

# 200 NOTEBOOK

Preliminary Quick Manual

Apr. '99

FCC ID: NYF200

# SAFETY & COMPLIANCE

## Federal Communications Commission (FCC) - Notebook

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 the receiver.
- Connect the equipment onto 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.

Shielded interconnect cables and shielded AC power cable must be employed with this equipment to insure compliance with the pertinent RF emission limits governing this device. Changes or modifications not expressly approved by the system's manufacturer could void the user's authority to operate the equipment.

### Declaration of Conformity

This device complies with part 15 of the FCC rules. Operation is subject to the following conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation. -

### Federal Communications Commission (FCC) - Fax/modem

This equipment complies with Part 68 of the FCC Rules. On this equipment is a label that contains, among other information, the FCC registration number and Ringer Equivalence Number (REN) for this equipment. You must, upon request, provide this information to your telephone company.

If your telephone equipment causes harm to the telephone network, the Telephone Company may discontinue your service temporarily. If possible, they will notify in advance. But, if advance notice isn't practical, you will be notified as soon possible. You will be informed of your right to file a complaint with the FCC.

Your telephone company may make changes in its facilities, equipment, operations, or procedures that could affect proper operation of your equipment. If they do, you will be notified in advance to give you an opportunity to maintain uninterrupted telephone service.

The FCC prohibits connecting this equipment to party lines or coin-telephone service.

In the event that this equipment should fail to operate properly, disconnect the equipment from the phone line to determine if it is causing the problem. If the problem is with the equipment, discontinue use and contact your dealer or vendor.

The FCC also requires the transmitter of a FAX transmission be properly identified (per FCC Rules Part 68, Sec. 68.381 (c) (3)).

### Canadian Department of Communications-Notebook

This class B digital apparatus meets all requirements of the Canadian Interference-causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

### VCCI

この装置は、情報処理装置等電波障害自主規制協議会（VCCI）の基準に基づく第二種情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。

取扱説明書に従って正しい取り扱いをして下さい。

## *DHHS- the CD-ROM Drive*

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FDA Regulations require the following statement for all laser-based devices:  
"Caution, Use of controls or adjustments or performance of procedures other than  
those specified herein may result in hazardous radiation exposure."

CLASS 1 LASER PRODUCT  
LASERSCHUTZKLASSE 1 PRODUKT  
TO EN60825

**Caution:** This appliance contains a laser system and is classified as a "CLASS 1 LASER PRODUCT". To use this model properly, read the instruction manual carefully and keep this manual for future reference. In case of any trouble with this model, please contact your nearest "Authorized Service Station". To prevent direct exposure to the laser beam, do not try to open this enclosure.

### *UL Battery Caution*

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Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

## ***CE Declaration of Conformity***

The system computer model 200 and accessories conform to the following production specifications:

Manufacturer Name: Movita Technologies Inc.  
Manufacturer Address: No.26 Wu-Chuan 7 Rd. Wu-Ku Industrial Park  
Taipei County, Taiwan, R.O.C.

Model Name: 200

Is herewith confirmed to comply with the requirements set out in the council directive on the approximation of the laws of the member states relating to electromagnetic compatibility (89/336/EEC) and low voltage directive (72/23/EEC&93/68/EEC). For the evaluation regarding the electromagnetic compatibility and low voltage directive the following standards were applied.

### **Standards**

#### **89/336/EEC-EMC Directive**

EN 55022 : 1994/A1 1995 (CISPR 22)	Limits and methods of measurement of radio disturbance characteristics of information technology equipment.
EN 61000-3-2 : 1995 (IEC 555-2)	Disturbances in supply systems caused by household appliance and similar electrical equipment "harmonics".
EN 6100-3-3 : 1995 (IEC 555-3)	Part 2: harmonics/parts: voltage fluctuations.

#### **EN 50082-1 Generic Immunity Standard**

prEN 55024-2 1992 (IEC 801-2)	Electrostatic discharge requirements
prEN 55024-3 1991 (IEC 801-3)	Radiated, radio frequency electromagnetic field.
prEN 55024-4 1992 (IEC 801-4)	Electrical fast transient requirements

#### **73/23/EEC-Low Voltage Directive**

EN 60950 1992 +A1+A2+A3	Electronics Data Processing Equipment
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The following manufacturer/importer is responsible for this declaration:  
Company Name: Movita Technologies Inc.

Company Address: No.26 Wu-Chung 7 Rd. Wu-Ku Industrial Park  
Taipei County, Taiwan, R.O.C

Person responsible for making this declaration:

Name: Daniel Yang  
Position: E.V.P.  
Place: Taipei  
Date: 1999/4/12

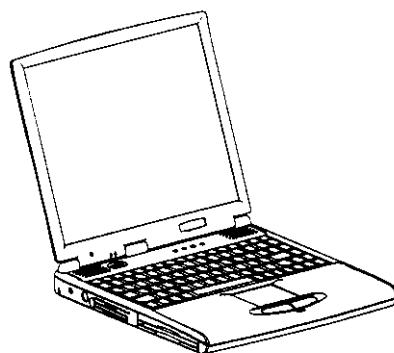
# CHAPTER 1: INTRODUCING THE NOTEBOOK

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## *Welcome*

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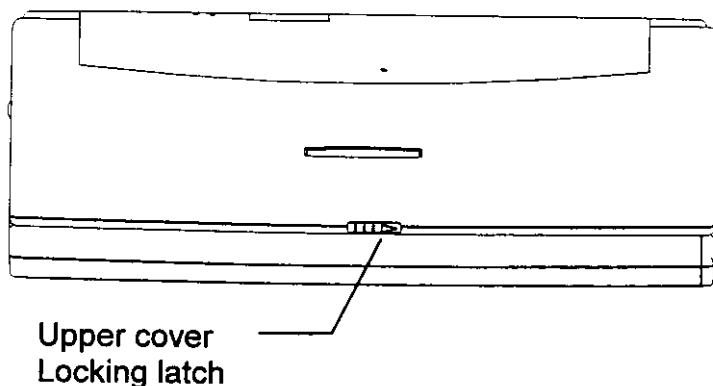
This notebook is a state of the art portable computer that delivers high-performance processing and crisp graphics on a large built-in screen and can easily replace a typical full-sized desktop computer. The system has multiple media storage devices and versatile upgrade paths for increasing memory, adding peripheral devices, and so on.



### *To Open the System*

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Slide the locking latch on the front edge of the notebook to the right and lift the built-in screen up to a good viewing angle.

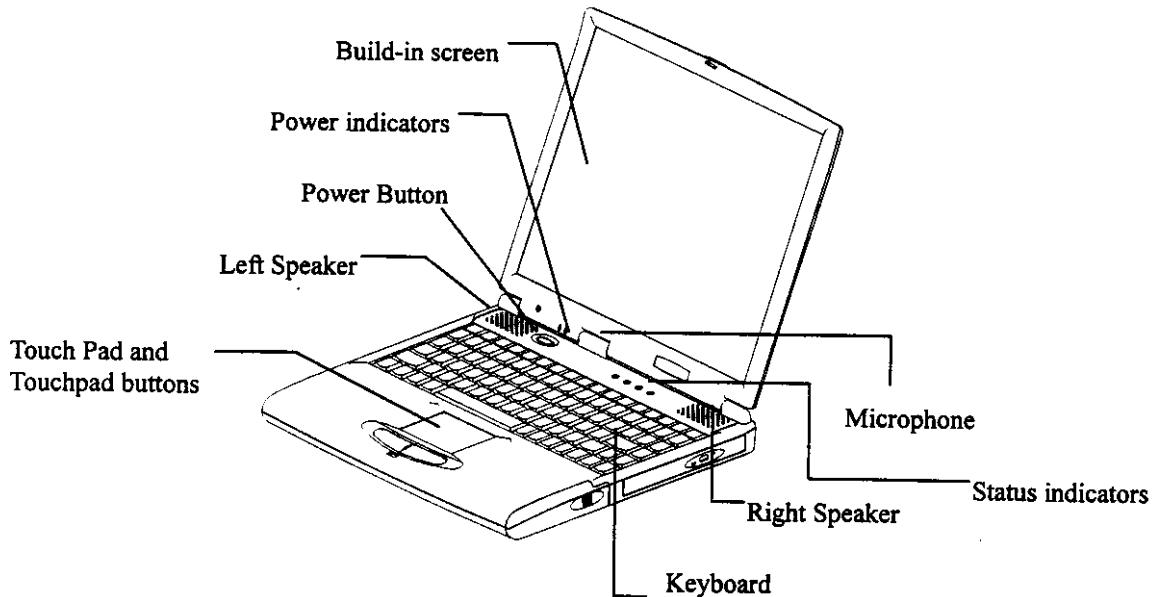


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## Inside the Notebook

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The main working area of your notebook includes the keyboard, touchpad, touchpad buttons, audio system speakers, microphone, power switch, indicator lamps, and the built-in screen.



### Power Indicators

The two power indicators are located on the up edge of the power button.

Left-side Indicator	
Steady green light	System is turned on
Flashing green light	System is in Suspend mode
Right-side Indicator	
Steady green light	Battery is fully charged
Flashing green light	Battery is charging

### Status Indicators

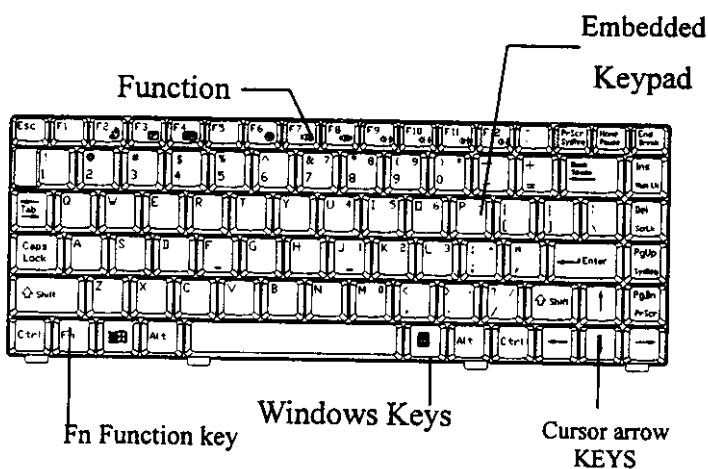
The four status indicator lamps are located just above the keyboard. From left to right, the four indicators represent the HDD, Caps, Num Lock, and Scroll Lock, respectively.

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## *About the Keyboard*

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The appearance of the notebook keyboard depends on the version of the system that you are using, and the language version of your system.



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## *Function Key Reference*

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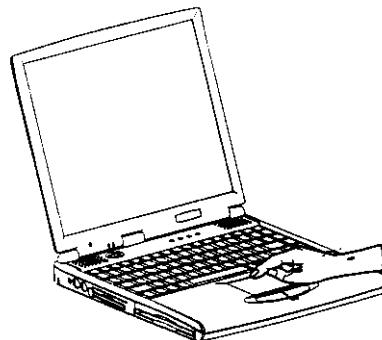
The table below illustrates each function key action, and other embedded keyboard icons:

Keystrokes	Icon	Action
FN + F2		This key combination causes your notebook to suspend to RAM.
FN + F3		This key combination causes your notebook to suspend to disk.
FN + F4		This key combination toggles the video display between the built-in screen and an external monitor.
FN + F6		This key combination turns off of the sound built-in speakers.

FN + F7		This key combination increases the volume of the speakers, and any speakers attached to the sound port.
FN + F8		This key combination decreases the volume of the speakers, and any speakers attached to the sound port.
FN + F9		This key combination increases the brightness of the built-in screen.
FN + F10		This key combination decreases the brightness of the built-in screen.
FN + F11		These two keystrokes are used to control the screen contrast. This system uses a bright active matrix display with a fixed contrast, so these functions do not operate on this notebook.
FN + F12		This key activates the Start button Windows Task Bar.
		This key opens the pull down menu of a selected icon or object.

## Using the Touchpad

Moving your fingertip across the touchpad surface, is exactly the same as moving a mouse across a mousepad.



Two buttons are located below the touchpad. The button on the left acts exactly like the left button on a mouse.

The button on the right acts exactly like the right button on a mouse.

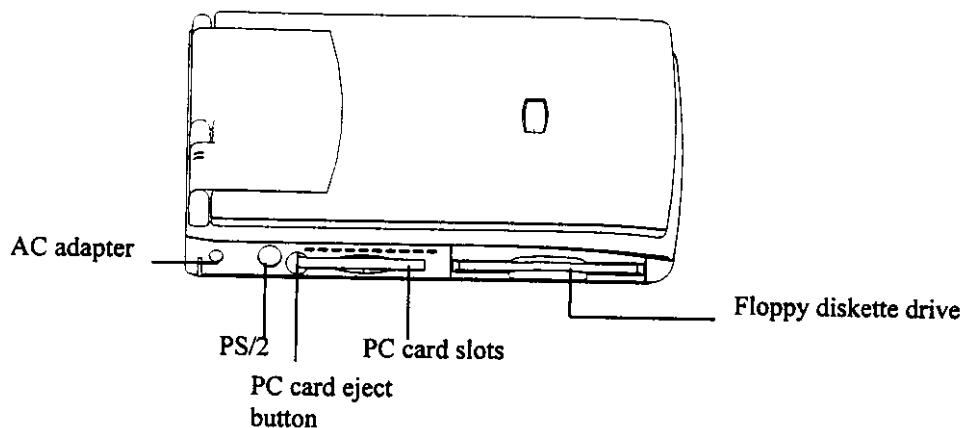
For more detailed information about Tapping, Scrolling, Auto scroll, and Panning, please refer to the on-line manual on the included CD-ROM.

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### *Left-side Description*

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The left side contains a FDD drive bay, a PS/2 port, a AC adapter port and a PC card slot.

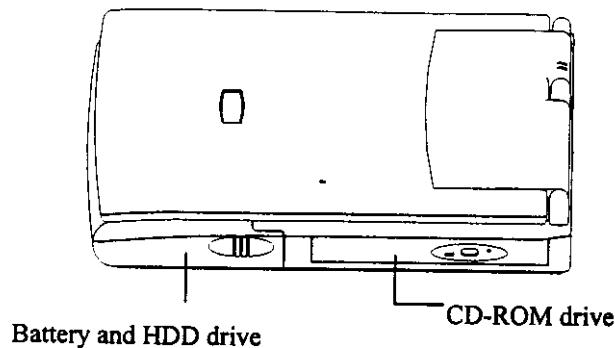


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### *Right-side Description*

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The right side houses a battery and Hard disk drive compartment and a CD-ROM drive.

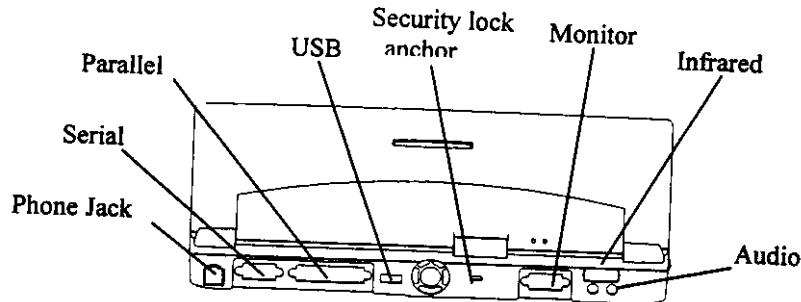


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## Rear Side I/O Ports

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The rear side has a full range of I/O ports that allow you to connect a variety of peripheral devices to your system.

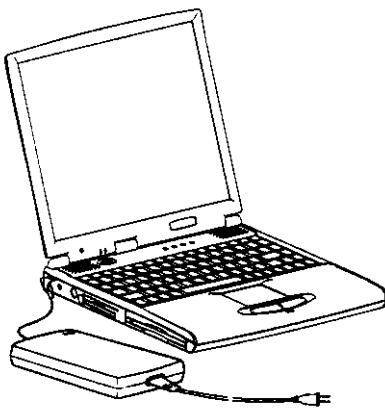


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### ***Using the AC Adapter Jack***

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The rear side of the notebook has a single power jack for the DC power cable from the AC adapter.



**Note:** To connect a serial, parallel, or USB device, we recommend that you power down the system, connect the device, and then restart the system. If necessary, you can make changes to the IRQ (interrupt request) and I/O address of the port, by using the system setup utility.

### **Using the Serial Port**

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The 9-pin serial port can be used to connect your notebook to serial devices such as a serial mouse, an external fax/modem, and so on. This Serial Port is identified by your notebook as COM1. Your notebook also runs the infrared transceiver through a serial port called COM2, and if the optional fax/modem is installed, it is identified as either COM3 or COM4.

### **Using the Parallel Port**

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The 25-pin parallel port is usually used to connect your notebook to a parallel device such as a printer, scanner, or plotter. When you add a printer to your system, you usually need to load a driver for the printer from the original Windows CD or diskettes. The *Printer* icon in the *Control Panel* has an *Add New Printer* icon to help you install a printer. The Parallel Port is identified by your notebook as LPT1.

### **Using the USB Ports**

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The USB (Universal Serial Bus) port is a new interface for computers. It is designed for all types of devices, such as a keyboard, mice, scanners, etc.

### **Using the Stereo and Video Ports**

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The stereo out jack or RCA jack is for the use of an A/V cable. The video port can be configured for the NTSC or PAL TV format by using the video software utility.

### **Using the External Monitor Port**

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The external monitor port can be used to connect an external CRT (cathode ray tube) or flat panel monitor to your notebook.

### **Using the PS/2 Port**

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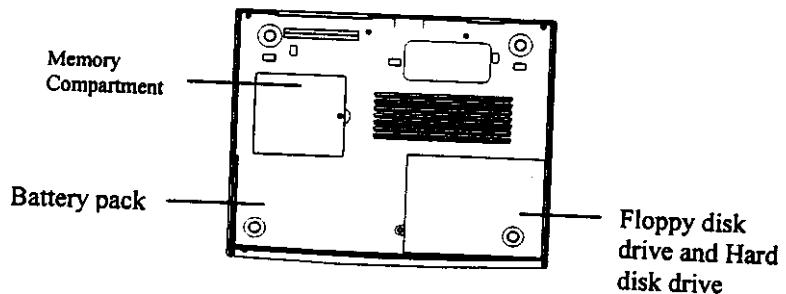
This port lets you connect an external keyboard to your system, such as a full size AT-enhanced keyboard, or an external pointing device to your system, such as a mouse or a Track Ball. The PS/2 device must have a mini-DIN PS/2 connector.

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## *Features on the Unit Base*

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The base of the notebook has a compartment for adding memory and allows you to remove the battery pack and the hard disk drive.



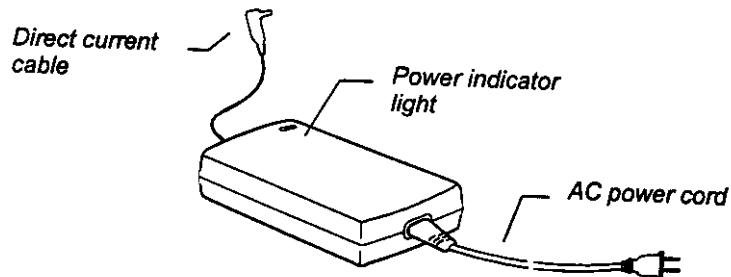
For additional information on each feature of the notebook, please refer to the detailed on-line manual included on the additional CD-ROM in the accessory kit.

## CHAPTER 2: GETTING STARTED

### *Connecting Power to the System*

**Warning :** It is particularly important that you only use the AC adapter supplied from your dealer. Otherwise, you may damage your notebook.

The AC adapter is auto-sensing so that your notebook can operate through the AC adapter connected to any available power supply in a wall outlet. The AC adapter is also used to recharge the rechargeable battery.



**Note:** It is particularly important that you give your battery a full charge the first time that you use it. We recommend that you leave the system connected to the AC adapter until the battery is fully charged. The right indicator lamp on the front edge of the notebook will stop flashing when the notebook is fully charged.

1. Plug the power cord into a regular AC power supply outlet.
2. The power indicator on the AC adapter will turn on to show that it is connected to AC power.
3. Plug the direct current cable from the AC adapter into the AC adapter jack on rear side of the notebook.
4. The right side indicator on the front edge of the notebook will begin flashing with a green light. This indicates that the AC adapter has begun charging the internal battery.

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## *First Time Start Up*

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When you have connected the notebook to a suitable power supply, and you are familiar with the operation of the keyboard and touchpad, you are ready to begin using your computer.

***Warning : The description below applies to notebooks that have been pre-installed with an OEM version of Windows 95 or Windows 98. If your system has not been pre-installed with an OEM Windows, install your own operating system using retail versions of the operating system software and following the instructions given with the software, or by referring to the section System Setup and Installation.***

If the Windows operating system is partially installed on your system, the installation is completed when you turn on the computer for the first time. At that point, Windows will run a setup program which gathers important information about you and your computer preferences, so that Windows operates the way you want it to. Throughout the setup procedure, Windows will present dialog boxes on the screen. When you have read the dialog box and wish to proceed with the installation, use the touchpad to point to the Next button and then click it.

1. Turn on your notebook by pressing the power switch down and holding it down for about two seconds. When you see activity on the status display panel, you can release the power switch.
2. When Windows starts, you may see a Safe Recovery message. This means that the notebook has been turned on at least once since the partial installation of Windows, and Windows has registered the fact that the final installation was not completed at that time. You can ignore the safe recovery message and proceed.
3. The setup program will ask for the language and layout of your keyboard. Select the appropriate items from the list provided and proceed.
4. Setup will then ask for your name and company name if applicable. Type in the information and proceed.
5. Setup will then display the Windows license agreement. This document details the terms and conditions under which you are licensed to use the Windows software. You must read this information and then click on the "I accept the agreement" check

box in order to proceed.

6. Setup will then ask you to type in the registration number on the Certificate of Authenticity (COA). The COA is generally pasted on the front cover of the Windows 95 manual that is shipped with this system.
7. Setup will then begin to configure your computer. After some time, you will be required to restart the computer.
8. When the notebook has restarted, setup will ask you to select a printer for your system. You can select a printer at this time, or leave it till later if you prefer.
9. Setup will then display a Time Zone window. Use the touchpad to select the correct time zone for you location, and reset the time and date.
10. At the end of the setup session, a backup utility appears which allows you to make backup diskettes of the Windows operating system. This requires two or more boxes of diskettes. If you have a Windows CD-ROM, or Windows diskettes, you can cancel this procedure, or delay it to a later time.

You can learn a lot about your computer by using the windows *My Computer* utility, located on your desktop. If you click on this icon, it will show a graphical representation of the media devices on your system.

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### *System Setup and Installation*

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1. Place a Windows or DOS boot diskette in the floppy diskette drive and turn on your system.
2. If you are creating new partitions on the drive, you must run the OVMAKFIL utility first, in order to create a partition for the 'suspend to disk' feature on your notebook.
3. If you are creating new partitions on the drive, use the DOS/Windows FDISK program to create the partitions.
4. Use the DOS/Windows FORMAT program to format the new partitions.
5. If you cannot access the CD-ROM drive, install the CD-ROM driver from the support disk. Copy the files to a floppy diskette if necessary.
6. After you have access to the CD-ROM drive, install your Windows CD in the drive. The Windows installation should begin automatically. If it doesn't begin automatically, run the SETUP program on the disk.

7. Follow the instructions to install Windows.
8. After a successful Windows installation, place the support utility CD in the drive and start installing the drivers and utilities that you need for the system. Depending on the configuration of your notebook, you may not need to install all the software on the Utility CD.
9.  Look for a README file inside the folder of the software that you are about to install. It may contain special installation instructions, or updated information that is not included in this section.
10.  Look for the installation program and run it. This program is usually called SETUP or INSTALL. Follow the instructions on the screen to install the drivers and/or utilities.
11.  You will probably need to install the following software from utility CD:

Touchpad: Driver/Utilities

Intel Update Patch Program (only for WIN 95)

Video: Drivers/Utilities

Audio: Drivers/Utilities

PC Card Drive (PCMCIA): Drivers/Utilities

CD-ROM: Driver/Utility

Fax/Modem: Driver/Utility

## Specification

<b>200</b>	
processor	Intel Pentium II with AGP Intel Pentium II PPGA with 300/333/366/400/433 MHZ Emable L2 Cache 128K
SYSTEM CHIP	Intel 440BX
L2 Cache	L1/L2 Cache Embedded Processors L2 Cache with 128K
Memory	Two 144 pin 3.3v SODIMM Socket Max 256MB Fast PC100 SDRAM
BIOS	2Mbit 3.3v Flash EPROM PC 98,ACPI Compliant
Display	128bit 2D&3D Support Embedded 4MB Video RAM 12.1" XGA TFT ,Resolution 800*600
HDD	ATA-33 Ultra DMA
FDD	3.5" ,1.44MB
CD-ROM/DVD	24X CD-ROM ,2X DVD-ROM
Audio	Two speakers(1W) and internal MIC H/W Wavetable,16bit stereo audio
PCMCIA	One Tpe II slot 3.3V or 5v Crds Supported PC card V3.0 Card Bus
INPUT DEVICE	PS/2 interface Trackpad
I/O Interface	One 9Pin Serial port One EPP/ECP 25 Pin Parallel port One Serial Infrared port(FIR) One 15Pin Monitor port One 6Pin PS/2 Keyboard/Mouse port One USB port Two audio jacks:headphone/speaker External MIC-in
Power System	Mi-MH or Li-ion Batteries,Removable
PMU	Suspend to RAM/HDD Mode and Last Frozen stage
Physical	Dimension:297mm*245mm*38mm(W*D*H)
Regulations	FCC,CE,VCCI,CNS,UL,CUL,TUV,S MARK
Option	56k bps V.90 Fax/Modem