

WinBook FX Manual

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FEDERAL COMMUNICATIONS COMMISSION (FCC) STATEMENT

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. Their limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, 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 receiver.
- Connect the equipment into 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.

Notice:

- 1.) Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- 2.) Shielded interface cables and AC power cord, if any, must be used in order to comply with the emission limits.

CHAPTER 1: GETTING STARTED

Welcome to Mobile Computing

Congratulations on your purchase of the WinBook FX computer! This notebook PC features the most advance innovations in portable computing technology. It is reliable, convenient, and easy to use.

While providing all the functionality of a desktop PC, the WinBook FX's compact size and portability allow you to use your computer almost anywhere you go. You can work where there is no electrical outlet or during a power failure. You can use your WinBook FX in your car our outdoors. You can take notes while you are at a meeting or class.

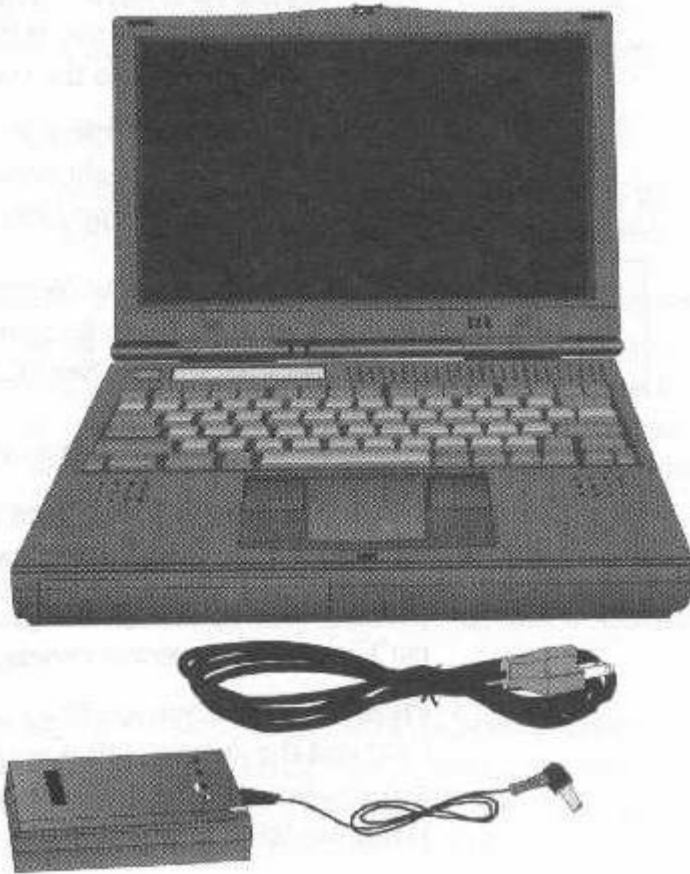
This section of the User's Manual will help you get started with your WinBook FX. It guides you through unpacking to using the WinBook FX for the first time.

Check the Inventory

When you unpack your WinBook FX, check that the items included are in good condition. Check the contents against the enclosed packing slip. If anything is missing or damaged, please contact Customer Service immediately. See the "Read-Me-First" card for telephone numbers for our service departments.

NOTE: Save the inner box and the plastic inserts that your WinBook FX was shipped in. These may be handy later if you ship or store your system.[FX 1-2]

NOTE: The figure below does not show the Floppy Disk Drive or CD-ROM modules. To inventory the entire contents, check the inventory checklist that came in the WinBook FX box.



WinBook FX

Hardware Inventory

WinBook FX
Primary Battery (installed)

CD-ROM Drive (installed)
Floppy Drive (uninstalled)
AC Power Adapter
Power Cord [FX 1-3]

Plugging in your WinBook FX

Refer to the front and side views of the WinBook FX in Chapter 2, *System Tour*.

Plugging in the WinBook FX

Connect the power cable extending from the AC adapter to the power jack on the left side of the WinBook FX. Make sure that the connector sheath locks firmly into the socket.

Plug the power cable into the adapter and then into a wall socket. The rightmost LED (light emitting diode) on the left side of your WinBook FX will light up indicating that the battery is being charged.

NOTE: The battery in your WinBook FX will have lost some charge since it left the factory, so

let it charge up when you use your WinBook FX for the first time. See "Charging the Battery" in this chapter.

Starting Up

Starting up the WinBook FX and Windows 95

Locate the display panel latch on the WinBook FX and slide it to the right. Gently lift the display panel open.

Check that the Battery Charge LED (the one on the right) is on. If it isn't, check your power connections.

Press the power button. The Power-On LED (the one on the left) will light and the system will power-up. The WinBook FX will now boot and display self-test and sign-on information on the display. Wait for Windows 95 to start.

As Windows 95 starts up for the first time, the system will ask for your name, company, and the product identification number. Your Windows 95 product ID number is on the front cover of the Windows 95 manual that came with your system.[FX 1-4]

Windows 95 will continue the setup routine and ask you about your location, accessories, etc.

Adjusting Display Brightness

Adjusting the Display Brightness

To increase display brightness, press 2 keys together: <Fn> + <4>

To decrease display brightness, press 2 keys together <Fn> + <3>

Using the Pointing Device

Using the Pointing Device:

The WinBook FX comes with a standard TrackPoint pointing device. A TouchPad pointing device is available as a factory-installed option.

TrackPoint

The TrackPoint consists of a pressure sensitive knob set in the middle of the keyboard. By pressing this knob, you send directional information to the pointing device driver. The system translates this into movement of the screen cursor. There are 2 switches on the palm rest beneath the space bar. These are equivalent to the left and right buttons on a standard mouse.

NOTE: Left-handers, you can change the button orientation if you wish. See the "Additional Pointing Devices" section in Chapter 5, *Expanding Your System*.

TouchPad

The TouchPad (a factory-installed option) senses finger movement across it and sends directional information to the system. You can use the TouchPad with the buttons, or you can tap on the

TouchPad for the same effect as the left mouse button.[FX 1-5]

TouchPad Click and Drag

The following figure shows how you can select and move an item (click and drag) with the TouchPad. Simply use your finger on the Touch Pad to point the cursor at an item on the screen. Select the item by tapping the TouchPad. Then move the item on the screen by moving your finger across the TouchPad.

TouchPad Software Driver

Although the TouchPad will work fine with the Windows 95 standard PS/2 mouse driver, you may want to use the enhanced driver included in the WinBook FX with Touch Pad option installed. This driver allows you to more accurately control the special actions of the TouchPad such as the tap and the double-taps. If the driver is already installed, you will see a TouchPad icon instead of the mouse icon in the Windows 95 Control Panel screen. If you see the mouse icon, you may want to install the Touch Pad driver from the floppy disks that came with the system. [FX 1-6]

Installing the TouchPad Software Driver

Insert the Floppy Drive into the Media Bay and power-up your WinBook FX. Once in Windows 95, insert the TouchPad driver diskette into the drive. Select **Start, Settings**, and then **Control Panel**. Next, select the **Add New Hardware** icon.

Click on the **Next** button, and then select the **No** button, followed by the **Next** button.

On the next screen, double click on the **Mouse** icon, then click on the **Have Disk** button.

Click on the **OK** button, then the **Next** button, and Windows 95 will begin installing the TouchPad driver. Click on the **Finish** tab to complete the installation.

You must reboot your system to enable the new driver.

Checking Your Preloaded Software

Once you have Windows 95 up, you may want to check out some of the applications that were shipped with your WinBook FX.

WARNING: Although a lot of floppy disks full of software came with your WinBook FX, most of this software is already installed for you. DO NOT install software until you see what is already on your system.

To start your applications, select **Start** then **Programs**. A Windows 95 applications list will appear. Following is information about some of the software already installed on your system.

CardWorks

This is a SystemSoft application that is really a set of tools for managing and accessing PCMCIA cards in the Windows 95 environment. This appears as a folder under **Start, Programs**. In this folder, you will find an application called CardWizard, as well as a Help file and a ReadMe file.

[FX 1-7]

Power Panel

This is a Phoenix Windows application, which allows you to control and customize the power setting in your WinBook FX. This appears as the **Power Panel** folder in **Start, Programs**. In this folder, you will find an application called Power Panel as well as Help and ReadMe files.

Arcade Player

This is an application from Mediamatics Corporation that allows you to playback MPEG files on your WinBook FX. These files can be from a CD-ROM, the Internet, or any other sources of standard MPEG-1 files.

Also provided by this application is the capability of playing CDV disks (Compact Disc Video) using the CD-ROM inside your WinBook FX. This will appear as the Mediametrics Software **MPEG** folder in the **Start, Programs** section. In this folder you will find an application called Arcade Media Player, as well as a How to Use Media Player file and an MPEG ReadMe file.

Audio Applications

This suite of Windows 95 audio tools by Creative Technologies provides a complete set of utilities for creating, editing and managing all types of sound within our WinBook FX. This will appear in the **Audio Applications** folder in the **Start, Programs** section. In the folder will be a suite of applications including: Audio Rack, CD Player, MIDI Player, Mixer Control, Wave Player and Wave Editor. In addition, there is a ReadMe file with details about these audio applications. For more information, refer to the *Audio User's Guide* that came with your system.

TranXit

This software, created by Puma Technologies, allows you to use the IR (infrared) capabilities of the WinBook FX to communicate with similarly equipped notebooks, desktop systems, and printers. [FX 1-8]It provides both a communication suite as well as a printer redirector. Besides IR, Puma TranXit also supports connections over the parallel port or serial port. This appears as the **TranXit2** folder in the **Start, Programs** section. In the folder will be an application called TranXit as well as an extensive Help program called TranXit Help. In addition there is a ReadMe file containing notes on this specific release, plus some utilities for upgrading and registering the software.

-

Battery

Charging the Battery

The battery in your WinBook FX will probably have lost charge since it left the factory. We recommend that you leave it plugged into the AC power adapter for at least 2 hours before relying on the battery.

To charge the battery, connect the AC adapter cord to the power jack on the left side of the WinBook FX. Then connect the power cable first to the AC adapter, and then into an electrical outlet. If power is reaching the adapter, the adapter's green LED will be illuminated.

The batteries will charge whether the system is on, off, or in a power savings mode: however, they will charge faster with the system off. It takes about 4 hours to fully charge the primary battery with the system off. The WinBook FX should run for at least 2 hours on a fully charged primary battery. Refer to "Monitoring Battery Charge" and the Battery Warnings table in Chapter 3 for indicators of low battery charge.

Checking the Battery Charge Level

The Popup Status window is the most precise method. By pressing 2 function keys <Fn> + <F2> simultaneously, you will bring up the window. This window will present the charge level on both primary (BAT1) and secondary (BAT2) battery modules as a percentage of power remaining.[FX 1-9]

The Battery Charge LED will go off as the battery reaches full charge.

Charge Level LED on the battery module will all go on. To illuminate the charge LEDs on the battery pack, push the little black button on the pack. The button works whether the battery is installed in the computer or not, so you can always check the pack (or extra packs) easily.

The Battery Charge icon in the LCD Status window (battery gauge) indicates full charge.

Turning Off the WinBook FX

Before turning off (powering down) your WinBook FX, select **Start** in the Windows 95, then **Shutdown**.

WARNING: Don't turn off or boot the WinBook FX while in Windows 95. Doing so can cause total loss of data on your hard drive.

If your WinBook FX encounters software problems and needs a power-on reset, it may be necessary to hold the power button down for a couple of seconds before the system responds by powering down.

—

Adding New Software

Adding new software to the WinBook FX is simple. Place the software installation floppy disk or CD-ROM into the corresponding drive module in the Media Bay. Select **Start**, then **Run** in Windows 95. Indicate the drive. The floppy is drive **A:** and the CD-ROM is drive **D:**. Enter

setup. For further information, check the instructions that came with your new software.

WARNING: Although a lot of software floppy disks came with your WinBook FX, most of this software is already installed for you. DO NOT install more software until you see what is already on your system.[FX 1-10]

Swapping the CD-ROM and Floppy Drives

The WinBook FX will arrive with the CD-ROM Drive installed in the Media Bay. To use floppy disks, you must remove the CD-ROM Drive and install the Floppy Disk Drive module. You can swap modules under the following conditions: The WinBook FX is OFF, not charging the battery, and unplugged, or is OFF and charging the battery.

Swapping Modules in the Media Bay

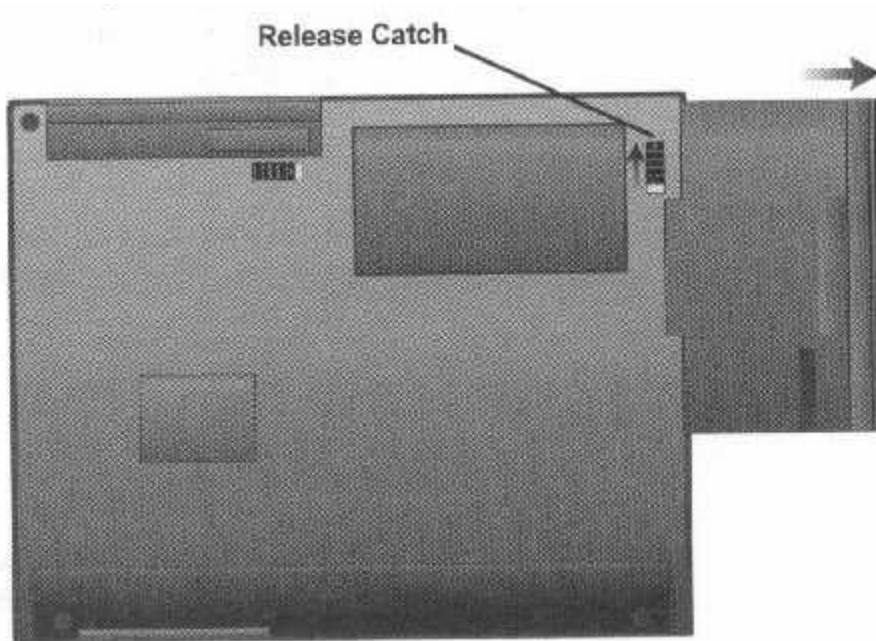
Make sure the power is OFF.

Place the WinBook FX on a flat surface, top down.

Locate the Media Bay release catch. Slide the release catch as shown in the illustration, and pull the module out of the bay.

Align the replacement module and slide it in gently until the release catch snaps into place.

Be sure to push the module all the way in so it is securely seated and flush with the edge of the computer.

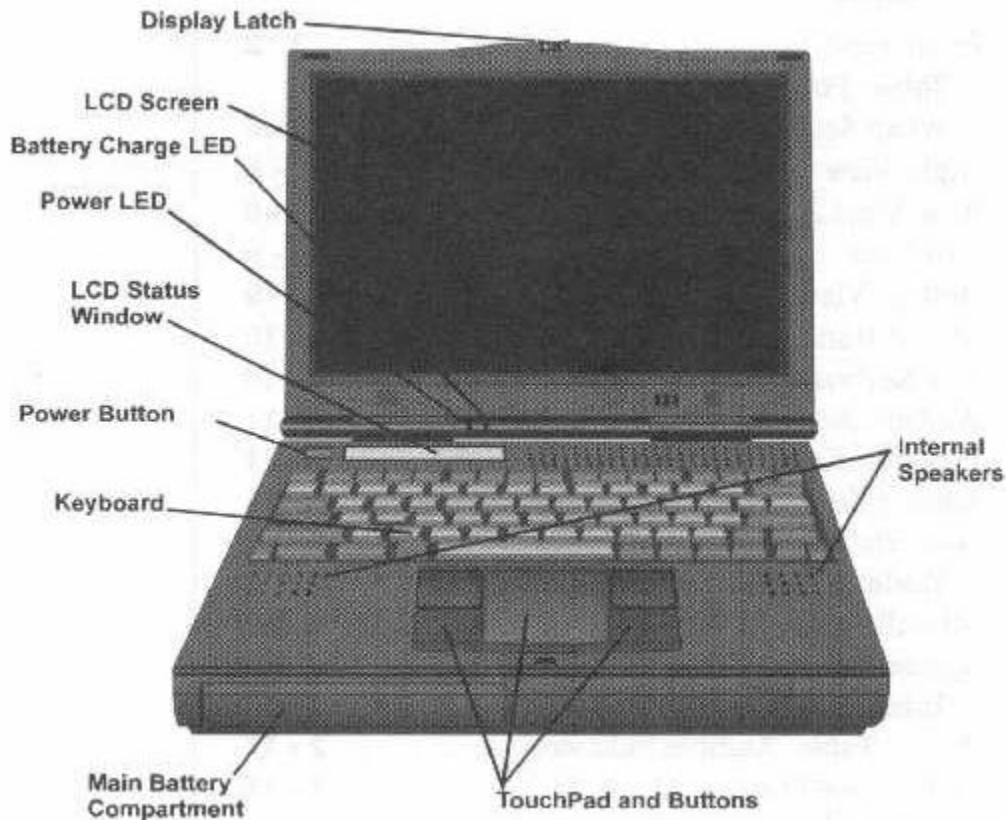


[FX 1-11]

[FX Chapter 2](#)

CHAPTER 2: SYSTEM TOUR

WinBook FX Front View



Display

Panel Latch

Holds the display panel in the down locked position.

LCD Screen

Presents information with a standard resolution of 800 X 600. Note that the video interface supports 1024 X 768 X 256 colors on an external monitor.

Battery Charge LED

Indicates the charging status of the WinBook FX.[FX 2-2]

This LED (Light Emitting Diode) shines when the battery is charging and goes out when the battery is fully charged. When the battery is low, this LED will flash. (See the Battery Warnings table in Chapter 3).

Power LED

Indicates when the WinBook FX is on, and flashes when the system is in Suspend mode. See Chapter 3, *Mobile Computing*, for information on the Suspend mode.

LCD Status Window

Displays icons that show the status of the battery, AC power, hard disk drive, floppy disk drive, the <Caps Lock> key, the <Scroll Lock> key, and the <Num Lock> key. Refer to the LCD Status Display section later in this chapter.

Power Button

Allows you to power-on the WinBook FX. To power the system off, press this button again.

NOTE: Under certain circumstances, the system may just stop when running a program and will no longer respond to the keyboard or pointing device. If you press the power button to turn off the system, it may not go off. Just press the button down again and hold it down for 2 seconds. The system will turn off and you can reboot it.

You can also use this switch to put your WinBook FX in Suspend to RAM mode. To do this you must first make a setting on the Power Savings menu of the Setup Program. See Chapter 9, *Using the Setup Program*, for details. When the power button is set to support Suspend, it functions as described in the table on the next page.[FX 2-3]

Power Button Function When Set for Suspend

System State	Action	Result
ON	Press the switch for just a moment.	Suspend
ON	Press the switch and hold it down for 2 seconds.	OFF
Suspend	Press the switch for just a moment.	Resume
Suspend	Press the switch and hold it down for 2 seconds.	OFF

See Chapter 9, *Using the Setup Program*, under the Power Savings menu for information on setting the power button for Suspend.

Keyboard

Allows standard QWERTY – Style input.

Main Battery

The battery module that is seated in a bay accessible at the front of the WinBook FX chassis.

TouchPad and Buttons

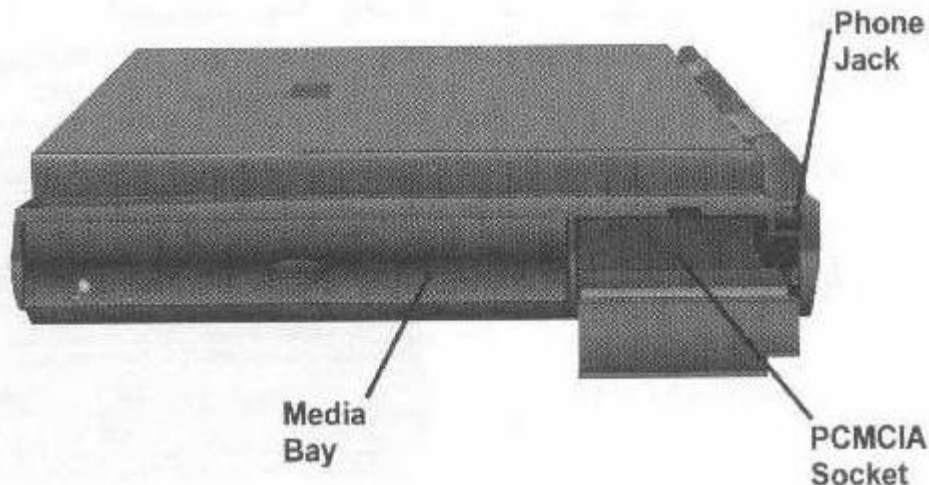
Allow pointing input to the WinBook FX. The 2 buttons correspond to the 2 buttons on a mouse. The TouchPad is used in the illustrations in this manual.

Internal Speakers

These are internal stereo speakers.

[FX 2-4]

The WinBook FX Right View



Media Bay

Holds the CD-ROM drive when the system is shipped. You can remove the CD-ROM drive and replace it with other modules: Floppy Disk Drive module, Secondary Battery module, and PCI module.

For information on swapping modules in the Media Bay, See Chapter 1, *Getting Started*. For information on secondary battery modules, see Chapter 3 on *Mobile Computing*. For information on PCI modules for the WinBook FX, call Sales at the number on the "Read-Me-First" card.

PCMCIA Socket

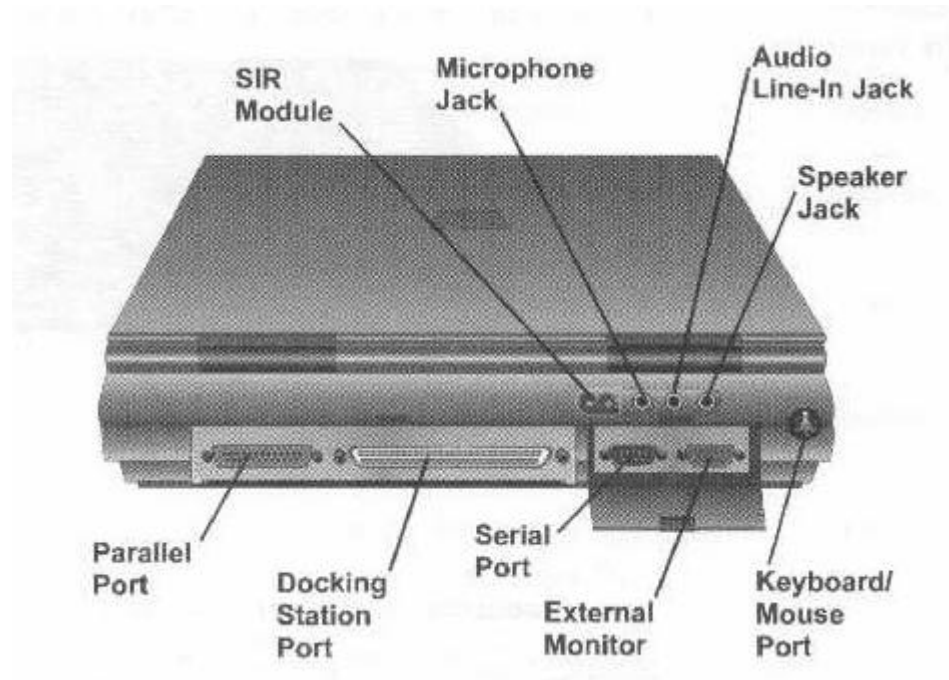
Pulling the door down accesses this area. The upper slot is socket 1 and the lower slot is socket 2. For information on using the PCMCIA socket, see Chapter 6, *Upgrading Your WinBook FX*.

Phone Jack

Connects a phone line to the internal modem. Refer to Chapter 4, *Communicating*, for information on phone jacks and adapters.

[FX 2-5]

WinBook FX Rear View



SIR Module

Serial Infrared module allows wireless, serial communication between the WinBook FX and other devices such as printers and computers. See Chapter 3, *Communicating*, for more information on this interface.

External Microphone Jack

Allows connection of a microphone to the WinBook FX. See Chapter 5, *Expanding Your System*, for more information.

Audio Line-In Jack

This connects the WinBook FX to external audio sources such as a tape player. See Chapter 5, *Expanding Your System*, for more information.[FX 2-6]

External Speaker Jack

This connects external audio speakers. Chapter 5, *Expanding Your System*, provides more information.

Parallel Port

This connects the WinBook FX to printers and other standard parallel port devices. See Chapter 5, *Expanding Your System*, for more information.

Docking Station Port

This allows the WinBook FX to be connected to mini or full sized docking stations.

Serial Port

Interfaces RS-232 serial devices such as mouse, serial printer, and graphics tablet to the WinBook FX. See Chapter 5, *Expanding Your System*, for more information.

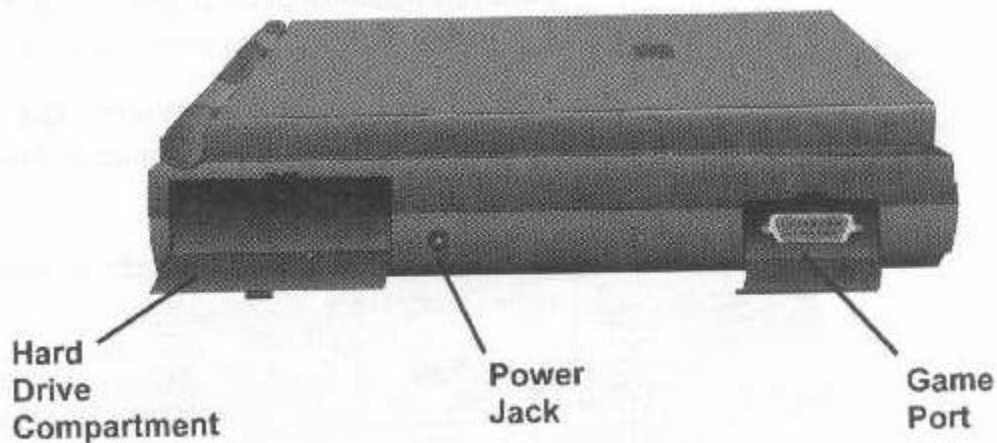
Video Port

Connects an external monitor (CRT) to the WinBook FX. See Chapter 5, *Expanding Your System*, for more information.

Keyboard & PS/2 Mouse Port

Automatically detects whether a standard PS/2 keyboard or external pointing device has been connected. See Chapter 5, *Expanding Your System*, for more information.[FX 2-7]

WinBook FX Left View



Hard Drive Compartment

Allows access to the hard disk drive. For information on hard disk drive upgrades, see Chapter 6, *Upgrading Your WinBook FX*.

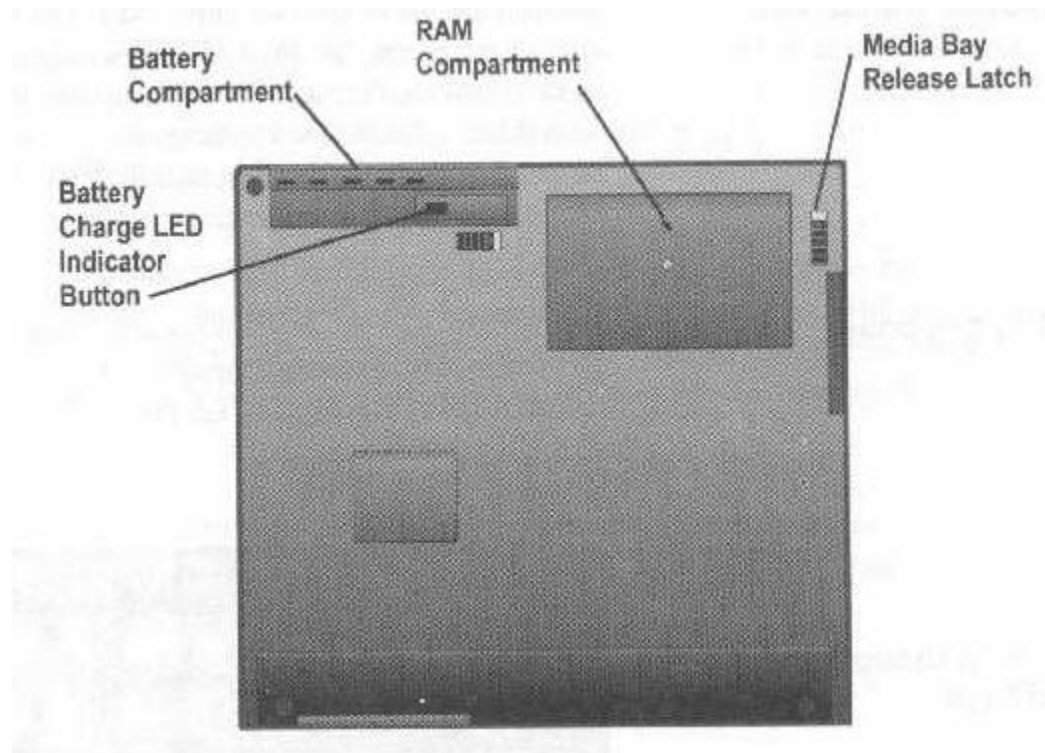
Power Jack

Connects power from the AC power adapter to the WinBook FX. For information on alternative power sources, see Chapter 3, *Mobile Computing*.

Game Port

Interfaces the WinBook FX to joysticks or other game pointing devices.[FX 2-8]

WinBook FX Bottom View



Battery Compartment

Holds the primary battery cartridge in place. When inserting the battery cartridge, make sure the release latch clicks shut. For information on batteries, see Chapter 3, *Mobile Computing*.

RAM Compartment

Houses the WinBook FX's RAM modules. See Chapter 6, *Upgrading Your WinBook FX*, for information on RAM upgrades.

Media Bay Release Latch

Holds the module in the bay in place. When inserting a module, make sure this latch clicks shut.[FX 2-9]

Mouse Buttons

The left and right buttons mounted in the palm rest are just like those on a standard mouse. In application programs, the left button is usually used to make selection. The function of the right button varies widely with different software applications. Some applications allow you to assign functions to the right button. Refer to your application's *User's Manual* for specific information on pointing device function buttons.

The Keyboard

The WinBook FX comes equipped with an 81 key, low profile keyboard that features an embedded numeric keypad and a full array of special function keys. The built-in keyboard provides all the functions of a full size 1010key keyboard.

Keyboard Layout



The keyboard consists of five main groups of keys: alphanumeric keys, function keys, editing keys, embedded numeric keypad, and miscellaneous keys.[FX 2-10]

Main Groups of Keys

- Alphanumeric
- Function
- Editing
- Embedded numeric keypad
- Miscellaneous

Alphanumeric Keys

Like the keys of a standard typewriter, alphanumeric keys consist of alphabetic keys (A-Z) and numeric keys (0-9), as well as other keys with printable symbols found on most typewriters. The alphanumeric keys are arranged in basically the same manner as typewriter keys (QWERTY keyboard).

Function Keys

The function keys are the smaller keys in the top row of the keyboard labeled F1 through F12. The functions they perform vary with respect to the operating system and software in use. Refer to the appropriate software *User's Guide* for more detailed information on function key differences.

Editing Keys

Insert
Delete
Cursor
Page

The functions of editing keys vary according to the software in use. Refer to the appropriate software *User's Guide* for definitions of the following editing keys.

Insert Key: Text editors and word processor programs generally use this key for inserting text and other data into a passage of text.

Delete Keys: This key is used by most programs to delete data.

Cursor Keys: These 4 keys (also called direction keys) are located at the lower right hand corner of the keyboard and are marked by 4 arrows pointing in 4 directions. In some programs, the arrows indicated the direction the cursor moves when the keys are pressed.

Page keys: Hold down the <Fn> key when using the page keys. Word processor programs commonly use these keys to move the cursor the width and length of an entire page.

[FX 2-11]

Numeric Keypad

The embedded numeric keypad consists of a set of 15 keys that make number intensive input more convenient. These keys have both numeric and cursor movement functions. Numeric assignments are found on the lower right of each key.

The functions of the keypad vary according to the <Num Lock> and <Shift> key combinations. To activate the keypad, refer to the following table for various key combinations and their results.

Numeric Keypad Combinations

Num Lock	Shift	Response
Enabled	Press	Cursor Control Functions
	Off	Numeric Functions
Disabled	Press	Shifted QWERTY Functions
	Off	Unshifted QWERTY Functions

Miscellaneous Keys

Most of the keys covered in this section have software specific functions. For more detailed

information on these keys, refer to appropriate software manuals.

Escape key: Although this key is software specific, it generally functions as an all – purpose "stop" key.[FX 2-12]

Tab key: In most text mode applications, this key functions like the Tab key on a standard typewriter.

Shift key: When pressed with an alphanumeric key, the <shift> key generates either upper case letters or the symbols at the top of the key. Note: There are 2 <shift> keys on the keyboard.

Caps Lock key: This key corresponds to the Shift Lock key on a typewriter, but it only affects letter keys-that is, number keys and function keys are not affected. To generate the symbols and punctuation marks above the number keys, the <Shift> key must be pressed. Pressing <Caps Lock> engages or disengages the keyboard's Caps Lock setting.

Using the <Shift> while striking a letter key with <Caps Lock> engaged would generate a low case letter instead of an upper case letter.

Control and Alternate keys: These keys are software specific and are usually used in conjunction with other keys.

Num Lock key: When <Num Lock> is enabled, this key activates the numeric function of the keypad.

Print Screen key: Refer to the *User's Guides* of the operating system and software you are using for details on how to use this key. In most programs, whatever is displayed on the screen is printed when this key is pressed.

Scroll Lock key: This is a software specific key. Refer to the appropriate software manual for a description of Scroll Lock. The <Scroll Lock> key affects cursor movement and text scrolling in some applications.[FX 2-13]

Pause/Break key: Press this key to halt the scrolling of information being displayed on the screen.

Backspace key: Pressing this key deletes text and symbols from right to left.

Enter or Return key: This key is used by most operating systems to enter commands typed at the command line prompt. It also functions like a typewriter carriage return when used with word processing programs and other applications.

Space Bar: The space bar functions like a typewriter space bar when used with operating systems, word processing programs, and other applications.

Left Windows key: This key will bring up the Start menu when pressed in Windows 95.

Right Windows key: The function of this key will vary depending on applications. Usually it will bring up a program menu option. Microsoft refers to this key as the program key.[FX 2-14]

Special Function Keys

- Display Controls
- Power Controls
- Audio Controls
- Miscellaneous Controls

The WinBook FX offers convenient keyboard controls. Some of these are permanent because turning the WinBook FX on an off does not affect them. Others are temporary and must be reset when the WinBook FX is powered back on. Special function keys fall into 4 categories: Display Controls, Power Controls, Audio Controls, and Miscellaneous Controls.

Expand Mode supports users of games and other applications operating under MS-DOS by expanding the 640 x 480 display to cover the entire 800 x 600 screen. You can toggle the expand mode on and off with the key combination shown in the table below.

Keyboard Controls

Key Control Area	Description	Key Combination
Display Controls	Decrease Contrast*	<Fn> + <1>
	Increase Contrast*	<Fn> + <2>
	Decrease Brightness	<Fn> + <3>
	Increase Brightness	<Fn> + <4>
	Display Off	<Fn> + < F1>
	Display Status Icon	<Fn> + <F2>
	Active Display	<Fn> + <F12>
	Reverse Video*	<Fn> + <F11>
	Expand/Non-Expand	<Fn> + <F10>

* These controls are not activated for TFT panels.

These Controls are not activated for TFT panels.[FX 2-15]

NOTE: Keys in combination must be pressed simultaneously.

Key Control Area	Description	Key Combination
Power Management	System Standby	<Fn> + <F3>
	System Suspend	<Fn> + <F4>
	Power Management Toggle	<Fn> + <F5>
Audio Controls	Mute	<Fn> + <F6>
	Decrease Volume	<Fn> + <F7>
	Increase Volume	<Fn> + <F8>
	Loudness	<Fn> + <F9>
	Decrease Bass Level	<Fn> + <Q>
	Increase Bass Level	<Fn> + <W>
	Decrease Treble Level	<Fn> + <E>
	Increase Treble Level	<Fn> + <R>
	Change Balance – Left	<Fn> + <T>
	Change Balance – Right	<Fn> + <Y>
Miscellaneous	Numeric Keypad	<Fn> + <INSERT>
	Windows Start	<Windows>*
	Windows Program	<Program> **

* This key is between the <Ctrl> and <Alt> keys on the left side of the keyboard. ** This key is to the right of the right <Alt> key.

* This key is between the <Ctrl> and <Alt> keys on the left side of the keyboard. ** This key is to the right of the right <Alt> key. [FX 2-16]

Beeps

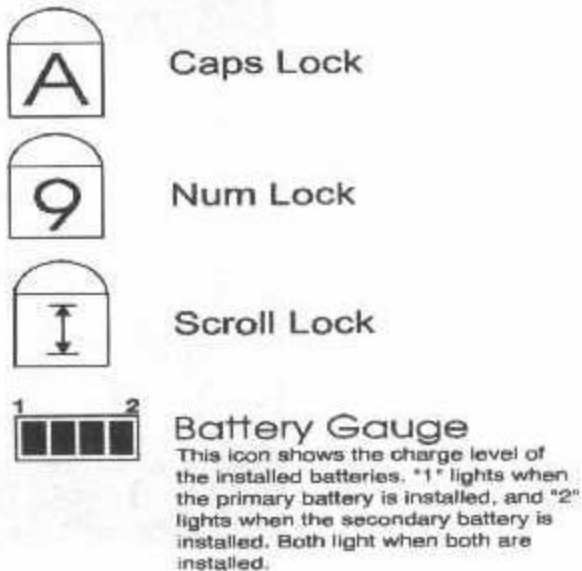
When you power-on your WinBook FX, you may hear a series of beeps (audible indicators) from the speakers indicating there is a problem. These are summarized in the table below.

Audible Indicators

Mode/Condition	Indicator
Normal	1 short beep
Configuration error	3 short beeps
Resume failure	1 long beep
Hardware error	A series of long and short beeps

LCD Status Display

The LCD status display to the left and above the keyboard presents icons summarizing current system status.

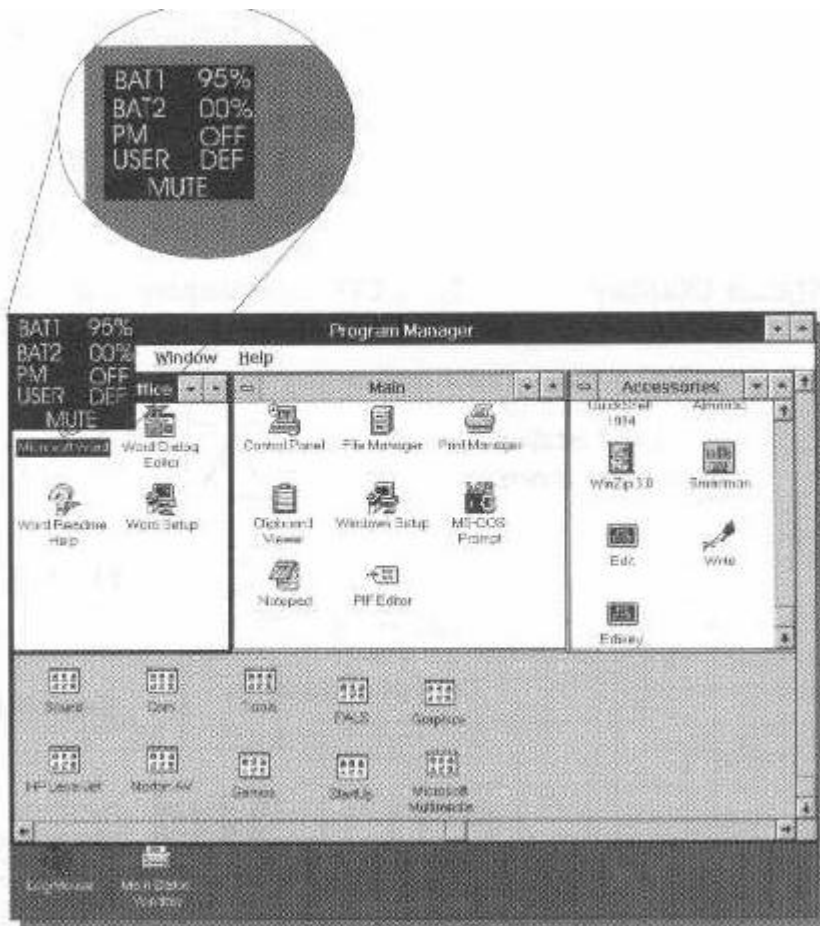


[FX 2-7]

Popup Status Window

The WinBook FX's Popup Status window allows you to monitor the battery charge for main and secondary batteries, and the status of power management. The Popup Status window will also show whether the Mute function (<Fn> + <F6>) is enabled.

The Popup Status window is keyboard activated by pressing the <Fn> + <F2> keys at the same time.



[FX 2-18]

Hardware Specifications for Installing Software

Some programs will request information about your system. Refer to the table below for information you're likely to need.

Hardware Feature	Specifications
Processor Type	Intel Pentium
Main Memory	16MB (standard), 24, 32, or 40MB
Video Controller	Cirrus CL-7543
PCMCIA Interface	Cirrus CL-6730
Mouse Interface	PS/2 compatible
Floppy Disk Drive	3.5 inch high density (1.44 MB formatted)
Display	800 x 600 TFT display resolution with up 64K colors
Audio	Creative Technologies AWE-16 (SoundBlaster Pro Compatible)

[FX 2-19]

Hardware Features

The WinBook FX is designed to provide you with a portable computer that is compact, convenient, and powerful. The WinBook FX's state-of-the-art features include:

Fast Intel Pentium processor at 100, 120, or 133MHz.

An SPGA socket allows for future CPU upgrades.

256K of synchronous cache.

16MB DRAM memory standard.

Memory expansion modules for upgrading system memory up to 40MB.

256KB Flash BIOS ROM that can be easily upgraded by diskette.

Built-in expansion slots accepting industry standard PCMCIA Type II and III cards.

Full-feature 81 key compact keyboard with Windows 95 keys.

Removable IDE hard drive module featuring an enhanced IDE interface.

Intel Mobile Triton chipset.

High performance PCI bus interface for video, hard disk, and PCMCIA.

PCI docking port connector.[FX 2-20]

A Media Bay that provides a space for one of the following modules:

CD-ROM module (included, installed at the factory)

Floppy Disk module (included, not installed)

Second Battery module (contact Sales to purchase)

PCI module (contact Sales to purchase)

TFT LCD display with standard resolution of 800 x 600 with up to 64K colors.
Two options LCD display sizes: 11.3" or 12.1".

Cirrus VGA graphics controller: Super VGA, high-speed 32-bit PCI local bus, simultaneous display, Windows (GUI) acceleration, and 1MB video memory.
Supports up to 2 optional removable battery cartridges (NiMH or Lithium).
28,800 bps Data/Fax Modem module.

Supports external VGA monitor, external keyboard, and external PS/2 pointing device.

Enhanced compatible bi-directional parallel port (ECP).

One 16550A compatible first in, first out (FIFO) serial port.

One 15-pin D connector game port.

Audio system including two built-in stereo speakers, one speaker-out port, one mic-in port, one line-in port, one internal microphone.[FX 2-21]

16-Bit PC Audio compatible with Roland MPU 401 UART and multimedia PC level 2 specifications. Compatible with Ad Lib and Creative Labs Sound Blaster 16.

IRDA compliant Serial Infrared (SIR) Port supports transfer speeds up to 115Kbps.

Software Features

Intelligent Power Management features built into the BIOS Setup Program supporting doze, peripheral power-down, system standby, memory suspend, and suspend to disk modes.

Support for Intel/Microsoft Advanced Power Management (APM 1.1) standard.

Available device drivers provide support for MS-DOS and Windows operating systems.

Hot key Power Management setup displays a Popup Status window of current settings and battery levels.

Plug and Play support for Window 95 PnP.

Sound Control for volume, treble, bass, balance, and loudness.

Bundled device drivers include: VGA, PCMCIA, pointing device, audio infrared, and suspend to disk utilities.

ROM Setup Program for setting the system configuration.

Security setup for protecting data.[FX 2-22]

Accessories

Carrying cases (contact Sales for information).

Second battery pack that can be exchanged with the Floppy Disk Drive module (NiMH or Lithium).

Memory upgrade modules available in two sizes: 8MB and 16MB modules.

Car adapter to plug the WinBook FX into a car cigarette lighter.

PCI mini-docking station.

PCI full-feature docking station.

I/O port replicator

PCMCIA cards including modems, Lan cards, SCSI cards.

Functions Summary

Your WinBook FX performs the following functions using programs built into the Windows 95 operating system, or with software applications you can purchase from various vendors.

Included with Windows 95 Operating System

Word Processor

Paperless fax machine

Telephone speed dialer

CD Player

Draw Diagrams

Calculator

Connect to and update your desktop computer

Connect to Bulletin Board Services[FX 2-23]

Additional Application Programs for Windows 95 (fees may apply)

Database

Spreadsheet

Desktop publishing

E-mail services

Internet connection

Dictionary

Thesaurus

Encyclopedia

Road maps and atlas

Hardware Options

Ethernet PCMCIA LAN card

SCSI PCMCIA Adapter card

V.34 Modem

The WinBook FX's large hard disk drive and memory capacity will support new software applications, as they become available. You can also install additional hardware to enhance the operation of your WinBook FX. Refer to Chapter 6, *Upgrading Your WinBook FX*.

[FX 2-24]

[FX Chapter 3](#)

CHAPTER 3: MOBILE COMPUTING

Road Hazards

Avoid Rough Handling

Never check your WinBook FX in as luggage when you are traveling. Even the toughest carrying case won't protect it from rough handling. Although it is tempting to pack your WinBook FX in your luggage, it is apt to result in a broken system. The best solution is to carry the WinBook FX with you.

Avoid High and Low Temperatures

While you travel in the summer, do not leave your WinBook FX in a car trunk on a hot day. Trunk temperatures can reach 140°F, beyond the safe range for the WinBook FX. Also be careful when shipping or storing your WinBook FX so that it is not exposed to high or low temperatures which can damage electronic components. The safe operating range for the WinBook FX is 50° to 95°F (10° to 35°C). Chapter 7, *Maintaining Your WinBook FX*, and Appendix A provide more information about environmental considerations.

Protect Your Modem

Be aware that phone systems can be either analog or digital. Your modem is only sure to work on an analog phone system. Most residential telephones are analog.

Digital phone systems typically involve building or company-specific PBX (Private Branch Exchange) systems. Some PBX systems can use voltages that will damage the analog modem in the WinBook FX. Before you hook up your modem in a hotel or at a new company, check with the facilities manager. To find an analog line, you might look for a fax machine.

NOTE: There are products available that will support analog modems on digital PBXs.[FX 3-2]

Ground Travel

The WinBook FX does not have a handle or a rough surface for a sure grip, so use a carrying case when traveling with your WinBook FX. At times, you may want to put both the case and the WinBook FX within a larger briefcase to conceal the system to prevent theft.

WARNING: If there is a sudden mechanical shock to the WinBook FX while the hard drive is in operation, you may damage the head disk assembly within the drive. Therefore, be particularly careful to backup your work while operating in a mobile environment. If the WinBook FX does get dropped or jolted, refer to the "Maintaining Your System" section of the Windows 95 Manual for information on using ScanDisk to check that your hard drive is OK.

WARNING: If you are using a power adapter in a car, be sure to disconnect the power cable from the WinBook FX before starting up the car. There are often high voltage surges in car electrical systems as the engine starts.[FX 3-3]

Air Travel

Never pack your WinBook FX in your luggage or check it in as luggage at the airport. It is best to carry the WinBook FX with you to prevent damage to the system.

WARNING: DO NOT take your WinBook FX through airport metal detectors.

Airport security clearance areas often have large doorways that detect metal when you pass through them. If you are asked to pass through this type of doorway, do not carry your WinBook FX with you. Ask the security guard to check it in a different way. Metal detectors can be a threat to your data.

Pay attention to instruction from flight crews on operating electronic devices on the airplane. You may be asked to not operate the system while the airplane is taking off from and approaching airports.

Foreign Travel

The WinBook FX power adapter is compatible with electrical outlet voltage ranging from 100 VAC to 240 VAC (volts, alternating current) and is compatible with 50 or 60 Hz power.

Some foreign countries use a different type of electrical outlet. You can contact the Consulate Office for the country to which you are traveling, your travel agent, or a local electrical supply store for information about foreign power input cables. Appliance power adapters are frequently sold at airports and hotels in foreign countries.[FX 3-4]

Battery

Battery Types

There are 2 types of additional batteries that you can purchase for your WinBook FX.

Lithium batteries are lighter and have greater capacity, but are more expensive than NiMH batteries.

Nickel Metal Hydride batteries are heavier and have less capacity, but are less expensive than Lithium ion batteries.

Extra Batteries

For extended mobile use, extra primary and secondary battery modules can be very useful. Contact our Sales Department to purchase additional batteries.

DANGER: To prevent injury or burns, do not allow metal objects to contact or short circuit the battery terminals.

Monitoring Battery Charge

The WinBook FX offers a number of ways to monitor the battery charge level. The Popup Status window is the most accurate.

To bring up the Popup Status window, press the <Fn> + <F2> keys at the same time. This

window will present the charge level on both the primary (BAT1) and the secondary (BAT2) battery modules as a percentage. For example, 95% means that the battery has expended only 5% of its charge.

The table on the next page summarizes battery charge LED and LCD battery icon warning indicators of low battery power.[FX 3-5]

Battery Warnings

Battery Warnings are summarized in the following table:

Battery Warnings	State Description/ Warning Indicator
Warning	State: 10 minutes of battery power left Warning: Battery Charge LED will flash once per second. LCD battery icon will flash once per second. Speaker will beep once as system enters this state.
Low	State: 5 minutes of battery power left Warning: Battery Charge LED will flash twice per second. LCD battery icon will flash twice per second. Speaker will beep once as the system enters this state.

Changing the Primary Battery

WARNING: Never remove the battery when the system is ON. This may damage your WinBook FX. Make sure the system is OFF or in Suspend mode.

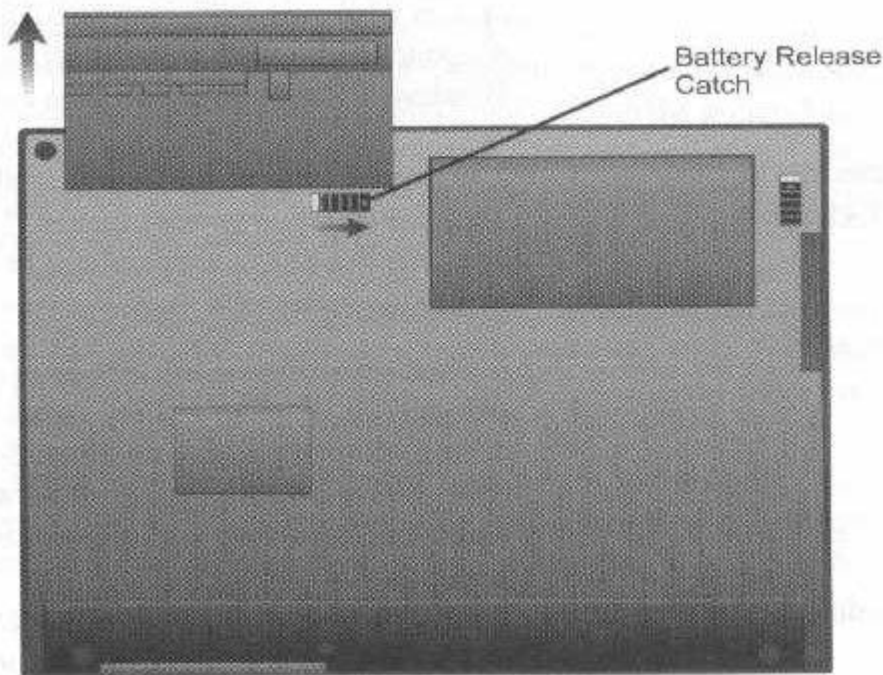
Turn the WinBook FX OFF or put it in Suspend mode.

Place the WinBook FX on a flat surface with the underside facing up.

Locate the battery release catch.

Slide the release catch to the right, then pull the battery out of the battery compartment.

Align the fresh battery module, then slide it in. Make sure that the release catch is in place and that the edge of the battery is flush with the front of your WinBook FX.[FX 3-6]



Changing the Secondary Battery

To remove and replace a secondary battery from the Media Bay, turn off the WinBook FX or put it in Suspend mode. Never remove the battery when the system is on. Then follow the instructions for changing Media Bay modules presented in Chapter 1, *Getting Started*.

Getting the Most from the Batteries

You can maintain your battery's charge capacity by periodically letting it fully discharge, and then fully recharging it. It is recommended that you do a full discharge/full charge cycle ("cycling" the battery) once every 32 times that you plug the WinBook FX into an AC power source to recharge the battery. (See "Cycling the Battery" under Fast fixes in Chapter 10 for more details.)[FX 3-7]

Hot Swapping Batteries

There is a "bridge battery" in your WinBook FX that will support the system while you swap batteries. This allows you to put the system in Suspend mode and to swap batteries without having to shut down Windows 95 and power down the computer.

Temperature and Batteries

The batteries will not operate as well under extremes of temperature. They are specified to work from 41° to 95°F (5° to 35° C). Running your WinBook FX in temperatures below 41°F or above 95°F will reduce the battery life.

If a battery module is left in the sun and gets quite hot, it is apt to fail to charge. This is due to a safety switch in the battery module that is aimed at preventing over-charging. Once the battery

cools down, you will be able to charge it. In extremely cold weather, you may find that it takes longer for the battery to charge or that it does not fully charge.

Recycling Batteries

Battery disposal poses an environmental hazard. When a battery module no longer holds enough charge for practical use, send it back to us. Call Customer Service at the phone number listed on the "ReadMe-First" card for details. They will provide a Return Materials Authorization (RMA) number and a location to ship your old battery to.[FX 3-8]

POWER

Power Management

For information on the Setup Program, refer to Chapter 9. Appendix B provides summaries of Setup Program settings.

To support mobile use for longer periods of time, you will want to consider the advanced Power Management features that are built into your WinBook FX. Although the power management settings can be selected by using the <Fn> + <F5> keys and monitored in the Popup Status window, the settings will not be permanent. This means that each time you turn on your system, you will have to manually change the Power Management settings from the default settings.

A better approach is to go into the Setup Program Power Management screen and select the settings that match your work style. For information on the Setup Program, refer to Chapter 9, *Using the Setup Program*.

Using the Power Button

The function of the Power Button can be changed for use as a Suspend Button instead. (See the description of the Power Button in Chapter 2, *System Tour*, for details.) This setting requires you to go to the Power Management menu in the Setup Program. Refer to Chapter 9.

Power Savings Settings

To set configurations for power conservation, the WinBook FX Setup Program allows you to choose from 4 options to customize your power savings settings. The options are:

- Maximum Battery Life
- Maximum Performance
- Media
- Customize

This choice can be made on the Power Management menu in the Setup Program. Your WinBook FX comes from the factory defaulting to Maximum Battery Life when Power Management is enabled.[FX 3-9]

Power Savings Settings

Setting Timeouts

If you choose the Customize option for Power Savings, you can set the timeouts for Standby, video, and the hard disk. Timeout means that a subsystem or device that hasn't been accessed within a specific time period will be turned off to conserve power. For example, during standby and video timeouts, the system will turn off the display and power down the CPU and other inactive power hungry devices. We have provided timeout settings for the most power hungry devices: CPU, video display, and hard drive. Turning these off when not in use is the best way to extend battery life.

Auto Dim

In addition, the display backlight consumes a good deal of power when it is on. We have provided a feature called Auto Dim which will automatically dim the backlight when you are running on the battery. You can disable this feature in the Setup Program, but remember that the backlight consumes a lot of power.

Standby Mode

When Standby Timeout is enabled in the Setup Program, the WinBook FX will automatically enter Standby mode when the specified timeout period elapses. It can go into Standby from either full-power mode, or with a device such as the hard disk drive that is already timed-out and powered-down.

You can manually put the WinBook FX in Standby mode by pressing the <Fn> + <F3> keys at the same time.

Any activity, such as pressing a key, will return the system from Standby to full-power mode.[FX 3-10]

The WinBook FX does the following as it goes into Standby mode:

- Stops the clock to the CPU
- Turns off the display screen
- Spins down the hard disk drive
- Powers down I/O controllers including PCMCIA cards
- Puts the SVGA controller in Standby mode

Suspend Mode

You can put the WinBook FX into Suspend mode manually by pressing the <Fn> + <F4> keys at the same time. When you enable Suspend on the Power Management menu of the Setup Program, the system will enter Suspend after the specified timeout elapses. You can swap the second battery in and out of the system while the WinBook FX is in Suspend mode.

Suspend to RAM

In Suspend to RAM mode, the system turns off display screen, hard disk drive, and all peripheral systems, but the current contents of the main and video memories remain. This mode consumes more power than Suspend to Disk, but it can be entered into

More quickly, and can resume in response to a modem ring or alarm.

Suspend to Disk

In Suspend to Disk mode, the WinBook FX copies the contents of the main and video memories to disk, and virtually turns itself off. This mode saves the most power, but it is slower to suspend and resume.

NOTE: If you partition or reformat your hard disk drive, you must create a dedicated disk partition using the Phoenix PHDISK utility that came on the WinBook FX Support Disk. We ship the system with a Suspend [FX 3-11] to Disk partition already installed, so unless you are adding memory yourself, you should not have to use this utility. The PHDISK Utility will automatically determine the size of the partition required for your system and then create it. **Be sure to backup your system before using this utility.**

[FX 3-12]

[FX Chapter 4](#)

CHAPTER 4: COMMUNICATING

USING THE MODEM

Your WinBook FX's modem allows you to communicate with other people and services around the world using your telephone line. The modem supplied with your WinBook FX is a 28.8K bps data and 14.4 K bps fax modem. For a list of protocols, see the documentation that came with your modem.

Definitions

Off-line: The system is not connected to an external information source.

On-line: The system is connected to an external information source.

NOTE: Windows Help (also referred to as on-line help) and documentation is available in the system regardless of connections.

This chapter describes some of the major uses for the modem. You can enable other uses for the modem with software you can obtain from your local software dealer. In the last part of this chapter, we mention other modems you might acquire to support wireless communications, and we discuss ways to use the Serial Infrared Communication Port.

With the software that came with your WinBook FX, you can use the following features:

- Speed dialer
- Update or exchange files with another computer
- Send and receive E-mail messages
- Send and receive Fax messages
- Use popular on-line Services
- Communicate over the Internet
- Browse the World Wide Web
- Contact and use Bulletin Board Services

Phone Jack

When you use the modem to communicate, you must plug your modem into a phone line. The modem uses a standard RJ11 phone jack just like a regular telephone, so it's easy to connect to your telephone line.[FX 4-2]

WARNING:

Be aware that phone systems can be either analog or digital. Most residential telephone lines are analog. **Your modem is only sure to work on an analog phone system.**

Digital phone systems typically involve building or company-specific PBX (Private Branch eXchange) systems. **Some PBX systems can use voltages that will damage the analog modem in the WinBook FX.** Before you hook up your modem in a hotel or at a new office, check with

the telephone system manager. To find an analog line, you might look for a fax machine.

NOTE: There are products available that will support analog modems on digital PBX's.

CHECKING THE MODEM

The WinBook FX comes in two configurations:

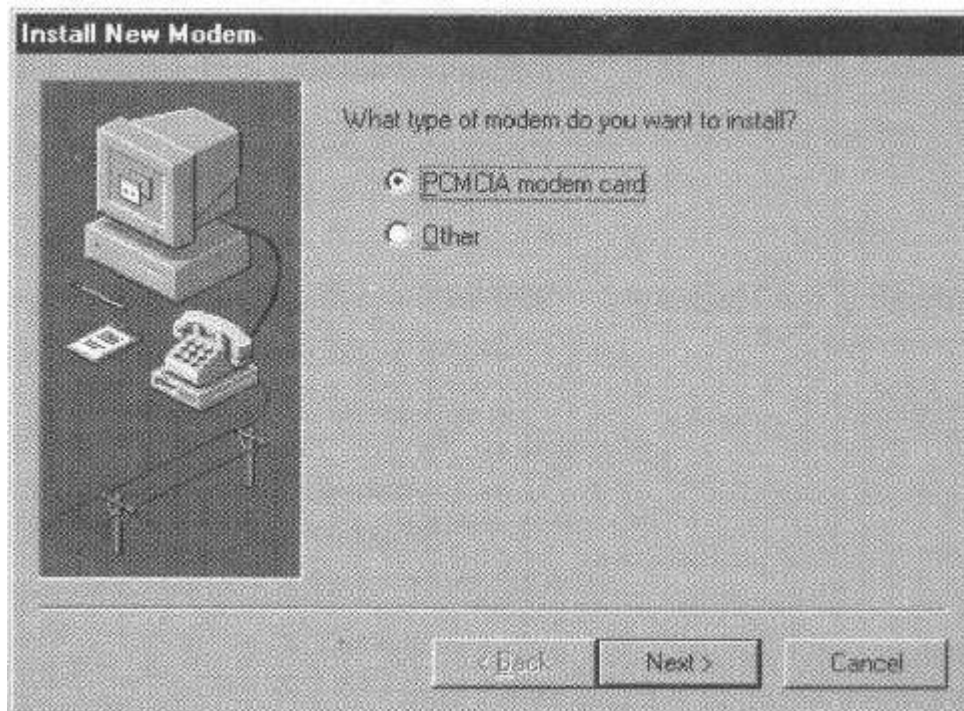
- With an internal 28.8 modem (28,800 bps)
- Without an internal modem

If your system does not include an internal modem, you can purchase a 28.8 PCMCIA modem to use instead.

If you have purchased the WinBook FX with an internal modem, it will be automatically set up for use in Windows 95. If you have elected to use a PCMCIA modem, you will have to set up Windows 95 to work with this card. This section covers the general steps required to enable the modem. Always consult the documentation that ships with your PC Card modem for specific instructions.[FX 4-3]

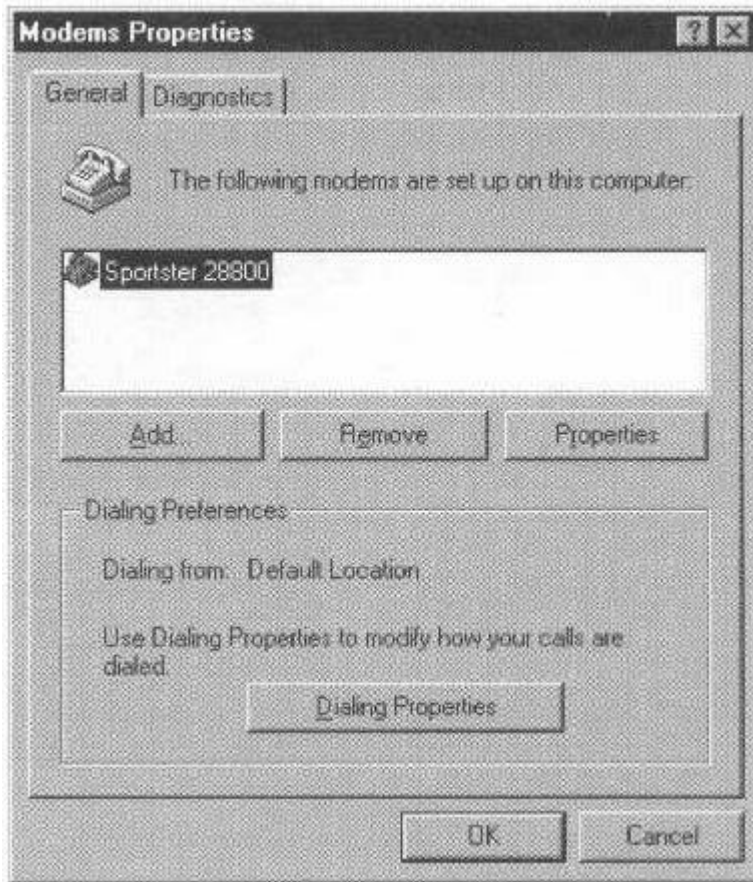
To check to see if your modem is working or installed correctly, go to the Control Panel. Go to **Start**, then **Settings**, and then **Control Panel**. Select the entry for **modems** by double clicking on it.

If you don't see any modem installed, you will need to install one yourself by using the **ADD** button. You will see a dialog box like the one below.

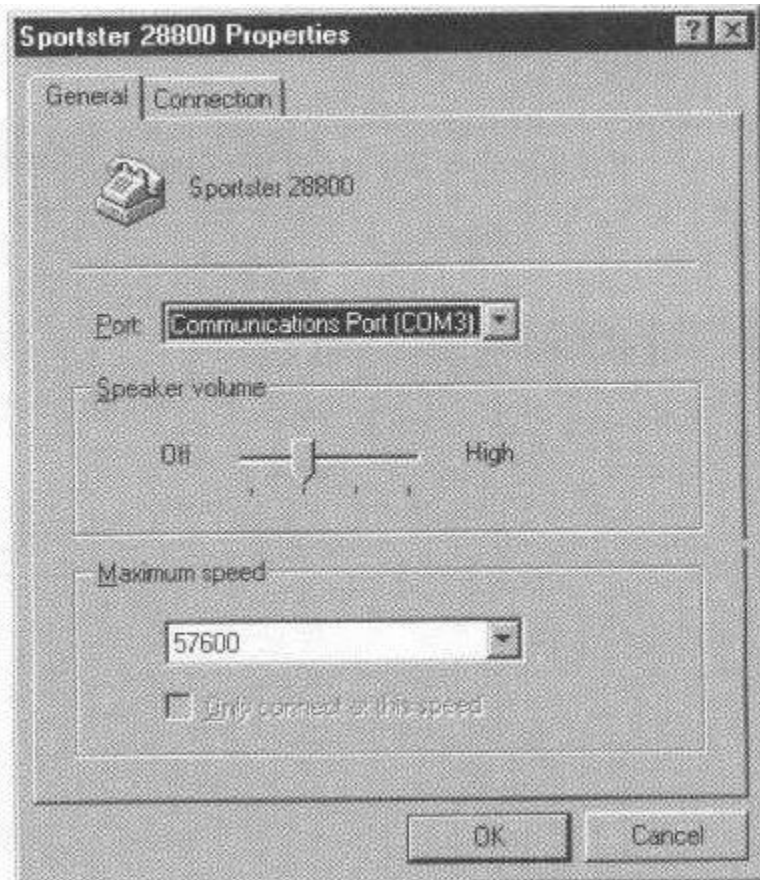


Proceed with the on-screen instructions to install and test your modem.[FX 4-4]

If your modem software drivers are already installed, you will see a screen like the one below.

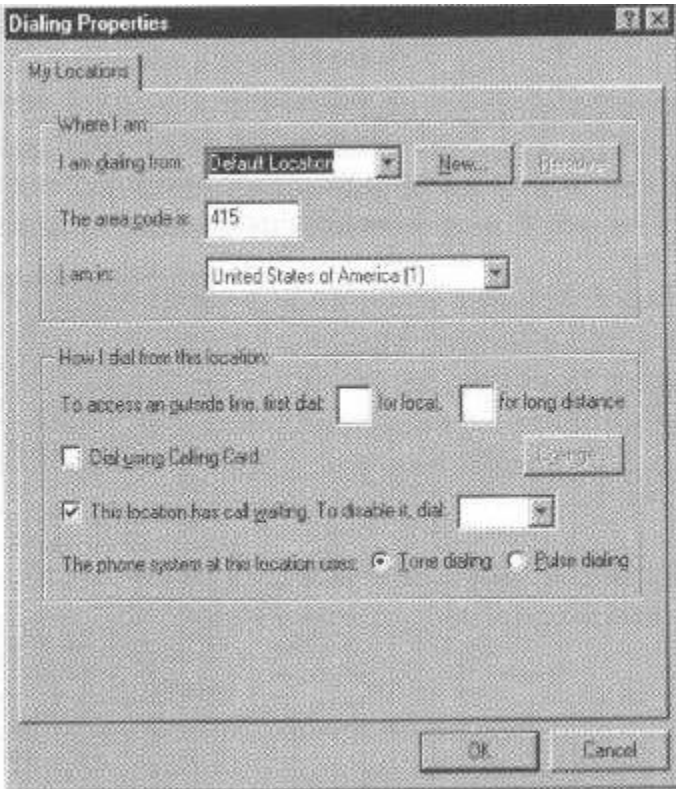


Once your modem is installed, click on **Properties** to see how it is set up. A screen like the one here will appear.[FX 4-5]



From this screen you will be able to change the modem configurations for speaker volume (when dialing out), communication speeds, protocols and the COM port assignment. You should not have to change any of these settings to get your modem to work. For a detailed description of these specific settings, consult your modem manual or *Windows 95 User's Guide*. [FX 4-6]

When you are finished checking your modem configurations, click on the **OK** button to return to the main modem Setup screen (shown as the Modem Properties). Once in the Setup screen, you need to do one more thing to configure your modem for your working environment. Click on the **Dialing Properties** button and the following screen will appear.

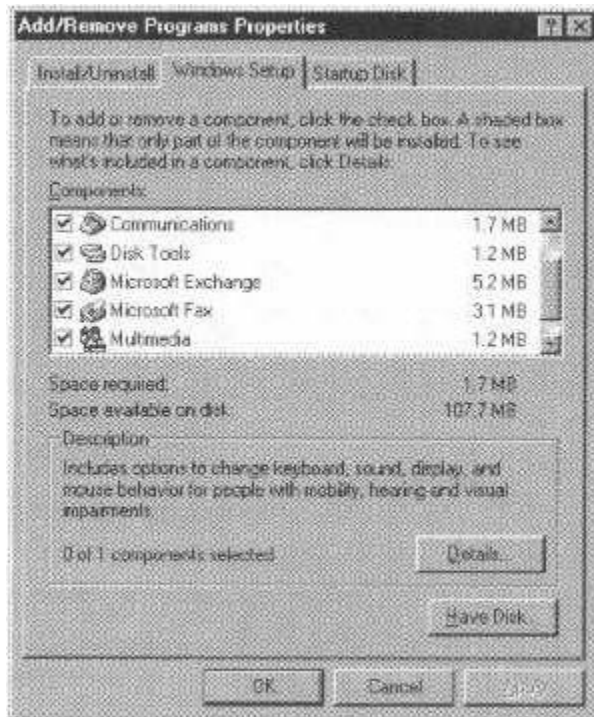


At this point you should fill in the information regarding your local environment and then click on the **OK** button to complete the final installation.[FX 4-7]

ADDING WINDOWS 95 PROGRAMS

Throughout this section we will be referring to the communications applications included with Windows 95. If you don't see these applications in the Programs listing, or have accidentally removed them from your system, you will need to install them before you can use them.

To add an application, first select **Start**, then **Settings**, and then the **Control Panel**. Select the icon marked **Add/Remove Program**. Now select the tab marked **Windows Setup** to select the applications you want to install, and you will see the screen below. When this screen appears, select the applications you want. If your system doesn't show a check next to Microsoft Exchange, Fax, and Communication tools, click on the boxes to select them. Click the **OK** button. Windows 95 will automatically install these applications.



ACTIVATING WINDOWS 95 PROGRAMS

In the upcoming sections, we will instruct you to choose the **Start** button to activate programs within Windows 95. There are two ways to display the Windows 95 Start menu:

Press the left <Windows> key between the <Ctrl> and <Alt> keys on the left side of the keyboard, or

Use your mouse pointer to select the **Start** button on the left side of the Task Bar at the bottom of the Windows 95 desktop.

USING THE PHONE DIALER

You can use Phone Dialer to place calls from your WinBook FX with the internal modem or the PCMCIA modem. This speed dialing feature is useful when you can't remember phone numbers, or when you want to dial a phone number quickly. You can store up to 8 phone numbers.

You can initiate calls with your WinBook FX modem using the Phone Dialer application then pick up the phone when you hear a person answer your call. Before you do this though, **you must connect both your phone and the WinBook FX modem to the same phone jack.** See "Getting Faxes You Weren't Expecting" that follows for details about connecting a multi-jack adapter.

To find Phone Dialer, activate the **Start** menu (see "Activating Windows 95 Programs" above). Choose **Programs**, then **Accessories**, and **Phone Dialer**.

If Phone Dialer does not display in the Accessories menu, activate Windows Help by activating

the **Start** menu. Choose **Help**, then choose the **Index** tab. Type **installing** in the field then use the down arrow to move down the selections until you see Windows Components. Choose **Windows Components** and follow the steps. Refer to "Adding Windows 95 Programs" on the previous page.[FX 4-9]

UPDATING FILES FROM A REMOTE COMPUTER

Using Briefcase in Windows 95, you can update files on your main computer when you've worked on copies of these files away from your office or home on your WinBook FX. Or you can update files on your WinBook FX from files on your main computer.

When using Briefcase, move files from shared folders on the main computer to the Briefcase icon on your WinBook FX.

To update files, you must first connect your WinBook FX to the main computer. You can do this by using the WinBook FX's modem, a cable from your serial port to the main

computer's serial port, or if your main computer uses a Serial Infrared (SIR) port, you can use the SIR port to connect with the main computer (see "Using the Serial Infrared Port" in this chapter). If you don't want to use serial ports for connecting the WinBook FX to the main computer, Briefcase allows you to update your files using a floppy disk.

If Briefcase is not shown on the desktop, activate Windows Help by activating the **Start** menu (see "Activating Windows 95 Programs" in this chapter). Choose **Help**, then choose the **Index** tab. Type **installing** in the field then use the down arrow to move down the selections until you see Windows Components. Choose **Windows Components** and follow the steps.

MICROSOFT EXCHANGE

Microsoft Exchange in Windows 95 provides a mailbox that you can use to send and receive e-mail (electronic mail), faxes, and messages from on-line services.

To activate Microsoft Exchange, choose the **Inbox** icon on your desktop. If Inbox is not shown on the desktop, activate Windows Help by [FX 4-10] activating the **Start** menu (see "Activating Windows 95 Programs" in this chapter). Choose **Help**, then choose the **Index** tab. Type **installing** in the field then use the down arrow to move down the selections until you see Windows components. Choose **Windows Components** and follow the steps.

If you will be using the communications applications such as fax, phone dialer, or e-mail frequently, you may want to automatically start Exchange each time you start up Windows 95 to save you from having to manually start up Exchange when you want to use these applications.

To setup Windows 95 so Exchange will run each time you bring up Windows 95, take the following steps:

Click the **Start** button, then point to **Settings**

Click on the Task Bar, and click the **Start Menu Programs** tab.

Click **Add**, then click **Browse**.

Locate Exchange program by choosing **My Computer**, **Program Files**, **Microsoft Exchange** and **Exchng32**. Then double click on it.

Click **Next**, and then double-click the **StartUp** folder.

Type the name that you want to see on the **StartUp** menu, and then click **Finish**. If Windows prompts you to choose an icon, click on one, and then click **Finish**. The next time you start Windows 95, Exchange will automatically start.

SENDING AND RECEIVING FAXES

Use Microsoft Exchange to view, edit, send, or reply to fax messages. To start Microsoft Exchange for sending or receiving fax messages, choose the Inbox icon on the Windows 95 desktop. The Inbox window [FX 4-11] appears, allowing you to view incoming and outgoing messages. Choose the Inbox folder to see messages you have received.

NOTE: Be sure to check that the modem software for Windows 95 is correctly installed before using Microsoft Exchange. Refer to "Checking the Modem" at the beginning of this chapter.

MICROSOFT FAX

Microsoft Fax is a program within Microsoft Exchange, which you can use to send and receive faxes if you're using Windows 95. You can compose new messages, and you can send and receive documents composed in other programs. Almost anything you can print from a Windows 95 program can be sent as a fax message.

To use this feature, you need to select the Microsoft Fax printer to print your document. In the program that you used to create a document, spreadsheet, or drawing, choose the **Print** dialog box from the program. Change the printer selection from your normal printer to **Microsoft Fax**. When you have made this selection and you are ready to print, choose the **OK** button on the screen to start the print job. Microsoft Fax will step you through tasks to choose the recipient and send the document as a fax message.

If you need help using Microsoft Fax, choose the **Help** menu in Microsoft Exchange, then choose **Microsoft Fax**.

If Microsoft Fax is not on your computer, activate Windows Help by activating the **Start** menu (see "Activating Windows 95 Programs" in this chapter). Choose **Help**, then choose the **Index** tab. Type **installing** in the field, and then use the down arrow to move down the selections until you see Windows Components. Choose **Windows Components** and follow the steps.[FX 4-12]

GETTING FAXES YOU WEREN'T EXPECTING

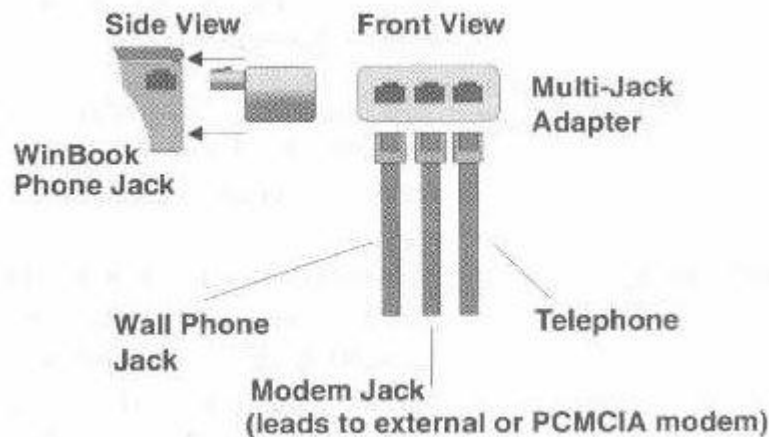
If you don't have a separate phone line for your WinBook FX, there may be times when you answer an incoming phone call and hear tones indicating a fax machine is trying to send you a message. Normally you would hang up the phone, connect the WinBook FX to the phone line, and then wait for the remote fax machine to call again.

By adding a multi-jack telephone adapter, you can avoid having to wait for the remote fax machine to call a second time. The WinBook FX's telephone line connection does not have a multi-jack adapter, so you must install one to receive unexpected fax messages. You can purchase an adapter from retailers who sell telephone accessories.

To use a multi-jack adapter with an internal modem, plug the adapter into the WinBook FX's

internal telephone line jack. The adapter has 3 jacks, allowing you to connect the incoming phone line to one, and your telephone to the other; if you are using a PCMCIA or external modem instead of an internal modem, use the third jack to connect to that modem.

Multi-Jack Adapter



[FX 4-13]

After connecting the multi-jack adapter, if you answer an incoming call and hear the tones associated with an incoming fax message, choose the **Phone** icon in the Status section of the Task Bar.

Choosing the Phone icon causes the Microsoft Fax Status window to appear on your desktop. Choose the **Answer Now** button in the Microsoft Fax Status window to cause the WinBook FX to connect to the phone line and receive the fax.

NOTE: The Phone icon will appear in the Windows 95 Task Bar only when Microsoft Exchange is enabled. If you use Exchange a lot, you may want to set up Windows 95 so Exchange is activated automatically when you boot (see the "Microsoft Exchange" section earlier in this chapter). Or you can click on Inbox each time you boot Windows 95.

ON-LINE SERVICES

Using your modem to connect to an on-line service allows you to communicate with other users around the globe. You can use on-line information centers-bulletin boards-for information, entertainment, and shopping. You can also get answers to technical questions, download software programs, and have access to the Internet.

You can access many on-line services with your WinBook FX. Most on-line services charge a monthly fee for using their service. Contact the service provider to determine the cost of the service before connecting.

MICROSOFT NETWORK

Microsoft Network is an on-line service that is available when using Windows 95. To start using

Microsoft Network click on the Microsoft Network icon on your desktop, and follow the on-screen instructions to begin the application. If you don't see the Microsoft Network icon on your desktop or if you accidentally removed the application, see "Adding Windows 95 Programs" earlier in this chapter.[FX 4-14]

INTERNET ACCESS

The Internet is a world-wide network that you can access to send e-mail, obtain information on specific topics, and exchange computer files. You can access the Internet using most on-line services. By choosing the service's Internet Browser, you can go to Web Sites, chat with others who share your interests, and connect with people products, and services around the world.

The Windows 95 Plus software package by Microsoft, available at most software retail stores, provides a program called the Internet Explorer to access the Internet and World Wide Web.

SENDING AND RECEIVING E-MAIL

Definitions

Off-line: The system is not connected to an external information source.

On-line: The system is connected to an external information source.

You can send or receive e-mail using the Microsoft Network. If you use a different Internet access provider, you can configure Microsoft Exchange for Internet e-mail by starting the Internet Setup Wizard.

NOTE: Be sure to check that the modem software for Window 95 is correctly installed before using Microsoft Exchange. Refer to "Checking the Modem" at the beginning of this chapter.

To run the Internet Setup Wizard, activate the **Start** menu (see "Activating Windows 95 Programs" in this chapter). Choose **Programs**, then **Accessories**. Choose **Internet Tools**, then choose **Internal Setup Wizard**.

You do not need to be connected to your e-mail service to compose a message. You can compose and save outgoing messages while you are off-line and not paying for service, then send the messages when connected to your e-mail service. You can also compose e-mail messages while you are on-line.

Other people can send you e-mail when you are off -line. When you connect [FX 4-15] to your e-mail service, you can read your messages while on-line, or you can download your messages and read them later when you are off-line.

If you need assistance sending or receiving e-mail:

Activate Windows Help by activating the **Start** menu (see "Activating Windows 95 Programs" in this chapter). Choose **Help**, then choose the **Index** tab. Type **e-mail**. Choose the **Display** button to see more information. For more help, see "adding Windows 95 Programs" in this chapter.

USING HYPERTERMINAL

NOTE: Windows Help (also referred to as on-line help) and documentation is available in the system regardless of its connections.

HyperTerminal is a feature of Windows 95 that you can use to communicate with a bulletin board, an on-line service, or other computers.

To find HyperTerminal, activate the **Start** menu (see "Activating Windows 95 Programs" in this chapter). Choose **Programs**, then choose **Accessories**.

If HyperTerminal is not on your computer, activate Windows Help by activating the **Start** menu (See "Activating Windows 95 Programs" in this chapter). Choose **Help**, then choose the **Index** tab. Type **installing** in the field, and then use the down arrow to move down the selections until you see Windows Components. Choose **Windows Components** and follow the steps.

To create a new HyperTerminal Connection, choose **HyperTrm** from the HyperTerminal window. Dialog boxes walk you through the steps that are required to create the new connection. If you save the connection, it will be added to the HyperTerminal window for easy connection at a later time. [FX 4-16]

To use a HyperTerminal connection that you previously created, simply choose the Icon that represents the location that you want to connect to. The WinBook FX will dial and connect. A terminal window will appear that allows you to interact with the location to which you are connected.

COMMUNICATING WITH BULLETIN BOARDS

You can use your WinBook FX to communicate with on-line information centers known as bulletin boards. Bulletin boards offer services such as e-mail, chat, and information. Some Bulletin Board Services (BBS) allow you to download documents, programs, and other information.

You can use HyperTerminal to dial, connect, and communicate with Bulletin Board Services. See "Using HyperTerminal" above for more information.

If you think you may need a software driver that was not included with your WinBook FX when you received it, contact Technical Support at the number listed on the "Read-Me-First" card. They may recommend that you download a software driver from a bulletin board. They will give you details on file names, procedures, etc.

EXCHANGING FILES WITH OTHER COMPUTERS

Your WinBook FX allows you to exchange files with other computers. You can use Briefcase to do this. See "Updating Files from a Remote Computer" in this chapter for more information.

You can also use HyperTerminal to dial, connect, and communicate with other computers. See "Using HyperTerminal" in this chapter for more information.[FX 4-17]

USING WIRELESS SERVICE

A very handy feature for people on the road is the capability of hooking a cellular phone to the WinBook FX. There are several vendors who offer PCMCIA cards that interface to cellular phones. Normally these cards work with specific models of cellular phones, so be sure to check with your cellular phone manufacturer to see if your phone supports these features. Or check with your PC Card manufacturer to see if it supports your phone.

Once you have the PC card hooked up with your cellular phone and your WinBook FX, you can send and receive faxes, access e-mail or surf the Internet without having to find a phone jack.

USING THE SERIAL INFRARED PORT

The Serial Infrared port uses infrared light to communicate with compatible external devices such as other computers or printers. The Serial Infrared port operates similar to a TV remote control, but the data moves at a greater speed. This method of communication offers a convenient wireless connection to compatible devices.

To use the port, you must have an unobstructed visual pathway between the WinBook FX's Serial Infrared transceiver and the external device's Serial Infrared transceiver. The WinBook FX and the external device can be up to 1 meter apart with a 15° angle.

To use the Serial Infrared port, you may need to enable the port. To enable the port, go to the Setup Program. See Chapter 9, *Using the Setup Program*, for more information.

NOTE: The WinBook FX comes with Puma TranXit software to support the infrared interface. TranXit will allow you to print wirelessly to a printer with an IR port such as the HP LaserJet 5M, or send and receive files from another system with TranXit. Refer to the TranXit manual that [FX 4-18] came with your system or the TranXit on-line documentation.

To get to the TranXit on-line help, press the left <Windows> key, and select **Programs**, then **TranXit**, and then select the **TranXit** Help icon. This will bring up the on-line manual.

Once you are familiar with the TranXit capabilities, you can start the application by clicking on **Start**, then **Programs**, then **TranXit2**, then **TranXit**, and then follow on-screen instructions.

[FX 4-19]

[FX Chapter 5](#)

CHAPTER 5: EXPANDING YOUR SYSTEM

ACCESSORIES

Your WinBook FX is compatible with common computer accessories: monitors, keyboards, mouse pointer, and printers. You can connect accessories directly to the WinBook FX or to a docking station that allows a quick and convenient connection to all accessories at once.

WARNING: Turn off power to accessories before you connect them to your WinBook FX to ensure that its interfaces are not damaged.

EXTERNAL KEYBOARD

To make typing more convenient, you can use a full-size external IBM PS/2 or compatible keyboard with your WinBook FX. The external keyboard must be compatible with the PS/2 jack on the back of the WinBook FX. The PS/2 jack is the small round socket located on the right side of the back of WinBook FX.

If your keyboard's cable connector doesn't fit the WinBook FX's PS/2 connector, you may be able to use an interface connector to make them compatible. You can purchase an AT-PS/2 adapter from most suppliers of computer hardware.

Connecting an External Keyboard

Make sure your WinBook FX is powered OFF before starting.

Locate the mini-Din connector located at the right side of the WinBook FX. For location, refer to the rear view of the WinBook FX in Chapter 2, *System Tour*.

Carefully line up the pins of the keyboard jack and connect it to the mini-Din connector.

Note that some keyboards have an AT-style keyboard connector. If your keyboard has this type of connector, use an AT-to-PS/2 keyboard adapter.

Once the external keyboard is connected, turn on the WinBook FX [FX 5-2] power. Both the embedded keyboard and the external keyboard should function. You can use both keyboards at the same time, but you can't use combination keys such as <C> on one keyboard and <CTRL> on the other.

EXTERNAL MONITOR

You can easily hook up an external monitor to your WinBook FX. The WinBook FX's external monitor interface supports SVGA monitors.

You may need to change the monitor driver for the best monitor image. Refer to your monitor's *User's Guide* for the specifications of your external monitor.

Connecting an External Monitor

Turn off power to the video monitor to ensure that the WinBook FX's interfaces are not damaged.

Connect the monitor's 15-pin analog connector to the video port located behind the right-hand door in the back of the WinBook FX.

After plugging the monitor cable into the video port, tighten the connector screws to secure the connector to the WinBook FX.

Make sure the monitor is plugged into a suitable power source, then turn it on.

Press <Fn> + <F12> to switch between the WinBook FX's display and your external monitor. Note that you have a choice of 3 active display settings: LCD only, both LCD & CRT monitor, and CRT monitor only. <Fn> + <F12> will toggle through these 3 settings.[FX 5-3]

PRINTER

If you want to print your work on paper, you'll need to use a printer. You can connect a printer directly to LPT1 on your WinBook FX. To connect a printer to the WinBook FX, you need a parallel cable. Some printers use cables with a special connector that plugs into the printer, but the end that plugs into your WinBook FX must be a standard parallel connector.

WARNING: Make sure the printer is turned OFF before connecting it to the WinBook FX to ensure that its interfaces are not damaged.

Connecting the Printer

Open the large I/O door on the back of the WinBook FX. This is the I/O door located on the left side as you face the back of the WinBook FX. Refer to the rear view in Chapter 2, *System Tour*.

LPT1, the parallel printer port, is located on the left side of the large bay. Plug the printer cable connector into the parallel port, and then screw it into place to secure the connection.

You must have a software driver installed for your particular printer for printing with the WinBook FX. There are a number of printer drivers included with Windows 95. You can use one of them, or you can supply your own driver.

Installing the Printer Software Driver

To display the **Start** menu, press the left <Windows> key, or choose the **Start** button on the Windows 95 Task Bar.

Choose **Settings**, then **Printers**.

Choose **Add Printer**, then **Next**.

Choose the Manufacturer Name of your printer.[FX 5-4]

Choose the Printer Model that you are using.

If Windows 95 does not list your printer, you need the software driver disk that came with your printer. If you have the disk, choose **Have Disk**, and follow the appropriate steps to install your printer driver.

When you have completed installing the driver, Windows 95 allows you to print a test page to verify proper operation.

ADDITIONAL POINTING DEVICES

You can attach another pointing device such as a mouse, graphics tablet, or virtual reality input device to either the PS/2 port or the serial port. Refer to your pointing device *User's Manual* for

information about which port to choose.

More than one device can cause a conflict. Although the WinBook FX supports 2 pointing devices, it is recommended that you only use one pointing device at a time to avoid device conflicts.

Pointing devices typically have a right and left button. In application programs, the left button is usually used to make selections. The function of the right button varies widely with different software. Some applications allow you to assign functions to the right button. Refer to your application *User's Manual* for specific information on pointing device button functions.

NOTE: You can switch the "left- and right-handedness" of the buttons on your pointing device. You can do this in the Windows 95 Control Panel mouse setting. Simply click and the driver will reverse the operations.[FX 5-5]

Installing the Pointing Device Software Driver

You may have to install a new pointing device driver if your pointing device is not presently supported by Windows 95. Check the *User's Manual* that came with your pointing device. Use the procedure described in "Installing the TouchPad Software Driver" in Chapter 1, *Getting Started*.

TouchPad Software Driver

If you have purchased a WinBook FX with a TouchPad installed, you can either use the standard Windows 95 PS/2 mouse driver or an enhanced TouchPad driver. The enhanced driver allows you to more accurately control the special actions of the TouchPad such as the tap and double-taps. If the driver is already installed, you will see a TouchPad icon instead of the mouse icon in the Control Panel screen. If you see the mouse icon, you may want to install the TouchPad driver from the floppy disks that came with the system. See "Installing the TouchPad Software Driver" in Chapter 1, *Getting Started*.

Adding a Mouse

You can connect either a serial or PS/2 Microsoft compatible mouse to your WinBook FX. If you connect an external PS/2 mouse before you turn on your WinBook FX, the WinBook FX will automatically sense the mouse and enable it.

If you use a serial mouse, connect the mouse to the serial port located behind the small I/O door on the backside of the WinBook FX. The small I/O door is located on the right side of the WinBook FX as you face the backside. The serial port is the left connector inside of the small bay.[FX 5-6]

If Windows 95 does not recognize your serial mouse, you will need to use Windows 95 to "Add New Hardware."

Follow these steps to use the Add New Hardware feature:

Attach the mouse to the serial port.

To display the **Start** menu, press the left Windows 95 key, or choose the **Start** button on the

Windows 95 Task Bar.
Choose **Settings**, then **Control Panel**.
Choose **Add New Hardware**, then **Next**.

Windows 95 will search for your serial mouse and add a driver to operate it.

MULTIMEDIA SOUND SYSTEM

The WinBook FX's built-in audio capabilities allow you to take advantage of a wide range of educational and entertainment multimedia software without the additional costs of add-on cards and peripheral hardware. The multimedia sound system features a sophisticated on-board FM sound generator that produces realistic music and human voice sounds in 16-bit stereo.

The multimedia sound system includes the following features:

- Audio tone and balance controls that are unique to the WinBook FX allow you to get the optimum quality sound

- Sound Blaster 16, Ad Lib, and MS Windows Sound System compatibility

- Music Synthesizer, Roland MPU401 UART mode compatible[FX 5-7]

- An FM sound generator capable of simultaneous playing of 18 melody sounds and 4 rhythm sounds via software control

- Sine wave speech synthesis for creating realistic human speech effects with 8 selectable waveforms

- 16-bit Analog to Digital and Digital to Analog converter

- Five 44.1 kHz sampling rates, 16-bit digitized audio playback

- Dynamic filtering reduces noise and distortion rate

- Five-channel MPC compatible mixer, 32-step volume control

- Built-in microphone for convenient recording

- Integrated power amplifier for analog output and volume control

- Sound compression at rates of 2:1, 3:1, and 4:1 allows you to save disk space

These applications are compatible with Sound Blaster and the Microsoft Windows Sound System. With these programs you can record, store, compress, edit, and playback a variety of sounds and music.

Windows 95 Audio Applications

To access the audio applications, press the left <Windows> key. Choose **Programs**, then **Audio Applications**. You will see 6 audio applications listed:

- Audio Rack

- CD Player

- MIDI Player

- Mixer Control

- Wave Player

- Wave Editor

For a thorough description of installing, setting up, and using these audio applications, refer to

the *Audio Manual* that came with your system.[FX 5-8] Also in the Audio Applications folder will be a file called ReadMe which will have the latest release notes for these applications, along with specific tips on using the audio system with MS-DOS modes.

Audio Utility Floppy Disks

The audio applications floppy disks included with your system contain the applications listed above. As shipped, your WinBook FX will have these audio applications already installed. If you have deleted these from your system and need to reinstall them, insert Disk 1 of the Audio Applications disks into the Floppy Drive. Then click on **Start**, then **Run**, and then type **A:Setup** into the dialog box. The program will automatically install and will ask you to insert the second floppy when needed.

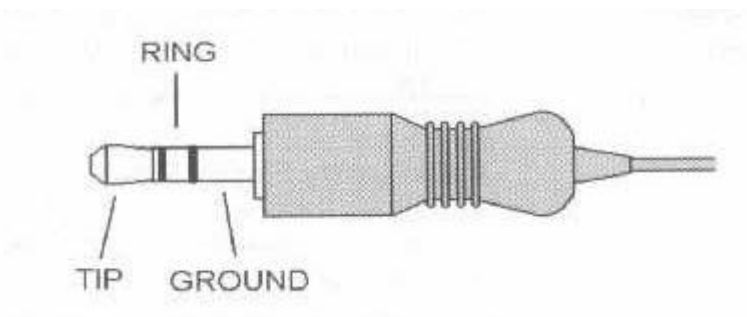
Audio Connectors

There is a stereo Line-In input and an External Microphone input (you can also use the internal condenser microphone). You can connect an external audio source such as a

stereo tape deck or CD player to the Line-In jack. In addition to the WinBook FX's built-in speakers, you can connect external stereo speakers or headphones to the External Speaker jack. Refer to Chapter 2, *System Tour*, for connector locations.

NOTE: Most external microphones provided for Creative Labs or Microsoft sound cards and coil moving type microphones are compatible with the WinBook FX. If you are using a condenser type microphone, check the connector to make sure the tip and ring short internally. Refer to the illustration on the next page. Contact the microphone manufacturer for further information.[FX 5-9]

Microphone Plug



EXTERNAL SPEAKERS

You can listen to music or other audio material using the built-in speakers in your WinBook FX. You can also connect external speakers to your WinBook FX.

DANGER: To avoid damage to the speakers or to your hearing, turn the volume down before you plug in the speakers (see "Controlling the Volume Level of External Speakers").

Connecting External Audio Speakers

Connect your external speakers to the external speaker jack on the backside of the WinBook FX. As you view the backside of the WinBook FX, the external speaker jack is the right-most hole above the right I/O door. Refer to the WinBook FX rear view in Chapter 2, *System Tour*. [FX 5-10]

Controlling the Volume Level of External Speakers

To control the volume level of the external speakers, you can use function keys on the keyboard or volume controls in Windows 95 and other audio programs. When you press the volume control keys, a Popup Status window appears in the upper left side of the screen. The Popup Status window shows you the current volume level with a graphic display.

When using function keys to control the volume: Press <Fn> + <F7> repeatedly to lower the volume. Press <Fn> + <F8> repeatedly to raise the volume. If you need to silence the audio source, press <Fn> + <F6>. Enable sounds by pressing <Fn> + <F6> again. (See the "Special Function Keys" section of Chapter 2, *System Tour*, for additional audio keyboard controls.)

SERIAL PORT DEVICES

The WinBook FX includes a standard RS-232 compatible port for serial communications. You can connect serial devices such as a mouse pointer, serial printer, plotter, modem, or a graphics tablet to the serial port. The serial port is located at the back of the WinBook FX. Refer to the rear view of the WinBook FX in Chapter 2, *System Tour*. Note that the WinBook FX's serial port uses a DB-9 type connector. Many serial devices are equipped with a DB-25 type connector. To plug a DB-25 connector into the WinBook FX's DB-9 connector, you need a serial 25-to-9 adapter. Your local computer store should have one.

PARALLEL PORT DEVICES

Aside from a printer, there are many computer accessories that will connect to the WinBook FX through the parallel port. The parallel port is located at the back of the WinBook FX. Refer to the rear view of the WinBook FX in Chapter 2, *System Tour*. [FX 5-11]

PARALLEL PORT OPERATIONS MODE

The WinBook FX supports 3 parallel port operation modes: Output Only, Bi-directional (default), and Enhanced Capabilities (ECP). The Setup Program allows you to select which mode of operation you want. See Chapter 9, *Setup Program*, for details on configuring the parallel port communication mode.

Output Only

Output Only Mode: When operating in Output Only mode, the parallel port allows data output only. The Output Only mode is sometimes referred to as PC Compatible mode since this is the mode supported in the original PC design. If you are having a problem with your parallel port, or are using a peripheral that was designed years ago, you should change to this setting since it

should work in all cases.

Bi-Directional

Bi-Directional Mode: In Bi-directional mode, the parallel port allows both data input and output. The Bi-directional mode is the most common setting since most modern devices will work in this mode, and it provides better performance than the Output Only mode. Use Bi-directional mode for normal devices like printers.

Enhanced Capabilities

Enhanced Capabilities Mode: The parallel port operates in the Enhanced Capabilities Port (ECP) mode if an Enhanced device driver is loaded. This mode is only supported with ECP aware peripherals, so when the parallel port is configured as an Enhanced Capabilities Port, your application must be ECP aware. Use Enhanced Capabilities mode for devices such as a LAN adapter or a Tape Backup device.

[FX 5-12]

[FX Chapter 6](#)

CHAPTER 6: UPGRADING YOUR WINBOOK FX

You can add to your WinBook FX's capabilities with hardware upgrades. Some possible upgrades are listed below.

FASTER CPUs

As you are undoubtedly aware, the latest and greatest CPU of today will seem antiquated in a few years. To help you protect your investment, the WinBook FX uses a socket for the CPU. This allows you to upgrade to faster processors, as they become available.

WARNING: Upgrading the CPU is **NOT** something you should try on your own. Contact Sales at the number listed on the "Read-Me-First" card that came with your computer. Ask about available CPU upgrades and how to send your WinBook FX to our Support Center for CPU installation.

LARGER HARD DISK DRIVES

As the WinBook FX is introduced, you may purchase it with hard disk drives ranging in capacity from 820MB to 2.2GB. Later, you may want to consider upgrading to a higher capacity drive. The WinBook FX features a removable hard disk drive to support this process. Although you can do this yourself, we recommend you call Sales for information on the latest drives available. Contact Sales at the number listed on your "Read-Me-First" card.

WARNING: If you do choose to upgrade your drive, be sure to back it up before removing it. You can then restore the backup to your upgrade hard drive.[FX 6-2]

ADDITIONAL MEMORY MODULES

Additional memory modules can increase your WinBook FX's main memory from 16MB to 24MB, 32MB, or 40MB. You can get a kit that will give you precise instructions on how to remove the memory module compartment cover and insert additional memory modules.

Contact Sales at the number listed on your "Read-Me-First" card and ask for information on memory upgrades.

WARNING: The WinBook FX requires custom-sized SIMMs (Single-In-Line-Memory-Modules). If you want to increase your WinBook FX's memory, contact Sales at the number on your "Read-Me-First" card to find the right SIMM for your system.

The table below summarizes the possible memory module configurations.

On Board	Expansion Slot 1	Expansion Slot 2	Total
8MB	---	---	8MB
8MB*	8MB*	---	16MB*
8MB	8MB	8MB	24MB
8MB	16MB	---	24MB
8MB	16MB	8MB	32MB
8MB	16MB	16MB	40MB

* Standard WinBookFX configuration.

*Standard WinBook FX configuration.

FIRMWARE UPDATES

Your WinBook FX includes software written into Read Only Memory chips or ROM. When software resides in chips, it is called firmware. The basic firmware for the PC is called the ROM BIOS for the Basic Input/Output System. Part of this firmware is the Setup Program described in Chapter 9, *Using the Setup Program*.

From time to time, we will update the WinBook FX system BIOS (firmware) for enhancements or bug fixes. These firmware upgrades can be downloaded from the WinBook BBS via an upgrade floppy disk. These are then used to reprogram your Flash ROM BIOS. With the help of Technical Support, you will be able to erase the current firmware and replace it with the updated version.

PCMCIA CARDS

PCMCIA cards are credit card sized electronic modules that can provide your WinBook FX with added functionality. They include memory cards, modems, network adapters and more. Contact Sales at the number listed on your "Read-Me-First" card for information on PCMCIA product offerings. If you want to buy a PCMCIA product from another source, you may want to check with Technical Support about which PC Cards are certain to be compatible with the WinBook FX and Windows 95.

PCMCIA cards are classified as Type I, II, and III. The WinBook FX has 2 PCMCIA sockets that will support the following configurations:

- 2 Type I cards
- 1 Type I and 1 Type II card
- 2 Type II cards
- 1 Type I or II card, with 1 Type III card

The PCMCIA compatible card sockets are located on the right side of the WinBook FX. Refer to the right view illustration in Chapter 2, *System Tour*. [FX 6-4]

Inserting a PCMCIA Compatible Card

Drop the panel door to access the PCMCIA sockets.

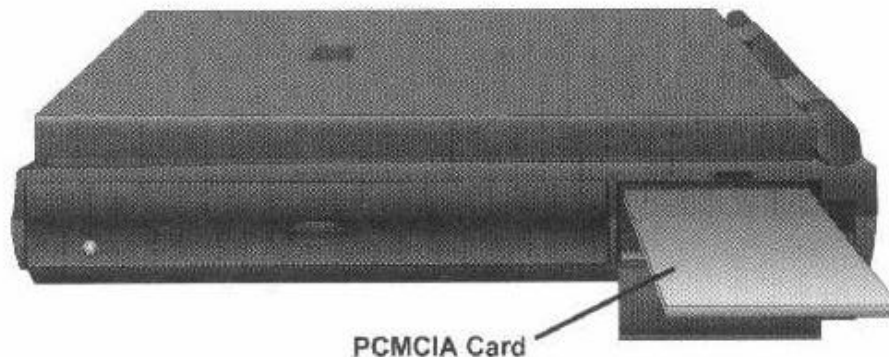
Hold the PCMCIA compatible card with the arrow side up and the connector side toward the socket.

Insert the card into the appropriate socket. The top socket is socket 1; the bottom socket is socket 2. When the card is fully seated, the black eject button located on the right side of the socket will pop out.

Note: There are 2 eject buttons, 1 per socket.

To remove a PCMCIA card, press the eject button, and the WinBook FX will eject the PCMCIA card from the socket.

Removing a PCMCIA Card



NOTE: You can leave your PCMCIA cards in the WinBook FX for safe storage; however, this will be an extra drain on your battery. Many PCMCIA cards draw quite a bit of power when plugged in. There are cards that automatically power down when they are idle. Check with your PC card vendor to see if their products support power conservation features. If not, you may want to remove the cards when not in use. [FX 6-5]

[FX Chapter 7](#)

CHAPTER 7: MAINTAINING YOUR WINBOOK FX

ABOUT THIS CHAPTER

This chapter presents information about procedures that will help avoid problems and extend the life of your WinBook FX. It is divided into 2 sections:

Environment Considerations: Ways the WinBook FX might affect the environment, and the main ways the environment can hurt your WinBook FX

Maintenance Procedures: Preventive maintenance procedures you should use on a regular basis

ENVIRONMENTAL CONSIDERATIONS

Temperature

Temperature effects on batteries

Humidity

Altitude

Electromagnetic interference

Battery disposal

Dust accumulation

Temperature

High and low temperatures can damage electronic components. Avoid using your WinBook FX in temperatures below 50°F (10°C) or above 95°F (35°C). Note that these temperatures are not the extreme. Caution should be taken when using the WinBook FX outside an air-conditioned environment; components in a computer operating in sunshine through a window in a non-air-conditioned building can reach high temperatures.

WARNING: Be careful when storing or shipping your WinBook FX so that it is not exposed to temperatures below -4°F (-20°C) or above 140°F (60°C). Remember that car trunks and other storage areas can reach temperature extremes.[FX 7-2]

Temperature Effects on Batteries

The batteries are specified to work from 41° to 95°F (5° to 35°C). Running your WinBook FX in temperatures below 41°F or above 95°F will reduce the battery life.

The batteries are designed so that if the temperature is too high, the charging circuit is cut off and the batteries will not charge. A safety switch in the battery causes this module that is aimed at prevention over-charging. So if you leave a battery in the sun on the dashboard of your car, don't be surprised if it doesn't charge when inserted into

the WinBook FX. Once the battery cools down, you will be able to charge it. At the other extreme, if the batteries get too cold, it will take up to twice as long to charge them or they may not fully charge.

Humidity

Avoid using your WinBook FX in weather where the relative humidity is above 85%. If you see condensation appearing on other warmed-up equipment, don't turn on your WinBook FX. The big risk from humidity is condensation that shorts out electrical connections. In microelectronics, it doesn't take much moisture to do this.

Altitude

Changes in air pressure can pose problems for the Micro-mechanical adjustments made in disk drives. Pressurized environments in airplanes at 20,000 feet are not a problem, but if you are using your WinBook FX in the mountains at high altitudes, you might, over the long run, experience lower disk drive reliability.[FX 7-3]

Electromagnetic Interference

In certain places such as airplanes, you may be asked to turn off your WinBook FX to avoid any possibility of interference with communications equipment. Normally, your WinBook FX should not create interference problems for household or office electronics equipment. However, connecting your WinBook FX to other computer devices might create interference with a nearby TV or radio. You can avoid this by getting cables and connectors that are properly shielded. You can obtain these from your computer dealer.

Battery Disposal

Your WinBook FX batteries must be recycled or disposed of properly. Currently, regulations governing battery disposal vary in different jurisdictions. To avoid any environmental problems, send your old batteries to us. Call Customer Service to obtain a Return Materials Authorization (RMA) number and a location to ship your old batteries to.

DANGER: To avoid shocks or burns, do not allow metal objects to contact or short circuit the battery terminals.

Dust Accumulation

Air is circulated through the WinBook FX to keep its components cool. Fine dust carried by the air can accumulate inside the WinBook FX and interfere with air-cooling. This dust coating heats up components and can also absorb moisture from the air which contributes to corrosion or rusting of components. If the environment where you use or store your WinBook FX is relatively dusty, vacuum the vents as described in the "Maintenance Procedures" section of this chapter. [FX 7-4]

MAINTENANCE PROCEDURES

Clean the display

Clean the keyboard, pointing devices, connectors

Vacuum the vents

Take care of cables, cords, connectors

Power-cycle the batteries

Use virus detection utilities regularly

Run Windows 95 Defragmenter and ScanDisk utilities

DANGER: Be sure your WinBook FX is powered down and unplugged before performing any of the following maintenance procedures.

Clean the Display

Be sure the WinBook FX is powered down and unplugged. Use a clean soft cloth and ant-static cleaning spray. Always spray the soft cloth, not the display itself. Gently wipe the damp cloth over the display to remove dust and dirt.

Clean the Keyboard, Pointing Device, and Connectors

Over time, you will notice that the keys become dusty around the edges. There may be times when dust, dirt, or crumbs fall between the keys.

WARNING: Do not turn the WinBook FX upside down and shake it to remove dust and dirt. Shaking the WinBook FX can cause damage to the hard disk drive.

Be sure the WinBook FX is powered down and unplugged. Use a handheld vacuum cleaner or canned air to remove dust and debris from the keyboard and communication ports.

Clean grease build-up on the keys with a damp cloth or cotton swab.

WARNING: Never spray liquid cleaners directly onto the keys or pointing devices. Moisture under the keys can damage your WinBook FX. Always spray cleaners onto a clean cloth or cotton swab, and then clean the keys and pointing devices.[FX 7-5]

Vacuum the Vents

Be sure the WinBook FX is powered down and unplugged. Use a handheld vacuum cleaner and hold it next to the ventilation slots on the WinBook FX enclosure.

Take Care of Cables, Cords, and Connectors

When connecting cables and cords to your WinBook FX, never route them across areas where people may trip. Avoid routing cables under your desk where your feet can get tangled. Locate your WinBook FX close to power outlets and other connected accessories to eliminate tension on cables and cords that can cause them to wear.

Power-Cycle the Batteries

After some use, the electronics in the battery module that monitors the battery level must be recalibrated. If it is not, a popup message indicating "battery gauge unsure" will appear. To avoid this, recalibrate the battery modules after every 32 charge/discharge cycles, or about once a month. To recalibrate the battery modules, fully discharge and recharge the battery ("cycling" the battery). If you frequently run the battery all the way down during normal use, you don't have to do this procedure. Battery cycling is described more fully in the "Fast Fixes" section of Chapter 10.

Use Virus Detection Utilities

Viruses are a serious threat to your WinBook FX's data and software. Be sure to run a virus

detection and cleaning program regularly if you exchange files with other systems or networks. See the "Viruses" section in Chapter 8, *Security*.[\[FX 7-6\]](#)

Run Windows 95 Defragmenter and ScanDisk Utilities

To keep your hard disk drive running efficiently, use the Windows 95 Defragmenter and ScanDisk utilities regularly.

To find more information about Windows Disk tools, follow these steps:

Click the **Start** button in Windows 95.

Choose **Help**.

Choose the **Index** tab.

Type in **disk tools**.

Then choose the **Display** button to get more information.

[\[FX 7-7\]](#)

[FX Chapter 8](#)

CHAPTER 8: SECURITY

BASIC AWARENESS

This chapter covers steps you can take to secure your WinBook FX and its data.

INSURANCE COVERAGE

Check with your insurance agent to see if your household coverage will extend to cover your WinBook FX against theft or damage. Owners of portable systems are surprised to learn just how expensive the display is to replace. A replacement display can cost nearly \$2,000.

PROTECTION AGAINST THEFT

The best way to protect your WinBook FX from theft is to disguise it in a carrying case or bag. If the bag looks like one that should hold a notebook computer, it may become a thief's target. The bag or case that you choose should have adequate padding to help prevent damage in the event that you drop it. It should also be comfortable to carry so that you are less likely to lay the bag down.

WARNING: Never leave your WinBook FX unattended while traveling, in restaurants, at conferences, or other public places.[FX 8-2]

SECURITY CONNECTOR

Consider using a mechanical security lock. There are many public situation where using something like a bicycle lock to secure your WinBook FX is appropriate, even if it may look clumsy. A built-in Security Connector allows you to lock the WinBook FX to a fixed object.

The Security Connector is located on the left side of the WinBook FX between the Power Input Connector and the Game Port. This connector will work with the Kensington lock security system, which consists of a lock and a steel cable that loops around an immovable object. The Kensington lock is available through many computer dealers.

WINBOOK FX PASSWORDS

You can restrict access to your WinBook FX with passwords that are built into the WinBook FX, as well as with passwords that are supported by Windows 95.

The firmware that supports the Setup Program in your WinBook FX allows you to set two passwords: the Supervisor Password and the User Password. Refer to Chapter 9, *Using the Setup Program*.

Supervisor Password

When the Supervisor Password is enabled in the Security menu of the Setup Program (See Chapter 9, *Using the Setup Program*), it will block access to the Setup Program menus. Once you enter the Supervisor Password, you can access all of the Setup Program menus.

If the **Password on boot** item is enabled in the Security menu, then you will be required to enter the Supervisor Password before your WinBook FX boots. You can also use the Supervisor Password to limit access to the Floppy Disk Drive by setting **Diskette access** in the Security menu to **Supervisor**.**[FX 8-3]**

NOTE: Setting **Diskette access** in the setup program can prevent unauthorized booting of the system in a way that could bypass your Windows 95 password.

User Password

If the Supervisor Password is enabled, a User Password may also be enabled. This password can be used to allow someone access to all of the Setup menus, but it does not allow them complete access to the settings in the Security menu. Specifically, if you have the User Password, you'll be able to change the User Password) Set User Password entry), and change the Password on Boot entry. However, you will not be able to disable the Supervisor or User Passwords.

You can also set **Diskette access** in the Security menu of the Setup Program to **User** in order to allow diskette access without complete control over the Setup Program menus.

WINDOWS 95 PASSWORDS

Microsoft Windows 95 offers a number of password features that help protect your privacy. We briefly describe some of them below.

For more information, on the Windows 95 desktop choose the **Start** button on the Task Bar to see the **Startup** menu. Choose **Help**, then choose the **Index** tab in the Help Window. Type **passwords** into the field, and then press the **Display** button on the bottom of the Help window to learn more about passwords in Windows 95.

Startup Password

Windows 95 offers an optional password that occurs when Windows 95 starts. If you use this Startup Password, you must type it in each time you start Windows 95.**[FX 8-4]**

If the WinBook FX powers down as a result of a low battery or power failure, when the power is restored, Windows 95 will pause and wait for a password before completing the startup.

NOTE: Some programs that are scheduled to run automatically will run even if you don't enter the Startup Password. Other programs skip duties until the next scheduled time if the password is entered.

User Password

If Windows 95 is setup for User Passwords, the WinBook FX will not fully start Windows 95 until a user presents a password. User Passwords allow you to configure Windows 95 to allow and disallow use of programs or files depending on the User Password. This is useful when several users share a WinBook FX, but do not wish to share applications or files.

HARD DISK ENCRYPTION

If someone removes your WinBook FX's hard disk drive, they can install it into another

computer to read or copy its contents. Even if you use Window 95 or the WinBook FX's Setup Program to enter passwords, your hard disk drive is not protected. There are applications available that allow you to encrypt the hard disk and avoid possible theft of personal or proprietary information. See your local computer software dealer about hard disk drive encryption utilities.

COMMUNICATIONS ENCRYPTION

Messages and files that you send over public facilities can be intercepted. You, and whoever you're exchanging information with, can acquire encryption utilities that will encode this information. Encryption programs are available as shareware and from computer software dealers. The different products offer a range of security levels from simple passwords that determined hackers can break, to sophisticated encryption that even national intelligence organizations cannot decipher.[FX 8-5]

VIRUSES

Computer viruses can "infect" files and programs on your WinBook FX. Viruses are a serious problem in the computer world. These unwanted programs will automatically spread themselves from one system to another, and can cause a number of problems such as:

- New display messages to appear as the system boots, indicating problems loading drivers and other software.
- Large amounts of disk space to be used.
- Scrambling of information on your hard disk drive.
- Files to be erased.
- Unusual display problems.

Whenever you transfer files from one system to another – by floppy disks, by downloading from an on-line service, by a local network – you are risking exposure to viruses.

Virus detection and removal software packages are available at most computer store. Be sure you get one for Windows 95. You may want to consider one that will automatically run every time you boot your WinBook FX.

WARNING: It is important to scan for viruses on a regular basis. Also, be sure to check for updates to your virus detection and removal software package every few months.[FX 8-6]

One way to protect your hard disk drive from virus damage is to enter **Security** menu in the Setup Program, and set the **Fixed Disk Boot Sector** field to **Write Protect**. Refer to Chapter 9, *Using the Setup Program*.

If you don't use a virus checker that runs automatically each time you boot, consider using the **Virus check reminder** that is built into you WinBook FX. Go to the **Security** menu of the Setup Program. (Refer to Chapter 9, *Using the Setup Program*.) Select the **Virus check reminder** item, and use the <+> and <-> keys to set the frequency with which the reminder message will appear. Consider **Weekly** or **Monthly** settings depending on how often you transfer files from other systems to your WinBook FX. The reminder message will appear whenever you boot your WinBook FX.

Typically, virus detect packages will guide you through building a backup boot floppy disk to be used if you suspect that the hard disk is infected.

NOTE: The WinBook FX is typically set up to look for a boot floppy disk before it starts to boot from the hard disk drive. This setting supports use of a backup boot floppy disk. To check this setting, go to the **Main** menu of the Setup Program as shown in Chapter 9, *Using the Setup Program*. Check that the **Boot Option** item is set to **[A: then C:]**.

BACKUP YOUR HARD DISK

Hard disk drives do die. Sometimes data recovery specialists can rescue files and sometime they can't. While hard disk drives are getting more reliable, the possibility of failures is still there, especially for mobile users who may drop the unit while it is in operation. Consequently, you should make a habit of regularly backing up the information on your [FX 8-7] hard disk. Refer to Windows 95 documentation, or to on-line Help for instructions.

Consider using the System backup reminder that is built into your WinBook FX. Go to the **Security** menu of the Setup Program. (Refer to Chapter 9, *Using the Setup Program*.) Select the **System backup reminder item**, and use the <+> and <-> keys to set the frequency with which the reminder message will appear. Consider **Weekly** or **Monthly** depending on how much you use your WinBook FX and how often you travel with it. The reminder message will appear whenever you boot your WinBook FX.

WARNING: If your WinBook FX does take a heavy mechanical shock while in operation, be sure to use the Window 95 ScanDisk utility to check for damage. If ScanDisk reports loss of data, call Technical Support at the number listed on the "Read-Me-First" card that came with your WinBook FX.

[FX 8-8]

[FX Chapter 9](#)

CHAPTER 9: USING THE SETUP PROGRAM

INTRODUCTION

The Setup Program is part of your WinBook FX's ROM BIOS (Read-Only-Memory Basic Input/Output System). The ROM BIOS, or BIOS as it is usually called, is neither hardware nor software—it's firmware. This is software that is stored in chips that the CPU reads when it starts up. The BIOS firmware creates a standard environment for different operating systems like Windows 95 and DOS.

The Setup Program allows you to modify settings in the BIOS and configure your WinBook FX for things such as:

- Hard drives, floppy disk drives, and CD-ROM drives
- Video display options
- Password protection
- Power management features

The WinBook FX stores these settings in a non-volatile battery backed-up part of memory called NVRAM (Non-Volatile Random Access Memory) or battery backed-up CMOS (Complimentary Metal Oxide Silicon) RAM. This means that even if you lose all power to your WinBook FX, these settings (which include the current time and date) will not be lost.

The settings made in the Setup Program intimately affect how the WinBook FX performs. If you are considering changing your system's configuration, it is important to first to try to understand all the Setup's options, and second, to make settings appropriate for the way you use your WinBook FX.[FX 9-2]

We programmed a standard configuration in the Setup Program. You may not need to change the standard program, but we recommend that you read this chapter just in case you need to make any changes in the future.

The next section discusses how to move around in the Setup Program, and how to specify and save your new settings, followed by a brief discussion of the optional settings with the submenus.

USING THE SETUP PROGRAM

We designed the menu-driven Setup Program to make it easy to use. You can scroll through the various menus and make your selections among the displayed options.

When turning on the WinBook FX for the first time, you may get a message prompting you to run the Setup Program. A warning message may appear on the screen that the hardware configuration is changed or that the Power-On Self Test (POST) fails. The screen message will inform you of any errors or invalid settings and prompt you to run the Setup Program to correct the problem.

Even if the computer does not prompt you with a message instructing you to use the Setup Program, at some time in the future you may want to change the configuration of your computer.

For example, you may want to connect a peripheral or make changes to the power management settings. It will then be necessary to reconfigure your system using the Setup Program so that the WinBook FX can recognize these changes.[FX 9-3]

WHEN TO USE THE SETUP PROGRAM

You should run the Setup Program under the following conditions. Note that these are only a few examples and this is not a complete list.

- You have set up the computer for the first time and you get a message stating that you should run the BIOS Setup Program.

- You added or removed memory (RAM).

- You want to redefine the communication ports to prevent any conflicts

- You want to make changes to the Power Management configuration.

- You want to change the password or make other changes to the security setup.

ACCESSING THE SETUP PROGRAM

To access the Setup Program: Press the <F2> key after the WinBook FX is through its POST (Power-On Self Test). You'll know POST is over after you see the memory test information on the screen.[FX 9-4]

The top of the Setup screen will display the Menu Bar as shown here.

The Menu Bar

Setup Program options are summarized in Appendix B.

Main:Use this menu to make changes to the basic system configuration.

Advanced:Use this menu to enable and make changes to the advanced features available on your system.

Security:Use this menu to set passwords for both a User and a Supervisor, and to enable backup and virus check reminders.

Power: Use this menu to configure and enable power management savings features.

Exit:Use this menu to exit the current menu or specify how to exit the Setup Program.

To access the Menu Bar items, you can use the arrow keys to highlight the desired item, then press <Enter>.

The Legend Bar

The Legend Bar is located at the bottom of the Setup screen. The keys in the Legend Bar allow you to navigate through the various Setup menus.

The table that follows lists the keys found in the Legend Bar with their corresponding alternates

and functions.[FX 9-5]

F1 Help &σηψ; ↓ Select Item -/+ Change Values F9 Setup Defaults

Esc Exit Select Menu Enter Select Sub Menu F10 Previous Values

Setup Program Keys

Legend Key	Function Key
<F1>	Displays the General Help window
<ESC>	Exits the current menu
Down arrow	Go to the next line
Up arrow	Go to the previous line
+ / -	Change options for the current field
<Tab>	Go to next item on the line
<Shift> + <Tab>	Go to previous item on line
<Enter>	Selects option or submenu
<F9>	Sets the parameters for the current menu to their default values
<F10>	Sets the parameters for the current menu to their previous values

[FX 9-6]

LAUNCHING SUBMENUS

Note that a pointer symbol appears to the left of certain fields. This pointer indicates that you can launch submenus from this field. A submenu contains additional options for a field parameter.

To call up a submenu: Move the cursor to highlight the field and press the <Enter> key. The Submenu immediately appears. Use the legend keys to enter values and move from field to field within a submenu just as you would within a menu.

Take some time to familiarize yourself with each of the legend keys and its corresponding functions. Practice navigating through the various menus and submenus. Be careful that you don't accidentally make unwanted changes to the current configuration.

ITEM SPECIFIC HELP

While moving around through the Setup Programs, note that explanations appear in the Item Specific Help window located to the right of each menu. This window displays the Help text for the field that you highlighted.

GENERAL HELP

In addition to the Item Specific Help window, the Setup Program also provides a General Help screen. This screen can be called up from any menu by simply pressing <F1>, or the <Alt> + <H> key combination. The General Help screen lists the legend keys with their corresponding alternates and functions.

When a scroll bar appears to the right of a Help window, this indicates that the screen has information to display that does not fit in the window. Use the <PgUp> and <PgDn> keys or the up and down arrow keys to scroll through the entire Help document. Press <Home> to display the first page, or press <End> to go to the last page. To exit the Help window, press the <Enter> or the <Esc> key.[FX 9-7]

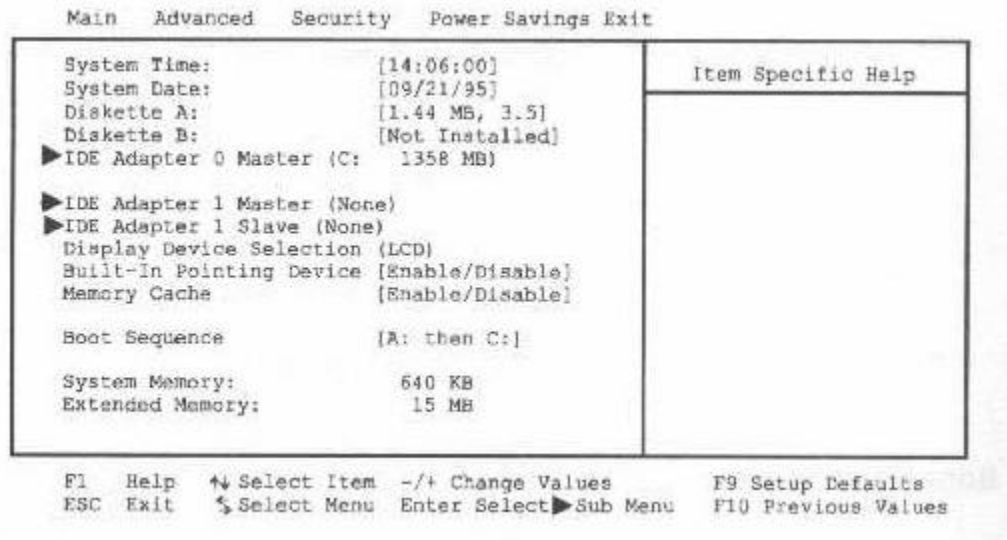
THE MAIN MENU

MAIN MENU FIELDS

- System Time
- System Date
- Diskette A
- Diskette B

- IDE Adapters
- Display Devices Selection
- Memory Cache
- Boot Sequence
- System Memory
- Extended Memory

When you enter into the Setup Program, the display shows the following screen:



This is the Main menu of the Setup Program. You can make changes to the WinBook FX's system configuration from this menu.

Main Menu Fields: Each of the fields in the Main menu is discussed below:

System Time

Sets your system to the time that you specify (usually the current time). The format is hour, minute, and second. Insert the appropriate information. Use the <tab> key to move between the hour, minute, and second fields.

System Date

Sets your system to the date that you specify (usually the current date). The format is month, date, and year. Type in the appropriate information. Use the <tab> key to move between the month, day, and year fields. [FX 9-8]

Diskette A

Indicates the drive type installed as Floppy Drive A. Defaults to 3.5 inch, 1.44MB drive.

Diskette B

Indicates the drive type installed as Floppy Drive B. Defaults to "Not Installed".

IDE Adapters

IDE Adapters: Note that the Main menu contains 3 IDE Adapter fields. Each of these fields calls up a submenu.

Your WinBook FX has the capability of supporting 4 different IDE devices. The internal hard drive is normally set to the Primary Master (0) drive. The internal CD-ROM drive, if installed, is always a slave to the internal hard drive. So if the internal hard drive has been set to the Primary Master, the internal CD-ROM must be the Primary Slave. At the factory, we set the internal hard

drive as primary master and default since this is the only way, which allows you to boot from a hard drive.

Since you cannot configure the internal CD-ROM device separately from the internal hard drive device, we do not provide a configuration field for this.

Each of the other 2 submenus configures the IDE Adapter 1 Master and Slave devices. Although these are never installed in the WinBook FX, they may be installed in the docking station at some point, so we will give you the configuration option to support this.

WARNING: Incorrect settings can cause your system to malfunction. Before attempting to configure a hard disk drive, make sure you have the configuration information supplied by the manufacturer of your hard drive.[FX 9-9]

IDE Adapter Submenu

IDE Adapter 0 Master (C:1358 MB)		Item Specific Help
Autotype Fixed Disk:	[Press Enter]	Attempts to automatically detect the drive type for drives that comply with ANSI specifications.
Type:	[Auto] 1358 MB	
Cylinders:	2633	
Heads:	16	
Sectors/Track:	63	
Write Precomp:	None	
Multi-Sector Transfers	16 Sectors	
LBA Mode Control:	Enabled	
32 Bit I/O	[Disabled]	
Transfer Mode:	Fast PIO4	

F1 Help F4 Select Item +/- Change Values F9 Setup Defaults
ESC Exit \$ Select Menu Enter Execute Command F10 Previous Values

IDE Adapter Submenu Fields:

Autotype Fixed Disk

This field automatically configures an IDE type drive. Pressing <Enter> causes the system to attempt to automatically detect the drive type. If successful, the program fills in the correct value for the remaining fields in this submenu.

NOTE: Always use the Autotype Fixed Disk feature. This feature automatically enters the correct settings for your hard disk drive. Since this feature sets all of the parameters, there is no need to change any parameters on this screen. Since all drives shipped with the WinBook FX support the Auto IDE detection system, we recommend that you always use the Auto selection.

Type

If you know the correct drive type for your hard disk drive, enter the number (1-39 in this field. Entering your drive type causes the program to fill in the correct values for the remaining fields

in this submenu with the correct values for the predefined disk type.[FX 9-10]

To configure a drive that is not one of the 39 standard drive types, specify **User**. Manually enter the number of cylinders, heads sectors per track and write precomp for your drive. Refer to your drive's documentation or look on the drive if you need to obtain this information.

NOTE: Autotype identifies your hard drive type. If you do not have the documentation that came with your hard disk, try to use the Autotype Fixed Disk option as described on the previous page.

If you have no drive installed or if you are removing a drive and not replacing it, select **None**.

Cylinders

This field configures the drive's number of cylinders. Refer to your drive's documentation, or look on the drive to determine the correct value to enter for the field. To make changes into this field, you must set the Type field to **User**.

Heads

This field configures the drive's number of read/write heads. Refer to your drive's documentation, or look on the drive to determine the correct value to enter for this field. To make changes to this field, you must set the Type field to **User**.

Sectors/Track

This field configures the drive's number of sectors per track. Refer to your drive's documentation, or look on the drive to determine the correct value to enter for this field. To make changes to this field, you must set the Type field to **User**.

Write Precomp

Refer to your drive's documentation, or look on the drive to determine the correct value to enter for this field. To make changes to this field, you must set the Type field to **User**.[FX 9-11]

Multi-Sector Transfers

This option automatically sets the number of sectors per block to the highest number supported by the drive. You can also configure this field manually.

To make changes to this field, you must set the Type field to **User**. Configuration options are shown below. The default value for this field is **16 Sectors**.

- Disabled
- 2 Sectors
- 4 Sectors
- 8 Sectors
- 16 Sectors

LBA (Logical Block Access) Mode

When enable, this option uses 28-bit addressing of the hard drive without regard for cylinders, heads, and sectors. Note that Logical Block Access may decrease the access speed of the hard disk.

To make changes to this field, you must set the Type field to **User**. Configuration options are shown below. The default value for this field is **Enabled**.

Disabled
Enabled

32-Bit I/O

When you enable this option, it increases the speed of communication between the CPU and IDE. Configuration options are shown below. The default value for this field is **Disabled**.

Disabled
Enabled

[FX 9-12]

Transfer Mode

This field allows you to select the method for transferring data between the hard disk and system memory. If the system has successfully detected the drive automatically, you will not need to adjust the field.

To make changes to this field, you must set the Type field to **User**. Configuration options are shown below. The default value for this field is **Fast PIO4**.

Standard
Fast PIO1
Fast PIO2
Fast PIO3
Fast PIO4

Leaving the IDE Adapter Menu

After using the legend keys to make your selections for the IDE Adapter submenu, press the <Esc> key to exit back to the Main menu. When the Main menu appears, you will notice that the drive letter and the drive size appear in the IDE adapter field for the hard drive you just configured. Follow the above instructions to configure the other hard drives in your system. Use a separate submenu for each drive.

THE MAIN MENU CONTINUED

Display Device Selection

You can use this Main menu field to choose which display device you want to use.

Configuration options are shown below. The default value for this field is **LCD**. (See note on next page regarding the LCD & CRT option.)

LCD
CRT
LCD & CRT

[FX 9-13]

NOTE: When you put the system in LCD & CRT mode, sometimes referred to as the Simulscan mode, the display performance will slow slightly since the system has to update both screens at the same time. There for, for maximum performance, use one display or the other unless you really need to use both displays at the same time.

Memory Cache

This option allows you to enable an external memory cache. A memory cache improves system performance by keeping frequently used computer instructions in memory with a faster access time than DRAM.

To enable the WinBook FX's memory cache, specify Enabled for this setting. The default value for this field is **Enabled**.

The only time you might want to disable the cache is under the following conditions:

Operating the WinBook FX at high speed with cache enabled causes problems (instability and incompatibility with other operating systems, etc.).

A program's documentation specifies that you must disable the computer's memory cache.

Note that a memory cache is different from a disk cache. A disk cache is used to speed up access to the disk drives; whereas, a memory cache is used to speed up accesses to DRAM.[FX 9-14]

Boot Sequence

This field allows you to set the booting sequence of the WinBook FX. You can choose one of the 3 settings below. The default value for this field is **A: then C:**.

A: then C:

When "A: then C:" is specified, the system will attempt to boot from drive A: first. If drive A: is empty or a non-system floppy disk is present in the floppy drive, the system will boot from the C: drive.

C: then A:

When "C: then A:" is specified, the system will attempt to boot from the C: drive first.

C: only

When "C: only" is specified, the system will attempt to boot from the C: drive only.

CD-ROM

When "CD-ROM" is specified, the system will boot from a CD-ROM, providing that the CD-ROM has been set up to include a system boot partition.

System Memory

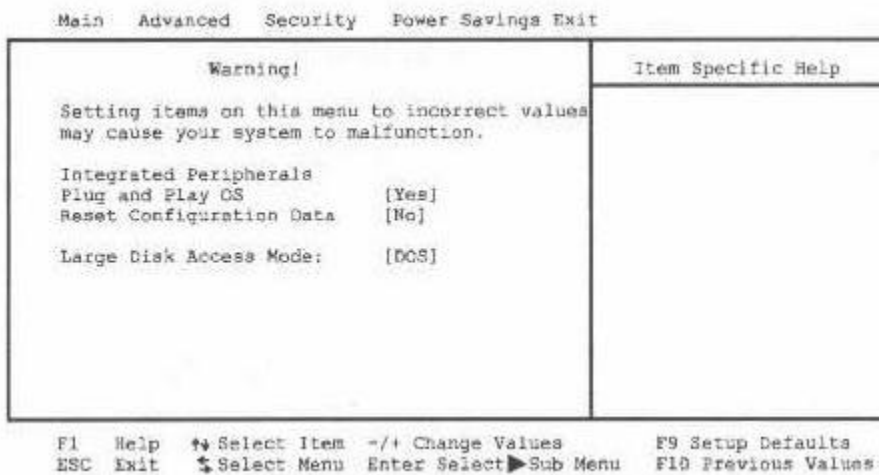
This field displays the amount of conventional memory detected by the system during boot-up. You do not need to make changes to this field. This is a display-only field.

Extended Memory

This field displays the amount of extended memory detected by the system during boot-up. You do not need to make changes to this field. This is a display-only field.[FX 9-15]

THE ADVANCED MENU

Selecting **Advanced** from the Menu Bar displays the Advanced menu. The Advanced menu contains 4 fields as shown below.



ADVANCED MENU

FIELDS

- Integrated Peripherals
- Plug and Play OS
- Reset Configuration Data
- Large Disk Access

Integrated Peripherals

Pressing the <Enter> Key when the Integrated Peripherals field is highlighted calls up the following submenu.

Advanced		Item Specific Help
Integrated Peripherals		
Modem:	[COM3]	Set COM port address.
Serial Port:	[COM1]	
IR Port:	[COM2]	
Parallel Port Address:	[LPT1]	
Parallel Port Mode:	[Output Only]	
On-board IDE adapter:	[Primary]	
On-board Audio Chip:	[Enabled]	
IRQ Channel:	[5]	
DMA Channel Low:	[DMA CH1]	
DMA Channel High:	[DMA CH5]	
I/O Channel:	[220h]	

F1 Help ↕ Select Item -/+ Change Values F9 Setup Defaults
 ESC Exit ↵ Select Menu Enter Select ▶ Sub Menu F10 Previous Values

[FX 9-16]

Integrated Peripherals submenus:

The Integrated Peripherals submenu allows you to configure the WinBook FX's parallel and serial ports. Each field on this submenu is covered below.

Modem

This field allows you to set the WinBook FX's modem for a particular COM port. The available options are listed below. The default for this field is **COM3**.

- COM1
- COM2
- COM3
- COM4

Serial Port

This field allows you to assign a COM port to the Serial Port. The available options are listed below. The default for this field is **COM1**.

- COM1
- COM2
- COM3
- COM4

Infrared Port

This field allows you to assign a COM port to the Infrared Port. The available options are listed below. The default for this field is **COM2**.

- COM1
- COM2
- COM3

COM4

[FX 9-17]

Parallel Port Address

This field allows you to assign an LPT Port to the Parallel Port. The available options are listed below. The default for this field is **LPT1**.

LPT1
LPT2
LPT3
Disabled

Parallel Port Mode

This field sets the mode of the Parallel Port. The available options are listed below. The default for this field is **Output Only**.

Output Only
Bi-directional
ECP

On-Board IDE Adapter

This field sets the IDE status for the on-board IDE adapter. The available options are listed below. The default for this field is **Primary**.

Primary
Secondary
Disabled

On-Board IDE Audio Chip

This field allows you to enable or disable the on-board audio chip. The available options are listed below. The default for this field is **Enabled**.

Enabled
Disabled

[FX 9-18]

IRQ Channel

This field allows you to set the interrupt channel for the on-board audio chip. The available options are listed below. The default for this field is **5**.

5
7
9
10

DMA Channel Low

This field sets the High DMA channel for the on-board audio chip. The default for this field is **DMA CH5**.

[220h]

[240h]

[260h]

[280h]

[FX 9-19]

Advanced Menu Fields Continued

Plug and Play OS

This field allows the WinBook FX's operating system to identify hardware when it is installed. When the operating system identifies the newly installed device, it makes changes to the WinBook FX's Setup and selects appropriate drivers for that device. The default value for this field is **Yes**. If you are using Windows 95, you should set this field to **Yes**. For all other operating systems, set this field to **No**.

Reset Configuration Data

This field allows you to clear the system configuration data. The default for this field is **No**.

No

Yes

WARNING: Resetting the configuration data will clear all the preset configurations for the WinBook FX. This could cause your system to malfunction. **DO NOT USE THIS FEATURE** unless instructed to do so by Technical Support.

Large Disk Access Mode

If you are using a hard disk with a capacity larger than 528MB, you can indicate the drive's cylinder, head, and sector arrangement to the operating system you are using.

Set this field to **DOS** if you are using MS-DOS, Windows, or OS/2. Select **Other** if you are using a different operating system. **DO NOT** change this field after you have formatted and partitioned the hard disk drive. The default for this field is **DOS**.

DOS

Other

[FX 9-20]

THE SECURITY MENU

The WinBook FX's advanced system of security allows you to set 2 different passwords to prevent unauthorized access to system resources, data, and the Setup Program. From this menu you can also enable a boot password, diskette access password, a system backup reminder and a virus check reminder. Further, you can assign a separate password to restrict access to the Setup Program. This section covers each parameter of the Setup Security menu.

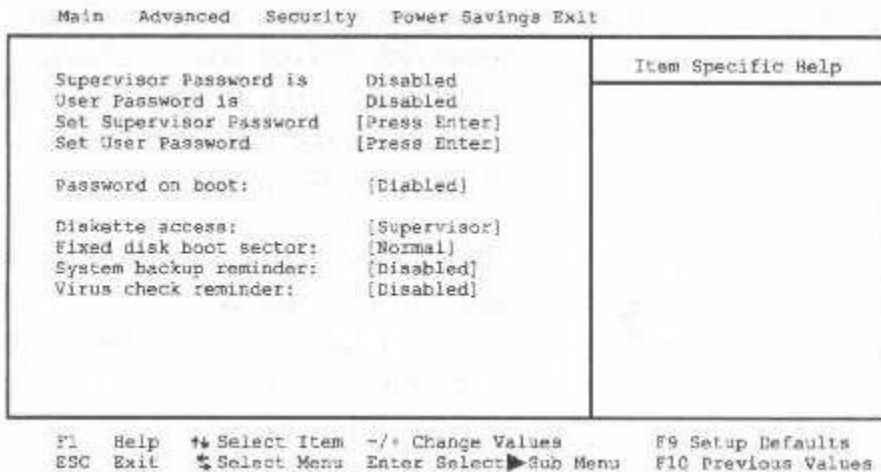
WARNING: Write down your password. If you lose your password, you will be locked out. There is no way to clear or retrieve passwords once they are saved. If you lose your password, you must send the WinBook FX in for service in order to unlock the password.

Passwords interrupt automatic boot-up procedures. If you use your WinBook FX in a way that requires 24-hour operation-for instance, if you dedicate the system as a 24-hour fax machine-adding passwords for boot-up or for users will interrupt an automated boot-up that would normally lead to fax software being enabled. If the system should reboot or reset, the WinBook FX would not automatically return to the desired application.[FX 9-21]

SECURITY MENU FIELDS

- Supervisor Password
- User Password
- Set Supervisor Password
- Set User Password
- Password on Boot
- Diskette Access
- Fixed Disk Boot Sector
- System Backup Reminder
- Virus Checker Reminder

Selecting **Security** from the Menu Bar displays the following menu.



Each field of the security menu is described below.

Passwords

The Setup Program allows you to specify 2 separate passwords, a Supervisor password and a User password.

Passwords are not case sensitive so you can enter a password using either upper or lower case letters.

Supervisor Password

When enabled, the Supervisor password is required for entering the Setup Program. This is a display-only field.

User Password

When enabled, the User password restricts access o the Setup Program. This is the display-only field.[FX 9-22]

Set Supervisor Password

This field allows you to set the Supervisor password. To set the Supervisor password, highlight the field and press the <Enter> key. The following dialog box appears:

Set Supervisor Password
Enter new Password: []
Re-enter new []
Password :

Type the password and press the <Enter> key. You can type up to 7 alphanumeric characters. The system ignores symbols and other keys.

To confirm the password, type the password again and press the <Enter> key. The Supervisor password is now set. This password allows full access to the Setup Program menus.

WARNING: Write down your password. If you lose your password, you will be locked out. There is no way to clear or retrieve passwords once they are saved. If you lose your password, you must send the WinBook FX to us for service in order to unlock the password.

Set User Password

This field allows you to set the User password. To set the User password, follow the same procedures as those for setting the Supervisor password. The User password allows restricted access to the Setup Program. This password also requires that the Supervisor password be set prior to resetting the User password.

Password on Boot

When this option is enabled, the system will require a password before boot-up. This option requires prior setting of the Supervisor password. The options for this field are listed below. [FX 9-23]The default value for this field is **Disabled**.

Disabled
Enabled

NOTE: This field entry affects booting. If "Password on Boot" is disabled and the Supervisor password is enabled, the Setup Program assumes the User is booting.

Diskette Access

The diskette access field allows you to restrict the use of the Floppy Disk Drive. The default value for this field is **Supervisor**.

Supervisor
User

When set to Supervisor, the use of floppy drive is restricted to the Supervisor. This option requires setting the Supervisor password.

When set to User, both the User and the Supervisor have access to floppy drives.

If the field is set to Supervisor, and the User password is enabled, the user must enter the Supervisor password in order to boot from the floppy disk drive.

NOTE: Why use a diskette access password? You can set up a computer with programs such as Disk Lock, which encrypt the data on your hard disk so that others cannot access it. However, it is possible to get around this encryption if someone boots from floppy disks and copies files from your hard disk to the floppy disk. Also, the most common way to pick up a computer virus is through a contaminated floppy disk. A password protecting floppy disk access is a good way to protect your system.[FX 9-24]

Fixed Disk Boot Sector

This field allows you to write-protect the hard disk boot sector to help prevent viruses. The options for this field are listed below. The default value for this field is **Normal**.

Normal
Write-protect

WARNING: Write-protecting the boot sector can protect your system from "boot sector viruses" which are the most common type of viruses. Boot sector viruses are commonly passed by sharing floppy disks with a contaminated system. As soon as you access the disk, the virus will copy itself to the boot sector of your hard disk. From then on, each time you boot your system, the virus will be activated.

Boot sector viruses have a wide range of negative affects on your system, from displaying an annoying message at boot time to totally corrupting your data and files so they are no long readable. Note that this type of virus can be passed through files downloaded from BBS, World

Wide Web, and the Internet.

System Backup Reminder

This field allows you to enable a system backup reminder. When enabled, a message is displayed during boot-up asking if you have backed up the system. The options for this field are below. The default value for this field is **Disabled**.

- Disabled
- Daily
- Weekly
- Monthly

[FX 9-25]

If you specify **Daily**, the computer displays the message on the first boot of the day. If you specify **Weekly**, the system displays the message on the first boot after Sunday. When you specify **Monthly**, the system displays the message on the first boot of the month. The message will return each time you boot until you respond with "Y".[FX 9-26]

POWER SAVINGS MENU

The Power Savings menu of the Setup Program allows you to enable and adjust to the WinBook FX's sophisticated power saving features. Enabling these features will extend the life of the battery pack between charges.

To make changes to power management settings, select Power Savings from the Menu Bar. The following menu will appear.

Main Advanced Security Power Savings Exit		
Power button mode:	[Power]	Item Specific Help Select Power button functionality. Suspend Button: on/suspend/off(delay 2 sec.) Power Switch: on/off
PM Control:	[DN]	
Power Savings:	[Max Bat Life]	
Standby Timeout:	[2 min]	
Suspend Timeout:	[Off]	
Suspend to:	[RAM]	
Hard Disk Timeout:	[2 min]	
Video Timeout:	[2 min]	
Resume on Ring:	[Off]	
Resume on Time:	[Off]	
Resume Time:	[hh:mm:ss]	
Suspend on Low Battery:	[Off]	
Auto Dim:	[On]	

F1 Help ↑ Select Item -/+ Change Values F9 Setup Defaults
ESC Exit ↓ Select Menu Enter Select ► Sub Menu F10 Previous Values

POWER SAVINGS MENU FIELDS

- Power Button Mode
- PM Control
- Power Savings

Power Button Mode

This field allows you to choose what function the power button will have. The options are listed below. The default is **Power Switch**.

Power Switch
Suspend Button

If you choose Power Switch, then the power button will have only ON and OFF modes. In Power Switch mode, you press the switch once to [FX 9-27] turn on the system, and then again to turn off the system. If the system hangs, that is, does not respond to the keyboard, you may have to press the switch down for 2 seconds or longer to turn off the system.

If you choose Suspend Button, then the power button will have OFF, SUSPEND, and ON modes with a 1.5 second delay between modes. In Suspend Button mode, if the system is OFF, a press of the switch will turn the system ON. If the system is ON and you press the switch, the system will be put into Suspend mode. To go directly from ON to OFF, simply hold down the button for more than 2 seconds. The advantage of this mode is that it gives you a quick way to enter Suspend mode.

PM Control

This field allows you to select when Power Savings is enabled. The options for this field are listed below. The default value is **ON**.

OFF
DC
ON

If you choose OFF, the computer disables power management. If ON is selected, then power management is enabled at all times. If you select DC, the computer enables power management only when the computer is using battery power. This setting has the advantage of providing maximum performance while the WinBook FX is powered by AC power, while giving good battery life when disconnected from AC power.[FX 9-28]

Power Savings

This field allows you to set power management features with predefined values. The available option for this field is listed below. The default value is **Maximum Battery Life**.

Maximum Battery Life
Maximum Performance
Media
Customize

Maximum Battery Life

When you specify this field as Maximum Battery Life, the system sets the remaining fields on this menu to predefined values that ensure maximum power savings. However, you may see some difference in performance.

Maximum Performance

When you specify Maximum Performance, the computer sets the remaining fields on this menu to predefined values that ensure the best system performance. Using this selection will reduce your battery life between battery charging sessions.

Media

When you specify Media, the computer sets the remaining fields so they are optimized for multimedia applications such as CD-ROM video and audio playback or multimedia presentations. This selection will reduce your battery life between battery charging sessions.

Customize

The Customize setting allows you to make your own custom selections from the following fields:

Standby Timeout

This field allows you to specify how much time of inactivity must elapse before the system automatically activates the Standby mode. In Standby mode the computer turns off all inactive devices, and the system enters a low power CPU state. [FX 9-29] The default value for this field is **2 min.** When Power Savings is set to Customize, you can select:

- OFF
- 10 min.
- 2-30 min.

Suspend Timeout

This field determines how much system idle must pass before the system enters Suspend mode. When you specify OFF, the system will not automatically suspend when there is a

period of inactivity. However, you can still manually Suspend with the Windows Suspend icon by pressing the <Fn> + <F4> keys. The default value for this field is **off**. When Power Savings is set to Customize, you can select:

- OFF
- 10 min.
- 2-30 min.

Suspend To

This field allows you to specify the type of Suspend the system enters when you press the Suspend/Resume button. There are actually 2 levels of Suspend: **Suspend to Ram** and **Suspend to Disk**. The default is **RAM**.

- RAM
- Disk

Suspend to RAM

This mode saves power by turning off the power of the CPU and DMA clocks, turning off the video, and turning off all controllable peripheral devices. As a method of power conservation, Suspend to RAM operates faster than Suspend to Disk. Using this method also allows the WinBook [FX 9-30] FX to resume operation if the modem detects an incoming phone call or if a scheduled alarm takes place. You can also use this mode if you need to swap the battery while using your WinBook FX.

Although the WinBook FX draws more power when it suspends to Ram, a fully charged battery should be able to support the WinBook FX for a few days in the Suspend to RAM mode.

Suspend to Disk

This mode provides the greatest power saving capabilities by essentially turning off the system. In this mode, the system turns off all logic except for the system wake-up circuitry and battery charger. During this Suspend mode, the computer saves the DRAM and video memory to the hard disk, and restores the values from their memory when the system resumes.

As a method of power conservation, Suspend to Disk operates more slowly than Suspend to RAM. Using this method does not allow the WinBook FX to resume operation if the modem detects an incoming phone call or if a scheduled alarm takes place. The WinBook FX draws less power than if it had suspended to memory, so a fully charged battery should be able to support the WinBook FX for up to a month in the Suspend to Disk mode.

Hard Disk Timeout

This field allows you to specify the period of inactivity the WinBook FX requires before the hard disk turns off and enters the standby state. This method of power conservation allows you to operate the WinBook FX for longer periods of time between battery charge sessions. If you enter a lesser value in this field, the hard disk shuts down sooner when it is idle, so it consumes less power. [FX 9-31] The default value for this field is **2 min.** When Power Savings is set to Customize, you can select:

- OFF
- 6 min.
- 2-14 min.

Video Timeout

This field allows you to specify the period of inactivity required before the screen enters the standby (off) state. This method of power conservation allows you to operate the WinBook FX for longer periods of time between battery charges. If you enter a lesser value in this field, the display shuts down sooner when it is idle, so it consumes less power.

This setting also conserves the amount of time that the display's backlight is illuminated. Shutting down the display when you are not using it can add years to its lifetime. The default value for this field is **2 min.** When Power Savings is set to Customize, you can select:

OFF
ON

NOTE: If you set your system to Suspend to RAM, the system will be able to resume when the modem detects the phone ringing. If you set your system to Suspend to Disk, you will not be able to resume when the phone rings.

Resume On Time

This field allows the option to specify a time for the system to resume. The possible options are below. The default value for this field is **OFF**.

OFF
ON

NOTE: If you set your system to Suspend to RAM, the system will be [FX 9-32] able to resume when the alarm time occurs. If you set your system to Suspend to Disk, you will not be able to resume when the alarm time occurs.

Resume Time

This option allows you to set a Specific time for the system to resume. Enter the time in hours, minutes, and seconds.

NOTE: The alarm time allows only hh:min:sec fields and does not specify a date or month. This means that when you set the alarm time, your system will resume automatically at the preset time every day until you disable this function. This can be handy if you want your system to wake up at the same time every day before you begin your work.

Suspend on Low Battery

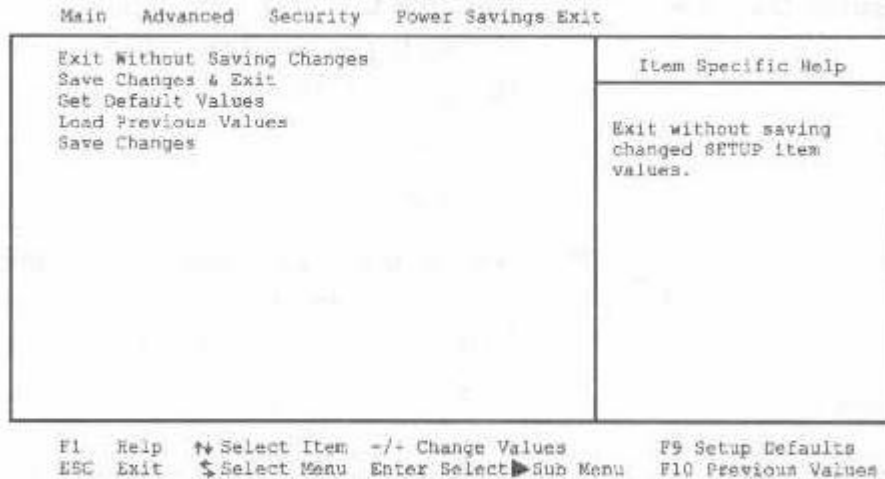
When selected, this option causes the system to go into Suspend when it detects that there is less than 10% of a full charge left in the battery. The default for this field is **OFF**.

Auto Dim

When selected, this option causes the display to dim whenever it is working off the battery. The default for this field is **ON**. [FX 9-33]

THE EXIT MENU

Once you have made all of your selections from the various menus in the Setup Program, you should save your changes and exit the Setup Program. Select Exit from the Menu Bar to display the following menu.



Pressing the <Esc> key does not exit this menu. You must select one of the options from this menu or a Menu Bar item to exit.

EXIT MENU FIELDS

- Exit Without Saving Changes
- Save Changes and Exit
- Get Default Values
- Load Previous Values
- Save Changes

Exit Without Saving Changes

Only use this option from the Exit menu if you do not want to save the changes you have made in the Setup Program. When the dialog box appears, choose NO to leave the Setup Program without saving your configurations to non-volatile RAM.[FX 9-34]

Save Changes and Exit

Once you are finished making your selections, choose this option from the Exit menu to ensure the values you selected are saved to Non-volatile RAM. The computer must save changes you make to the Setup Program to Non-volatile RAM in order to make them operative. Non-volatile RAM differs from standard RAM memory in that it is sustained by an on-board battery and stays on even when the WinBook FX is turned off.

The next time you boot-up the WinBook FX, the BIOS loads the values saved in non-volatile memory. If these values cause the system boot to fail, reboot and press <F2> to enter the Setup Program. Once in Setup, you can try to change the values that cause the system boot to fail. If the problem persists, load the default values as described below.

If you attempt to exit the Setup Program without saving your changes, the program will prompt you with a message asking if you want to save your changes before exiting.

Get Default Values

This option allows you to load the default values for each of the parameters on the Setup menus. When the dialog box appears, you can now select Save Values and Exit or make other changes before saving the values to Non-volatile RAM.

Load Previous Values

This option allows you to discard the selections you just make and restore the values you previously saved. After selecting this option, the computer updates all selections.

Save Changes

This option saves your selections without exiting the Setup Program. You can return to other menus and make changes. After selecting this option, the computer saves all selections.

[FX 9-35]

[FX Chapter 10](#)

CHAPTER 10: SOLVING PROBLEMS

BEFORE YOU CALL TECHNICAL SUPPORT

Take the following steps before calling Technical Support. You will find the phone number for Technical Support on the "Read-Me-First" card that came with the system.

If you are not the original registered owner, make sure you have the original registered owner's name on hand.

This is an effort on our part to discourage theft and resale of our product.

Look at the nameplate on the bottom of your WinBook FX and copy down the serial number.

List any changes you have recently made to your system including hardware upgrades and additions of software.

Refer to the **Start, Programs** listing under Windows 95.

Prepare a brief description of the problem you are encountering.

FREQUENTLY ASKED QUESTIONS

OPTIMAL BATTERY LIFE

How do I configure my WinBook FX for optimal battery life?

Battery life will vary from user to user depending on how the WinBook FX is used. Configuration of the power management features within the Setup Program of your WinBook FX can help to increase your battery life. Power management settings can be accessed and configured by pressing the <Fn> + <F5> keys together.

The settings for the LCD display, the floppy disk drive, and the hard disk drive are key to extending battery life. Setting them to long – say 10 minutes-will not provide much advantage, but setting them too low can unnecessarily interrupt your work. A setting of 2 or 3 minutes may best [FX 10-5] suit your needs. Feel free to experiment with different settings until a desired configuration is achieved.

You can also add a second battery to your WinBook FX for more battery operating time. If you install the additional battery, you will install it into the Media Bay where your CD-ROM or floppy disk drive is usually installed. If you use the second battery, you will not be able to use the bay for these devices.

BACKING UP DATA

What files should I backup and how do I accomplish this?

The most important files to keep multiple copies of are your own personal files. Maintaining a current backup can prove to be a lifesaver should your hard drive ever experience problems. The easiest way to backup is to save all of your important files in a separate directory (named

BACKUP for example). The next step would be to copy this directory onto one or more floppy disks on a regular basis.

To learn more about backing up your files with Windows 95, follow these steps: Choose the **Start** button, then choose **Help**. Choose the **Index** tab and type **backup agent**. Choose the **Display** button for more information.

There are a number of other backup software packages available. Contact your local software retailer for more information about Backup Utility software.

MODEM SETUP

Which modem do I select in setting up my communications software?

Upon receiving your WinBook FX, you may need to configure your modem for use by Windows 95. Follow these steps:

Select **My Computer**, **Control Panel**, and **Modem**. [FX 10-6]

Windows 95 will ask whether you are using a PCMCIA modem or not. If you have an internal modem, select **Other**. If you have a PCMCIA modem, select **PCMCIA modem**.

Internal Modem

If you selected **Other** in step 2, you will see another screen about auto detecting. Click on **Next**. Windows 95 will then look for the internal modem and should find it on COM3. Click on **Next** when prompted then click on **Finish**.

Windows 95 will then present you with a screen requesting the driver disk. Put the Modem Driver disk into the floppy drive and click on **OK**. On the next screen, also click on **OK**. On the next screen, again click on **OK**, and the driver will be loaded from the floppy diskette.

Windows 95 will now prompt you to enter your area code if you have not already done this. Enter your phone dialing information now.

Click on **Finish** and the modem will now be installed.

PCMCIA Modem

As above.

As above.

If you selected **PCMCIA modem** in step 2, you will be asked to insert the PCMCIA modem. Insert the card now.

If Windows 95 recognizes the PCMCIA modem card, it will automatically load the driver and present you with a summary screen. Click on **Finish** to complete the installation.

If Windows 95 doesn't recognize the PCMCIA modem card, it will ask you to provide a driver disk. Insert the Windows 95 Modem Driver diskette that came with your modem into the floppy drive and click **OK**. On the next two screens, also click on **OK**. On the next screen, click **OK** and the driver will now install.

Windows 95 will now prompt you to enter your area code if you have not already done this. Enter your phone dialing information now.

Click on **Finish** and the modem will now be installed.[FX 10-7]

MOUSE SETUP

How do I set up an external mouse?

Using the shipping software configuration, both PS/2 and serial mouse pointer would be plug and play, meaning they work automatically. Simply turn the computer off, attach the external mouse, then turn the computer back on.

However, should you install software included with a serial port mouse, you will need to disable the Built-in Pointing Device option located on the Main menu of the Setup Program. Press <F2> while booting your computer. Once the Built-in Pointing Device option is disabled, save the changes, turn the computer off, connect the external mouse, then turn the computer back on.

WINDOWS 95

What are some of the more common issues concerning installing and using Windows 95?

Reinstalling Windows 95: There are certain ramifications you should be aware of if you delete Windows 95 and reinstall it.

You will need to reinstall ALL Windows 95 related programs because the information contained in the Windows 95 initialization files, some necessary DLL files, etc. Will no longer be there.

You must reinstall the utility disks that came with the WinBook FX.

Interlinking (or Laplinking) from another computer: This is NOT a good idea because copying Windows 95 and its related directories and files overwrites utilities, drivers, etc. that are necessary for the WinBook FX to run properly.

DANGER: Don't turn off or boot the WinBook FX while in Windows. Doing so can cause file corruption, lost clusters, cross-linked files, and can actually wipe out the File Allocation Tables, resulting in a total loss of data on your hard disk.[FX 10-8]

VOLUME CONTROL AND SOUND SYSTEM

When I start my WinBook FX, I hear a very loud beep or no sound at all. How can I turn the volume up or down to correct this?

The WinBook FX uses hot keys to control the volume. To turn the volume up, press <Fn> + <F8>. To turn it down, press <Fn> + <F7>.

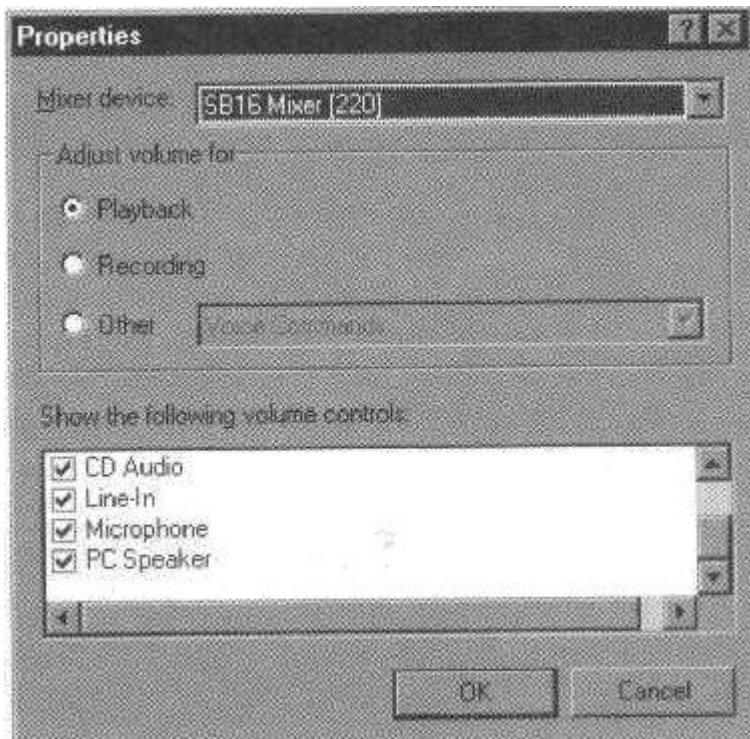
As shipped, your WinBook FX has been set up to support the internal sound system. In most instances no additional configuration is required. If your sound system is not working properly, try the following procedures.

Check that the volume settings for the audio system are correct. The audio controls setting should be set so that when you double-click on the speaker icon at the right side of the Windows 95 Task Bar, you will see all options for audio volume control. The default installation from Creative Labs is with the PC Speaker and Microphone settings all the way down. Double-click

on the **speaker icon** in the Task Bar and the following screen will appear.

[FX 10-9]

Now click on the **Options** selection and select **Properties**. The following screen will appear. Make sure that there is a check mark next to the **Microphone** and **PC Speaker** selections as shown.



Once you have done this, each time you double click on the Speaker icon in the Task Bar, you will see the screen on the preceding page. Be sure to set your Microphone and PC Speaker Volume settings to midrange.[FX 10-10]

Another reason why you might not get audio output is that Windows 95 may not be properly configured. Follow the steps below:

Point to the **My Computer** icon.

Click the right mouse button and choose **Properties**.

Move down the device list, select the + sign next to **Sound, video and game controllers**.

You should see both the Sound Card and Joystick drivers displayed. If there is a problem, a yellow or red symbol will display to the left of the driver name. If this is the case, choose the Properties button at the bottom of the box.

Select the **Driver** tab, then the **Change Driver** button.

Select the **Show compatible driver's** button.

Choose the driver **Creative Labs Sound Blaster 16** or **AWE-32 driver**, and then select the **OK** button.

If the sound system still doesn't seem to be enabled, follow these steps:

Go to **My Computer, Control Panel**, select the **System** icon, then choose the **Device Manager** tab.

In Device Manager, double click on the **Sound, video and game controllers** option. Double click on the **Creative Labs** option which takes you to the Audio Drive Properties screen.

Once in the Properties screen, select the **Resources** tab, and ensure the **Windows 95** has selected the following:

Input/output Range: 0220-022f

Input/output Range: 0380-038b

Interrupt: 05

Direct Memory Access: 01

Direct Memory Access: 05 [FX 10-11]

Once these are verified or changed if necessary, select **OK** to save changes, then **Restart Windows 95** when prompted.

Enter the Setup Program (see Chapter 9, *Using the Setup Program*).

In the **Advanced** menu, verify the **Plug and Play OS** is set to **Yes**.

Go into the **Integrated Peripherals** menu and check that you have not changed the audio port settings from the default values:

On-board Audio Chip: [Enabled]

IRQ Channel: [5]

DMA Channel Low: [DMA CH1]

DMA Channel High: [DMA CH5]

I/O Channel: [220h]

If you continue to have problems with the audio system, one last thing to check before you call Technical Support is the AUTOEXEC.BAT file. You must have the correct parameters loaded into your program in order for your system audio to work correctly. The configuration we whip has this loaded correctly, but installing additional software may have altered this. If you use an editor to open up the AUTOEXEC.BAT file, you should find these values:

```
SET SOUND=C:\PROGRA~1\CREATIVE\AUDIOAPP
```

```
SET BLASTER=A220 I5 D1 H5 P330 T6
```

```
SET MIDI=SYNTH:1 MAP:E
```

You may try the audio again, after changing AUTOEXEC.BAT and resetting the system.

Audio or Microphone Input

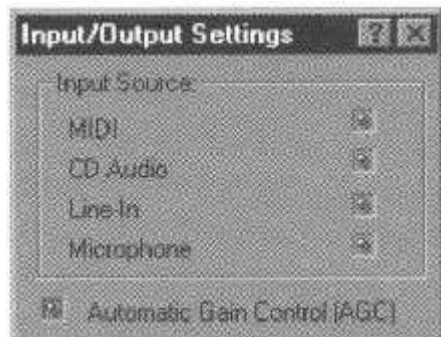
I can get audio output from my system, but it doesn't seem to accept audio or microphone input?

Go through the following screens to make sure you have the audio input set up correctly.[FX 10-12]

The mixer control panel shown below appears when you select **Start, Audio Applications** and **Mixer**.

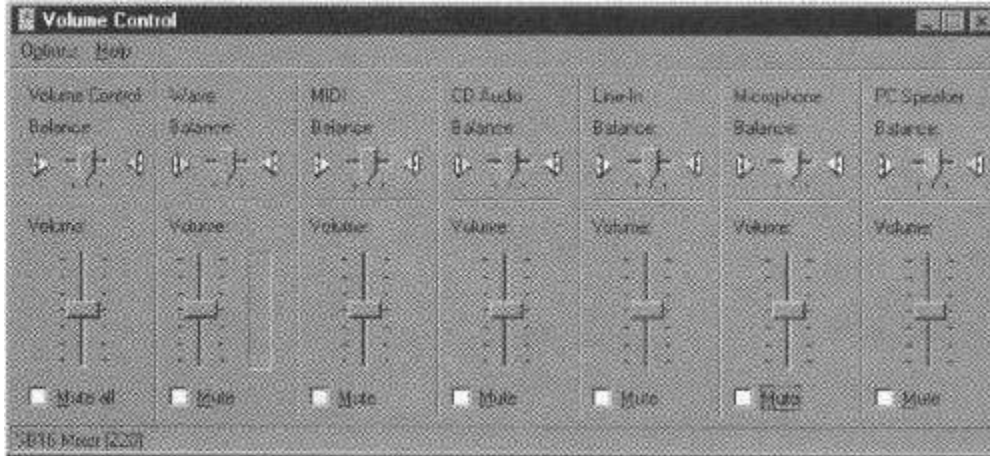


When you click on the upper left corner of the mixer control panel shown above, you get the dialog box shown below that allows you to select Input/Output settings. Click on the AGC control to enable the microphone AGC circuit.



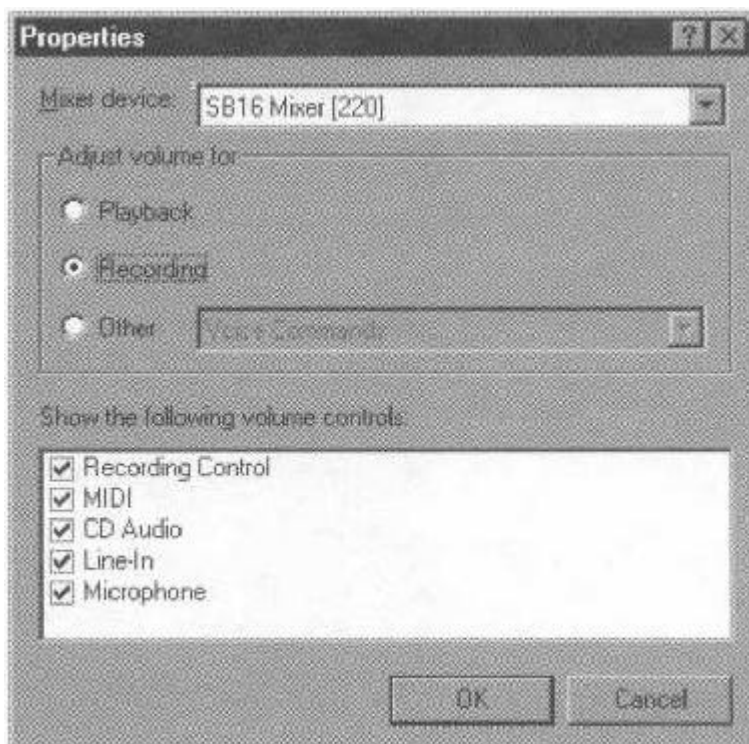
[FX 10-13]

Now double-click on the speaker icon in the Task Bar and you will bring up the Volume Control panel shown below.

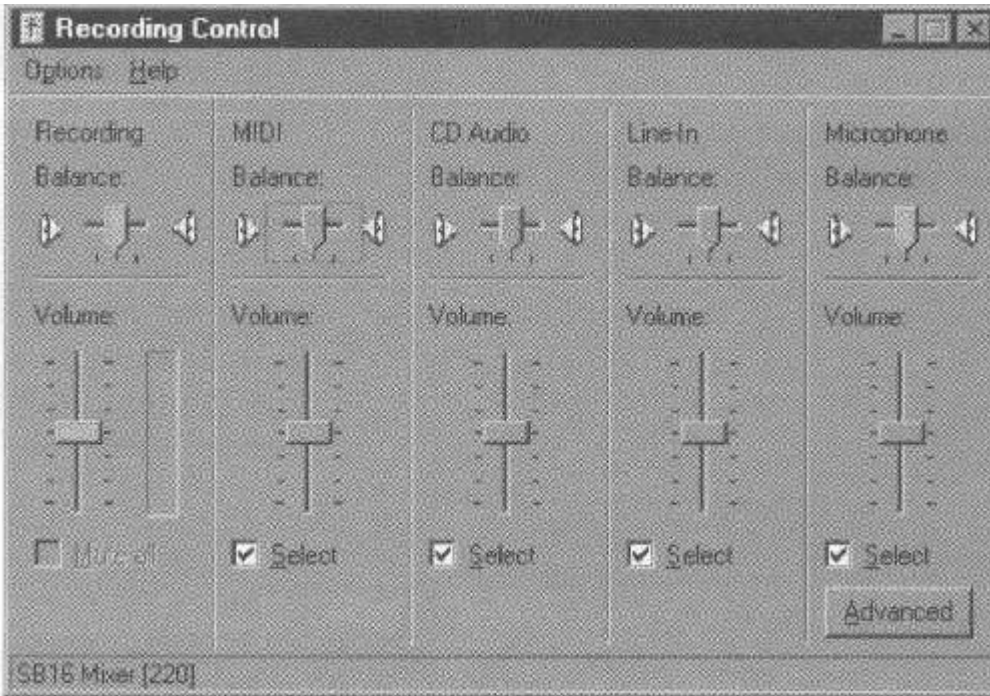


Click on the Options menu on the Volume Control panel above and the following screen will appear.

[FX 10-14]

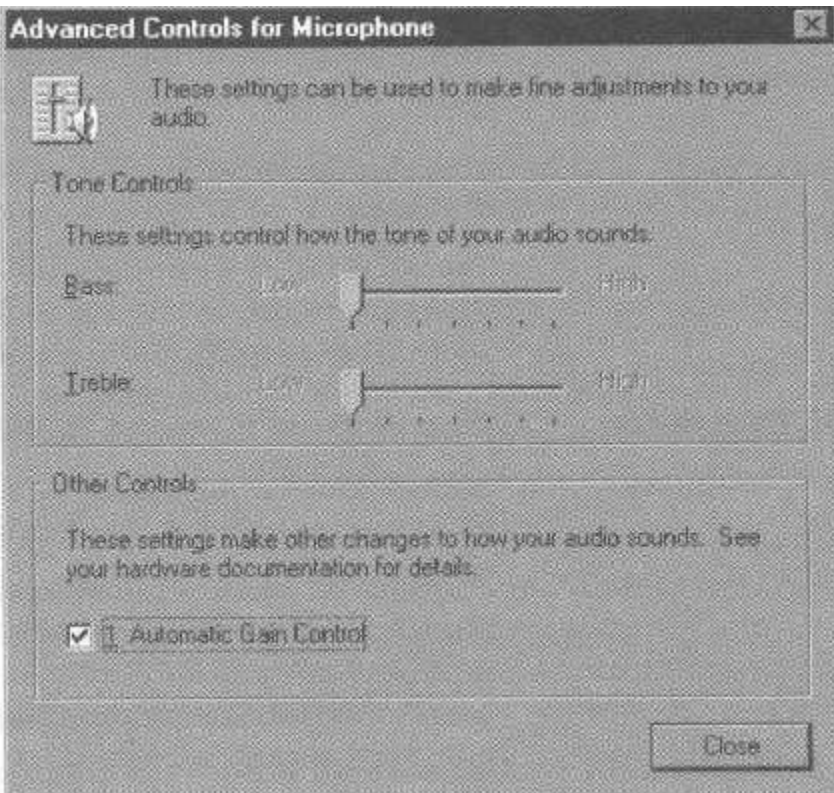


The screen shown above lets you select which volume control that appears when you double click on Volume Control in the Task Bar. If you select **Playback** (normal), then the play back volume control appears. If you click on **Recording**, then the recording volume appears. Put a check mark in all the fields you want to use as a source for recording. In this case, be sure to check **Microphone**. After you close this window, whenever you click on **Volume Control**, you will see the following screen.[FX 10-15]



To complete microphone setup, click on the Advanced button in the screen shown above to bring up the following screen.

[FX 10-16]



Make sure there is a check mark next to the Automatic Gain Control box. You're now done.[FX 10-17]

MICROPHONE FEEDBACK

Why do I get a screeching noise when I try to record into my notebook?

This is the typical microphone feedback problem. Turn down the audio and microphone volume.

DISPLAY CONTROL HOTKEYS

Why don't the contrast and reverse video control hotkeys effect the display?

The active matrix screen has an "Auto Contrast" feature, so this control serves no function on this type of display. The reverse video key doesn't apply to color LCD displays; it works only with monochrome LCDs.

PCMCIA CARD SETUP

What do I need to setup a PCMCIA card?

Most PCMCIA cards will use the 32-bit drivers included with Windows 95. Upon card insertion, the cards will be detected and automatically set up for use.

The WinBook FX uses a Cirrus 6730 PCMCIA controller chip, which is a superset of the Intel 365SL chip, making it fully compatible with the Intel PCIC Controller. Some PCMCIA cards may need additional software to be properly configured.

We have provided CardWorks software with your WinBook FX and Windows 95. Go to **Start**, then **Run**. Type in **C:\CARDWORK\SETUP**, and follow on-screen instructions when prompted. Even though CardWorks includes on-line help; you may want to refer to the WinBook FX PCMCIA *User's Guide* for more details. With DOS 6.22 and Windows 3.11, boot from the WinBook FX Support Disk. Contact Technical Support for further directions.[FX 10-18]

FAST FIXES

- Check Power Inputs
- Restart or Boot
- Properly Install Accessories
- Disconnect External Devices
- Check Setup Program Settings
- Scan For Viruses

Common problems can often be simply solved. Fast Fixes provide steps to try before you proceed to the more specific solutions listed after each problem in the later subsections. We will refer you back to this section when these procedures apply.

CHECK POWER INPUTS

AC Adapter Connection

Proper connection to an AC power source is essential for charging the WinBook FX's battery modules. The AC adapter requires three connections:

Connect the AC Adapter cord to the connector socket on the side of the WinBook FX.
Connect the adapter's supply cord into the adapter.

Connect the adapter's supply cord to an electrical outlet. If power is reaching the adapter, the adapter's green LED will be illuminated.

Battery

You must charge the battery for the WinBook FX to operate on battery power. It takes about 4 hours to fully charge the primary battery with the system off. The WinBook FX should run for at least 2 hours on a fully charged primary battery.

Occasionally it is important to allow the battery to fully discharge before completely recharging it. A complete discharge and recharge is called "cycling" the battery. Not only will this cause your WinBook FX to operate longer on battery power, but it will also extend the battery's total life.

You should perform a battery cycle once every 32 times that you plug the WinBook FX into an AC power source to recharge the battery. The WinBook FX will display a message in the Popup window when it is time to do this. The message will be: BAT 1 (or BAT 2) GAUGE UNSURE! Follow the steps below to cycle the battery.[FX 10-19]

Cycling the Battery

Fully charge the battery for at least 4 hours with the system off.

Turn off all Power Management by using the Setup Program (see Chapter 9, *Using the Setup Program*) or by pressing the <Fn> + <F5> keys at the same time.

Disconnect the AC adapter.

Discharge the battery by keeping the WinBook FX on until the battery is totally discharged. To speed this up, you may want to run your favorite game program in "demo" mode to use more power.

After the system automatically powers off from the low battery charge, fully charge the battery. The battery indicator in the Popup window is now recalibrated and its indication should be reliable.

RESTART OR BOOT

Probably, the most common way to solve simple problems with the WinBook FX is to restart it. Though restarting the WinBook FX can correct problems with operation, you will lose any changes that you make to your files since the last time you saved your work. It's a good idea to save your work at frequent intervals in case you have to restart unexpectedly.

WARNING: If you restart your WinBook FX without saving active files or work that you have recently done, you may lose the data that is stored in system memory. It is advisable to save any work and close all files before you attempt to restart your computer as described below.

There are 4 ways to restart your WinBook FX:

If you are using Windows 95, when you have a problem with an application that is not responding, a dialog box will appear. From [FX 10-20] the list of applications displayed, select the application that is not responding, then click on **End Task**. This will fix the problem in most cases. You can then restart the problematic application without having to turn off your WinBook FX.

If you are in Windows 95 and cannot end the task as described above, press the left Windows key on your keyboard, then select **Shutdown**, then **Restart the Computer**. Follow any instructions that may appear on your screen.

If you are using Windows 95 and the methods above do not work, or you are in MS-DOS only mode, another way to restart your system is to press <Ctrl> + <Alt> + all at the same time.

Use this method when the first 3 fail. Press the ON-OFF switch and hold it down for approximately 2 seconds. Then you can power the system back on by pressing the ON-OFF switch again.

Restarting with the WinBook FX Support Disk: The WinBook FX Support Disk allows you to restart the WinBook FX without using your current operating system or hard disk drive. Call Technical Support for instructions on using the WinBook FX Support Disk. Be sure the Floppy Disk Drive module is installed in the Media Bay before you call Technical Support.

PROPERLY INSTALL ACCESSORIES

If you just installed the CD-ROM drive, Floppy Disk Drive module, or Secondary Battery into the Media Bay, make sure that the exposed edge of the drive is even with the edge of the WinBook FX. If drives are not installed properly, your WinBook FX may not operate properly. If you have recently installed additional memory, check to be sure that the memory expansion card is correctly installed. See Chapter 6, *Upgrading Your WinBook FX* for more information.[FX 10-21]

DISCONNECT EXTERNAL DEVICES

Sometimes installing external devices can conflict with internal devices that came with your WinBook FX. This can be especially true when you add an external pointing device like a mouse pointer.

If you have installed external devices and the WinBook FX fails to operate properly shortly after the installation, unscrew and unplug the external devices. It is best to start with devices that were last installed prior to the trouble. After removing the devices, restart the WinBook FX as described in "Restart or Boot" in this chapter.

Try to operate the WinBook FX after restarting. If it operates satisfactorily, you may need to make changes in the Setup Program settings to operate the new external device. See Chapter 9, *Using the Setup Program* for more information about configuring the WinBook FX. Also see "Check the Setup Program Settings" that follows.

CHECK SETUP PROGRAM SETTINGS

The Setup Program menus allow you to change settings that enable or disable features on your WinBook FX. Incorrect settings in these menus can cause the WinBook FX to operate in an unusual way or fail to operate at all.

Default Setting: The best way to determine if there is a problem with the WinBook FX is to use default settings. This will cause the computer to operate as it did when you first received it.

NOTE: Setting the Setup Program fields to their default configuration may cause external accessories to stop working or to work incorrectly.

Getting Into the Setup Program: Reboot the WinBook FX by pressing <Ctrl> + <Alt> + all at the same time. When the Screen becomes active, press <F2> to enter the Setup Program.[FX 10-22]

Leaving the Setup Program: After making changes to items within the menus, press <Enter> to select the new changes. To leave the Setup Program, press <ESC>. Use the arrow keys to move into the **Exit** menu, then choose **Save Changes and Exit**. Your WinBook FX will leave the menu and restart.

SCAN FOR VIRUSES

Viruses can cause damage to your system and data. You can obtain anti-virus software from your local software dealer. For more detailed information, see "Viruses" in Chapter 8, *Security*. [FX 10-23]

BOOT PROCESS

BEEP AFTER STARTUP SCREEN STOPS

After I turn on my WinBook FX or after I reboot it, I hear a beep, then the screen stops before it finishes booting.

The operating system needs correct information in the AUTOEXEC.BAT and CONFIG.SYS files to boot properly.

Turn the computer off and then on.

Press the <F8> key to bypass these files at boot time.

If the system boots, use an editor or viewer to inspect the files.

Write AUTOEXEC and CONFIG settings down, and then reinstall backups of these files and try again.

If you are using a port replicator, mini-dock, or docking station, undock the WinBook FX and retry.

WINDOWS 95 WON'T LOAD

My WinBook FX won't load Windows 95.

If your WinBook FX fails to successfully load Windows 95 after it boots, do not try to reinstall Windows 95.

Locate your WinBook FX Support Disk. Be sure the Floppy Disk Drive module is installed in the Media Bay. Then call Technical Support at the number listed on the WinBook FX "Read-Me-First" card for instructions on using the WinBook FX Support Disk.

MISSING OPERATING SYSTEM ERROR MESSAGE

My WinBook FX displays a message indicating a missing operating system.

Use the Setup Program menus to select hard disk drive type:

Enter the Setup Program (see "Check the Setup Program Settings" under Fast Fixes). On the Main menu, highlight **IDE Adapter-Master**, and [FX 10-24] then select <Enter>. The screen displays the IDE Adapter 0 Master screen. Check that the **Type** field is set to **Auto**.

Move the highlight to **Autotype Fixed Disk:** and select <Enter>. Follow any additional instructions on the screen.

Leave the Setup Program menus (see "Check the Setup Program Settings" under Fast Fixes).

You may have loaded a virus onto your WinBook FX's hard disk drive (see "Viruses" in Chapter 8, *Security*).

If the problem persists, locate your WinBook FX Support Disk. Be sure the Floppy Disk Drive module is installed in the Media Bay. Then call Technical Support at the number listed on the WinBook FX "Read-Me-First" card for instructions on using the WinBook FX Support Disk.

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SETUP/CONFIGURATION ERROR MESSAGE

When I turn on my WinBook FX, the screen displays "BIOS setup or configuration error, type 'F1' to continue."

Look for changes that you recently made to your WinBook FX. Unplug any external keyboards and/or pointing devices and retry (see "Disconnect External Devices" under Fast Fixes).

If you are using a port replicator, mini-dock, or docking station, undock the WinBook FX and retry.

If you have installed new internal or external accessories, be sure to run the Setup Program. Use the default setup configuration. [FX 10-25]

INVALID CMOS ERROR MESSAGE

When I turn on my WinBook FX, the screen displays "invalid CMOS error message, type 'F1' to continue."

Go back to default settings in the Setup Program (see "Check the Setup Program Settings" under Fast Fixes).

PASSWORD PROMPT

My WinBook FX screen prompts me to enter a password at boot time.

Enter your password. If you can't remember your password and have not stored it somewhere, you must send your WinBook FX in for service to clear the password. Please contact Customer Service at the number listed on the WinBook FX "Read-Me-First" card to arrange for an RMA (return materials authorization) number.

WON'T START PROGRAMS OR READ DISKS

My WinBook FX won't start any programs or read any disks after I turn on the power.

Check the Setup Program. To check the special entries that help your WinBook FX to start up, enter the Setup Program menus (see "Check the Setup Program Settings" under Fast Fixes), and make sure the boot devices are active:

In the Main menu, set Diskette A: for [**1.44MB, 3.5**]. Note that if your Floppy Drive module is not installed, you will be unable to choose this option

Move the highlight to **Boot Sequence** and choose [**C: then A:**] Note that in general you're safer with this setting as [**A: then C:**] because it always gives you the option of booting from the support disk in A: first. This could be critical if you run into virus problems.[FX 10-26]

Make sure that drive C: is set up properly (see boot process problem 3 for more information).

ERROR NOT RELATED TO SETUP

My WinBook FX displays an error message on the screen that is not related to any setup problems.

If you are using a port replicator, mini-dock, or docking station, undock the WinBook FX and retry.

If the problem persists, write down the error message and call Technical Support for assistance. The phone number is listed on the "Read -Me-First" card that came with your system.

POWER

WINBOOK FX WON'T TURN ON

My WinBook FX won't turn on when I press the power button.

Make sure that the battery is inserted into its bay and that it is connected properly (see "Properly Install Accessories" under Fast Fixes).

Be sure the AC adapter connectors are fully plugged into the wall outlet and that the battery is fully charged (see "check Power Inputs" under Fast Fixes).

Make sure that the wall outlet is not defective by plugging something else (such as a lamp) into the outlet to check it.

WINBOOK FX TURNS OFF BY ITSELF

My WinBook FX turns off by itself.

Check the Setup Program power savings timeout settings. Pay particular attention to Suspend timeout, Suspend on low battery, and Standby timeout settings as each of these can cause the system to [FX 10-27] shut down or appear to be shut down. For information about entering the Setup Program menus, see "Check the Setup Program Settings" under Fast Fixes. Also see Chapter 9, *Using the Setup Program*, for more information about power savings settings.

OPERATION TIME ON BATTERY TOO SHORT

The WinBook FX doesn't operate on the battery for a long enough time.

Check the battery charge. Your battery may not be fully charged. Try charging the battery by plugging the AC adapter or optional car adapter into the WinBook FX (see "Check Power Inputs" under Fast Fixes).

You may need to do a full battery cycle. If you notice that even with a full charge you can't operate the WinBook FX for at least 2 hours, allow the WinBook FX's battery to completely discharge. Then plug the AC adapter into the WinBook FX and allow it to charge overnight (see "Check Power Inputs" under Fast Fixes).

If the problem continues, it may be time to purchase a new battery. Contact the Sales Department by calling the number listed on the "Read-Me-First" card that came with your system.[FX 10-28]

DISPLAY

BLANK DISPLAY WHEN TURNED ON, NOT BEEPS, LCD INDICATOR BLANK

The display stays blank when I turn on my WinBook FX and I didn't hear any beeps. The LCD indicator next to the power button is also blank.

Check all of the WinBook FX's power input sources (see "Check Power Input" under Fast Fixes).

If you are using a port replicator, mini-dock, or docking station, undock the WinBook FX and retry.

BLANK DISPLAY WHEN TURNED ON, NO BEEPS, LCD INDICATOR SHOWS SYMBOLS

The display stays blank when I turn on my WinBook FX and I didn't hear any beeps. The LCD indicator panel next to the power button shows symbols.

Your display may be turned off. Press <Fn> + <F1> to turn the display back on. These keys will cause both the internal display and external monitor to turn on and off.

You may have switched to external monitor with <Fn> + <F12> as you booted, or set the display as "CRT" in the Setup Program.

If you are using a port replicator, mini-dock, or docking station, undock the WinBook FX and retry.

BLANK DISPLAY WHEN TURNED ON, SINGLE BEEP

The display stays blank when I turn on my WinBook FX. I heard a single beep.

Check the brightness settings for your display. Make sure the brightness control is at the midpoint setting.

Press <Fn> + <3> to decrease brightness.

Press <Fn> + <4> to increase brightness.[FX 10-29]

BLANK DISPLAY WHEN TURNED ON, SERIES OR CONTINUOUS BEEP

The display stays blank when I turn on my WinBook FX and I hear a series of beeps or a long continuous beep.

If you just installed optional disk drives, PCMCIA cards, a second battery, or memory modules, try removing them. After removing the newly installed component, try rebooting the WinBook FX (see "Restart or Boot" under Fast Fixes).

If the WinBook FX starts up normally, turn the computer's power off and try to reinstall the component (see "properly Install Accessories" under Fast Fixes). Refer to the installation procedure that came with the newly installed component.

If you are using a port replicator, mini-dock, or docking station, undock the WinBook FX and retry.

BLANK DISPLAY AFTER USE, LCD INDICATOR SHOWS SYMBOLS

I was using my WinBook FX, and then I stopped using it for some time. The computer's screen is now blank but the LCD indicator panel next to the power button shows symbols.

You may have turned off your WinBook FX's display. Press <Fn> + <F1> to turn the display back on. These keys cause both the internal display and external monitor to turn on and off.

You may have switched the screen to an external CRT, even though one is not connected.

Press <Fn> + <F12> to switch between the internal display and the external monitor.

You may have loaded a virus onto your WinBook FX's hard disk drive (see "Viruses" in Chapter 8, *Security*).

If you are using a port replicator, mini-dock, or docking station, undock the WinBook FX

and retry.[FX 10-30]

DISPLAY ILLUMINATED BUT NO MESSAGES

My WinBook FX display is illuminated, but the system will not display any messages.

If you just installed optional disk drives, PCMCIA cards, a second battery, or memory modules, try removing them. After removing the newly installed component, try rebooting the WinBook FX (see "Restart or Boot" under Fast Fixes).

If the WinBook FX starts up normally, turn the computer's power off and try to reinstall the component (see "Properly Install Accessories" under Fast Fixes). Refer to the installation procedure that came with the newly installed component.

DISPLAY LOOKS DIFFERENT, ITEMS NOT CLEAR

My WinBook FX's display looks different than usual. I can't clearly see items displayed.

Check the display brightness setting. Use the <Fn> + <4> key combination to increase brightness and the <Fn> + <3> key combination to decrease brightness.

You may need to clean your display. If dust or dirt collects on the screen, you may have difficulty reading items displayed. Spray an anti-static Cleaning solution **onto a soft cloth** and gently wipe the screen (see Chapter 7, *Maintaining Your WinBook FX*).

If you just install optional disk drives, PCMCIA cards, a second battery, or memory modules, try removing them (see "Properly Install Accessories" under Fast Fixes).

If you can see items on the display, but the display doesn't appear as bright as it used to, the display backlight may have failed. They are rated for about 5000 hours. If the display appears to be dim, call Technical Support.[FX 10-31]

You may have loaded a virus onto your WinBook FX's hard disk drive (see "Viruses" in Chapter 8, *Security*).

DISPLAY SHOWS INCORRECT IMAGE

My WinBook FX's display is showing an incorrect image.

Try restarting your WinBook FX (see "Restart or Boot" under Fast Fixes). If the problem doesn't reappear, continue working as usual.

Be sure standard VGA drivers are loaded. Refer to operating system documentation.

If the problem persists, locate your WinBook FX Support Disk. Be sure the Floppy Disk Drive module is installed in the Media Bay. Then call Technical Support at the number listed on the WinBook FX "Read-Me-First" card for instructions on using the WinBook FX Support Disk.

VERTICAL OR HORIZONTAL STRIPES

My WinBook FX's display has vertical or horizontal stripes on it when it is powered up.

You need our help with this one. Call the Technical Support number listed on the WinBook FX "Read-Me-Fist" card.

COLORED DOTS

I see colored dots on my WinBook FX's display all the time.

Some colored dots will appear on your screen as an inevitable part of the TFT display screen process. WinBook FX quality standards aim to ensure that these colored dots do not obscure or distract from the view of the display image. If you feel colored dots on your display are a problem, or that the number of them is increasing, please call the Technical Support number listed on the WinBook FX "Read-Me-First" card.[FX 10-32]

BRIGHTNESS POOR

Display brightness is poor.

Check the brightness settings. Press <Fn> + <4> to increase brightness, <Fn> + <3> to decrease brightness.

You may have the Auto Dim function enabled. With this enabled, the screen will dim slightly to save power whenever you are running off the battery. You can disable this from the Setup Program Power Savings menu (see Chapter 9 for details).

If the brightness control is set at maximum, the backlight may need replacing. Call the Technical Support number listed on the WinBook FX "Read-Me-First" card.

SCREEN BLANKS TOO QUICKLY

My WinBook FX's screen blanks too quickly.

You may have selected a screen saver in Windows 95. Adjust the length of time between your last activity and the time the screen blanks.

You may have selected a timeout feature in the Setup Program. Adjust the length of time between your last activity and the time the screen blanks. See "Check Setup Program Settings" under Fast Fixes). In the Setup Program, go to the **Power Savings** menu and adjust the **Video Timeout** setting.

You may have the Auto Dim function enabled. This will cause the screen to dim slightly to save power whenever you are running on battery power. You can disable this from the Setup Program Power Savings menu. See Chapter 9, *Setup Program*, for details.

EXTERNAL MONITOR DOESN'T WORK

My external monitor doesn't work.

Make sure the monitor is connected and turned on, and that you plugged in the monitor *before* you powered up the WinBook FX.[FX 10-33]

Check that the AC power cord for the external monitor is connected to the monitor and connected to the electrical outlet.

Check that the power switch for the external monitor is turned on.

Make sure the WinBook FX's LCD/CRT function is switched to CRT or LCD & CRT. Use the <Fn> + <F12> key combinations.

If you close the display of the WinBook FX, the display controller automatically deactivated the LCD display and activated the external monitor port. The purpose is to provide support

for the port replicator, docking station, and mini-dock. If you power-up the system with the display panel down, an attached video monitor will show the display. This allows you to simply slip the WinBook FX into a docking station with the display panel down, and the external monitor will come up as power is applied.

EXTERNAL MONITOR DOESN'T WORK IN HIGH RESOLUTION MODE

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My external monitor isn't working in the high-resolution mode.

In Windows 95, switch to a higher resolution driver. To install the driver follow these steps:

Move the mouse cursor to an area on the desktop with no icons.

Press the right mouse button to display a menu.

Choose **Properties**.

When the dialog box appears, choose the Settings tab.

Move the cursor to the Color Selections menu.

Choose **High Color**.

In DOS, install a high-resolution driver for the application you want to use.[FX 10-34]

KEYBOARD

BUILT-IN KEYBOARD DOESN'T WORK

My WinBook FX's built-in keyboard doesn't work.

If you have connected an external keyboard to your WinBook FX, try restarting the WinBook FX (see "Restart or Boot" under Fast Fixes).

If restarting the WinBook FX doesn't help, remove the external keyboard and restart the WinBook FX again. Your external keyboard may be faulty or incompatible with the WinBook FX.

EXTERNAL KEYBOARD DOESN'T WORK

The external keyboard that I connected to my WinBook FX is not working.

If you plugged the keyboard into the WinBook FX after it was turned on, restart the WinBook FX with the keyboard plugged in (see "Restart or Boot" under Fast Fixes). If restarting doesn't help, your keyboard may be defective or incompatible with PS/2 specifications.

If you try the keyboard on another PS/2 compatible computer and the keyboard works, your WinBook FX might be defective. Call the Technical Support number listed on the WinBook FX "Read-Me-First" card for assistance.

CHARACTERS REPEAT WHILE TYPING

The characters on the screen repeat while I type.

You may be holding the keys down for too long while you type. You can configure the keyboard to wait longer before the auto repeat feature starts. To adjust this feature, enter the Control Panel in Windows 95. Choose **Keyboard**. A dialogue box appears with adjustable settings for the keyboard.[FX 10-35]

POINTING DEVICE

EXTERNAL PS/2 POINTING DEVICE DOESN'T WORK

Plugged an external PS/2 pointing device into the WinBook FX, but it doesn't work.

There may be an unusual incompatibility problem between the internal and external pointing devices. To check this, enter the Setup Program and disable the internal pointing device. Follow the instructions below. Note that internal and external pointing devices should work together.

Enter the Setup Program menus (see "Check the Setup Program Settings" under Fast Fixes) to make the change. In the **Main** menu, use your arrow keys to move the highlight down the screen to **Built-in Pointing Device**. Choose **Disable**, then press <Enter>.

After your WinBook FX restarts, the built-in pointing device will not work, but the external device should begin working.

Your external pointing device may not work properly if it is not plugged in *before* you start your WinBook FX. If you forgot to plug it in before starting the WinBook FX, connect the pointing device to the WinBook FX, then restart. (See "Restart or Boot" under Fast Fixes.)

If you are using a port replicator, mini-dock, or docking station, undock the WinBook FX and retry.

BUILT-IN POINTING DEVICE DOESN'T WORK

My WinBook FX's built-in pointing device is not working.

Restarting the WinBook FX will usually solve pointing device problems (see "Restart or Boot" under Fast Fixes).

Check settings in the Setup Program. To use a built-in pointing device (TrackPoint or Touch Pad) you must enable the built-in pointing device included with your WinBook FX.[FX 10-36]

If you have connected an external-pointing device, disconnect it. Go to the Setup Program menus (see "Check the Setup Program Settings" under Fast Fixes). In the Main menu, use your arrow keys to move the highlight down the screen to **Built-in Pointing Device**. Choose **Enable**, then press <Enter>. After your WinBook FX restarts, the built-in pointing device should work.

POINTING DEVICE MOVES TOO FAST OR SLOW

The pointing device that I use is hard to operate. It moves faster or slower than I'm

used to.

Try adjusting the pointer's motion settings. To get to the Windows 95 Control Panel:

On the Windows 95 desktop, choose the **Start** button on the Windows 95 Task Bar to display the Start menu.

In the **Start** menu, choose **Settings**.

Choose **Control Panel**.

Inside the Control Panel, click on the **Mouse** (or **TouchPad**) icon. A dialog box will appear.

Choose the **Motion** tab, then adjust the **Pointer Speed**. You can also enhance the look of your pointer by adding **Pointer Trails**.

Test the pointer speed and adjust it to your liking, then choose the **OK** button in the dialog box. The TouchPad works best on a medium to slow setting.[FX 10-37]

POINT INDICATOR ON SCREEN DISAPPEARS

The point indicator on the display disappears when I move it quickly across the screen.

Does the mouse move faster than you are used to? You can adjust the pointing device's speed (see pointing device problem 3).

Move the pointing device more slowly across the screen. Rapid pointer movement can cause the pointer to sometimes disappear when the WinBook FX is using resources to save a file or print a document. Usually the pointer's characteristics will return to normal after the WinBook FX finishes tasks that consume its resources.

In Windows 95, select **Start** then **Settings**, then **Control Panel**, and then **Mouse**. Select the **Motion** tab and then turn **Trails** on. You can go into the **Cursors** tab and select a bigger or different cursor that may be easier to follow on the display.[FX 10-38]

COMMUNICATIONS PORT

The communications Ports on your WinBook FX allow you to connect external devices such as a mouse, a modem, a printer, or another computer to the WinBook FX. The Serial Communications Port on your WinBook FX is COM1. There is also a serial infrared port, which is normally located on COM2. Your WinBook FX's modem connects to COM3. In the event you have changed your port assignments in the Setup Program, and then experience problems, go back into the Setup Program and use <F9> to load the default values to reset the Serial Port as COM1.

NOTE: Devices connected after the WinBook FX is powered up may not work reliably. Connect devices to the Communications Ports while the computer is turned off. This not only helps to protect the WinBook FX from damage, but turning on the WinBook FX after connecting an external device to the port allows the computer to prepare itself and the device to operate together.

SERIAL PORT DEVICE DOESN'T WORK

The device that I plugged into the serial port is not working.

Check the Setup Program menus to be sure that the port is enabled. If the port is not enabled, the WinBook FX will not communicate with external devices connected to the port. To enable the Communications Port, follow these steps:

Enter the Setup Program (see "Check the Setup Program Settings" under Fast Fixes).
Select **Advanced** menu.
Enable **External COM port** for **COM1**.
Save the new setup and leave the setup program (see "Check the Setup Program Settings" under Fast Fixes).

Your cable may be broken or you may have the wrong kind of [FX 10-39] cable. If so, the WinBook FX will not be able to communicate with external devices. Try replacing the cable.

INTERNAL MODEM DOESN'T WORK

The WinBook FX's internal modem doesn't work.

Check the software application that you use for communicating. This application chooses the Communications Port for your modem. Sometimes communications applications automatically look for the modem and adjust this setting. Sometimes you need to choose this setting for the application. If you need to make this choice manually, you should choose COM3 for either PCMCIA or internal modems.

SERIAL INFRARED PORT DOESN'T WORK

I can't get my Serial Infrared Port to work properly.

Go into the Setup Program and make sure the infrared port is enabled on COM2. If you are using Windows 95, also check that the Setup Program is set to the "Plug and Play OS" mode. You must line up the external device correctly. The Serial Infrared Port used infrared light to communicate with external devices. To use the port, you must have an unobstructed visual pathway between the WinBook FX's serial infrared transceiver and the external device's serial infrared transceiver. If the line of sight between the transceivers is blocked, communication between the devices will stop. The WinBook FX and the external device can be up to 1 meter apart with a 15° angle.

Make sure that the transceiver windows on each device are clean. Finger prints or dust buildup may obstruct the line of sight between the devices.[FX 10-40]

Take advantage of the Puma TranXit documentation and on-line help feature.

To use the Serial Infrared Port, you may need to enable the port. See "Check the Setup Program Settings" under Fast Fixes for instructions on entering and leaving the Setup Program.

Enter the Setup Program
Select **Advanced** menu.
Set **IR port** to **COM2**.
Leave the Setup Program.

PRINTER PORT

The WinBook FX has a port that you can connect to an external printer. The port is called a Parallel Communications Port, also known as LPT1.

For specific information about your printer, see the documentation that came with the printer when you purchased it. If you can't find the documentation, contact your computer hardware supplier or the printer manufacturer or more information about your printer.

EXTERNAL PRINTER DOESN'T WORK

My external printer is not working.

Make sure the printer is ready to print. Check the printer's power cable to see that it is properly plugged into the printer and the electrical outlet. Also see that the printer's communication cable is connected properly to the WinBook FX's LPT1 Port and to the back of the printer.

If the printer is turned on, there should be a power indicator that illuminates. There is also usually an indicator showing that the [FX 10-41] printer is "ready" or "on-line". If this indicator is not illuminated, check to see that the printer has paper, and that the paper is aligned properly in the paper tray.

The printer port may not be enabled. To use an external printer, you must enable the printer port:

Enter the Setup Program (see "Check the Setup Program Settings" under Fast Fixes).

Select **Advanced** menu.

Set **Parallel Port Address** field to LPT1.

Leave the Setup Program (see "Check the Setup Program Settings" under Fast Fixes).

You may be using the wrong cable or the cable may be faulty. If your cable is the incorrect kind or faulty, contact your local computer store to obtain another. If you take the cable to the supplier, they may be able to test it to see if it is working.

The printer driver in the operating system may not be set correctly. To see information about setting up your printer and its driver:

On the Windows 95 desktop, choose the **Help** button on the Windows 5 Task Bar to see the Startup menu.

In the **Startup** menu, choose **Help**.

Choose the **Index** tab.

In the field, type **printer**.

From the list below the field, choose a topic related to installing printer drivers.

Choose the **Display Topic** button at the bottom of the Help [FX 10-42] window to view topics that will help you install the correct printer driver for your printer.

While in the printer setup dialog box, be sure to select **LPT1** as the printer port.

NOTE: If you don't see your printer listed in the Windows 95 printer list, chances are that your printer's manufacturer can provide you with a Windows 95 Driver disk.

Many printers from the same vendor may have similar characteristics and will be able to work with one of the Windows 95 standard drivers. If you don't see your printer listed, contact the printer's manufacturer to see if you can get a Windows 95 Driver,

or use one of the existing ones in its place.

PRINTER PRINTS STRANGE CHARACTERS

My printer prints strange characters that are not in the document that I am trying to print.

Try turning the printer's power switch off to reset it. In your application or printer spooler, cancel the print job. Turn the printer back on and try to print the document again.

You may not have the printer drivers set up properly. See printer problem number 1 for suggestions about printer drivers.

PARALLEL PORT DEVICES DON'T WORK

Special devices that I connect to the Parallel Port do not function properly.

You may need to enable special options in the Setup Program for this device. Some devices require two-way communication through the printer port to operate properly. You can choose two-way communication for the port in the Setup Program menus.[FX 10-43

See "Check the Setup Program Settings" under Fast Fixes for instructions on entering and leaving the Setup Program.

Enter the Setup Program.
Select **Advanced** menu.

-

Set **LPT Port:** for **LPT1**

Set **LPT Mode:** for **Bi-directional**.

If your device is ECP Aware, set **LPT Mode:** for **ECP**.

Leave the Setup Program.

AUDIO

MUSIC CDs WON'T PLAY

My Music CDs won't play.

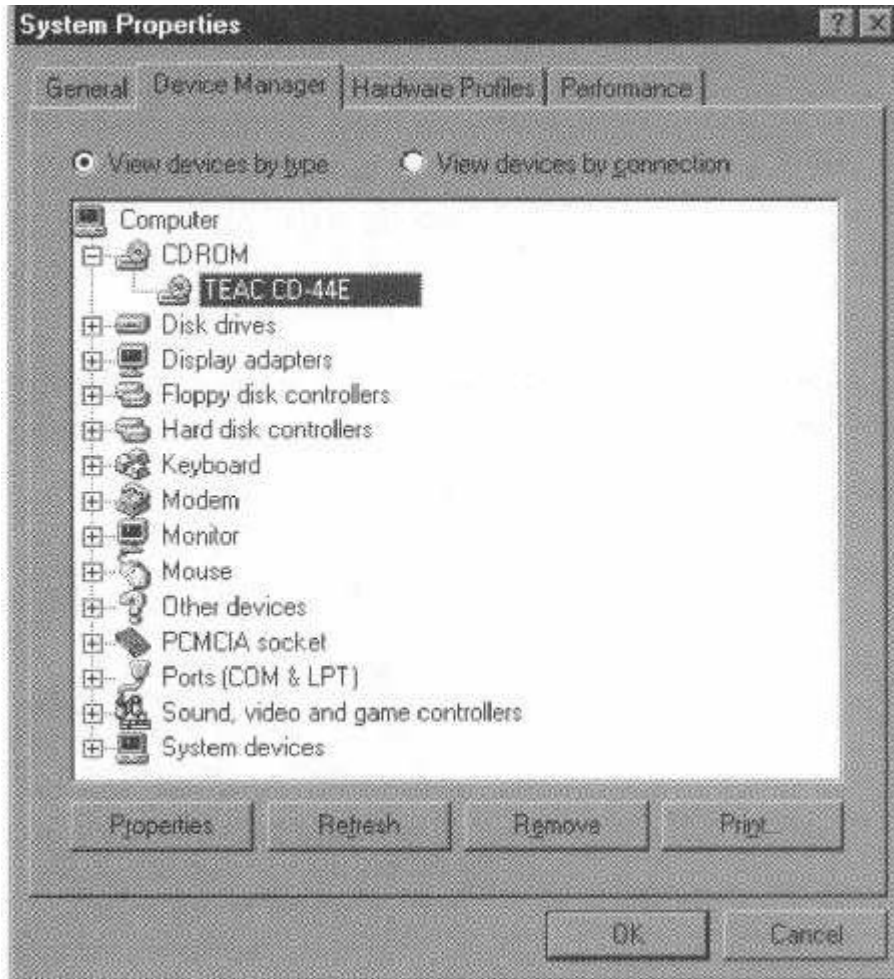
Make sure the audio program is running in Windows 95. Click on **Start, Programs, Audio Applications, CD player or Audio Rack** to activate the CD player.

Check the volume level by pressing <Fn> + <F8> and watching the Popup Status display every time you change the volume level.

Check that **Mute** is not enabled. Press <Fn> + <F2> to open the Pop Status window and check.

Check to see that the CD-ROM driver is installed by going to **Start, Settings, Control**

Panels and clicking on **Devices**. When the **System Properties** dialog box appears, check that the entry for CD-ROM is there. The dialog box should appear as follows: [FX 10-44]



If the TEAC drive is not there, then install the drivers by simply installing the CD-ROM module in the Media Bay and booting the [FX 10-45] system. If a dialog box asks if you want to run the hardware wizard, indicate **Yes**. Another way is to start the hardware wizard is by selecting **Start, Setting**, and then **Control Panel**, and **Add New Hardware**. Either method will install the TEAC drivers for your CD-ROM unit when Windows 95 scans the system.

Your music CD may actually be playing, but the volume is set too low for you to hear. On the right side of the Windows 95 Task Bar, double click the **Speaker** Icon. Adjust the volume settings for CD & Volume Control.

NO SOUND ON HEADPHONES

I can't hear sound on my headphones.

Check the volume levels with the Popup Status window. Check that **Mute** is not enabled. Are the headphones connected? Make sure the cord is plugged into the external speaker jack. This is the right most jack as viewed from the rear. It has the headphone icon on it.

Are you using the correct connector? The WinBook FX's external speaker connector is compatible with a 3.5mm stereo audio plug. If you are using a different plug, it may not be compatible.

Your headphones may actually be working, but the volume is set too low for you to hear. On the right side of the Windows 95 Task Bar, select the **Speaker** icon. Adjust the volume setting for the CD, Line In, and Volume Control.

Inspect the cord for wear or damage. Usually you will find this at the ends of the cable where connectors are attached. If you find damage to the cord, repair or replace the cord, then try again.[FX 10-46]

NO SOUND FROM BUILT-IN SPEAKERS

I can't hear sound from the built-in speakers.

Check the volume levels with the Popup Status window. Check that **Mute** is not enabled. If you have external speakers or headphones plugged into the WinBook FX, the built-in speakers are automatically disabled. Try unplugging external speakers or headphones to see if the audio is restored to the built-in speakers.

Your speakers may actually be playing, but the volume is set too low for you to hear. On the right side of the Windows 95 Task Bar, select the **Speaker** icon. Adjust the volume settings for the CD, Line-In, and Volume Control.

NO SOUND FROM EXTERNAL SPEAKERS

I can't hear sound from speakers that I connected.

Check the volume levels with the Popup Status window. Check that **Mute** is not enabled. Are the speakers connected: Make sure the cord is plugged into the external speaker jack. Make sure that the plug is inserted into the right most jack as viewed from the rear the one with the earphones on it.

Are you using the correct connector? The WinBook FX external speaker connector is compatible with a 3.5mm stereo audio plug. If you are using a different plug, it may not be compatible.

Your speakers may actually be playing, but the volume is set too low for you to hear. On the right side of the Windows 95 Task Bar, double click the **Speaker** icon. Adjust the volume settings for the CD, Line-In, and Volume Control.[FX 10-47]

Inspect the cord for wear or damage. Usually you will find this at the ends of the cable where connectors are attached. If you find damage to the cord, repair or replace the cord, then try again.

Most external speakers have their own volume control. Make sure that this volume control is not turned all the way down.

Some external speakers require a source of power in order to work correctly. Usually these are referred to as "powered speakers". If you are using powered speakers, you will have to either install batteries or plug them into an AC outlet to get them to work correctly. You may also have to turn the speakers on with a switch to get them to work properly. Consult your external speaker manual for more details.

DISK DRIVERS

CD-ROM DRIVE DOOR WON'T OPEN

My CD-ROM Drive won't eject the disk when I press the eject button.

Is the CD-ROM Drive installed in the WinBook FX? If it is, turn the WinBook FX on. While the power is ON, press the button on the CD-ROM Drive. The drive door should open.

CD-ROM DRIVE WON'T EJECT DISK

2. The CD-ROM Drive won't eject the disk when I press the eject button.

If the CD-ROM Drive is not installed into the WinBook FX, you cannot use the button on the door to eject the CD disk. To the right of the button, there is a small hole. If you insert the end of a paper clip into this hole, the door should open. You may then recover your CD disk.[FX 10-48]

HARD DISK FULL

3. My Hard Disk Drive is full.

Delete backup files. Many programs save backup files. Backup files are a way to recover most of your work should your active file become damaged. If you keep extra copies of your files and have updated those files since the last time you opened them, you can delete backup files from the hard disk to create more space for new work.

Empty the Recycle Bin. Windows 95 features a Recycle Bin. When you delete files, Windows 95 copies them to the Recycle Bin. Occasionally, you should empty the Recycle Bin to create more disk space for new files. You should always check the contents of the Recycle Bin before you empty it.

Be aware of the Windows 95 Disk Compression Utility. You can use this by pressing **Start, Accessories, System Tool, Compression Agent**, and then following the instructions. For more information refer to the Windows 95 manual or on-line Help under the compression agent.

FLOPPY DRIVE WON'T SAVE WORK

My Floppy Drive won't save my work.

Is the write-protect tab on the floppy disk open? Three-inch disks feature a write-protect tab that must be **closed** to allow you to save to the disk. The write-protect tab located on the left side of the disk if you view the disk while it is partially inserted into the drive. If there is a hole on the left-hand side of the disk, pull the disk completely from the drive and turn it over. You should find a sliding tab between the hole and the edge of the disk. Slide the tab closed to save files on the disk. [FX 10-49]

NOTE: There may be a good reason for the write-protect tab to be open. Perhaps a previous user of the disk wishes to preserve the information on the disk. Check with the disk's previous user before saving your files on the disk.

Have you formatted the disk? Some new disks are not formatted for use with your WinBook FX. If your disk is not formatted, or if the disk is formatted for use with another type of computer, Windows 95 will notify you. Format the floppy disk by choosing **My Computer**, then single click on the **Floppy diskette** icon, then **Files**, and then **Format**.

Is the disk already full? If you have saved files on this disk before, you may have reached the disk's capacity. If the disk is full, use a different disk or remove existing files from the disk to make room for other files that you want to save.

FLOPPY DRIVE WON'T READ DISK

My Floppy Drive won't read my disk.

Is the disk fully inserted into the disk drive? Disks only fit into the drive one way. As you insert the disk, the circular metallic object on the disk must face down, the sliding hatch must face the opening of the computer's drive, and the notched corner of the disk must face toward the right. Make sure that the disk springs into position. The drive's eject button should spring outward when the disk is properly inserted.

Is the Floppy Disk Drive installed properly? While installing the drive, apply even pressure on both sides of the drive, making sure that the exposed edge of the drive is flush with the edge of the WinBook FX as the drive latch locks.

[FX 10-50]

[FX Appendix A](#)

APPENDIX A

SPECIFICATIONS

DIMENSIONS

	Width	Depth	Height
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System Module	11.38	9.82	1.15 inches
---------------	-------	------	-------------

	288	228	54.5 mm
--	-----	-----	---------

Power Adapter	4.72	4.14	1.4 inches
---------------	------	------	------------

	120	60	35 mm
--	-----	----	-------

WEIGHT

System (with battery): 6.7 lb. / 3.0 kg

AC Adapter with Cables: 0.7 lb. / 0.3 kg

CD-ROM Module: 0.9 lb. / 0.4 kg

Floppy Drive Module: 0.5 lb. / 0.2 kg

ENVIRONMENTAL

Operating Temperature:

+ 41° to + 95° F / + 5° to 35° C

Non-Operating Temperature:

4° to + 140° F / - 20° to + 60° C

Operating Humidity: 5 to 85% max, 26° C wet bulb

Operating Altitude: 8,000 feet

Non-Operating Altitude: 40,000 feet

Operating Shock: 10 G, ½ sine pulse, 11 msec duration, and three drops per bottom side

by impact machine (simulate impact with edge raised 70 mm onto a desk top)

Non-Operating Shock: 60 G, ½ sine pulse, 11 msec duration, and three drops per bottom

face by impact machine (simulate impact with edge raised 50 cm onto a business floor)

-

Operating Vibration: 5 to 500 at 5 Hz, 0.5 G acceleration, 1 octave/minus, 15 minute dwell at all resonance points

AGENCY APPROVALS

Safety U.S. UL478 / (UL1950)

Canada CSA22.2#220 / (CSA950)

EMI U.S. FCC part 15, Class B

Canada CE FN55022

POWER INPUT

2-prong detachable power cable

Autoranging: 95 – 128 VAC 60 Hz

205 – 260 VAC 50/60 Hz

SYSTEM DEVICE SPECIFICATIONS

Processor: P54CLM and P54CSLM

100 MHz, 120 MHz, and 133 MHz

L2 Cache: 256K Pipeline, synchronous burst level 2 cache

System Memory: 16 MB (standard), expandable to 24 MB, 32 MB, and 40 MB

Hard Drive: Removable 820 MB – 2.2 GB IDE enhanced modes 1-4

LCD Display: 11.3" SVGA TFT, 12.1" SVGA TFT

Primary Battery: Intelligent Lithium battery pack, 56 Watt-hours maximum capacity

Typical Battery life:

hours with power management disabled

hours with power management enabled

500 discharge / charge cycles

Bridge Battery: Supports battery hot swap with 10 minutes bridge capacity

Keyboard: 81 key with embedded keypad and dedicated Windows 95 keys

[FX A-2]

Pointing Device:

TrackPoint (standard), TouchPad (optional)

System Firmware:

Phoenix NoteBIOS 4.0 Plug and Play BIOS

256K Flash ROM for field upgrade

APM Version 1.1 compliant with 4 configurable power settings

System setup program

Graphics Controller:

Cirrus Logic CL-7543, PCI interface

PCMCIA Controller:

Cirrus Logic CL-6730, PCI interface

Audio Controller: Creative Technologies CT-2505

I/O PORT

Serial Port: 9-pin D, 16C550 compatible supporting speeds up to 115 Kbaud

Parallel Port: 25-pin D, supports PC compatible, Bi-directional and ECP modes

External Video: High-density 15-pin D, SVGA compatible

Docking Connector: 240-pin, PCI compliant

External Pointing Device: PS/2 or Serial

External Keyboard: PS/2

Game Port: 15-pin D, supports standard analog joystick

Audio: 3.5 mm jack for: Amplified speaker / headphone stereo output, Stereo Line-in input, Microphone input

Infrared: IRDA SIR compliant, up to 115 Kbaud, supports connections up to 1 meter at 15° angle

PCMCIA Slots:

Supports: 2 of Type I or Type II

1 of Type I and Type III

1 of Type II and 1 Type III

STANDARD MEDIA BAY PERIPHERALS

CD-ROM: TEAC 4x Model CD-44F, ATAPI compliant

Floppy Drive: 3.5" High Density, 1.44 MB

OPTIONAL PERIPHERALS

Secondary Battery

39 Watt hrs. Lithium Ion (fits into Media Bay)

Modem:

Internet or PCMCIA, V.34 Fax / Modem (28.8 Kbaud)

Memory Upgrades:

8 MB or 16 MB custom memory modules

Car Adapter: Supplies power to the WinBook FX from cigarette lighter plug

Port Replicator: Provides a simple means to leave your peripherals wired with quick disconnect from the WinBook FX

Mini-Dock: Same as Port Replicator but also includes an additional 2 PCMCIA slots for easy system expansion.

Full Dock: Provides a simple means to leave our peripherals wired with quick disconnect from the WinBook FX. Also, supports 2 PCI / ISA slots and media bay plug-in modules. Supports hot, warm, and cold docking protocols.

Carrying Case: Leather, simulated leather, or vinyl

[FX A-3]

[FX Appendix B](#)

APPENDIX B

SETUP PROGRAM SUMMARY

The following tables summarize the Setup Program options for the WinBook FX ROM BIOS. The first column is always the field name and the second is the default setting for the WinBook FX. The other columns to the right present alternative settings. For example, "Boot Sequence" is the setting determining the sequence in which the system looks to disk drives for operating system information. The setting options are: drive A: then drive C:, drive C: then drive A:, drive C: only, and CD-ROM.

MAIN MENU

Field Name Default Alternate Settings

Settings

System Time:[hh:mm:ss]

System Date:[mm/dd/yy]

Diskette A:[1.44 MB, 3.5][Not installed]

Diskette B:[Not installed][1.44 MB, 3.5]

IDE Adapter 0 Master:[C:1358 MB]

IDE Adapter 1 Master:[None]

IDE Adapter 1 Slave:[None]

Display Device Selection:[LCD][LCD & CRT] [CRT]

Internal Pointing Device:[Enabled][Disabled]

Memory Cache:[Enabled][Disabled]

Boot Sequence:[A: then C:][C: then A:] [C: only] [CD-ROM]

System Memory:640K

Extended Memory:[15 MB][23 MB] [31 MB] [39 MB]

[FX B-2]

In the following table, the first column is the field name and the second is the default setting for the WinBook FX. The other columns to the right present alternative settings.

When you select IDE Adapter 0 Master in the Main menu, the screen options below will appear. Note that the options are for a 1.3 GB hard drive.

IDE ADAPTER 0 MASTER (C:1358 MB)

Field NameDefault Alternative Settings

Settings

Autotype Fixed Disk:[Press Enter

Type:[Auto][User] [None] [0-39]

Cylinders:[2633][0-19999]

Heads:[16][1-16]

Sectors/Tracks:[63][0-63]

Write Precomp:[None][0-65534]

Multi-Sector Transfers:[16][Disabled] [2] [4] [8]

LBA Mode Control:[Enabled][Disabled]

32-Bit I/O:[Disabled][Enabled}

Transfer Mode:[Fast PIO4][Standard][Fast PIO1-3]

[FX B-4]

In the following table, the first column is the field name and the second is the default setting for the WinBook FX. The other columns to the right present alternative settings.

See the next page for Integrated Peripherals options.

ADVANCED MENU

Field NameDefaultAlternative Settings

Settings

Integrated Peripherals:

Plug and Play OS:[Yes][No]

Reset Configuration Data:[No][Yes]

Large Disk Access Mode:[DOS][Other]

[FX B-4]

In the following table, the first column is the field name and the second is the default setting for the WinBook FX. The other columns to the right present alternative settings.

When you select Integrated Peripherals in the Advanced menu, the following screen options will

appear.

INTEGRATED PERIPHERALS MENU

Field NameDefaultAlternative Settings

Settings

Modem:[COM3][COM4] [COM1] [COM2] [Disabled]

Serial Port:[COM1][COM2] [COM3] [COM4] [Disabled]

IR Port:[COM2][COM3] [COM4] [COM1] [Disabled]

Parallel Port Address:[LPT1][LPT2] [LPT3] [Disabled]

Parallel Port Mode:[Output Only][Bi-directional] [ECP]

On-board IDE Adapter:[Primary][Secondary] [Disabled]

On-board Audio Chip:[Enabled][Disabled]

IRQ Channel:[5][7] [9] [10]

DMA Channel Low:[DMA CH1][DMA CH3]

DMA Channel High:[DMA CH5][DMA CH7]

I/O Channel:[220h][240h] [260h] [280h]

[FX B-5]

In the following table, the first column is the field name and the second is the default setting for the WinBook FX. The other columns to the right present alternative settings.

SECURITY MENU

Field NameDefaultAlternative Settings

Settings

Supervisor Password is:[Disabled][Enabled]

User Password is:[Disabled][Enabled]

Set Supervisor Password:[*****]

Set User Password:[*****]

Password on boot:[Disabled][Enabled]

Diskette access:[Supervisor][User]

Fixed disk boot sector:[Normal][Write-protect]

System Backup reminder:[Disabled][Daily][Weekly][Monthly]

Virus check reminder:[Disabled][Daily][Weekly][Monthly]

[FX B-6]

In the following table, the first column is the field name and the second is the default setting for the WinBook FX. The other columns to the right present alternative settings.

In the Power Management menu, the setting for one item, "Power Savings," defines the settings for four options appearing below it ("Standby Timeout," "Suspend Timeout," Hard Disk Timeout," and "Video Timeout"). With one "Power Savings" alternative setting, "Customize," these four options may be varied.

POWER MANAGEMENT MENU

Field NameDefaultAlternative Settings

Settings

Power Button Mode:[Power] [Suspend][Power][Suspend] [Power][Suspend] [Power][Suspend]

PM Control:[On] [DC] [Off][On] [DC] [OFF] [On] [DC] [Off] [On] [DC] [Off]

Power Savings:[Maximum][Maximum][Media][Customize]

Battery Life]Performance]

Standby Timeout:[2 min][10 min][4 min][10min] [Off] [2-30min]

Suspend Timeout:[Off][10 min][4 min][10min] [Off] [2-30min]

Suspend To:[RAM] [Disk][RAM] [Disk][RAM] [Disk][RAM] [Disk]

Hard Disk Timeout:[2 min][6 min][6 min][6min] [Off] [2-14min]

Video Timeout:[2 min][8 min][Off][6min] [Off] [2-14min]

Resume on Ring:[On] [Off][On] [Off][On] [Off][On] [Off]

Resume on Time:[On] [Off][On] [Off][On] [Off][On] [Off]

Resume Time:[hh:mm:ss][hh:mm:ss][hh:mm:ss][hh:mm:ss]

Suspend on Low

Battery:[On] [Off][On] [Off][On] [Off][On] [Off]

Auto Dim:[On] [Off][On] [Off][On] [Off][On] [Off]

[FX B-7]

[FX Manual](#)

