



Advanced users should check the sidebars which look like this.

You'll find setup information about drivers, tips and more detailed information about the notebook's various features.

"Beginners" are welcome too. As you get used to your computer, you may be surprised at how much of this stuff you can understand.

# 1 Introduction

This manual explains the hardware and essential software you need to operate your notebook computer. Information about "non-essential" or "enhancement" software is also included, but in a separate section. Depending on how your system is configured, some or all of the features described may already be set up.

If you're an "advanced" user, you may want to skip over most of this manual. However, you should still look at the Quick Start guide page 3 of this chapter. Also look at *Chapter 5: Power*. Information that might be of particular interest to you is indicated by the "★" symbol and is found in the gray areas of each chapter.


If you are new to the wonders of notebook computers, or just feel like a beginner, you should still look over all of the documentation. Don't worry if you don't understand everything the first time around. Just keep this manual near your computer, and learn as you go.

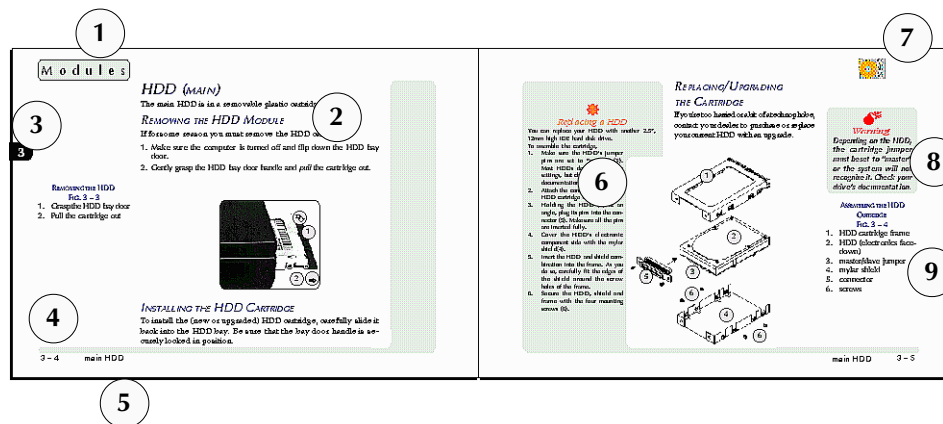
# Introduction

## SAMPLE PAGES

FIG. 1 – 1

1. chapter topic
2. general/beginner text
3. chapter tab
4. page #
5. quick key
6. advanced user text
7. chapter icon
8. warning text
9. graphic key

No matter what your level, please pay careful attention to warning and safety information indicated by the “” symbol. Also, pay careful attention to the safety information in the *Preface*.



## NOT HERE

Operating systems (i.e. *Windows 9x*, *Windows NT 4.0*, *OS/2 Warp*, *UNIX*, etc.) have their own manuals as do application software (e.g. word processing and database programs). If you have questions about those programs, you should consult those manuals.




## PACKING CONTENTS

Keep the packing materials in a safe place in case you need them for shipping or long-term storage.

## QUICK START

If you're already familiar with notebook computers, the steps listed below tell you how to start up the notebook for the first time. They assume that you know where all of the parts of the computer are. You should review these steps, *before* you take any action. If you aren't sure about one of the procedures, check the relevant chapter before continuing.

1. Follow the safety instructions on page *iv*, especially the instructions on placement.
2. Remove all packing materials, floppy disks and any PC Cards.
3. Secure the main battery pack in its compartment. (Ch. 5)
4. Securely attach any peripherals you want to use with the notebook (i.e. mouse or keyboard) to their ports. (Ch. 1)
5. Attach the AC adapter to the port on the rear of the computer. (Ch.5)
6. Plug the AC power cord into an outlet.
7. Connect the AC power cord to the AC adapter.
8. Raise the lid/LCD to a 90° angle.
9. Push in the  button (power switch) to turn "on".



### Battery Charges

When you get your system, the battery(ies) may not be fully charged. Follow the procedure in *Chapter 5: Power, First Time Use and Storage* (page 5-4), to charge the battery.



### Save to Disk

If you plan to use the *Save to Disk* option in the future, make sure your hard disk has enough *unpartitioned* and *unformatted* space left to accommodate the size of the file or partition you expect to you have. Refer to *Chapter 5: Power* for details.

# Introduction

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## SYSTEM MAP

This notebook series provides two external design options identified as 1st ID and 2nd ID. The following graphics are a general map of the notebook computer. Explanations of the various sub-systems are covered in the chapters indicated.

### FRONT VIEW: WORK PANEL, LCD & CD-ROM BAY

#### WORK PANEL VIEW

FIG. 1 – 2A

1. microphone
2. speakers
3. close-cover switch
4. power-on light
5. power button
6. status LEDs
7. keyboard
8. TouchPad & buttons
9. CD-ROM

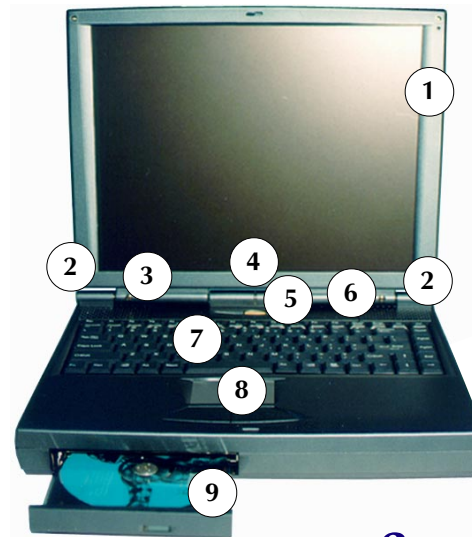


*1st ID*



Latch  
TouchPad  
LCD  
CD-ROM

To open the notebook cover, slide this latch to the right.  
*Chapter 2: System* covers basic functions.  
Video functions are covered in *Chapter 2: System*.  
*Chapter 2: System* covers basic audio functions.  
*Chapter 6: Enhancements*, has additional audio utilities.



**2ND ID**

#### WORK PANEL VIEW

FIG. 1 – 2B

1. microphone
2. speakers
3. close-cover switch
4. power-on light
5. power button
6. status LEDs
7. keyboard
8. TouchPad & buttons
9. CD-ROM

# Introduction

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## Warning

*Pressing the Reset button will cause the computer to reboot. Any data not saved will be lost.*



## Warning

*Do not block the fan. Overheating may cause the system to become unstable.*

### LEFT PANEL

#### FIG. 1 – 3

1. reset
2. serial 2 IrDA port
3. system cooling fan
4. USB port
5. phones - using this port disables the speakers.
6. mic-in
7. audio line-in
8. PC Card compartment including PC Card ZV port

## LEFT VIEW: RESET, IrDA, USB, AUDIO & PC CARD

**(Reset)** This is like the reset button on a desktop computer. To use it, press in using a probe (e.g. a straightened paper-clip).

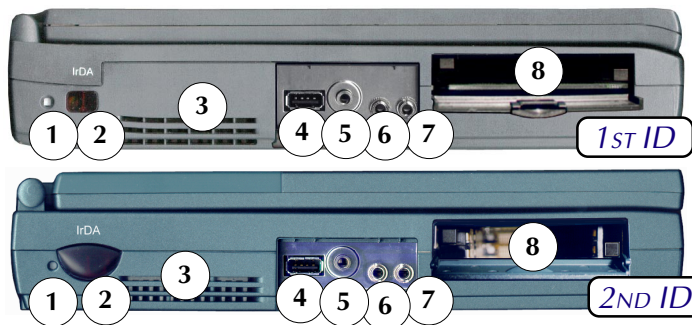
**IrDA** This port uses (serial) COM2 resources. The infrared connection supports the SIR, FIR and ASK standards. Its most common use is for a printer, modem or LAN.

**Note:** Newer versions of *Windows 98* have an IrDA driver built-in. For older versions, support is available from Microsoft Corp. For other operating systems and IrDA standards, consult your system vendor. Also consult the user's guides for the device this port is going to work with.

**(USB)** Refer to *Chapter 2: System* on how to activate this port.

**(Audio)** Setup for this subsystem is covered in *Chapter 2: System*.

**(PC Card)** Your computer uses newer technologies than the drivers included in *Windows 95*. Use the setup procedure detailed in *Chapter 2: System*. Supplemental PC Card drivers are detailed in *Chapter 6: Enhancements, "PC Cards"*.





### **Warning**

**Don't try to remove the hard disk (HDD) while the system is on. This could result in data loss or damage.**

**Don't try to remove a module in the drive bay (i.e. FDD or Zip) while the system is accessing it. This may cause the system to "crash".**

## **RIGHT VIEW: HDD, DRIVE BAY, POWER BAYS & FAXMODEM (OPTION)**

### **HDD Bay**

Refer to *Chapter 3: Modules* for more on how to setup or replace a HDD.

### **Drive Bay**

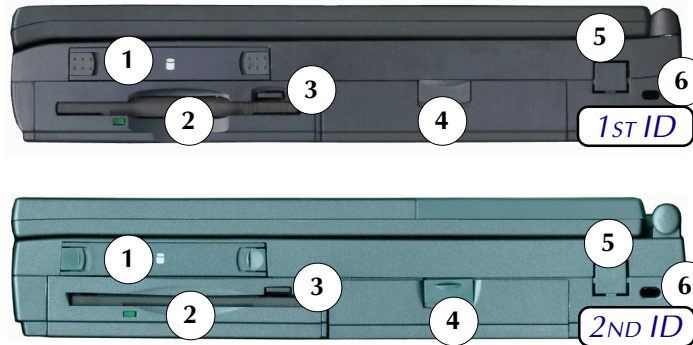
*Chapter 3: Modules*, covers the options available for this bay.

### **Power Bay**

Refer to *Chapter 5: Power* for all aspects of the power system.



**(Fax-Modem)** Factory installed option. If your system doesn't have a fax-modem installed, this slot will have a cover. Do not remove it. Ask your dealer about installing a fax-modem module.



### **RIGHT PANEL**

**FIG. 1 – 4**

1. HDD Bay
2. Drive Bay (with FDD)
3. FDD eject button
4. Power Bay
5. fax-modem (option)
6. Kensington lock port

# Introduction

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## Warning

*The default setting in Setup makes all ports “hot”. Depending on the peripheral, this could cause a problem when you attach it. Check your peripheral’s manual before you make a connection.*

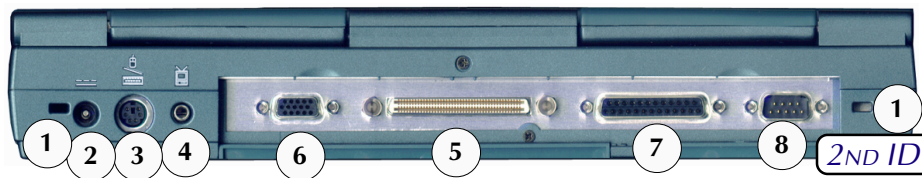
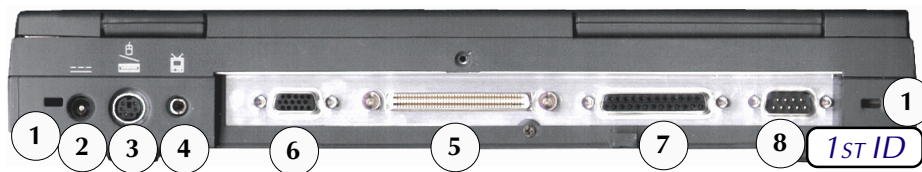
### REAR PANEL

FIG. 1 – 5

1. Docking station guides
2. adapter port
3. PS/2 port
4. TV-out
5. expansion port & door (open)
6. external monitor port
7. LPT1 parallel port
8. COM1 serial port

## REAR VIEW: PORTS

The principal peripherals plug in on this panel. To be safe, turn off both the system and peripherals *before* connecting them. Turn the peripherals on *first*, *before* you turn on the system.





## Kensington Lock



This is a standard security port.

**[PS/2 Port]** Use this with any standard PS/2 external keyboard or mouse. For details, refer to *Chapter 2: System*, “TouchPad”.

**[TV-out Jack]** This is explained in *Chapter 2: System*.

**[External Monitor]** Use this port with any standard color VGA monitor. For details, refer to *Chapter 2: System*.

**[Expansion Port]** With the main hinged door closed, connect to this port through the sliding door. The optional docking station’s manual has more information.

**[Parallel Port]** This port supports several standards:

Standard AT (Centronics)

Bidirectional

Enhanced (EPP) -versions 1.7 & 1.9

Extended Capabilities (ECP)

Most printers use the Standard mode. The *Setup*’s “Help” bar (refer to *Chapter 4: Firmware*) explains how to adjust this setting. Your peripheral’s manual explains how to configure the device.

This port also serves as the external FDD connection. Refer to *Chapter 3: Modules* for more on this feature.

**[COM1 (serial)]** Use this with any 9-pin serial device (e.g. a mouse, serial printer or modem). Consult the user’s guides for the device this port is going to work with. For pointing devices, refer to *Chapter 2: System*, “TouchPad”.



### PS/2 Note

You can only use one type of PS/2 device per system session. If you want to use a different device (mouse or keyboard), you must shut down and restart the system. However, you can detach and reconnect the same device during a system session.



### Printer Note

Your operating system may include drivers for many printer models. Consult your printer dealer for the most recent driver for your model, as this can greatly affect the performance of the printer.

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## Warning

**Follow the safety instructions for using modules.**



## Warning

**Do not block the fan. Overheating may cause the system to become unstable.**

### BOTTOM PANEL

FIG. 1 – 6

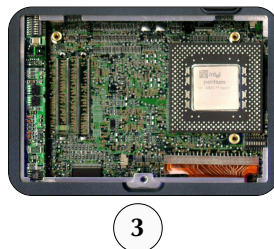
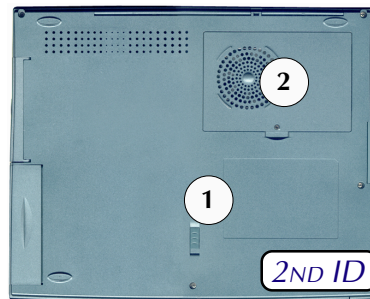
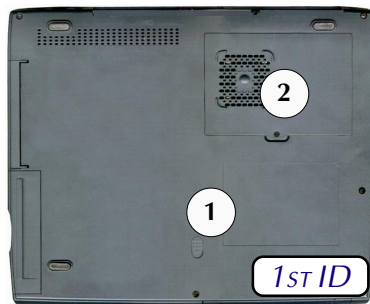
1. Drive bay expansion module release latch
2. CPU compartment fan
3. PPGA CPU view\*
4. MMO CPU view\*

\* These views are provided to satisfy curiosity. Do not attempt to access the CPU compartment. Doing so may violate your warranty.

## BOTTOM VIEW: COMPARTMENTS

The Drive bay is covered in *Chapter 3: Modules*.

There is nothing user-serviceable in the CPU compartment. Do not open this compartment. Doing so may violate your warranty.





## Hot Key Controls

Some of the features are managed by **Fn**+key combinations:

Keys	Control	Comment
<b>Fn + F3</b>	contrast down	reduces LCD image contrast (DSTN display only)
<b>Fn + F4</b>	contrast up	increases LCD image contrast (DSTN display only)
<b>Fn + F5</b>	brightness down	reduces LCD brightness
<b>Fn + F6</b>	brightness up	increases LCD brightness
<b>Fn + F7</b>	volume down	decreases volume level
<b>Fn + F8</b>	volume up	increases volume level
<b>Fn + F9</b>	CRT/LCD/LCD+CRT	toggles between display devices: monitor, LCD and combinations. (Refer to video setup information)
<b>Fn + F10</b>	suspend switch	activates "Save to Disk" (if that feature is enabled) toggles between suspend function on & off - "Suspend" (to RAM) only
<b>F2</b>	enter <i>Setup</i>	If pressed immediately after boot-up, this starts the Setup utility
<b>(any key)</b>	resume	This ends power-saving mode including "Suspend" (to RAM), but not "Save To Disk"

Whenever you use a key combination, start pressing them in the order they are listed. Don't release any of the keys in a sequence until you've pressed the last one.



### Screen Controls Note

Active matrix TFT screens have excellent contrast ratios, so the contrast control is not needed.

Table 1 – 1  
Hot Key Controls




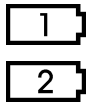
# Introduction

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## LED INDICATORS

Your notebook lets you know what it's doing with the following LED indicators.

Table 1 – 2  
LED INDICATORS

LED/Indicator	Name	Variation		Meaning
		System State	Color	
	On/OFF switch	(all states)	no light	system OFF / Save to Disk
			ON	system On / Standby
			flashing	Suspend (to RAM) - 1st ID only
	Power Bar	(all states)	ON	system On Standby / Suspend (to RAM)
			no light	system OFF Save to Disk
			flashing	Suspend (to RAM) - 2nd ID only
	AC-power	(all states)	ON	power from AC adapter
			OFF	battery powered
	Battery Status	AC-in	green	fully charged
			red	battery is charging
		Battery only	no light	battery charge OK
			flashing green	battery Low








LED/Indicator	Name	Meaning
	FDD	accessing FDD module
	HDD	accessing HDD
	NumLock	NumLock is engaged, embedded numeric keypad activated
	CapsLock	CapsLock is engaged, all alphabetic keys are upper case
	ScrollLock	ScrollLock is engaged

Table 1 – 2 (cont.)  
**LED Indicators**

# Introduction

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*NOTES:*