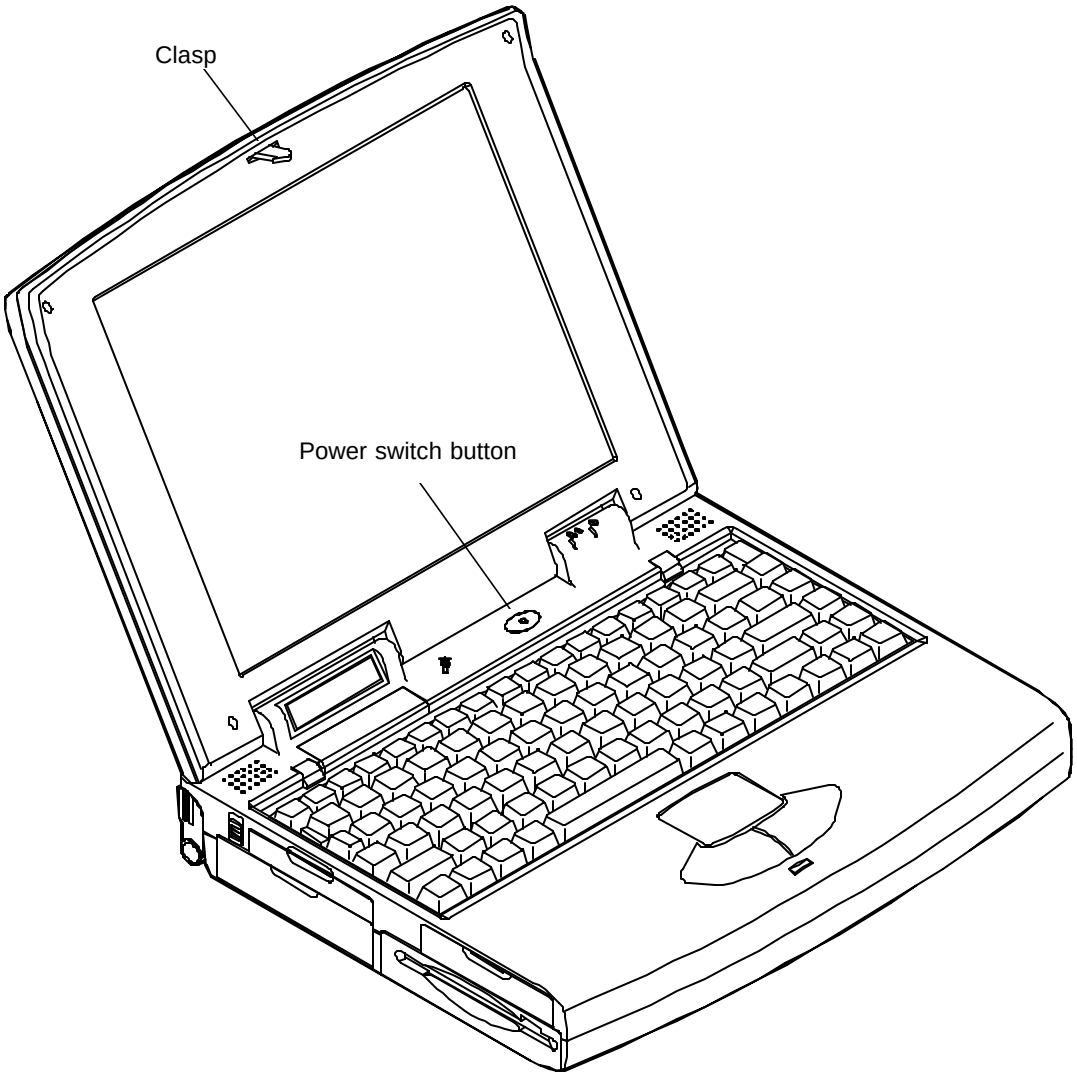
The Notebook Computer's display panel is integrated into the system's top cover, which locks shut for transportation. Open the top cover as follows:

1. Slide the top cover clasp right to unlatch it.
2. Lift the top cover to reveal the display panel, keyboard and system controls.
3. Raise the display panel to a comfortable viewing angle.

Turn the System Power On

Press the power button once to turn the system on. Press it again to turn the system off.

The system will start, perform a Power On Self-Test (POST), and attempt to boot.


Clasp
Power switch button

Chapter Two: The System

Overview

The Notebook Computer has many advanced features to help you with your computing work. This chapter describes each of the Notebook Computer's hardware features in detail and shows you how to use them. It covers:

- A description of the system unit and its features.
  - The LED Indicators.
  - Button.
  - System Status LCD Bar.
  - Input/Output.
  - Hardware Configuration.
  - The keyboard.
  - The Storage Disks.
  - The PC Card Slots.
  - The audio system.
  - The Trackpad pointing device.
  - Infrared wireless communications.
  - The LCD Panel.
  - Power Management.

Description

LED Indicators

Two LED indicators are integrated to alert you of the system's power status.

Color of Light	Status
Green	System power on (either by AC or by battery)
Red	Battery in charge
Orange	Battery in charge when system power on

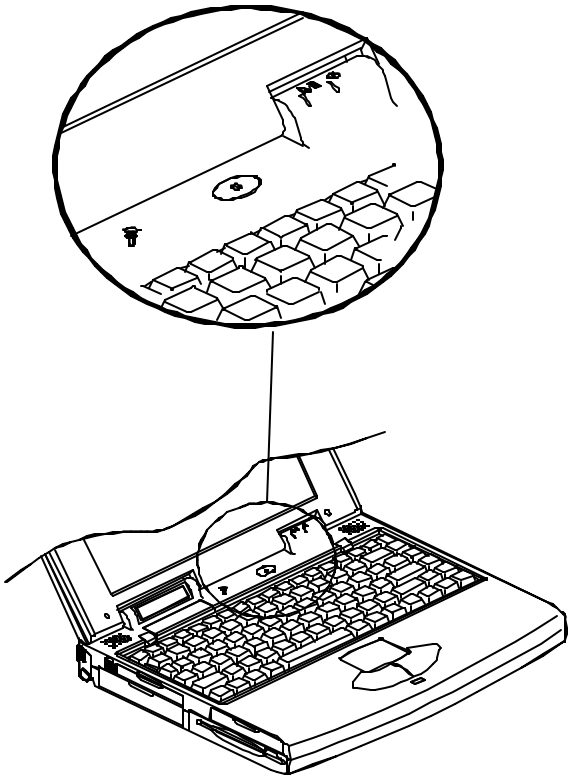
Color of Light	Status
Green	Internal battery fully charged
Red	Second battery fully charged
Orange	Both batteries fully charged

Power Switch Button

This button is used either to turn the system on or to turn it off.

Microphone

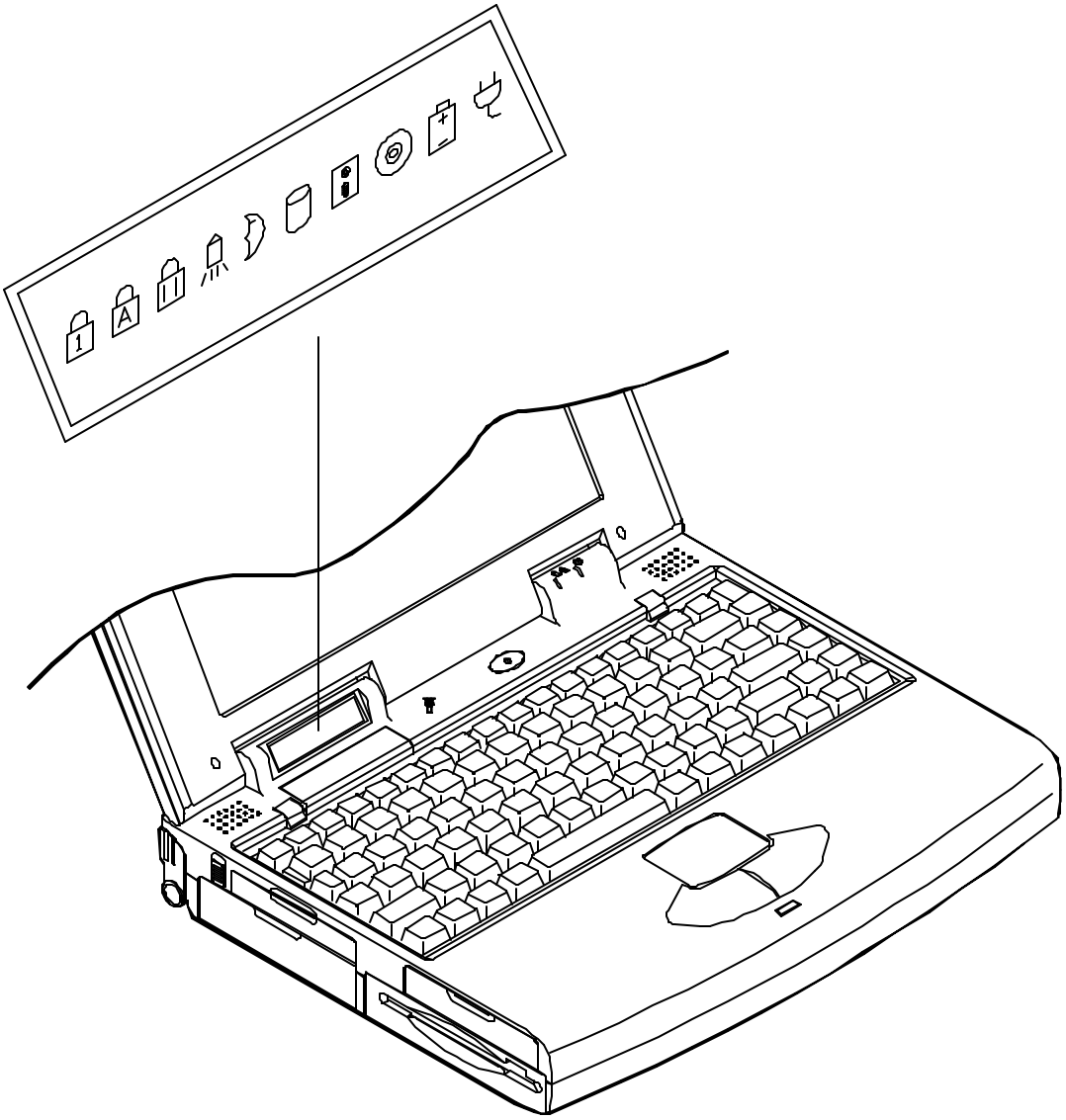
This is a built-in input device for audio system.



System Status LCD Bar

The Notebook Computer features a LCD panel bar to display the system's operation status.

	**AC Power in Use**	The system is using AC power for operation.
	**Battery Low Flash**	The battery power is reaching a critically low level.
	**CD-ROM in Use**	This indicator displays that the CD-ROM drive is being accessed.
	**FDD in Use**	This indicator displays that the floppy disk drive is being accessed.
	**HDD in Use**	This indicator displays that the hard disk drive is being accessed.
	**Suspend to Memory**	This indicator displays that the system has entered the *Suspend to DRAM* Mode.
	**Turbo Speed**	This indicator displays that the system is running in the maximum speed of the CPU.
	**Scroll Lock**	This indicator displays that the scroll lock function is activated.
	**Caps Lock**	This indicator displays that the caps lock function is activated.
		



Top-Front View

Opening the hinged top cover of the system unit will reveal the followings:

LCD Panel

This is the Notebook Computer's flat panel display. It is VGA compatible and driven by a PCI local bus controller for high performance.

System Status LCD Bar

The LCD panel bar will display the system status indicating the respective concerned icons.

Dual Stereo Speakers

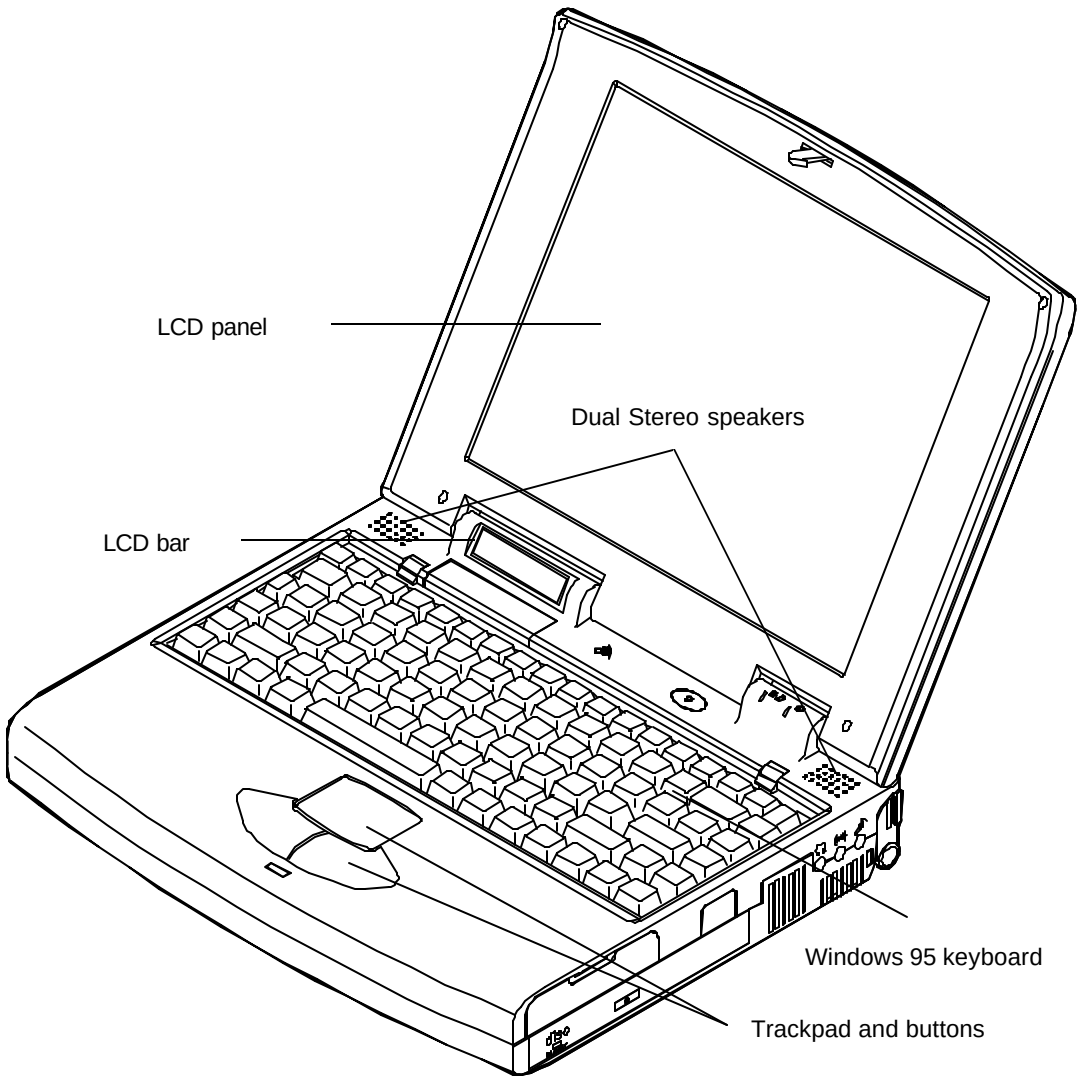
These are two built-in output devices on each side for audio system.

Trackpad Pointing Device

The Trackpad pointing device features a sensitive glide pad for precise control of the cursor with just a fingertip along with two buttons.

Windows 95 Keyboard

The Windows 95 keyboard gives the user a consistent mechanism for accessing functionality in Windows 95 and in individual applications.


LCD panel
Dual Stereo speakers
LCD bar
Windows 95 keyboard
Trackpad and buttons

Right View

On the right side panel, you will find the followings:

Right-Side Stand

Slide this stand outward (together with the left-side stand) to adjust the viewing angle.

Microphone-in Jack

This audio port accepts sound source to record or to playback when externally connected microphone is used instead of the built-in one.

Line-in Jack

This audio port accepts sound source to record or to playback when the sound source comes from other device's audio output than the systems.

Headphone Jack

This audio port accepts sound source to playback if externally connected headphone is desired instead of the built-in speakers.

Infrared

The wireless communications capabilities are based on IrDA (Infrared Data Association) standards for cordless connection between the Notebook Computer and an IrDA-compliant device.

PC Card Type III Expansion Slot

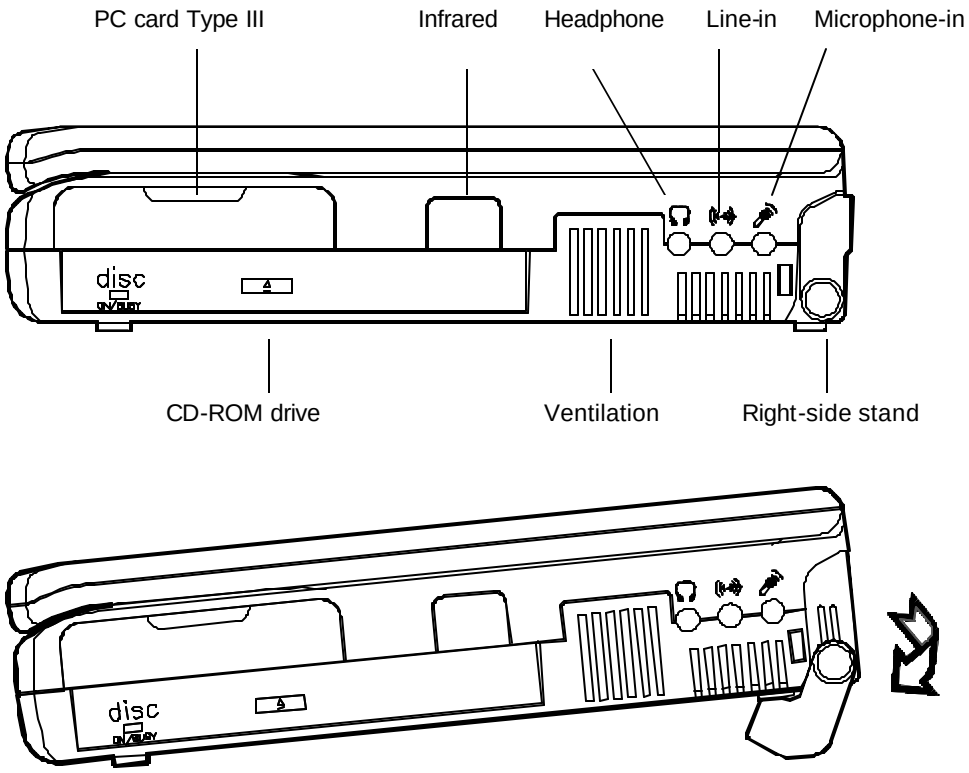
The Type III PC Card slot is located inside a flip-down panel. It allows you to conveniently attach numerous accessories to the Notebook Computer. It is equivalent to two Type II PC Cards slots. The ejection button for the upper slot is located on the left. The ejection button for the lower slot is on the right.

CD-ROM Drive

The 5.25" IDE CD-ROM drive uses the tray loading mechanism for ease of use. Press the ejection button to load the tray from the drive unit.

Ventilation

The Notebook features ventilation to dissipate the system's operating heat. Do not block or obstruct it during operation.


PC card Type III
Infrared
Headphone
Line-in
Microphone-in
disc
CD-ROM drive
Ventilation
Right-side stand
disc

Rear View

The rear panel of the Notebook Computer offers several ports for the electrical connection to peripheral devices.

DC-in Socket

This socket is where the Notebook Computer's universal AC/DC power adapter is connected to the system. To disconnect the power adapter, pull the plug (not the cord) directly back.

Serial Port

This is a high speed NS16C550 compatible port to connect an external mouse for example.

Expansion Port

This port is used to connect the proprietary Docking Station. All of the features of the Docking Station are available through the plug-in process offering the Notebook Computer access to a desktop system.

RCA Jack

This is an RCA jack to connect a TV set for example.

You may need to select the video standard (NTSC/PAL) for video display.

External Monitor (CRT) Port

This port allows the connection of an external monitor to the system. It uses a 15-pin connector and supports super-VGA, and Simultaneous display of LCD and CRT.

MIDI/Game Port

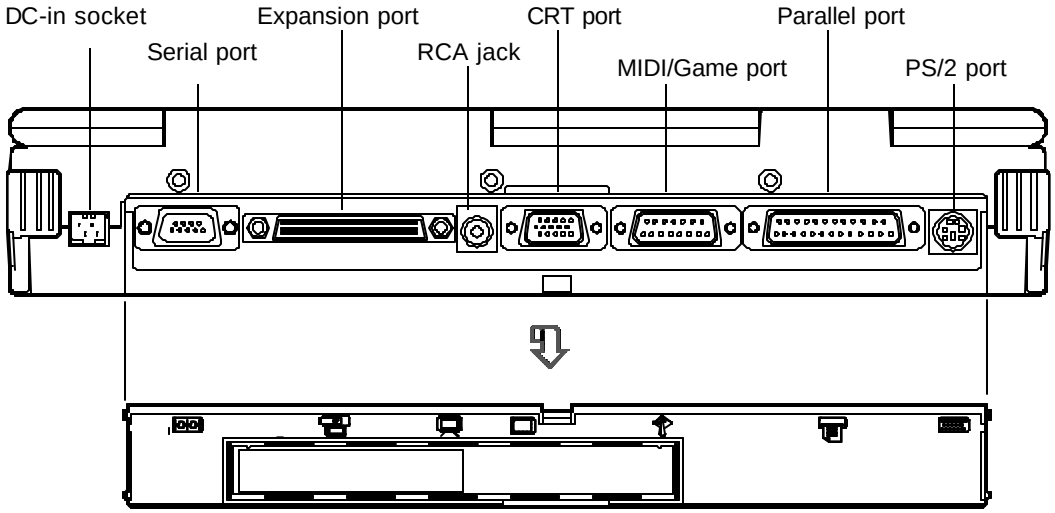
This port is used to either connect any MIDI device such as a MIDI instrument or keyboard, or connect an external standard joystick.

Parallel Port

This is a parallel port to connect a printer for example. It supports EPP (Enhanced Parallel Port) and ECP (Extended Capabilities Port) modes, but required as well is the use of the connected parallel device's software driver.

External Keyboard or PS/2 Mouse Port

An external keyboard can be connected to the system via this port. So is an external PS/2 mouse to the system as another pointing device choice.


DC-in socket
Serial port
Expansion port
RCA jack
CRT port
MIDI/Game port
Parallel port
PS/2 port

Left View

The left side of the Notebook Computer features the followings:

Left-Side Stand

Slide this stand outward (together with the right-side stand) to adjust the viewing angle.

Battery Latch

Sliding the battery latch upward will unload the battery pack.

PC Card Type II Slot

The PC Card slot will accommodate a Type II format for system expansion capability.

2.5” Hard Disk Drive

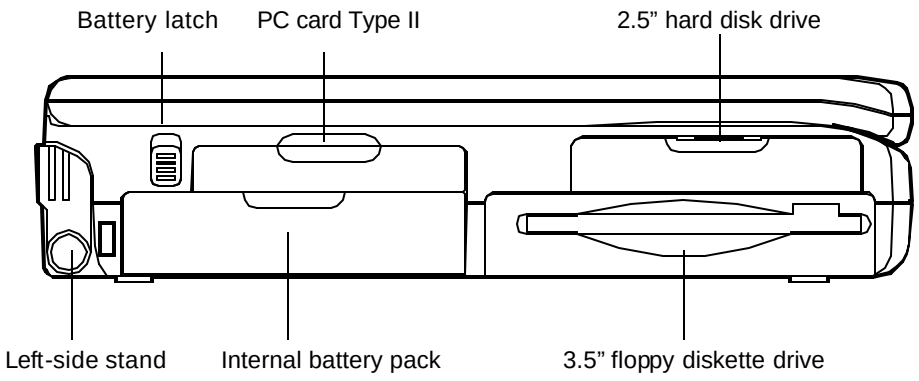
The system’s 2.5” hard disk features a high capacity for data storage providing high access time for excellent performance.

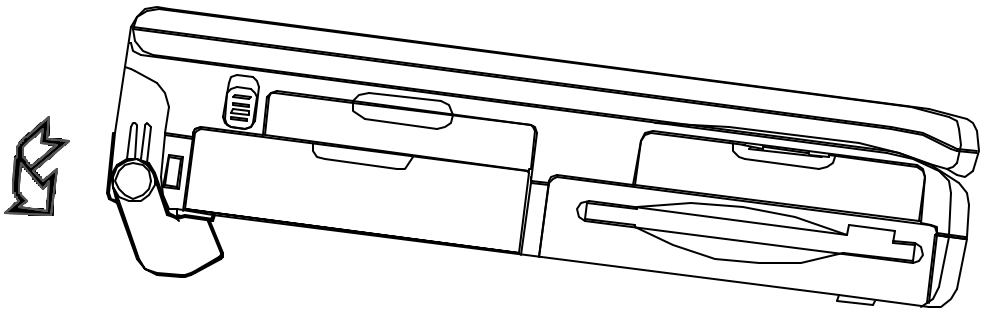
3.5” Floppy Disk Drive

This is the location of the Notebook Computer’s 3.5” high-density 1.44MB floppy diskette drive. You may press the button on its top-right side for diskette ejection.

Internal Battery Pack

The Notebook Computer’s internal rechargeable battery pack provides the system with the power for long run time.


Battery latch
PC card Type II
2.5” hard disk drive
Left-side stand
Internal battery pack
3.5” floppy diskette drive



Operation

Hardware Configuration

Disconnect all power supply both AC adapter and battery pack before work on any hardware setting.

CPU

The system is upgradable with a wide range of speed and voltages of the Intel Pentium processors.

Speed of CPU

Pentium	75 MHz	90 MHz	100 MHz	120 MHz	133 MHz	150 MHz	166 MHz	200 MHz
S2-1	Off	On	Off	On	Off	On	Off	Off
S2-2	On	Off	Off	Off	Off	Off	Off	Off
S2-3	Off							
S2-4	Off							
S2-5	Off	Off	Off	On	On	On	On	Off
S2-6	Off	Off	Off	Off	Off	On	On	On

Power of CPU

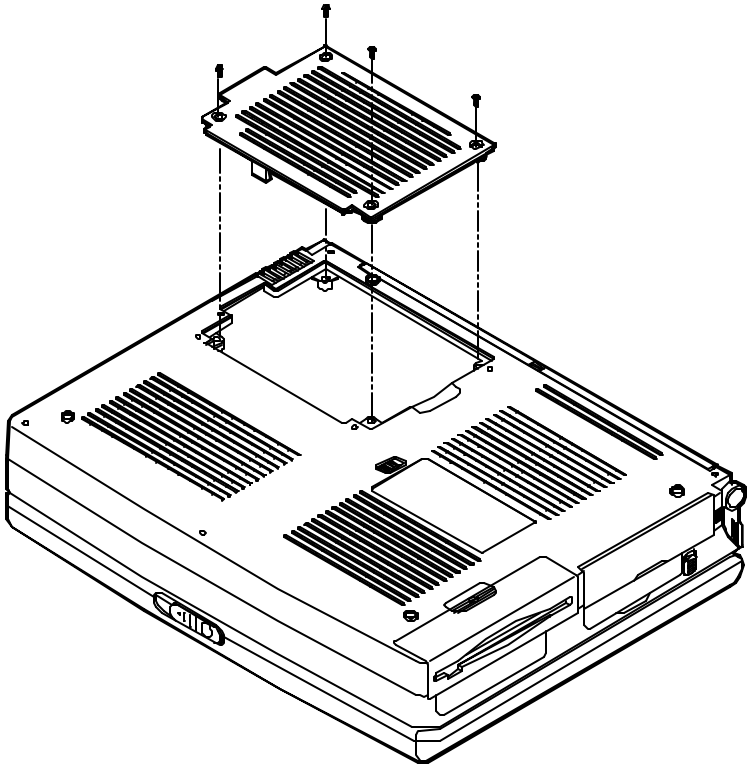
The power of CPU varies with the CPU's voltage supply. You may need to attach the proper circuit board of ***Power of CPU*** responding to the CPU you install.

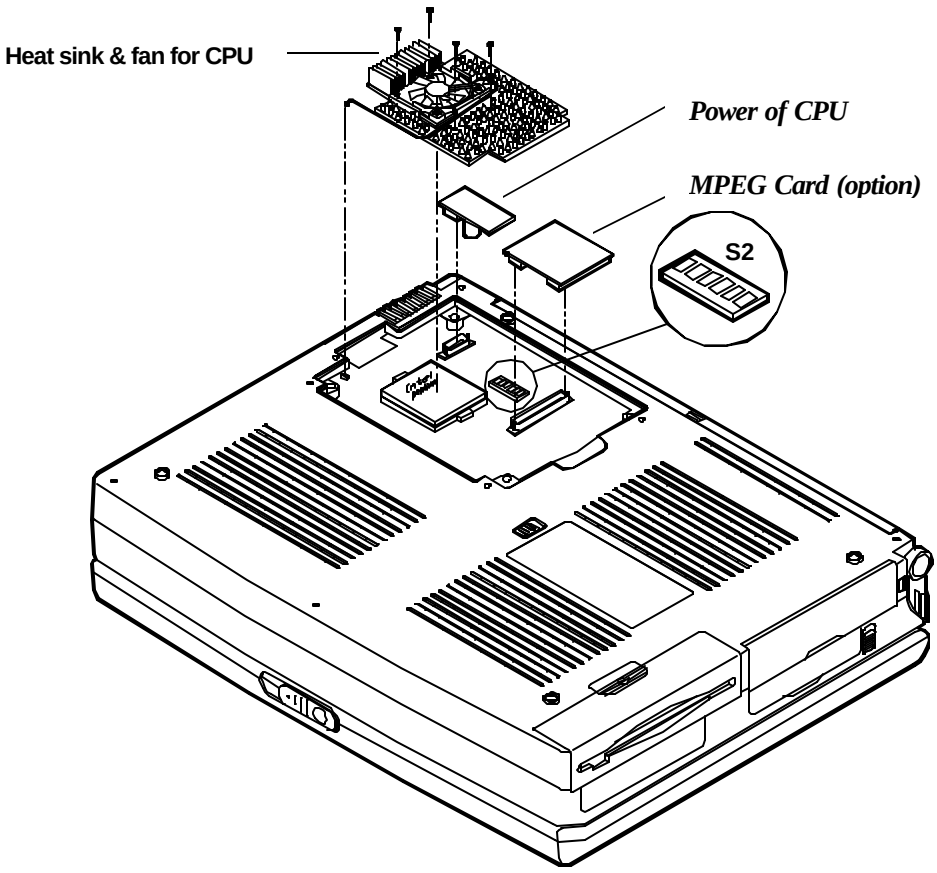
- 3.3 volts
- 3.1 volts
- 2.9 volts

MPEG Accelerator Card (Option)

The ***MPEG Accelerator Card*** is optional for multimedia use of the system to playback a variety of video formats.

Detailed information is available from the dealer near you upon request.




Heat sink & fan for CPU
Power of CPU
MPEG Card (option)
S2

TV-Output

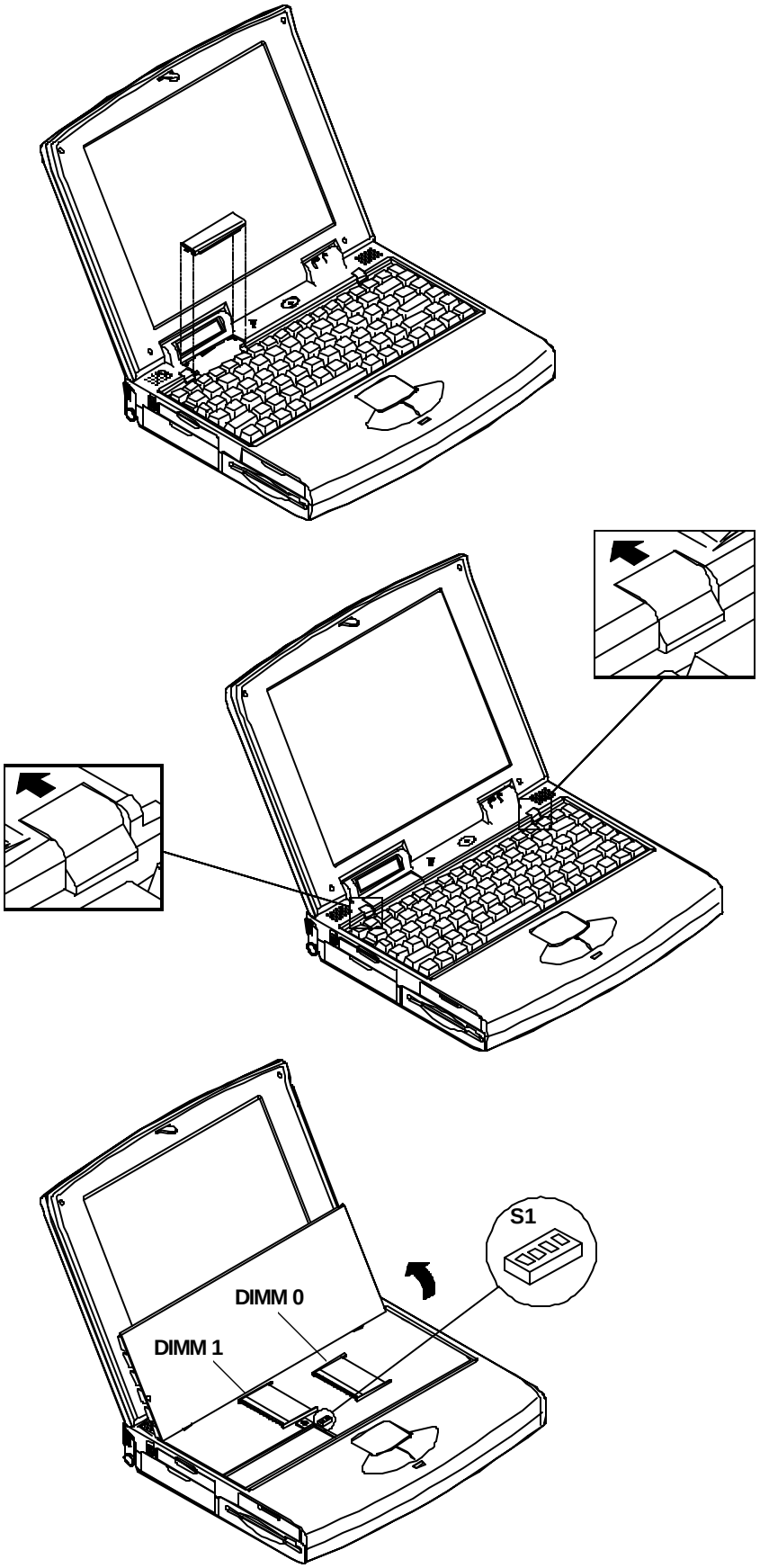
Select the TV standard for video output if a TV set is connected.

	NTSC	PAL
S1-1	On	Off
S1-2	Off	On
S1-3	On	Off
S1-4	Off	On

RAM Configuration

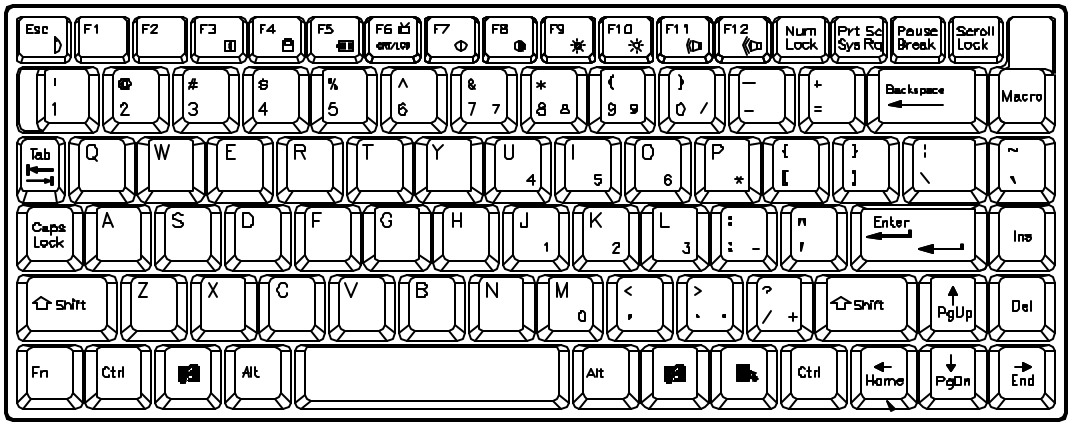
The system features an expandable Dynamic RAM in small outline DIMM (Dual In-line Memory Module) package.

DIMM 0 (64 bit)	DIMM 1 (64 bit)	RAM Size
(1Mx16)x4	None	8MB
None	(1Mx16)x4	8MB
(1MX16)X4	(1Mx16)x4	16MB
(1MX16)X8	None	16MB
None	(1MX16)X8	16MB
(1MX16)X8	(1Mx16)x4	24MB
(1MX16)X4	(1MX16)X8	24MB
(1MX16)X8	(1MX16)X8	32MB
(4MX4)X16	None	32MB
None	(4Mx4)x16	32MB
(4Mx4)x16	(1MX16)X4	40MB
(1Mx16)x4	(4Mx4)x16	40MB
(4Mx4)x16 + (1Mx16)x4	None	40MB
(4Mx4)x16 + (1Mx16)x4	(1MX16)X4	48MB
(4Mx4)x16 + (1Mx16)x4	(1MX16)X8	56MB
(4Mx4)x16	(4Mx4)x16	64MB
(4Mx4)x16 + (1Mx16)x4	(4Mx4)x16	72MB


S1
DIMM 0
DIMM 1

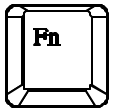
The Keyboard

The Notebook Computer utilizes an 86 key keyboard detachable for various language versions. It is laid out slightly differently from a standard AT keyboard, but it offers all of the same functions plus some special specific features of the system.



System Function Key

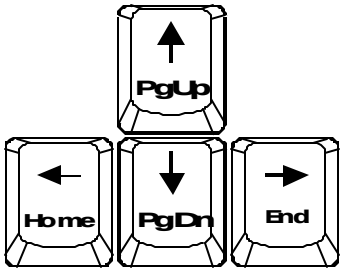
Located on the bottom-left edge of the Notebook Computer keyboard is a Fn key. It is a special key only found on the Notebook Computer and it is used for operation of:



- The PgUp, PgDn, Home, End keys.
- The embedded numeric keypad.
- The hot key.

Cursor Control Keys

Four cursor control keys, also called Arrow or Direction keys, are located below the Enter key. The colored function will need to be used with the system function key.



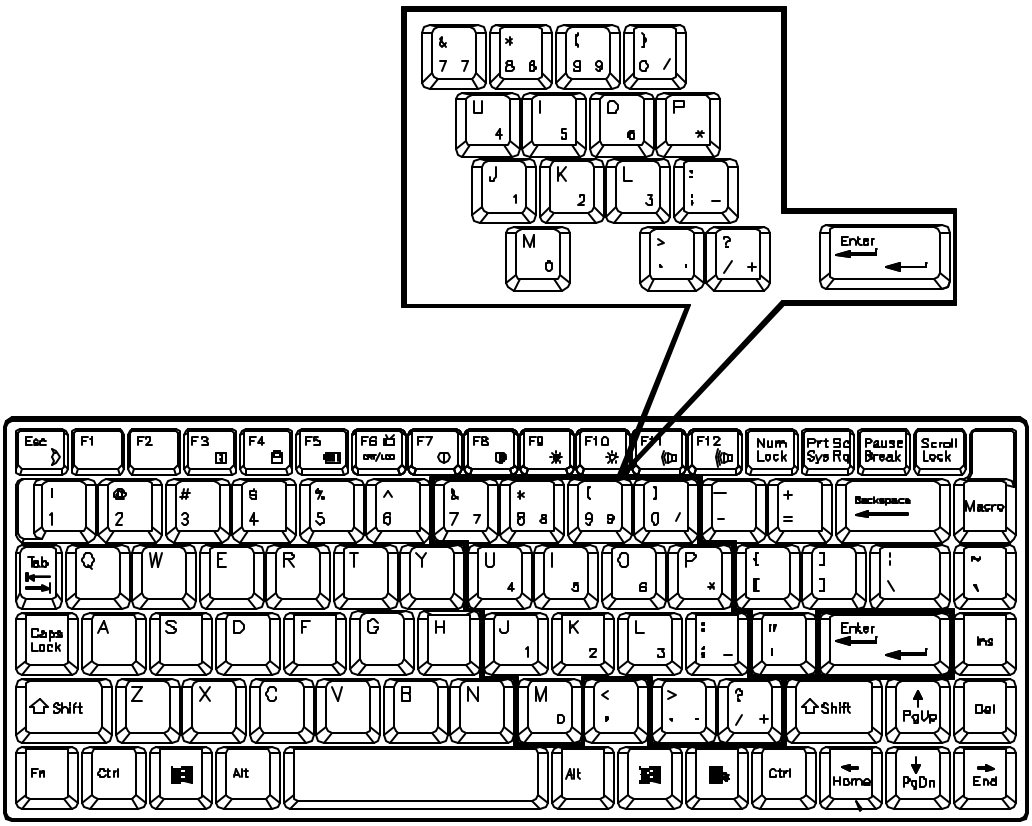
- ☞ PgUp
- ☞ PgDn
- ☞ Home
- ☞ End

Embedded Numeric Keypad

The colored keys in the middle of the keyboard are capable of providing numeric keypad functions.

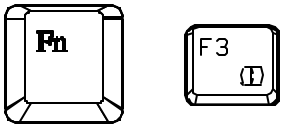
Press the NumLock key to lock the numeric keypad. The NumLock indicator will be displayed on the system status LCD bar.

Press the Fn key with the keys of the embedded numeric keypad to operate with the colored number and symbol keys.



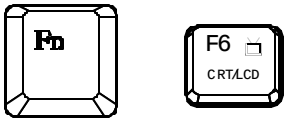
Hot Keys

Located along the top of the keyboard are 12 numbered “F” keys. The functions of these “F” keys are defined as the followings:



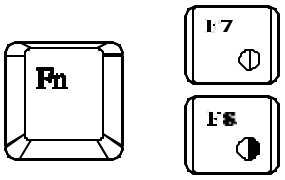
Expanded Display Mode

The aspect ratio of display panels is not the same as CRT monitors. Therefore, the display may not completely fill the entire display panel. Expanded mode will stretch the display to fill the entire viewing area of the display panel.



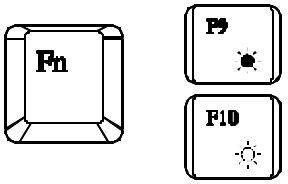
Display Type

Display type mode allows you to switch display among LCD only, CRT only, TV only, both LCD and CRT.



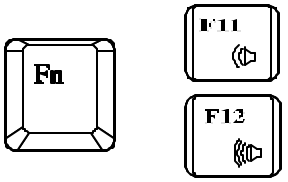
Contrast Control

Contrast control allows you to adjust the contrast of the display panel. *This feature is available for DSTN panel only.*



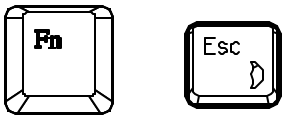
Brightness Control

Brightness control allows you to adjust the brightness of the display panel.



Volume Control

Volume control allows you to adjust the volume of the audio system.

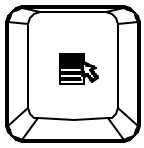


Suspend Mode

Put the system in a suspend state for power management. The system can be resumed from exactly where it was left off.

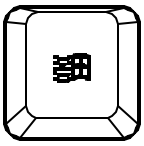
New Keys for Windows 95

Application Key



When the user presses the unmodified Application key, the application brings up the Context menu (a pop-up menu) at the current selection, much as pressing the right mouse button does in some applications today. Pressing the Application key does not disturb the current cursor position.

Windows Keys



When the user presses either Windows key - Left or Right - the Start menu appears. Both keys can be used to modify other keys.

The operating system controls the functionality of the Windows keys. Only shell applications should implement these keys, and then only in such a way as to preserve and extend the keys' functionality in the Windows 95 shell.

Storage Disks

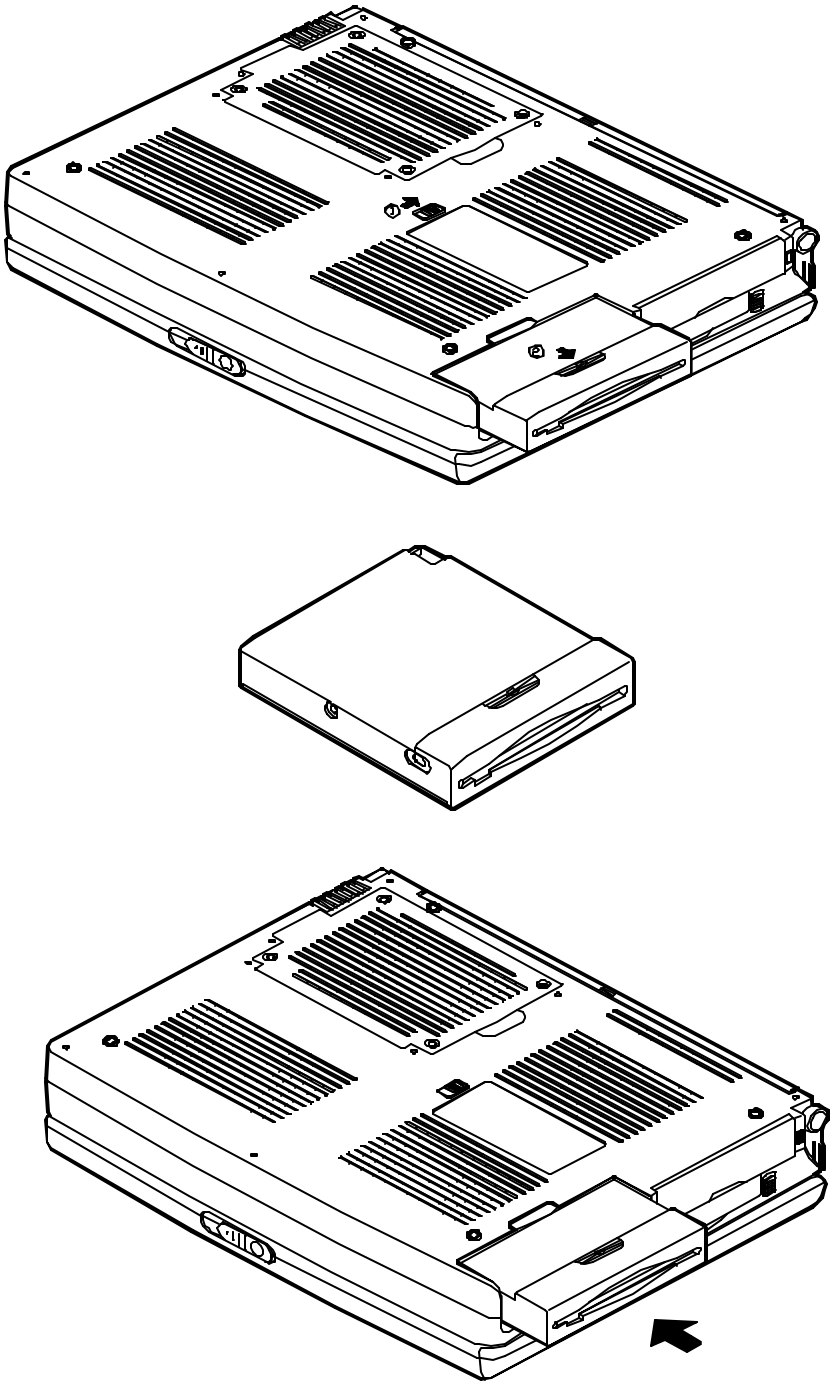
The Notebook Computer comes equipped with several data storage drives:

- 3.5” Floppy Drive.
- 2.5” Hard Drive.
- 5.25” CD-ROM Drive.

3.5” Floppy Drive and Diskettes

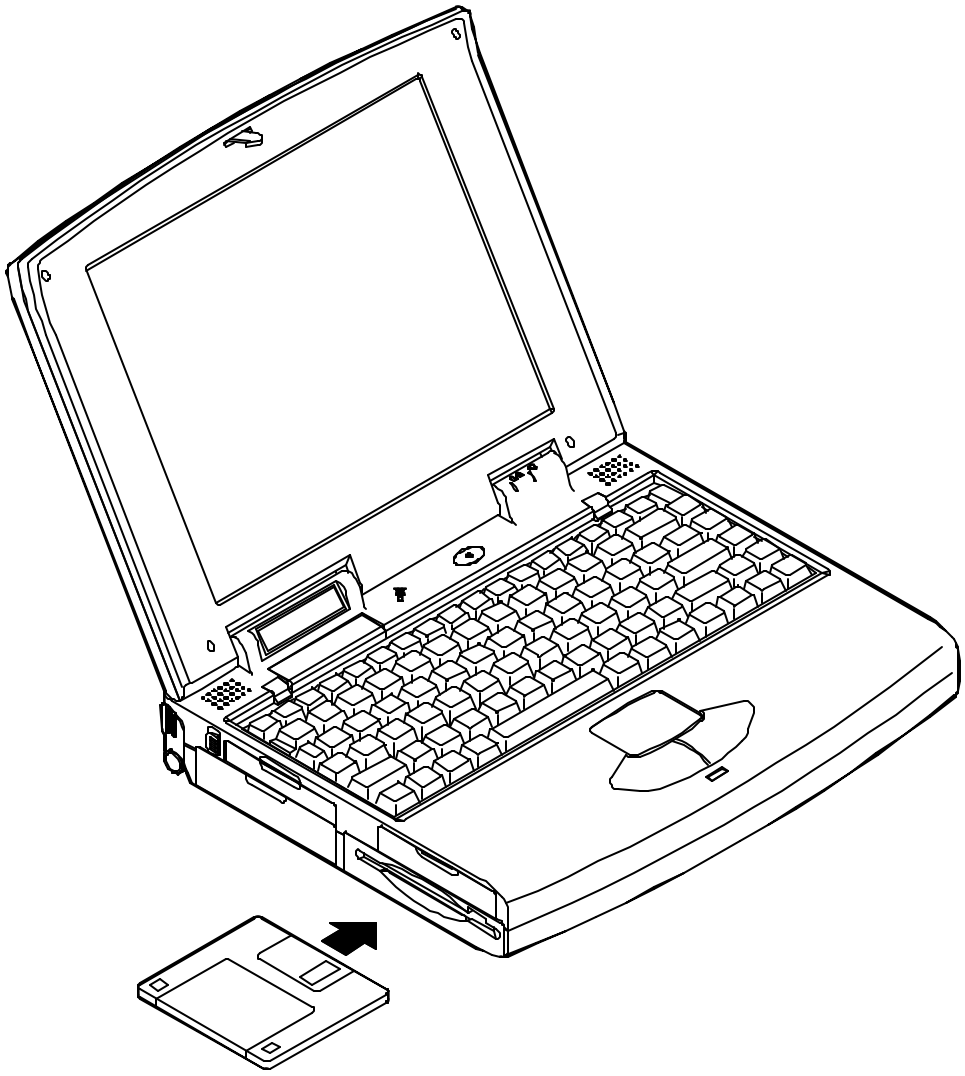
The Notebook Computer’s floppy diskette drive is labeled drive A: It is capable of starting the system when a bootable diskette is placed in it.

The floppy diskette drive comes designed to be removable for the desired replacement in the 3.5” bay with the *Second Battery pack* for longer system use time.



Inserting/Removing Diskettes

- With the label side up, and the metal shutter toward the disk drive, gently insert the diskette into the drive until the diskette is properly seated.
- To remove the diskette from the drive, press the ejection button on the top-right side of the drive and remove the diskette.



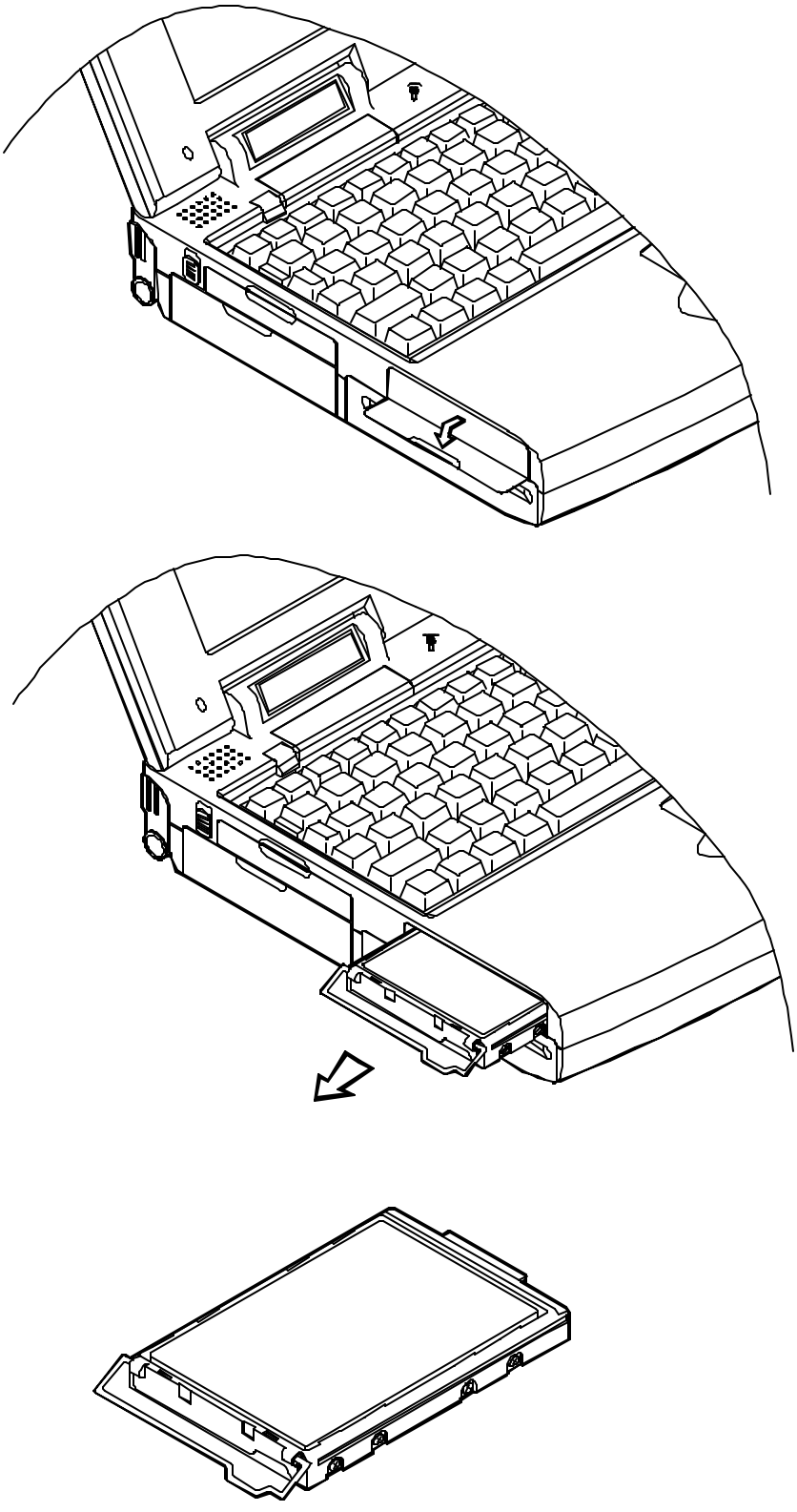
2.5” Hard Diskette Drive

The 2.5” hard diskette drive supports the LBA mode, which overcomes the capacity of 528MB constraint as well as high performance data transfer rate at speed up to 16.6 MB/second.

The system will automatically configure the hard disk parameters for any supported IDE drive.

If the hard disk drive is not bootable, you must start the system with a bootable diskette in floppy diskette drive A.

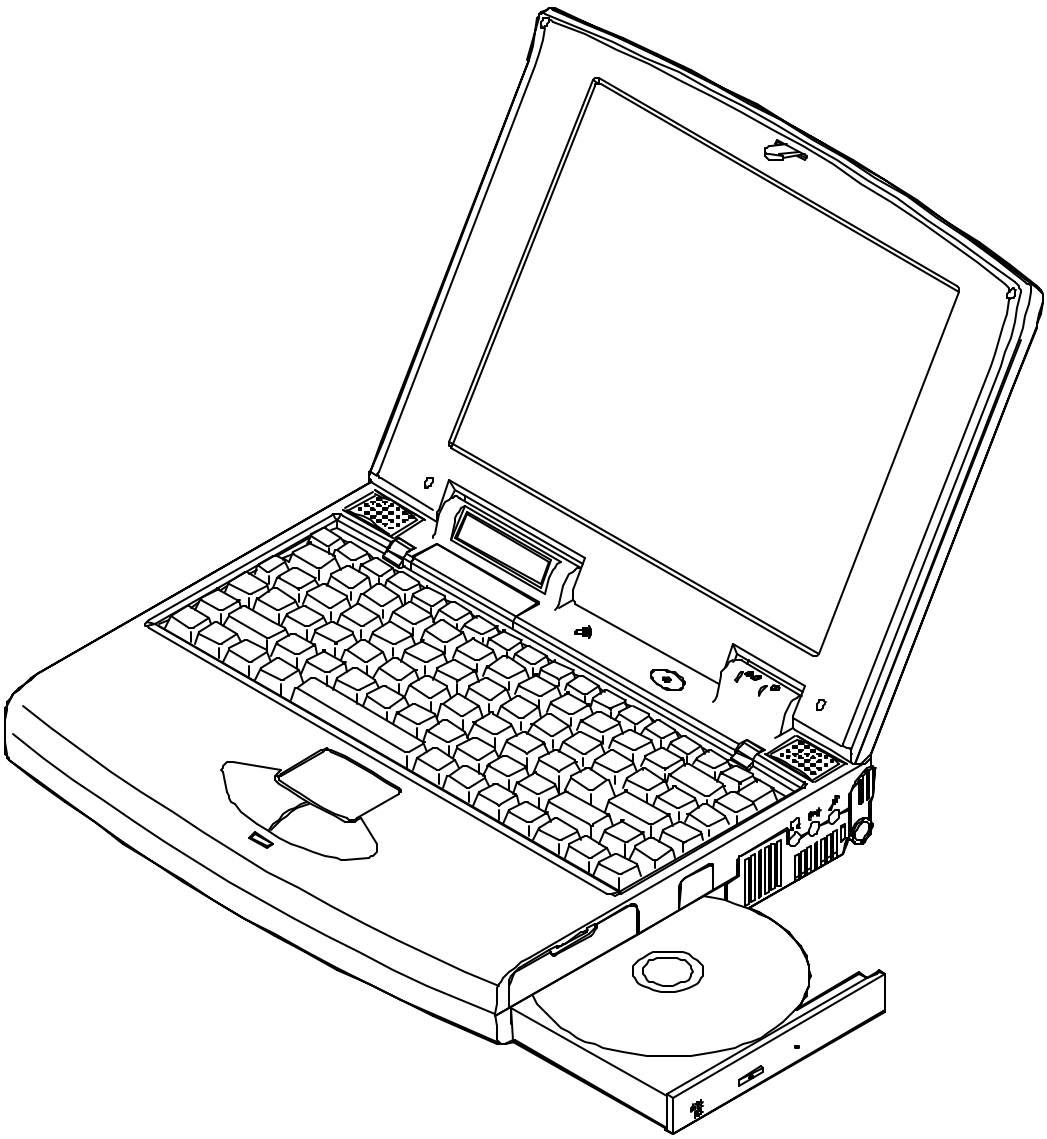
Refer to your DOS manual for more details about hard disk drives, DOS files, starting your system and formatting disks.



5.25” CD-ROM Drive

An IDE 5.25” CD-ROM drive is internally mounted in the system, using the tray loading mechanism for ease of use.

The CD-ROM drive provides the performance required for the multimedia applications in a variety of disc types, such as CD-DA, CD-ROM (Mode-1, Mode-2), CD-ROM XA Mode-2 (Form-1, Form-2), Multi-session Photo CD, and CD-I, Video CD compatible.



PC Card Slots

The Notebook Computer includes the expansion slots for a variety of PC Cards.

- Type III x 1 (equivalent to Type II x 2) on the right panel.

  ☞ Slot 0 located on the lower socket.

  Slot 0 supports the ***Zoomed Video (ZV) port***, a direct connection between a PC card and a VGA controller. It allows the PC card to write video data directly to an input port of the system's VGA controller, for live video capture and playback for example.

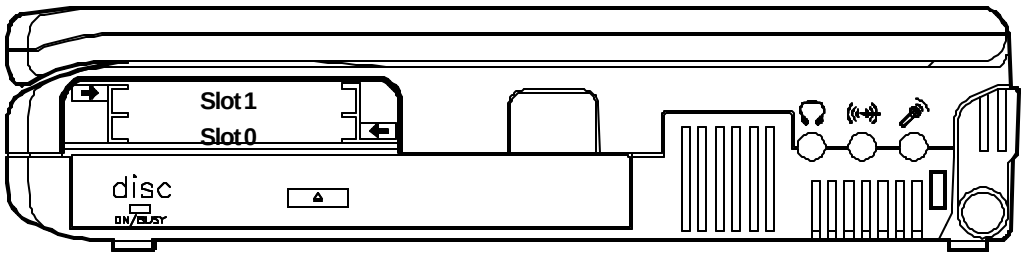
  ☞ Slot 1 located on the upper socket.

- Type II x 1 on the left panel.

Inserting and Removing PC Cards

PC cards are inserted and removed in much the same way as floppy disks. Although PC cards are electronic devices, you do not need to turn off the system power to change them. Exit any applications you are using and return to the DOS prompt before inserting or removing a PC card.

- To insert a card into the slot, align the card with the slot and push it in firmly until it locks into place.
- To remove a card from the upper slot, press the eject button on the left side.
- To remove a card from the lower slot, press the eject button on the right side.

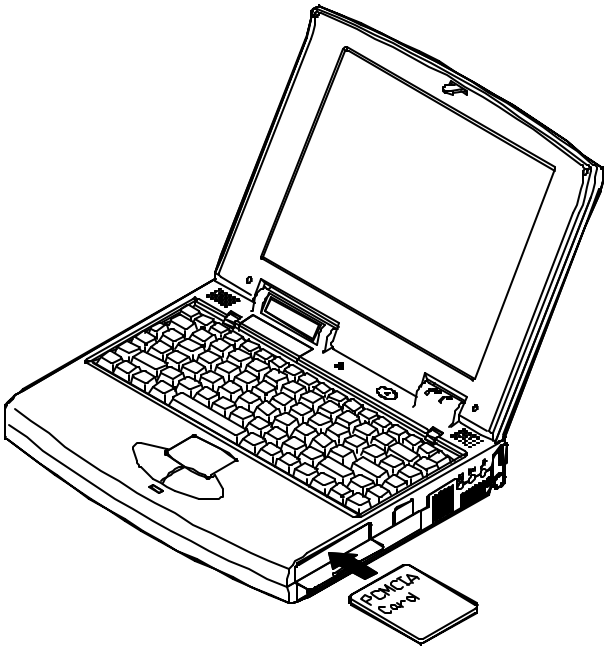


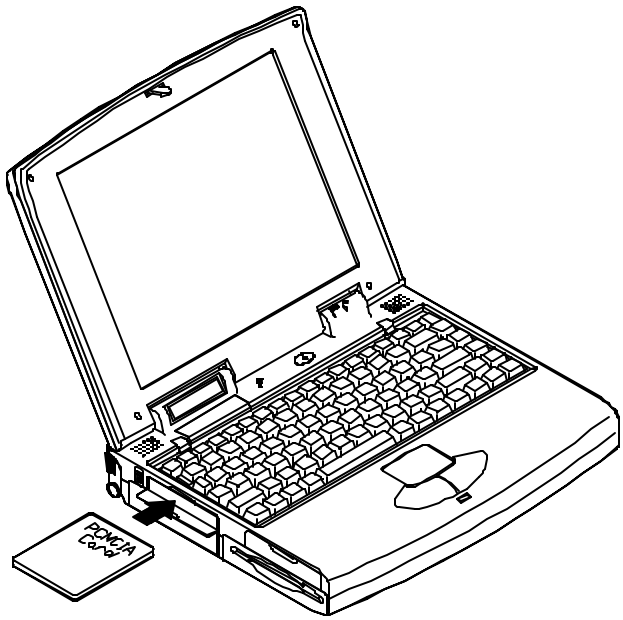
Configuring and Operating PC Cards

The Notebook Computer's PC Card socket requires the use of software drivers, and the device specific drivers, to control the operation of the socket and any PC Cards inserted into it.

All slots may be used to install:

- ☞ LAN.
- ☞ FAX/modem devices.
- ☞ Memory devices.
- ☞ PCMCIA compatible hard disk drives.
- ☞ Communication devices.





Audio System

The audio system is compatible with Sound Blaster Pro, Microsoft Windows Sound System, MPU-401 and General MIDI.

It features the 16-bit stereo recording and playback, FM synthesizer and Wave Table synthesizer to deliver superior audio.

Trackpad Pointing Device

The Trackpad pointing device, internally wired to PS/2, allows you to conveniently take advantage of software that requires a mouse whenever you are away from your desk.

Infrared Wireless Communications

The system adopts infrared technology as the interface for simple, fast and convenient data exchange from the Notebook Computer to another, or to an IrDA-compatible device, a printer for example.

No object should be blocked in each other's line of sight between the Notebook Computer and the infrared-equipped device. Refer further to the manual of the cordless connected device on how to use the point-and-shoot operation.

LCD Panel

The Notebook Computer's features the LCD panel display. You may use the Utility diskette Video Drivers for required mode.

- PCI local bus controller.
- 2MB video DRAM.
- Capability to support 800x600 (SVGA) resolution DSTN/TFT display.
- Super-VGA resolution output to an external monitor.
- Ability to output the video to other video display device:

  ☞ VGA monitor (CRT) or RGB projector.
  ☞ TV set.

- Ability to drive both displays of LCD and other video device simultaneously:

  ☞ VGA monitor (CRT) or RGB projector.

Power Management

The Notebook Computer provides users with power management to manage power consumption while maintain optimal system performance.

Standby Mode

Standby Mode is the device level power management. Most controllable peripheral devices, such as hard disk and LCD display, will be powered off. If the STANDBY timer expires before any system activity is detected, the system will change from Standby Mode to Suspend Mode.

Suspend Mode

Suspend Mode is the system level power management. The CPU and DMA clocks will be halted and all controllable peripheral devices will be turned off.

The system may be suspended by:

- Suspend hot key
- Suspend timeout
- Battery weak

Be sure not to initialize the Suspend Mode when any of the disk drives is accessed such as HDD, FDD and CD-ROM drive.

Suspend to Memory

Suspend-to-Memory is a 5-volt suspend mode for system power management.

Suspend to Disk

Suspend-to-Disk is a 0-volt suspend mode for system power management.

1. Use your operating system's FDISK program to delete all partitions of the hard disk if any already exists on the target drive.
2. Boot the system from the A: drive and run the 0VMAKFIL.EXE Utility to create the Suspend to Disk partition on the hard disk whose size will accommodate **the installed DRAM (n) plus 2MB integrated video RAM.**

   A:\>0VMAKFIL /Pn

   For example, if the system DRAM is 72MB, 0VMAKFIL will create a partition of size about 75MB.

   A:\>0VMAKFIL /P72

   Note: *Rewrite the sector signatures if you partition again the very hard disk.*

   C:\>0VMAKFIL /PW
3. Re-partition the hard disk using your operating systems FDISK program.

System Resume

The system operation can be returned from exactly where it was suspended when a resume event occurs. However, the system may not resume successfully from the Suspend Mode when connected to some external devices, such as PC Card.

Resume from Suspend-to-Memory Mode

The system may be resumed from Suspend-to-Memory mode by:

- Resume alarm time (hour/minute)
- Modem ring
- Any keyboard key pressed

Resume from Suspend-to-Disk Mode

The system may be resumed from Suspend-to-Disk mode by:

- Power back on

Advanced Power Management

The system provides the Advanced Power Management (APM) support to further reduce power consumption especially for battery operation.

The installation of Advanced Power Management (APM) varies depending on the Operating System (OS) and the software application you are using. Refer to their respective manuals for detailed information.

Windows 95

Enter *Control Panel* for *System* icon, select *Device Manager* menu for *CD-ROM settings*. Keep *Auto insert notification* disabled from the system repeatedly scanning the IDE port.

When *Advanced Power Management* enabled, the Notebook system power will be automatically turned off with no need to press the power button when you *Shut Down* Windows 95.

Chapter 3: Utilities

Overview

The Notebook Computer has several built-in software utilities to help you get the most from the system hardware. This chapter discusses:

- The Power-On-Self-Test (POST).
- The System Configuration Utility (SCU).

Power On Self Test (POST)

The BIOS performs a series of power-on-self-test (POST) to diagnose hardware errors when the system first starts up. During the POST procedure, the POST verifies that the hardware is installed and operational. If a hardware problem exists, the POST routine may halt execution (depending upon the severity of the problem).

POST Messages - Normal Operation

If no configuration errors are detected, the system will be operated after the POST process is completed.

You may press the *Spacebar* key to skip the memory test.

System PCI BIOS for SiS-510X Version 1.01.26
Copyright 1983 - 1996 SystemSoft Corp. All Right Reserved.

System Processor: 200 MHz Intel Pentium CPU
System External Cache: 256 KB Enabled
Video Chip: Trident Cyber 9385 with 2 MB Video RAM
SystemSoft Plug-n-Play BIOS Ver 1.0a

Base Memory	640 Kb
Extended Memory	15360 Kb
Shadow Memory	256 Kb
Reserved Memory	128 Kb
Total Memory	16384 Kb

<CTRL-ALT-S> to enter System Configuration Utility

POST Messages - Error Detected

If a configuration is detected as a non-fatal error, a WARNING message will be displayed. You should either press F1 key to continue, or press Ctrl-Alt-S key combination to enter the System Configuration Utility.

System PCI BIOS for SiS-510X Version 1.01.26

System Processor: 200 MHz Intel Pentium CPU
System External Cache: 256 KB Enabled
Video Chip: Trident Cyber 9385 with 2 MB Video RAM
SystemSoft Plug-n-Play BIOS Ver 1.0a

Base Memory	640 Kb
Extended Memory	15360 Kb
Shadow Memory	256 Kb
Reserved Memory	128 Kb
Total Memory	16384 Kb

WARNING - NO BOOTABLE FLOPPY DRIVE 0 INSTALLED
WARNING - FLOPPY INFORMATION INVALID - RUN SCU

<CTRL-ALT-S> to enter System Configuration Utility or Press F1 to Continue

System Configuration Utility (SCU)

The System Configuration Utility (SCU) is a ROM-based configuration utility that displays the system's configuration status and provides users with a tool to set their system parameters. The settings are stored in non-volatile battery-backed CMOS RAM which saves the information even when the power is turned off, and retains that when the system is turned back on.

Invoking the System Configuration Utility

The System Configuration Utility (SCU) will be accessed when simultaneously press the Ctrl, Alt, and S keys.

< CTRL-ALT-S > to enter System Configuration Utility

The above message only lasts seconds. If you miss it, the computer will access its boot process. You must reboot the system and try again within the time limit if you like to enter the System Configuration Utility.

Working with the Menu Bar of System Configuration Utility

Press simultaneously the Ctrl-Alt-S key combination to enter the menu bar of the System Configuration Utility.

Action	Keys Used	Description
Activate menus	Alt	Activate the System Configuration Utility.
Select menu bar item	Left arrow (←)	Move to a menu bar item on the left.
	Right arrow (→) The highlighted letter key	Move to a menu bar item on the right. Move to the correspondent menu bar item.
Accept menu bar item	Mouse left button Spacebar Enter	Enter the selected menu bar item to configure settings.
Cancel current action	Mouse right button Esc	Undo the current command.

Working with the Pull-Down Menu of System Configuration Utility

When the desired menu bar item is highlighted, press the Enter key to enter the pull-down menu for values setting.

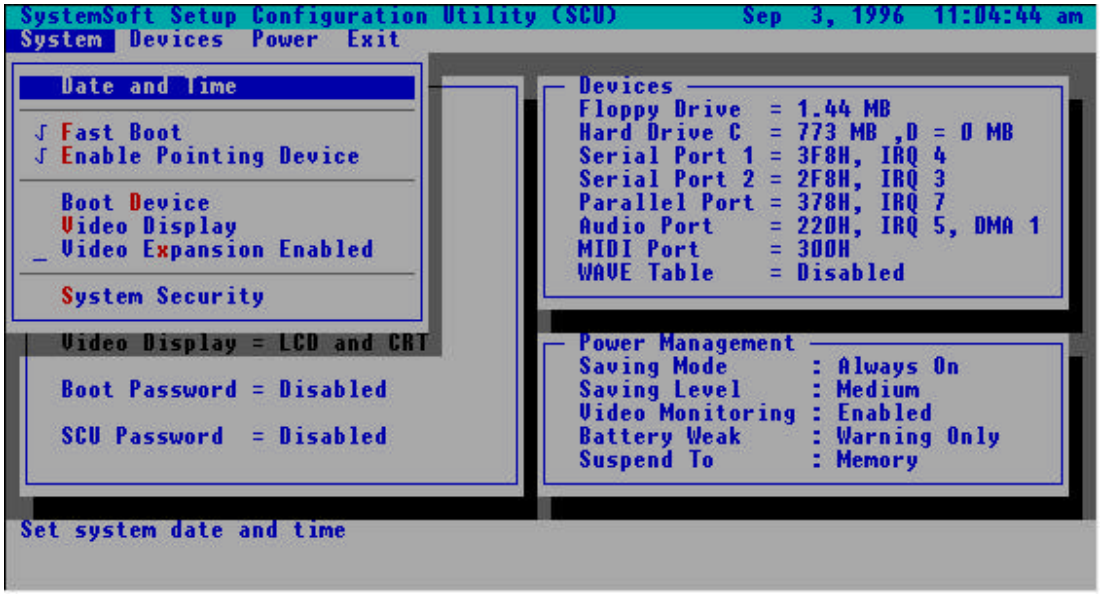
Action	Keys Used	Description
Select pull-down menu item	Down arrow (⇓)	Move to the next pull-down menu item.
	Down arrow (⇑)	Move to the previous pull-down menu item.
	The highlighted letter key	Move to the correspondent pull-down menu item.
Select a control	Tab	Move between the options.
Change values	Down/Up arrows (⇓)(⇑)	Modify the settings.
Accept entries	Spacebar	Enable/disable the specified function. When a check mark appears, the function is on.
	Enter	Choose <OK> from a list of options.
Reject entries	Esc	Undo the current setting.
	Enter	Choose <Cancel> from a list of options.
Activate accelerators	Alt	Invoke all the highlighted letters corresponding to their respective options.
Quit	Esc	Press the Esc key to close the pull-down menu.

Features of the System Configuration Utility

System Menu

Clicking an option will **enable** the specific capability.

Item	Setting	Function
Date and Time	Day/month/year Hour/minute/second	Sets the current date and time.
Fast Boot		Initializes and quickly boot the system in a few seconds by passing certain diagnostic tests.
Enable Pointing Device		Enables the internal Trackpad.
Boot Device	Diskette A	Specifies where the system boots from.
	Hard disk C PCMCIA card	
Video Display	LCD and CRT	Enables both LCD and CRT simultaneously.
	Auto sense	The display auto-switches to CRT if one is sensed.
Video Expansion Enabled		Enables the LCD expanded mode.
System Security	Enter old password	You may enter a password up to 10 printable alphanumeric characters.
	Enter new password	
	Verify new password	
	Enable Booting password	Verifies password every time the system is booted.
	Enable Setup password	Verifies the password every time you try to enter SCU.

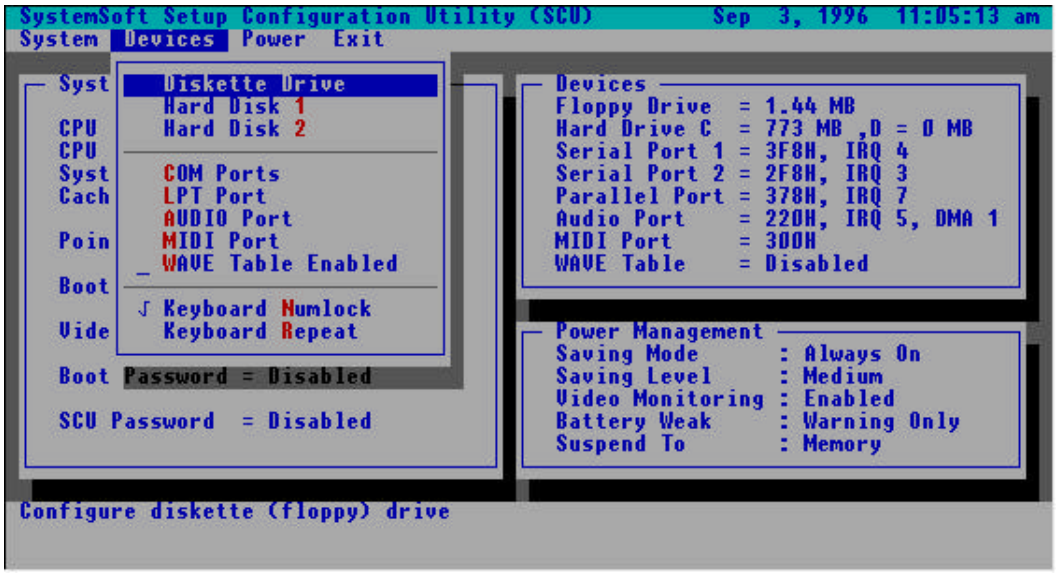


Devices Menu

Clicking an option will **enable** the specific capability.

Item	Setting		Function
Diskette Drive	None		Specifies a drive type for diskette drive A.
	1.44MB		
Hard Disk 1	Disk Type	None	No hard disk is installed in the system.
		Custom	Modifies the values for cylinders, heads, sectors per track, landing zone, write pre-composition and size (MB).
		Auto-ID	Automatically configures the hard disk parameters for any supported IDE drive.
	Enhanced Options	LBA mode	Enables Logical Block Address (LBA) mode to overcome 528MB barrier.
		Multiple sector mode	Enables multiple sector modes to increase sequential data transfers.
		Fast PIO mode	Enables Fast Programmed Input/output (PIO) mode for high data transfer rate.
Hard Disk 2	Disk Type	None	No hard disk is installed in the system.
		Custom	Modifies the values for cylinders, heads, sectors per track, landing zone, write pre-composition and size (MB).
		Auto-ID	Automatically configures the hard disk parameters for any supported IDE drive.
	Enhanced Options	LBA mode	Enables Logical Block Address (LBA) mode to overcome 528MB barrier.
		Multiple sector mode	Enables multiple sector modes to increase sequential data transfers.
		Fast PIO mode	Enables Fast Programmed Input/output (PIO) mode for high data transfer rate.
COM Ports	COM A settings	None	Specifies the COM A configuration.
		3F8H, IRQ4	
		2F8H, IRQ3	
		3E8H, IRQ4	
		2E8H, IRQ3	
	COM B settings	None	Specifies the COM B configuration.
		3F8H, IRQ4	
		2F8H, IRQ3	
		3E8H, IRQ4	
		2E8H, IRQ3	
	COM B definition	Serial port 2	Defines COM B hardware.
		IrDA (HPSIR)	
		IR (ASKIR)	

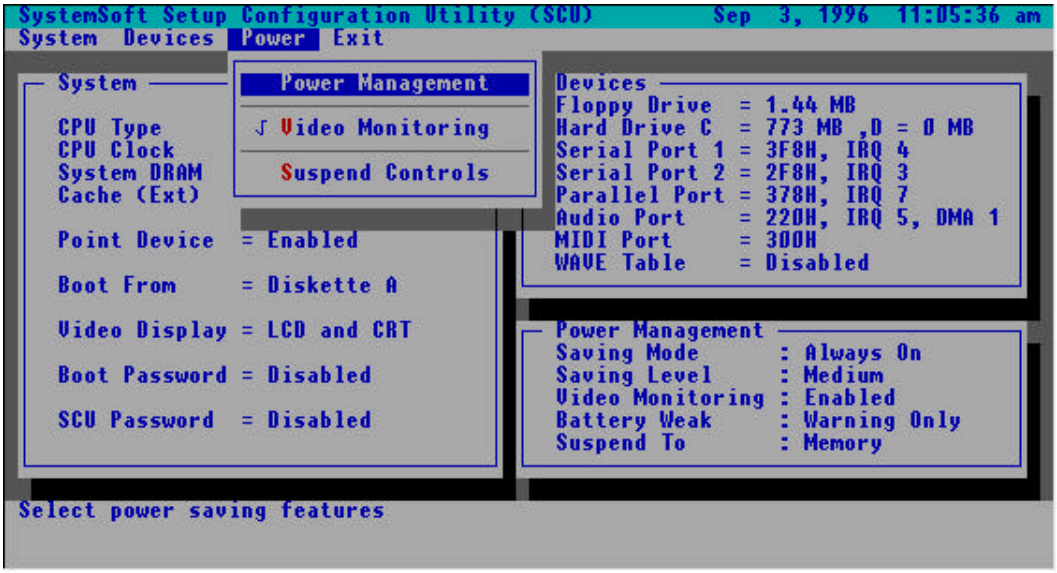
Item	Setting		Function
LPT Port	Port setting	None	Specifies the LPT port configuration.
		378H	
		278H	
		3BCH	
	Port definition	SPP mode	Standard Parallel Port.
		EPP mode	Enhanced Parallel Port.
		ECP mode	Extended Capabilities Port.
	IRQ setting	IRQ5	Specifies IRQ configuration.
		IRQ7	
	ECP DMA setting	DMA1	Specifies ECP DMA configuration.
		DMA3	
Audio Port	Port setting	220H 230H	Specifies the system's audio I/O port address.
		240H	
		250H	
	IRQ setting	IRQ9	Specifies the system's audio IRQ configuration.
		IRQ5	
		IRQ7	
	DMA setting	DMA0	Specifies the system's audio DMA channel configuration.
		DMA1	
		DMA3	
MIDI Port	MIDI port	300H	Specifies the system's General MIDI I/O port address.
		310H	
		320H	
		330H	
Wave Table Enabled			Enables Wave Table music synthesizer.
Keyboard NumLock			Specifies NumLock is on at system boot time.
Keyboard Repeat	Key repeat rate	2 cps 6 cps	Defines the rate (character per second) at which the keyboard repeats while a key is depressed.
		10 cps	
		15 cps	
		20 cps	
		30 cps	
	Key delay	¼ sec	Specifies the time (second) that will pass after a key is depressed before starts to repeat.
		½ sec	
		¾ sec	
		1 sec	


SystemSoft Setup Configuration Utility (SCU) Sep 3, 1996 11:05:13 am
System Devices Power Exit
Diskette Drive
Hard Disk 1
Hard Disk 2
COM Ports
LPT Port
AUDIO Port
MIDI Port
WAVE Table Enabled
Keyboard Numlock
Keyboard Repeat
Boot Password = Disabled
SCU Password = Disabled
Devices
Floppy Drive = 1.44 MB
Hard Drive C = 773 MB ,D = 0 MB
Serial Port 1 = 3F8H, IRQ 4
Serial Port 2 = 2F8H, IRQ 3
Parallel Port = 378H, IRQ 7
Audio Port = 220H, IRQ 5, DMA 1
MIDI Port = 300H
WAVE Table = Disabled
Power Management
Saving Mode : Always On
Saving Level : Medium
Video Monitoring : Enabled
Battery Weak : Warning Only
Suspend To : Memory
Configure diskette (floppy) drive

Power Menu

Clicking an option will **enable** the specific capability.

Item	Setting		Function
Power Management	Power saving mode	Disabled	Disables the system's power saving features.
		Battery only	Enables the system's power saving features only during battery operation.
		Always on	Enables the system's power saving features during either battery or AC operation.
	Power saving level	Low battery saving	Enables the power saving to its lowest which results in maximum performance but shortest battery life.
		Medium battery saving	Enables the power saving to its medium, which results in moderate performance and battery life.
		High battery saving	Enables the power saving to its highest which results in minimum performance but longest battery life.
Video Monitoring			Video RAM access will prevent the system from entering a standby mode.
Suspend Controls	Battery weak	Warning only	Emits a series of the warning audio beeps.
		Suspend system	Automatically suspends the system upon a low battery condition.
	Suspend mode	Suspend to memory	Specifies the suspend mode as 5-volt suspend mode.
		Suspend to disk	Specifies the suspend mode as 0-volt suspend mode.
	Modem ring resume		Resumes the system from suspend-to-memory mode when a modem ring is detected.
	Set resume alarm	Resume hour Resume minute	Sets the time to resume the system from suspend-to-memory mode.


SystemSoft Setup Configuration Utility (SCU) Sep 3, 1996 11:05:36 am
System Devices Power Exit
System
CPU Type
CPU Clock
System DRAM
Cache (Ext)
Point Device = Enabled
Boot From = Diskette A
Video Display = LCD and CRT
Boot Password = Disabled
SCU Password = Disabled
Power Management
Video Monitoring
Suspend Controls
Devices
Floppy Drive = 1.44 MB
Hard Drive C = 773 MB ,D = 0 MB
Serial Port 1 = 3F8H, IRQ 4
Serial Port 2 = 2F8H, IRQ 3
Parallel Port = 378H, IRQ 7
Audio Port = 220H, IRQ 5, DMA 1
MIDI Port = 300H
WAVE Table = Disabled
Power Management
Saving Mode : Always On
Saving Level : Medium
Video Monitoring : Enabled
Battery Weak : Warning Only
Suspend To : Memory
Select power saving features

Exit Menu

Clicking an option will **enable** the specific capability.

Item	Function
Save and Reboot	Saves the current settings and reboots the system.
Exit (No Save)	Exits the SCU without saving any of the current changes.
Default Settings Restore Settings	Changes the current setup to the system default values. Restores the current setup to the original custom values.
Version Information	Displays the current BIOS version information.