User's Guide

Extensa™ 660 Series Notebook Computers

Notice

This device 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 device 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 device does cause harmful interference to radio or television reception, which can be determined by turning the device 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 device and receiver
- Connect the device into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/television technician for help

Notice: Shielded Cables

All connections to other computing devices must be made using shielded cables to maintain compliance with FCC regulations.

Notice: Peripheral Devices

Only peripherals (input/output devices, terminals, printers, etc.) certified to comply with the Class B limits may be attached to this equipment. Operation with non-certified peripherals is likely to result in interference to radio and TV reception.

Caution

Changes or modifications not expressly approved by the manufacturer could void the user's authority, which is granted by the Federal Communications Commission, to operate this computer.

Notice

Use Conditions

This part complies with Part 15 of the FCC Rules.Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Notice: Canadian Users

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Remarque à l'intention des utilisateurs canadiens

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

Extensa 660 Series Notebook Computers
User's Guide
TI Part No. 9813212-0001
Original Issue: November 1996

Changes may be made periodically to the information in this publication. Such changes will be incorporated in new editions of this manual.

Record the serial number, purchase date, and model number in the spaces provided below. The serial number and model number are recorded on the label affixed to the case. All correspondence concerning your unit should include the serial number, model number, and date of purchase.

Model Number

Serial Number

Purchase Date

Contents

Contents

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Before You Begin

This chapter describes the manuals and other documentation that ship with your computer and identifies the major features of the Extensa 660 Series Notebooks. This chapter also describes the environmental conditions under which your notebook can be operated and stored. The last part of the chapter provides an overview of the power management features of the notebook that can greatly extend the amount of time you can operate the notebook away from AC power without having to recharge the battery pack.

Printed Manuals

Contents of the User's Guide

This manual provides the information you need while the computer is turned off. The computer could be turned off for a variety of reasons.

- Setting up
- Installing accessories
- Traveling
- Solving problems

Other printed documents

Your computer ships with the following printed manuals.

Manual	Information
Installation poster	Guides you through a first-time installation
Safety Instructions	Contains important precautions about personal safety
Warranty Card	Describes the limitations of your warranty protection
Software license agreement	Describes your rights and obligations concerning use of included software
Windows® 95 documentation kit	Includes an overview of the Windows 95 operating system and the Microsoft® Certificate of Authenticity

Creating Backup Disks

You should create your backup system disks as soon as possible after purchasing your computer. The process you follow depends on the operating system you selected when you installed the computer for the first time.

Windows 95

Creating backup System Disks for Windows 95 requires approximately 43 formatted 3.5-inch, 1.44 MB floppy disks. Labels for the floppy disks are included with the manual.

To create the disks, use the create System Disk tool from Windows 95.

Windows for Workgroups

Creating backup System Disks for MS-DOS and Windows for Workgroups requires approximately 20 formatted 3.5-inch, 1.44 MB floppy disks

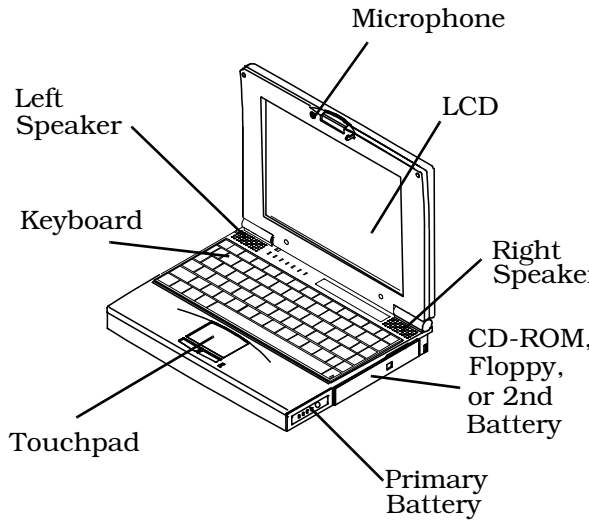
To create backup system disks, use the Make Disk utility, which is located in the Main program group.

Features of the Computer

Standard Features

Standard features of your Extensa 660 computer include:

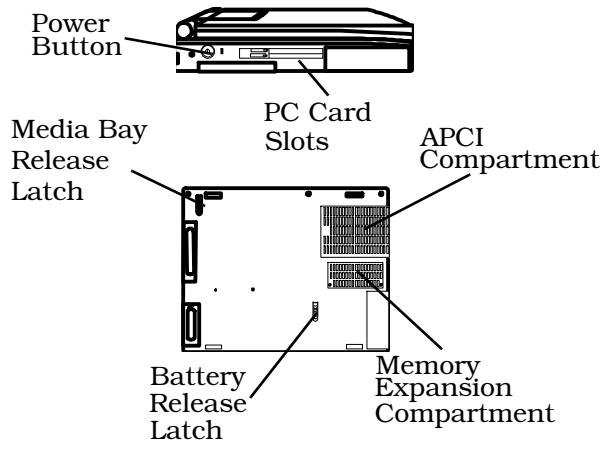
- 133 MHz Pentium Processor
- 16 MB EDO (Extended Data Out) memory
- PCI Bus architecture
- Large screen STN or TFT color display, 1.5 MB EDO video memory, and fast video graphics accelerator
- 16-bit stereo audio
- Fast infrared communication and standard I/O ports
- NiMH (Nickel-Metal-Hydride) or optional Li-Ion (Lithium-Ion) battery pack
- High capacity hard disk drive
- Built-in keyboard and touchpad pointing device



Customizing Features

The following features allow you to customize your computer to fit your own requirements.

- Modular bay that accepts a 3.5-inch floppy disk drive module, CD-ROM drive module, or secondary battery module.
- PS/2 port for connecting an external keyboard, numeric keypad, or mouse.
- 9-pin serial port for connecting external devices such as a modem or mouse.
- Simultaneous display with an external CRT.
- Two Type I/II or one Type III Cardbus PC Card slots; lower slot accepts Zoomed Video port enabled PC cards.
- Parallel port with EPP and ECP for connecting to a printer.
- Easy memory expansion using a 16 MB, 32 MB, or 64 MB soDIMM module
- Advanced PCI Card support.



Environmental Specifications

Temperature	Operating:	50° to 95°F (10° to 35°C)
	Storage:	-4° to 140°F (-20° to 60°C)
Relative Humidity (Noncondensing)	Operating:	20% to 85%
	Storage:	20% to 85%
Shock	Operating:	Maximum 5g pulse in X, Y, and Z orientations.
	Storage:	Maximum 50g pulse in X, Y, and Z orientations.
Vibration	Operating:	Sinusoidal 5 to 25.6 Hz limited to 0.015-inch peak-to-peak maximum displacement. 0.5g, 25.6 to 250 Hz
	Storage:	Sinusoidal 5 to 27.1 Hz limited to 0.016-inch peak-to-peak maximum displacement. 2.0g, 27.1 to 500 Hz

Using power management timeouts

Your computer offers several timeouts to extend battery life by turning off unused components of the computer. These timeouts are included in the **Power Management** page of the System Setup screen.

To display the System Setup screen, press **F2** during boot up or **Fn+F1** any other time.

From the System Setup screen, you define when the timeouts are in effect.

- **Always—**Enables timeouts at all times
- **Battery Only—**Enables timeouts when the computer is on battery power
- **Disable—**Disables all timeouts

Types of power management timeouts

You can define the following power management timeouts.

Standby Timeout	The amount of time the computer needs to be idle before the computer enters Standby mode.
5V Suspend Timeout	The amount of time the computer needs to be idle before the computer enters the 5V Suspend mode.
0V Suspend Timeout	The amount of time the computer needs to be idle before the computer enters the 0V Suspend mode.
Hard Disk Timeout	The amount of time the computer needs to be idle before the hard disk motor spins down.
Display Timeout	The amount of time the computer needs to be idle before the display back light turns off.

Power Management Timeouts

Actions that suspend timeouts

The computer will not permit any of the power management timeouts under the following conditions.

- The hard disk drive, CD-ROM, or floppy disk drive is active.
- The **Auto Insert Notification** option is enabled in the CD-ROM setting. This factory default setting for this option is **Disabled**.

The computer has three different power-savings modes to conserve battery power.

Standby Mode

Standby mode saves computer power by turning off the display. With Standby mode, you can resume your work instantly. The standby indicator lights up in the Standby mode.

Press the **Standby** hot key (**Fn+F4**) to enter Standby mode. The computer also enters Standby mode if the standby timeout is enabled and times out.

To resume from Standby mode, touch the touchpad. The computer also resumes from Standby if the **Resume on Modem Ring** or **Resume on Alarm** options are enabled in the System Setup and a modem ring or alarm occurs.

5V Suspend Mode

In 5V Suspend mode, the computer saves the current computer state into your system memory then shuts off power to most of the devices except the system memory. When the computer resumes from 5V Suspend mode, it restores the computer to the saved state.

With a fully charged battery, your computer can remain in 5V Suspend mode for days.

The standby indicator flashes to indicate the computer is in 5V Suspend mode.

Press the **5V Suspend** hot key **(Fn+F3)** or close the display cover to enter 5V Suspend mode. The computer also enters 5V Suspend mode if the **5V Suspend Timeout** parameter in Setup is enabled and times out.

To resume normal operation, press any key on the internal keyboard or press the power switch. You may see the screen blank a few

times while the computer restores all system states.

The computer also resumes from 5V Suspend if the **Resume on Modem Ring** or **Resume on Alarm** options are enabled in the System Setup and a modem ring or alarm occurs.

0V Suspend Mode

In 0V Suspend mode, the computer saves the current computer state onto your hard disk drive then shuts off. When you turn the computer on again, it returns to the saved state within about a minute.

Press the **0V Suspend** hot key **(Fn+F2)** to enter 0V Suspend mode. 0V Suspend mode also occurs if the **0V Suspend Timeout** parameter in Setup is enabled and times out or if the **Battery Low Suspend** option is enabled and your batter runs down to a critically low level.

To resume normal operation, press the power switch.

Note: Your computer does not enter 0V Suspend mode if the 0V Suspend file is missing or is the incorrect size.

2
Getting Started

This chapter supplements the Installation Poster to help you setup the computer for the first time. The chapter contains information to help you make decisions during the setup process, details of the Windows 95 setup program, and a description of the multimedia demo program.

General Cautions

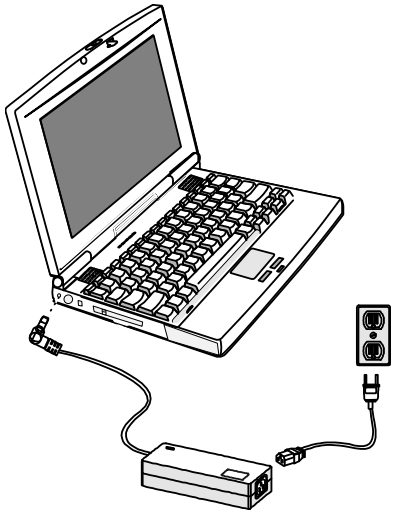
Read Safety Instructions

The Safety Instructions for your computer are provided in printed form. Read them carefully before turning on your computer. The Safety Instructions include the following information.

- Protection from physical hazards
- Avoidance of repetitive motion problems
- Comfort

Install with AC power connected

Always use the AC adapter during initial setup. When you receive your computer, the battery is largely discharged. If the computer loses power during initial setup, you can experience irreversible file damage.



Sufficient time

The Windows 95 setup takes up to 30 minutes. Because of the way Windows 95 structures its files, stopping in the middle of the setup process can cause irreversible file damage.

Access to AC power

Although the battery pack may have some charge, it is probably insufficient for the entire setup process. Loss of power during setup can cause irreversible file damage.

Certificate of Authenticity

You will need to enter the number from your Windows 95 Certificate of Authenticity during Windows 95 Setup. This certificate is part of the Windows 95 documentation kit. You need this number even if you are installing Windows for Workgroups.

Language

During initial setup you choose the following:

- Language for Windows displays
- Language for keyboard installed

Your language selection is final. You will not be able to change the language after installation is complete.

Printer type

As part of the Windows setup, you are prompted to choose a printer. Microsoft includes the files for many different printers. If you cannot find your printer in the list, you will need the floppy disk with the printer driver provided by the printer manufacturer. If you do not want to install a printer at this time, you can skip this part of the setup.

Which operating system to load

During initial setup you must choose which operating system to load, either Windows 95 or MS-DOS® and Windows for Workgroups (DOS+WFW). *This choice is final. You will not be able to change the operating system after installation is complete.*

For most users Windows 95 is the better choice.You might want to load DOS+WFW under the following circumstances.

- Your corporation or workgroup may have guidelines that require use of DOS+WFW. Check with your manager to determine the policy at your company.
- The software that controls your local area network may not be compatible with Windows 95. Check with your network administrator to determine whether Windows 95 is compatible.
- Although most software that is compatible with DOS+WFW is also compatible with Windows 95, it is possible that the existing software you are using will not run in Windows 95. If you have a critical software application that you intend to copy to your new computer, check with the manufacturer of the software to determine whether your application is compatible with Windows 95.

When to back up your system files

After setting up the operating system, the computer gives you the opportunity to create a set of system disks. You can make your disk copies immediately following setup or later. When you choose to create a set of system disks, you will need approximately 40 floppy disks for Windows 95 or 20 floppy disks for DOS+WFW.

Starting the computer for the first time

After gathering information, you are ready to run the setup program. The first time you turn on your computer, your system automatically runs the Windows 95 Setup. The following steps help you through the Windows 95 Setup.

Caution: Make selections carefully. This is your only chance to set up the operating system.

1. Turn on your computer.

   The program displays the **Welcome to Windows Setup** screen.

2. Click on **Next**.

   The program displays the **Regional Settings** screen.

3. Select the language and keyboard then click on **Next**.

   The program displays the **User Information** screen.

4. Type in your name and company then click on **Next**.

   The next three screens include license agreement information.

5. Click your agreement to the license conditions.

   The program prompts you for the number on your Certificate of Authenticity.

6. Enter the number from your Certificate of Authenticity then click on **Next**.

The program displays the **Windows Version** screen. How you proceed from here depends on which operating system you want to load.

Loading DOS+WFW

If you have decided to load DOS+WFW, follow these steps. If you have decided to load Windows 95, skip this section.

1. On the Windows Version screen, click on **Change**.

   A screen appears confirming that you want to load Windows for Workgroups instead of Windows 95.

2. Click to confirm that you want to load DOS+WFW.

3. Click on **OK**.

   The computer displays the **Configuring Your Computer** screen. The system software then configures your system, deleting all unrequired files. This may take several minutes. When the process is complete, you are prompted to restart your computer.

4. Click on **Finish** to restart your computer.

5. Click on **OK**.

Windows for Workgroups loads.

Loading Windows 95

If you have decided to load Windows 95, follow these steps.

1. On the **Windows Version** screen, click on **Next**. The computer displays the **Configuring Your Computer** screen.

2. Click on **Next**. The software configures your computer, deleting all unrequired files. This may take several minutes. When the process is complete, you are prompted to restart your computer.

3. Click on **OK** and your computer will reboot

and Windows 95 continues to setup your computer.

4. Follow the instructions on the screen to complete the setup.

Contents of the demo program

After completing setup, the computer runs a multimedia demo program. This program is entertaining and informative and includes the following information.

- The features of your computer and how to use them
- The **live**gear™ accessories available for your computer
- The software loaded on your computer
- How to get service and technical support
- More about Texas Instruments

Stopping the demo program

To stop the demo, press the left mouse button or tap the touchpad.

Running the demo again

To run the demo program, do one of the following.

In Windows 95

1. Double-click on the **About Your Extensa** icon on the desktop.Follow the directions to use the program.

In Windows for Workgroups

1. From the Program Manager double-click on the **Texas Instruments Multimedia group**.
2. Double-click on the **About Your Extensa** icon
3. Follow the directions to use the program.

Deleting the demo program

An uninstall program helps you delete all or part of the demo program to free up space on your hard disk drive. The way you get to the program to remove the demo program depends on your operating system.

Windows 95

1. Double-click on the **Uninstall Demo** icon on the desktop.
2. When the Uninstall window appears, you can choose a complete or partial uninstall. If you want to keep some parts of the demo, you can deselect those parts, then click on **OK**.

Windows for Workgroups

1. In the Program Manager double-click on the **Texas Instruments Multimedia group**.
2. Double-click on the **Uninstall Demo** icon.
3. When the Uninstall window appears, you can choose a complete or partial uninstall. If you want to keep some parts of the demo, you can deselect those parts, then click on **OK**.

List of Hot Keys

The following is a list of the Hot keys available on your Extensa Notebook Computer:

Hot Key	Function
Fn+F1	CMOS Setup
Fn+F2	0-Volt Suspend
Fn+F3	5 Volt Suspend
Fn+F4	Standby
Fn+F6	Scroll Lock
Fn+F7	Number Lock
Fn+F11	LCD Backlight On/Off
Fn+F12	Toggle LCD/CRT/Both
Fn+T	Touchpad Enable/Disable
Fn+right arrow	Contrast Up
Fn+left arrow	Contrast Down
Fn+Up arrow	Brightness Up
Fn+Down arrow	Brightness Down
Fn+PgUp	Increase Speaker Volume
Fn+PgDn	Decrease Speaker Volume
Fn+End	Speaker On/Off

To engage the Hot Keys you should press both the function key (**Fn**) and the additional keys at the same time.

External Keyboard Hot Keys

The following is a list of the Hot Keys available on the External Keyboard.

Hot Key	Function
Ctrl+Alt+F1	System Setup
Ctrl+Alt+F2	0V Suspend
Ctrl+Alt+F3	5V Suspend
Ctrl+Alt+F12	LCD/CRT Toggle
Ctrl+Alt+End	Speaker Toggle

Windows 95 Special Keys

Pressing the Windows Logo Key acts as the Start button. Pressing this key in combination with other keys performs special functions. The following are a few examples:

Hot Key	Function
Windows Logo Key+**Tab**	Activates next Taskbar button
Windows Logo Key+**E**	Explore my Computer
Windows Logo Key+**F**	Find Document
Windows Logo Key+**M**	Minimize All
Windows Logo Key+**R**	Display Run dialog box

Pressing the Application Key displays the context menu for an application. This is the same as clicking the secondary (right) mouse button.

Please refer to your Windows 95 manual for more information on these Windows 95-specific keys and their functions.

DOS Special Keys

The following is a list of the DOS special keys.

Hot Key	Function
Ctrl+Pause	Stops a command or application; primarily used to stop the screen from scrolling; pressing any other key resumes the execution of the command or application.
Shift+Prt Sc	Sends the contents of the screen to the printer port; prints only text characters unless you have run the **Graphics.com** utility to enable printing graphics.
Ctrl+Break	Terminates the current command or application.
Ctrl+P	Sets the computer to echo keystrokes to the printer; prints a line when you press **Enter**; continues until you press **Ctrl-P** again.
Ctrl+Alt+Del	Terminates all programs, reloads MS-DOS and executes the **Autoexec** file; also called the “warm start” or “warm boot”.

Configuring the Touchpad

You can personalize the control of the touchpad by configuring various settings using the Synaptics Touchpad utility. Configure the touchpad using the Mouse utility located in the Control Panel Window. Follow these steps to configure the Touchpad:

In Windows 95

1. Select the **Start** button, then select **Settings**.
2. Select **Control Panel** to display the Control Panel window.
3. Double-click on the **Synaptics Touchpad** icon.
4. Select the touchpad tab to customize the touchpad to your preference.
5. Click on **Enhancements** to bring up additional features and to get to the online help for the Synaptics Touchpad drivers.

In Windows for Workgroups

1. From the **Program Manager** double-click on the **Main** program group.
2. Double-click on the **Control Panel** icon.
3. Double-click on the **Synaptics Touchpad** icon.
4. Select the touchpad tab to customize the touchpad to your preference.
5. Click on **Help** for the Synaptics Touchpad drivers online documentation.

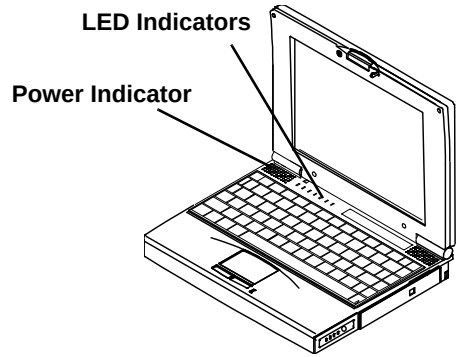
LED Icons

The following is an explanation of the Extensa LED Icons:

Icon	Description
	**Disk Media Indicator** Lights when the computer writes to or reads from the floppy disk drive, or reads from the CD-ROM drive.
	**HDD Indicator** Lights when the computer writes to or reads from the hard disk drive.
	**Power/Battery-low Indicator** Lights when the computer is on and there is power to the computer. Flashes when the battery power is low. Connect a powered AC adapter to the computer as soon as possible.
	**Caps Lock Indicator** Lights when the caps lock function is toggle **ON** using the Caps Lock Key.
	**Num Lock Indicator** Lights when the embedded numeric keypad is toggled **ON** using the Num Lock hot key (**Fn+F7**). Refer to Using the Internal Numeric Keypad section for further details.

LED Icons

Icon	Description
Z^z	**Suspend Mode Indicator** Lights when the computer is in Suspend mode. Flashes when the computer is in the 5V Suspend mode. The computer enters the 5V Suspend mode when you press the 5V Suspend hot key (**Fn+F3**), the **5 Volt Suspend Timeout** parameter in Setup is enabled and expires, or the display is closed.
	**Standby Mode Indicator** Lights when the computer is in the Standby mode. The computer enters the Standby mode if the Standby hot key (**Fn+F3**) is pressed or the **Standby Timeout** parameter in Setup is enabled and expires.



3
Installing Internal Accessories

This chapter describes how to install the accessories that reside inside the computer.

Preventing Damage from Static Electricity

If possible, use a grounding strap

Internal accessories, especially memory, are vulnerable to damage from static electricity while they are out of the computer. Although modular bay accessories and PC cards are hardened against static electricity, ideally, you should use a wrist grounding strap when handling memory modules or other electrostatically sensitive devices.

What to do if you don't have a grounding strap

If you do not have a grounding strap, you still need to protect your computer and accessories from static electricity. Follow these steps before opening the computer or handling internal accessories.

1. Sit down. Static electricity builds up as you walk around.
2. Touch a large, grounded appliance, for example an external monitor, to discharge static electricity.

It is now safe to open the computer or handle internal accessories.

Use the antistatic bag

If you received the internal accessory in an antistatic bag, the accessory is sensitive to static electricity. Always keep the accessory in its antistatic bag until you are ready to install the accessory.

Operate the computer with something in the modular bay

Operating the computer with the modular bay empty can give static electricity access to sensitive components inside the computer. Before operating the computer, make sure the modular bay contains a drive module, or a second battery.

Maximum memory

Your computer has one slot for memory modules. This slot can hold a 16-MB, 32-MB, or a 64-MB module. This gives your computer a maximum possible memory of 80 MB.

Tools required

- Small, Phillips-blade screwdriver
- Wrist grounding straps (*recommended*)

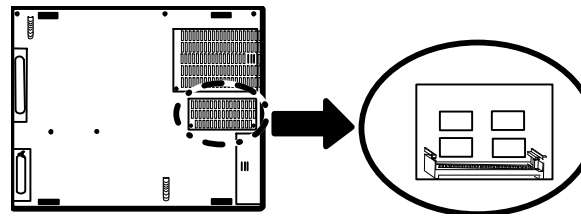
Preparing the computer

The installation procedure involves opening up the bottom of the computer. Before proceeding, follow these steps to protect yourself and your computer.

1. Turn off the computer.
2. Disconnect the AC adapter from the computer.
3. Remove all battery packs.
4. Ground yourself following the instructions on the previous page.

Locating the memory slot

The memory slot is located in the bottom of the notebook and has two small screws holding the door in place.



Installing Memory Modules

Removing the memory slot door

Follow these steps to remove the memory slot door.

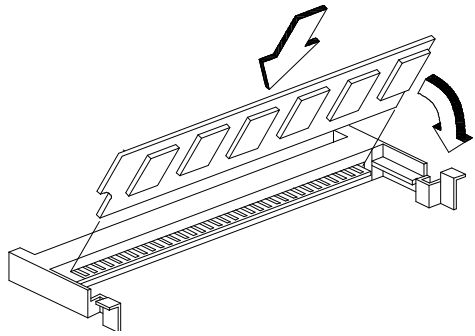
1. Using the small Phillips-blade screwdriver remove the two flat-head screws holding the door in place.
2. Place the door and screws off to the side. Do not lose them, you will be replacing them after you have inserted the memory module.

Inserting the memory module

The system board has one slot for the memory modules. You can insert a 16-MB, 32-MB, or a 64-MB memory module into this slot.

Follow these steps to insert a memory module.

1. Turn off the computer. Disconnect the AC adapter and remove the battery pack.
2. Turn the computer over to access the base.
3. Remove the screw(s) from the memory expansion door and remove the door.
4. Remove the memory module from its shipping container.
5. Align the connector edge of the memory module with the key in the connector.
6. Insert the edge of the memory module board into the connector matching the key on the memory board with the tab near the center of the memory connector. Use a rocking motion to fully insert the module.
7. Push downward on each side of the memory module until it snaps in place.



8. Replace the memory expansion door and reinstall the screws.
9. Reinstall the internal battery pack and connect the AC adapter.

Testing the installed memory

After installing the memory, follow these steps to make sure the memory is working properly.

1. Insert the battery pack.
2. Connect the AC adapter.
3. Turn on the computer.

As the computer completes its self test, you should see that the memory has increased correctly.

Running PHDISK

You must run the PHDISK utility after installing additional memory to increase the size of the save-to-disk (0V Suspend) file.

Note: If you are using an operating system other than Windows 95, Windows for Workgroups, or DOS, you may need to re-partition your hard disk drive to allow for the additional memory. Check with your system administrator.

In Windows 95

Follow these steps if your computer is running Windows 95.

1. From the Taskbar, select **Start** then **Shut Down**.
2. Select the **Restart the Computer in MS-DOS mode**.
3. Click on **Yes**.
4. Type **PHDISK /C /F** at the DOS prompt and press **Enter**.
5. The DOS screen appears and shows the save file name and size. Press any key to reset the system.The computer will reboot.

In Windows for Workgroups

Follow these steps if your computer is running MS-DOS and Windows for Workgroups.

1. Close all applications and exit Windows for Workgroups to MS-DOS.
2. At the command prompt (typically C:\) type **PHDISK /C /F** and press **Enter**.

Using the modular bay

By using the modular bay on your computer, you can modify your computer as your needs change. The modular bay can accept the following accessories.

Accessory	Added Functionality
Floppy disk drive module	Read from and save to standard 3.5-inch floppy disks
CD-ROM drive module	Read from audio CD, photo CD, or CD-ROM
Second battery pack	Doubles the time you can operate on battery power; allows hot-swapping of batteries

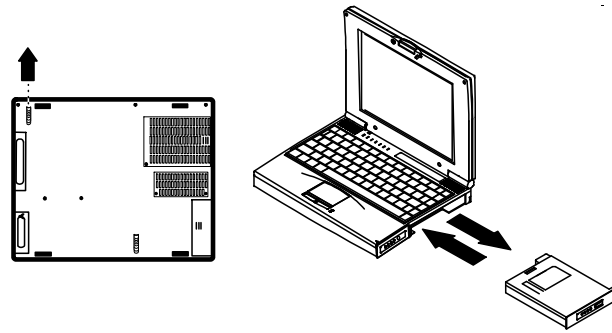
Installing Modular Bay Accessories

Changing modules

Your computer has a latch-controlled locking mechanism that prevents accidental removal of drives from the modular bay.

Follow these steps to change modules.

1. Turn off the computer.
2. Press the release latch on the bottom of the computer.
3. Pull out the accessory currently in the modular bay.



4. Remove the new accessory from its carrying container.
5. Slide the new accessory into the modular bay and push the accessory until it latches into place.
6. Place the original accessory into an optional carrying container, if available, and store in a safe place.
7. Turn on the computer.

Using PC cards

The computer can accept two PCMCIA Type I or II cards or one Type III card.

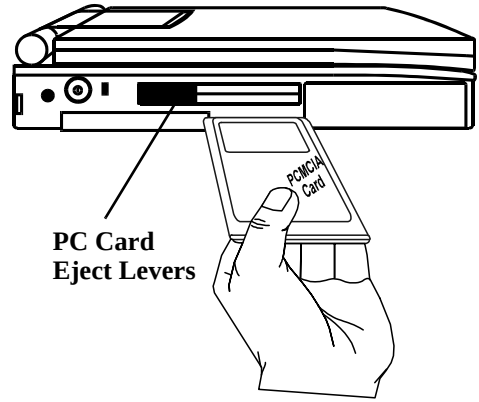
Note: The "Zoomed Video" feature supported by the MPEG card and other third party video cards will function correctly only if the card is installed in the upper slot (Slot "0" or "A"). The Speakerphone option is supported by either PC slot.

The following PC cards are available from Texas Instruments.

PC Card	Added Functionality
28.8 kB/second Speakerphone Modem	High-speed, data/fax; uses computer microphone and speaker for speakerphone
28.8 kB/second cellular modem	High-speed, data/fax; connects to cellular phone
Token Ring	Connects to a token-ring local area network
Ethernet® 10BaseT/ twisted pair	Connects to an Ethernet local area network
MPEG playback card	Full-motion video (must be inserted in upper PC-card slot)

In Windows 95

Windows 95 beeps to indicate it has detected a PC card when you insert one. If Windows 95 recognizes the PC card, it sets up the necessary drivers. If it does not recognize the PC card, you are prompted to load the driver for the card.



In Windows for Workgroups

Windows for Workgroups beeps to indicate it has detected the card. If a driver from the PC card has already been loaded, you can use the card immediately. If a driver has not been loaded, you must manually load the driver (Windows for Workgroups does not ask you to load a driver).

Ejecting PC Cards

Eject levers are located beside each PC card. Lift and push the eject lever to eject the PC card from the slot. To eject a Type III card, lift and push both eject levers. These levers fold out of the way when PC cards are inserted.

In Windows 95

Follow these steps to eject a PC card if your computer is running Windows 95.

1. Open the **Control Panel**.
2. Click on the **PC card** icon.
3. Select the card you want to eject.
4. Click on **Stop**.
5. When Windows 95 responds with the message "You may safely remove this device", click **OK**, flip out the eject lever and lift and push it to eject the PC card.

In Windows for Workgroups

Windows for Workgroups has no special procedure for ejecting PC cards. Simply flip out the eject lever and lift and push the lever to eject the PC card.

Removing/Installing Hard Disk Drives

Hard Disk Drive Guidelines

If you format the hard disk drive, all data on the hard disk drive will be erased.

Do not move the computer when the Disk Media indicator is on. Press the 0V Suspend hot key (**Fn+F2**) to suspend the computer or turn off the computer before moving it.

If the **Hard Disk Timeout** parameter in Setup is enabled and expires, the hard disk drive will spin down to save power.

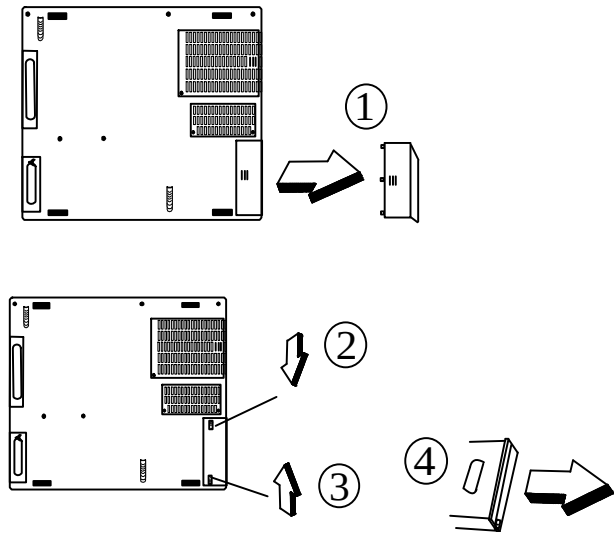
Caution: If the hard disk drive is damaged, you can lose data. To reduce the impact of data loss, back up data frequently.

Removing the Hard Disk Drive

You can remove your hard disk drive for safe keeping away from your computer or to swap drives with other 660 computers. The following steps show you how to remove and install your hard disk drive. You can also purchase upgrades to your current hard disk drive by contacting Texas Instruments.

Caution: Turn off the computer and disconnect all sources of power before removing or installing a hard disk drive.

1. Turn off the computer. Disconnect the AC adapter and remove the battery.
2. Disconnect all external devices such as a keyboard or monitor.
3. Turn the computer over and locate the hard disk drive bay door.



4. Remove this door and locate the locking latches on each side of the hard disk drive.
5. Slide the two latches toward the center and slide the hard disk drive out of the computer.

Inserting the Hard Disk Drive

Use the following instructions to insert a hard disk drive. Follow the instructions that came with your hard disk drive upgrade kit for inserting a new hard disk drive.

1. Insert the hard disk drive into the bay with the release latches facing down. Slide the hard disk drive in as far as it will slide.
2. Push the two latches out away from each other until they stop.
3. Attach the hard disk drive door.

Using the CD-ROM Drive

CD-ROM Drive Guidelines

Failure to observe the following precautions can damage both the CD-ROM drive and the data on the CD-ROM:

- Do not open the disc tray except when inserting or removing a disc.
- Never push down on an open disc tray.
- When handling discs: always handle a disc by its edges. Do not touch the surface of the disc.
- Never write on a disc or place a label on the disc surface.
- Always store a disc in its case to prevent dust contamination, scratches, bending, and other damages.
- To remove dust or fingerprints, use a clean, soft, and dry cloth. Never use benzene or anti-static fluids.
- Do not subject a disc to high temperature or direct sunlight.

Ejecting the Disc Tray

To eject the disc tray, press the eject button on the CD-ROM drive. You can eject the disc tray even when the computer is off.

With the disc tray open, you have access to the mode select switch.

In the ON position, an auto vibration circuit is actuated that automatically slows down the drive speed in the event that the vibration level becomes excessive.

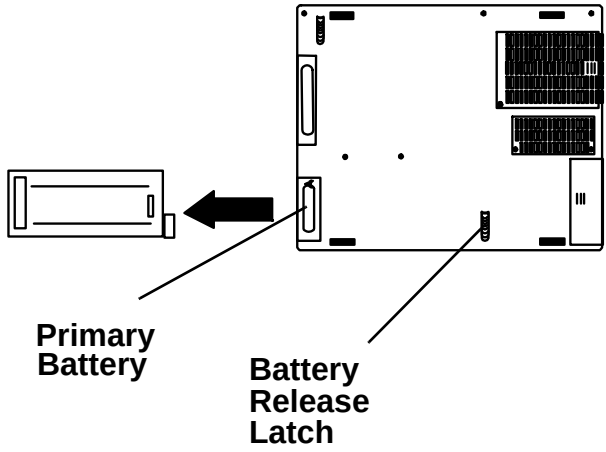
In the OFF position, the Auto Vibration Detection circuit is disabled.

The drive will automatically recognize the selected mode after loading.

Removing the Primary Battery

Use the following procedure to remove a battery from the notebook:

1. Turn off the computer. Disconnect the AC adapter.
2. Turn the computer over and locate the battery release switch
3. Slide the switch outward with one hand and remove the battery with the other hand.

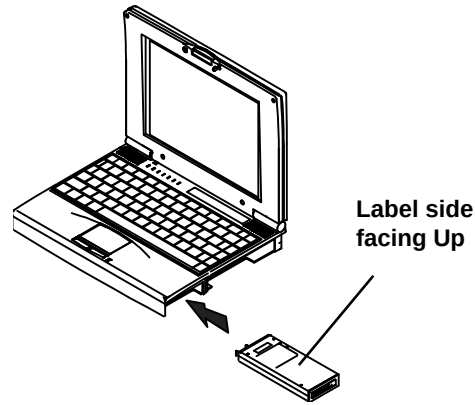


Installing the Primary Battery

Installing the Primary Battery

To install the battery, use the following procedure:

1. Turn off the computer.
2. Refer to the following figure and insert the battery into the primary battery slot (with labels facing upwards). Slide battery in until it clicks into place.
3. Reconnect the AC adapter (if needed).



4
Setting Up Your Desktop

Although your computer provides high performance wherever you are, you can make your computer more usable as a workstation by setting up your desktop properly. This chapter describes your options while preparing your computer to function like a permanent workstation.

Preparing To Install External Accessories

Why to add external accessories

There are several reasons to add external accessories to your computer.

Advantage	Example
Increased functionality	Printers, higher resolution monitors
Improved comfort and ergonomics	Keyboard, pointing devices
Convenience	Numeric keypad, external floppy disk drive

Environmental considerations

Under most circumstances an office or home environment falls within the specifications for your computer. The one exception is relative humidity. On cold winter days the relative humidity indoors often falls below 20%. During the winter you should protect your computer and external accessories from electrostatic discharge by spraying the carpet around your work area with antistatic spray or by installing an antistatic mat.

Available accessories

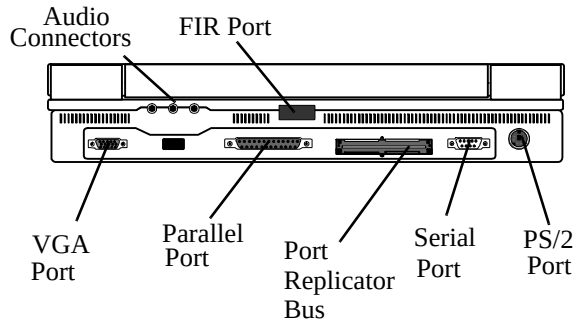
The following external accessories are available for your computer.

Accessory	What it adds
Keyboard	Comfort, ease of use, better ergonomics
Pointing device	Ease of use, better ergonomics
Numeric keypad	Convenience for entering numbers when external keyboard is not attached
Monitor	Larger viewing area, increased resolution, more comfortable viewing height
Printer	Hard copy
Sound	Headphone, more powerful speakers/ microphone
Kensington® lock	Theft deterrence
Port Replicator	Duplicates all ports on the computer and allows easy connect/disconnect to/from the desktop environment
External FDD	Allows use of CR-ROM and floppy by connecting floppy to Parallel port
Secondary Battery	Longer portable operation (secondary battery installs in media bay)
Auto Adapter	Mobility

Connector and Port Icons

This section provides a description of the connector and port icons on the rear, left, and bottom side panels of the notebook computer.

Connectors



Connector Icons

Icon	Connector
	External Monitor (15-pin) Connects to an external analog monitor.
	Line Out Connects to a line out device such as headphones or amplified speakers.
	Line In Connects to a line in device such as a synthesizer, stereo walkman or audio CD player.
	Microphone In Connects to an external microphone.

Icon	Connector
	**Parallel (25-pin)** Connects to a parallel printer or other device that uses a standard parallel interface; EPP/ECP compatible; also connects to the floppy disk drive when used externally.
	**FIR** Connects to any IrDA compliant device (such as another IrDA Computer or printer) without the use of a cable or cord. Transmits up to 4 Megabits per second.
	**Expansion (120-pin)** Connects to the Extensa Port Replicator.
	**PS/2** Connects to an external PS/2 keyboard, numeric keypad or mouse. If you are connecting a keyboard with a 5-pin DIN connector, you need to purchase a 6-pin mini-DIN adapter.
	**DC In** Connects the AC adapter output connector to this jack to recharge the battery and to supply power to the computer.
	**Kensington Lock** Use this port to lock on the Kensington Lock.

Connector and Port Icons

Icon	Connector
	**PC Card** The PC Card slots supports one Type III or two Type I/II PC Cards.
	**Advanced PCI Slot** Insert a Texas Instruments Advanced PCI card in this slot.
	**Memory Module** Insert the memory DIMM modules in this slot.

Supported monitors

Your computer has built-in support for the following resolutions and colors.

Resolution	No. of Colors
640 x 480	256, 64K, 16.8M
800 x 600	256, 64K
1024 x 768	256

If your monitor has special requirements, follow the directions provided by the manufacturer of your monitor to install the correct driver.

Operating the computer with an external monitor

By pressing the **Fn**+**F12** hot key, you can select whether you want the visual image displayed on the external monitor, on the local screen, or on both.

Note: External monitors can use many resolutions that are incompatible with the screen on the computer. When this is the case, you cannot view both the computer screen and the monitor at the same time.

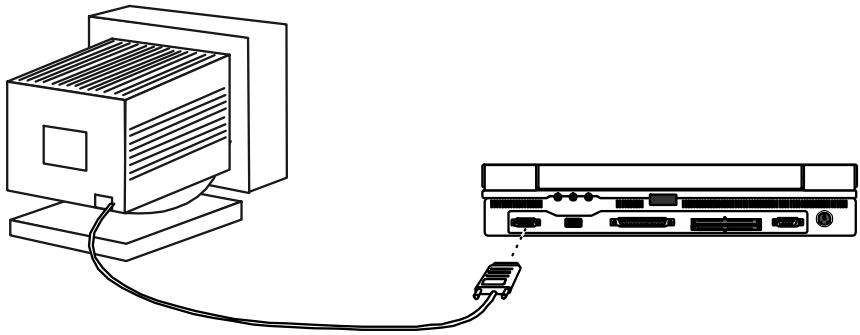
Connecting a Monitor

Required cables/ connectors

External monitors usually have a built-in cable. Monitor cables use a standard connector, so an adapter will probably not be required.

Connecting directly to the computer

Connect the cable to the video out port on the rear of the computer.



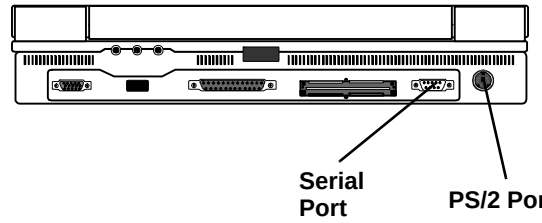
Required cables/ connectors

Most external keyboards and numeric keypads are equipped with a built-in cable with PS/2 connector. Most pointing devices have a PS/2 connector, although some may have a serial connector.

Connecting directly to the computer

The computer has only one PS/2 port.

- Attach the selected PS/2 device to the PS/2 port.
- If you attach an external PS/2-type keyboard to the computer and also wish to connect an external mouse, connect a serial mouse to the notebook's serial port.



Connecting a Printer

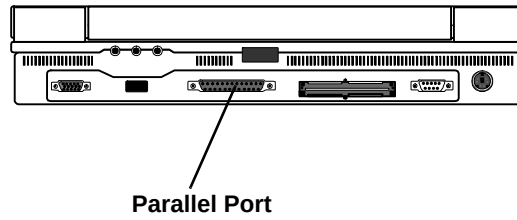
Required cables/ connectors

Most printers do not ship with a cable, so you may need to buy one.

Most printers connect through the parallel port on the computer using a standard, Centronics™-type parallel cable.

Connecting directly to the computer

If you are connecting a printer directly to your computer, connect it to the parallel port on the back of the computer.



Installing a printer driver

Your operating system supports a wide range of printers. If your printer is not supported by the operating system, follow the instructions provided with your printer to install a driver.

Types of sound equipment

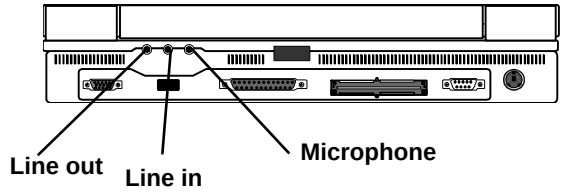
Your computer has stereo speakers, and a built-in microphone. By adding external sound equipment, you can improve the quality of sound production and increase convenience.

When purchasing external sound equipment, keep the following in mind.

- Speakers — connect to the audio-out port on the computer; they must have their own source of power
- Headphones — connect to the audio-out port on the computer
- Microphone — connects to the microphone port on the computer.

Connecting directly to the computer

The following illustration shows the audio connection on the computer.



Securing the Computer

Why to secure the computer

It's an unfortunate fact of modern life that something as portable and valuable as your computer has a chance of leaving your desk in the wrong hands. While the computer itself can be replaced, the data it contains may be irreplaceable. An investment of a few dollars and a few moments can prevent a disaster.

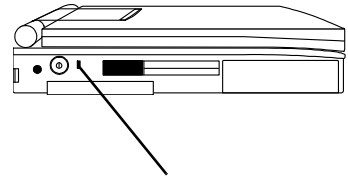
Required lock

You can secure your computer using a standard Kensington lock. If your computer store does not carry Kensington locks, you can buy one directly from Texas Instruments.

Connecting the Kensington lock

Follow these instructions to secure your computer using a Kensington lock.

1. Secure the looped end of the Kensington lock cable to a permanent fixture within reach of your computer.
2. Insert the Kensington lock into the slot on the left side of the computer.



3. Turn the key so that the Kensington lock is attached to the computer.
4. Remove the key from the lock.

5
Installing Software

Installing software on your computer is not much different than installing software on any computer. This chapter provides some guidance to help you select and install software.

Selecting Software for the Computer

Purchasing new software

When purchasing new software for your computer, check the carton and make sure the software is compatible with your computer in the following ways:

- *Operating system* — If the program is Windows-based, make sure it matches the operating system you have loaded on your computer. Some programs work only on Windows 95 or have functions that work only on Windows 95. Some programs work only on Windows for Workgroups.

  MS-DOS-based software should work regardless of the operating system you loaded on your computer.

- *Minimum requirements* — Make sure your computer has enough memory, screen resolution, and processor speed for the software.

Using existing software

If you already have some software you want to load on the computer, you might as well try loading it.

- If it works without any problems, you do not need to do anything else.
- If it fails to work, you may be able to order an upgrade to the package that does work at only a fraction of the cost of a full software package.

Loading software from floppy disks

Your computer has a standard 3.5-inch floppy disk drive. If you are loading software from floppy disks, insert Disk 1 into the floppy disk drive (Drive A) and follow the direction for installing the software.

Why you should use the CD-ROM drive module

There are at least four good reasons to load software from the CD-ROM drive module.

- Many software packages are available only on CD-ROM.
- Many others that are available on floppy disks have additional files and reference material that is only available on the CD-ROM versions.
- Software manufacturers frequently charge more, sometimes much more, for floppy disk versions.
- Loading software packages from floppy disks takes longer and is more cumbersome.

Loading software from CD-ROM

If you are loading software from a CD-ROM, insert the CD-ROM disc label-side up into the carrier for the CD-ROM drive module and close the CD-ROM drive (Drive D). Follow the directions for installing the software.

Special Considerations

Screen resolution

Some software packages require a specific screen resolution (usually VGA) for optimal performance. If you have selected a different resolution, you may need to adjust the screen resolution before running the software.

Sound settings

Some, mostly older software packages require you to provide information about your sound card. Here are the default settings for the sound board.

Audio Chip	ESS ES1878
I/O Port	220H
DMA	1
IRQ	5

6
Battery Operation

When you are using your computer away from your desktop, you are usually running on battery power. This chapter shows you how to maximize your battery life.

General Information about Batteries

Battery characteristics

The computer has two sizes of batteries.

- The primary battery fits in the battery slot.
- The secondary battery fits in the modular bay.

The batteries have the following characteristics.

	Primary	Primary	Secondary
Type	Ni-MH	Li-Ion	Li-Ion
Maximum charge current	1.3A	CC/1.3A, CV/12.3V	CC/1.3A, CV/12.3V
Average charge time	3 hours	4 hours	4 hours
Conditioning	Every 8 - 10 shallow charges	Not required	Not required

Battery safety

The following general guidelines, as well as local codes and ordinances, must be followed when handling and replacing all batteries:

- Dispose of a used battery promptly.
- Do not dispose of batteries in fire or water.
- Keep batteries away from children.
- Do not puncture the battery case or disassemble.
- If a battery is leaking, do not touch the electrolyte.
- Do not short-circuit the battery. Burns may result.
- Do not expose to temperatures greater than 60°C.

Disposing of used battery

Always dispose of used batteries in accordance with local regulations. Battery recycling is available in some areas. Contact your computer dealer or call Texas Instruments at 1-800-TI-TEXAS for information about battery recycling programs.

Ordering a spare battery

The computer ships with a single battery. To order a secondary battery for use in the modular bay or to order a spare primary battery, call your computer dealer or call Texas Instruments at 1-800-TI-TEXAS.

Charging Batteries

Determining current charge

The battery has lighted indicators that show, when the computer is on, the charge remaining in the battery. The following table shows how to interpret the indicators.

Indicators	Charge in Battery
None	Less then 20% (ORG)
1	20% to 40% (GRN)
2	40% to 60% (GRN)
3	60% to 80% (GRN)
4	80% to 100% (GRN)

Charging the battery in the computer

Follow these steps to charge the battery in the computer.

1. Insert the battery into the computer.
2. Plug in the AC adapter.
3. Connect the computer to the AC adapter.
4. Allow to charge 3 to 6 hours.

Note: If you have both batteries installed in the computer, it will take longer to charge the batteries, since the batteries charge in parallel.

Charging the battery in an external battery charger

An optional external battery charger allows you to charge a battery while you are using the computer. Use only the battery charger designed for your computer. Follow the directions that come with the external battery charger. To order an optional battery charger, contact your computer dealer or call Texas Instruments at 1-800-TI-TEXAS.

There are a number of actions you can take to reduce the rate at which your computer depletes the battery. By taking some or all of these actions, you can substantially increase the time you can operate on battery power before recharging the battery.

Reducing screen brightness

Although the screen controller uses new technology to increase brightness without increasing energy consumption, the screen is still the largest single consumer of the battery charge. Reducing the brightness to the lowest acceptable level increases battery life.

To reduce the brightness, press **Fn**-↓.

Caching the hard disk drive

By caching the hard disk drive, you can reduce the length of time the hard disk drive is rotating and using energy. Both Windows 95 and Windows for Workgroups use a disk-caching program by default. As long as you have not disabled these programs, you can take advantage of the battery savings.

Lowering inactivity timeouts

Inactivity timeouts turn off devices in the computer when you are not using them. Lowering the inactivity timeouts shortens the period of time the computer waits before turning off the device.

Inactivity timeouts are defined in the setup programs described in the *Getting Started* chapter.

Suspending operation while idle

Although the computer goes into Suspend mode automatically after a defined period of inactivity, you can reduce energy consumption even further by pressing either **Fn-F3** (**Suspend**) or **Fn-F4** (**Standby**) as soon as you no longer need the computer to be active.

- Pressing **Fn-F4** (**Standby**) turns off the screen.
- Pressing **Fn-F3** (**Suspend**) turns off the screen, stops the hard disk drive, and reduces energy usage to the lowest level possible without turning off the computer.

Press the **Shift** key to resume activity from Suspend or Standby mode.

Responding to a Low Battery Condition

When you are operating the computer on battery power and the charge remaining is down to between 10% and 20%, the battery-low indicator blinks and an audible alarm sounds. When this happens you should take the following actions to conserve battery power and reduce the possibility of data loss.

Saving files	Save all open files frequently while the computer is in a low-battery condition.
Turning off the alarm	Turn off the audible alarm by pressing **Fn-End** (**Mute**).
Reducing screen brightness	Reduce screen brightness by pressing **Fn**-↓.
Connecting the AC adapter	If you have access to AC power, connect the computer to the AC adapter. You can do this without turning off the computer.
Suspending operations	Press **Fn-F2** to put the computer into 0V Suspend until you connect to AC or install a charged battery.

Responding to a Low Battery Condition

Replacing the battery

If you have a spare, charged battery, you can do one of the following.

- Insert a secondary battery into the modular bay.
- If you already have a battery in the modular bay, you can replace the primary battery without turning off the computer.
- If you cannot insert the spare battery into the modular bay, suspend operations to disk by pressing **Fn-F2** and replace the battery. When you turn on the computer, the computer returns to the saved state.

Saving to Disk

When the battery power becomes critically low (less than 5% charge remaining), the computer saves the current state of the computer to disk and turns off. When you turn the computer on again, the computer restores the state that was saved to disk if this option is enabled in Setup.

7
Mobility

Although notebook computers can replace the desktop computer, the only reason to pay extra for a notebook computer is mobility. This chapter describes all the considerations to help you take advantage of your computer's mobility.

Overview of Mobility

Disconnecting from the desktop

No matter where you are taking your computer, you need to disconnect it from your desktop accessories.

Moving around

"Moving around" refers to using your computer at different locations within the same building, for example, taking it with you to meetings.

Taking the computer home

Since you are taking the computer to the same place every night, you can save yourself time and effort by setting up a home desktop.

Traveling with the computer

The farther you get away from home or office, the more important it is to bring the necessary equipment and supplies with you.

International traveling

Traveling internationally with your computer creates special concerns you need to address before you leave the country.

Disconnecting from a port replicator

If your computer is connected to a port replicator, follow these steps.

1. Save your work in progress.
2. Shut down the operating system.
3. Turn off the computer.
4. Disconnect the cord from the AC adapter.
5. Press the release levers of both sides of the port replicator to eject the computer.
6. Disconnect the Kensington lock if you are using one to secure the computer.

Disconnecting from external accessories

If your computer is connected directly to external accessories, follow these steps.

1. Save your work in progress.
2. Shut down the operating system.
3. Turn off the computer.
4. Disconnect the cord from the AC adapter.
5. Disconnect the keyboard, pointing device, printer, external monitor, and other external devices.
6. Disconnect the Kensington lock if you are using one to secure the computer.

Preparing the computer

You can carry the computer without turning off the power. Press **Fn-F3 (Suspend)** to blank the screen, stop the hard disk drive, and save the current state of the computer. While in Suspend mode, the computer uses only minimal battery charge.

After placing the computer in Suspend mode, close and latch the cover. You can now safely take the computer anywhere you go within the building.

To bring the computer out of Suspend mode, press the **Shift** key.

What to bring for short meetings

A fully charged battery runs the computer for 2-3 hours under most circumstances. If your meeting is shorter than that, you probably do not need to bring anything with you other than the computer.

What to bring for long meetings

If your meeting will last longer than 3 hours or if your battery is not fully charged, you may want to bring the AC adapter with you to plug in your computer in the meeting room.

If the meeting room does not have an electrical outlet, you can do the following:

- Double the battery life by inserting a fully charged battery in the modular bay.
- Reduce the drain on the battery by putting the computer in Standby or Suspend mode whenever you are not actively using the computer.

Preparing the computer

After disconnecting the computer from your desktop, follow these steps to prepare the computer for the trip home.

1. Remove all media from the drive in the modular bay. Failure to remove the media can damage the drive head.
2. Pack the computer in a protective case that can prevent the computer from sliding around and cushion it if it should fall.

Caution: Avoid packing items next to the top cover of the computer. Pressure against the top cover can damage the screen.

What to bring with you

Unless you already have some items at home, bring the following items with you.

- AC adapter
- Modular bay accessories that you might need
- The printed user's manual

Special considerations

Follow these guidelines to protect your computer while traveling to and from work.

- Minimize the effect of temperature changes by keeping the computer with you.
- If you need to stop for an extended period of time and cannot bring the computer with you, leave the computer in the trunk of the car to avoid exposing the computer to excessive heat.

- Changes in temperature and humidity can cause condensation. Allow the computer to return to room temperature, and inspect the screen for condensation before turning on the computer. If the temperature change is greater than 18°F (10°C), allow the computer to come to room temperature slowly. If possible, leave the computer for 30 minutes in an environment with a temperature between outside and room temperature.

Setting up a home office

If you frequently work on your computer at home, it may be worthwhile purchasing a second AC adapter for use at home. With a second AC adapter, you can avoid transporting the extra weight to and from home.

If you use your computer at home for significant periods of time, you might also want to add some of the external accessories described in Chapter 4. Which external accessory to add depends on your use of the computer.

- An external pointing device usually improves convenience and is almost essential if you are using any drawing packages.
- An external keyboard is more comfortable if you do a lot of typing.
- An external monitor is helpful if you will be viewing high-resolution graphics.

Preparing the computer

Prepare the computer as if you were taking it home.

Be sure that the battery in the computer is charged. Airport security frequently requires you to turn on your computer when bringing it to the gate area.

What to bring with you

Bring the following items with you.

- AC adapter
- Modular bay accessories that you might need
- Spare, fully-charged battery packs
- Additional printer driver files if you plan to use another printer
- The printed user's manual

Special considerations

In addition to the guidelines for taking the computer home, follow these guidelines to protect your computer while traveling.

- Always take the computer as carry-on luggage.
- Have the computer inspected by hand.
- Keep computer away from hand-held metal detectors, which can damage floppy disks.

Traveling Internationally with the Computer

Preparing the computer

Prepare the computer as you would normally prepare it for traveling.

What to bring with you

Bring the following items with you.

- AC adapter
- Power cords that are appropriate to the country to which you are traveling
- Modular bay accessories that you might need
- Spare, fully-charged battery packs
- Additional printer driver files if you plan to use another printer
- Proof of purchase, in case you need to show it to Customs officials
- The printed User's Manual

Special considerations

Follow the same special considerations as when traveling with the computer.

8
Care and Troubleshooting

Regularly take time to check your computer and clean the screen, keyboard, and case to ensure trouble-free computing. If you do experience a problem, use the troubleshooting guide in this chapter to help you correct it quickly.

Cleaning the Computer

Caution: Never use alcohol, benzene, thinner, or strong chemical agents that could damage the computer case. Never apply liquid directly to the computer, only to a clean cloth. Never spray cleaning fluid or any liquid directly onto the case or screen.

Cleaning the case

Keep the case of the computer free of dust. Apply a small amount of mild liquid cleaner to a dry, lint-free cloth, and wipe the case with the cloth.

Cleaning the screen

The surface of the screen is covered with a protective plastic film that may become smeared and accumulate dust during use. Avoid touching the screen with your fingers.

Clean the screen regularly by applying a small amount of diluted neutral detergent to a dry, lint-free cloth. Gently rub the surface of the screen with the cloth.

Errors at startup

Error	Corrective Action
Computer does not come on when power switch is in the on position.	• The battery may be low. Use the AC adapter and recharge the battery. • Ensure the AC adapter cable and power cord are securely connected. • Connect the AC adapter to another outlet.
Computer power is on but the screen is blank.	• Press **Fn-**↑ to increase screen brightness. • Press **Spacebar** to terminate Suspend mode. • The computer may be set to use the external monitor. Press **Fn-F12** to switch to the internal screen.
Save-to-disk file is too small	This message occurs when you add memory. Use the MS-DOS program PHDISK to increase the size of the save-to-disk file.
Save-to-disk file is missing	Use the MS-DOS program PHDISK to create a new save-to-disk file.

Keyboard

The special function keys do not work.	The application is overriding computer BIOS interrupts. Notify your application provider.

Troubleshooting Tips

Battery

Error	Corrective Action
Battery inserted, but LEDs not lit.	Press the **Battery Status** button.
Battery Status button pressed, but indicators not lit.	• Make sure the AC adapter is plugged into the computer and power outlet. • The battery may be completely discharged. Recharge overnight and recheck. If the problem persists, call service.

Accessories

Computer does not recognize the media device.	Check the configuration in Device Manager. Ensure the correct drivers are installed.
Computer does not recognize the accessory.	Check the configuration in Device Manager. Ensure the correct drivers are installed.
Error occurs when using new Ethernet PC card.	Check memory address to avoid conflicts with I/O Ports, IRQs, and/or memory ranges.

A
Where To Get Help

Technical assistance

Customer support for your computer is available 24 hours a day, 7 days a week. Please have your serial number ready when you call.

Phone (US / Canada)	(800) TI-TEXAS Option 3,2,2
Phone (International)	(817) 771-5856
Fax	(817) 774-6660
TDD	(800) 735-2989
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World Wide Web

http://www.ti.com/notebook/index.html

Feedback on manuals

To comment on the manuals for your computer, send email to **PUBT@msg.ti.com*

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