Deutsch
Español
Francaise
Italiano

Getting Started

Congratulations on your purchase of the Itronix GoBook Pro computer! Your new GoBook Pro features the most innovative advances in portable computing technology. It combines state-of-the-art ergonomics with a rugged, durable architecture to provide you with a notebook computer that is compact, powerful, rugged and easy to use. Designed for a wide range of business and personal productivity applications, the GoBook Pro is an ideal choice for use in applications that require the ultimate in ruggedness, durability, performance and intrinsic safety.

For maximum expandability without compromising portability, the GoBook Pro accommodates a number of modules, including USB interfaces and one PC card slot. The high capacity hard disk drive provides you with plenty of storage space for multimedia files and applications.

The GoBook Pro features a standard 81-key Nitevue® keyboard (82-key international). The high-resolution 10.4-inch touch screen LCD panel provides clear and crisp viewing with touch screen convenience.

This User's Guide contains all the information you need to set up and use your new GoBook Pro. It describes all the features of the GoBook Pro in an easy-to-read yet thorough manner.

Unpacking Your System

Inside your packaging you will find:

- Itronix GoBook Pro computer
- Power cord
- AC adapter
- Battery
- 2 Styluses
- *GoBook Pro Quick Start Guide*

You may have additional components or peripherals if you ordered these items separately. Check your packing slip for a complete list of items included in your package.

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Precautions

You can use your computer under a wide range of environmental conditions. However, to ensure long use and continued high performance, consider the following factors when setting up your computer:

- Follow all warnings and instructions noted in this documentation and in the Windows Help program.
- The first time you use your computer, we recommend that you carefully read Power Management to familiarize yourself with some battery basics to ensure optimum battery performance
- Unplug the computer from the power outlet before cleaning. Use a damp cloth for cleaning. Do

not use aerosols, solvents, or strong detergents

- Slots and openings in the computer case are for ventilation purposes. Do not block or cover these openings or the system could overheat
- On the bottom of the GoBook Pro, there is a label with information on the power requirements of this system. These requirements must be followed. If you are unsure of your local power supply, consult your dealer or local Power Company
- Do not step on or place anything on the power cord
- If you use the computer with an extension cord, ensure that the total ampere ratings of all the devices sharing the extension do not exceed the rating of the extension cord or the rating of the wall outlet
- Never push foreign objects into the computer through any of the slots or openings. Dangerous voltages are present, which could cause electric shock or fire, or damage sensitive components
- For best results, use a power strip with a built-in surge protector. Do not use inferior extension cords as this may result in damage to your computer

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Checklists

After opening the package, carefully inspect the contents. Contact your dealer if any items are missing or appear damaged. The shipping carton should contain the following:

STANDARD

- A GoBook Pro computer
- A battery
- An AC adapter with power cord

- 2 Styluses
- Quick Start Guide

OPTIONS

The following items are normally optional, but some vendors may include them in the standard package. Some items may not be available in some countries, or some vendors may choose not to carry all the items.

- Additional battery pack
- Shoulder Strap
- Audio adapter cable

CAUTION When purchasing any of the accessories listed above, purchase only those accessories that are approved for use with your computer. The above accessories are proprietary items. Your system vendor can obtain these approved accessories. If you use items that are not approved for use with this computer, you may cause your computer to malfunction, or to emit or receive electromagnetic radiation in excess of local regulations. For non-proprietary accessories such as PC Cards or printers, ensure that the accessory functions properly in your computer before making the purchase. Your system vendor may be able to recommend reliable brands and models.

Features

High Capacity Hard Disk Drive

The computer has a high capacity hard disk drive, enabling you to install your favorite programs and store large multimedia files.

Full Array of Ports and Connectors

Your computer includes standard ports for connecting to peripherals such as USB devices and monitors. USB ports allow you to add many other peripherals.

Bright SVGA LCD

Your computer has a bright, easy to view SVGA LCD panel with integrated touch screen.

Built-in Speaker and Microphone

The speaker and internal microphone enable you to run a variety of multimedia applications. An optional audio adapter cable is available for connecting external speakers (headphones) and microphone.

Function Keys

Function keys allow you to suspend your computer, shut the LCDs off, and give you easy control of audio and your monitor.

Where to Look For Information

About Your Computer

This User's Manual describes the key elements of your computer. New users can find a simple step-by-step orientation in this chapter.

About Windows

The **Windows Online Help,** found on the Start menu, offers extensive Windows assistance. Welcome to Windows offers an online orientation for new Windows users. You can find it in: Start/Programs/Accessories/System Tools.

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The First Time. . .

Using your computer for the first time involves:

- Installing the battery
- Connecting the AC adapter to the computer
- Calibrating and charging the battery

Installing the Battery

Make sure the computer is sheltered when you install the battery; the computer is not weather sealed until the battery is properly installed. The battery should be fully charged before you operate the unit on battery power. To get the most from your battery, follow the guidelines in Power Management.

To install the battery

1. Align the battery connectors and place the battery in the computer.
2. Slide the battery latch to the locked position.
3. Make certain that the battery latch engages properly.

NOTE When the battery is installed and the computer is connected to AC power, see Connecting the AC Adapter below, it starts charging automatically. At moderate temperatures, approximately 70° Fahrenheit (21°C), the battery will be fully charged in four to six hours. In warmer or cooler temperatures, the battery can take much longer to fully charge. Refer to Power Management for additional information.

Connecting the AC Adapter

To connect the AC adapter

1. Connect the AC adapter power cord to the AC adapter.
2. Connect the AC adapter to the power jack at the right side of your computer.
3. Connect the AC adapter power cord to an AC outlet.
4. Lift the display to open the LCD.
5. Open the LCD panel to a comfortable viewing angle.
6. Press FN On (FN+spacebar) to turn ON the power.

Turning the Computer On and Off

You can operate the computer while the battery is charging, while on external power , or on battery power only.

To turn on the computer

- Press the FN On (spacebar) once, and then give the system time to respond.

To turn off the computer

1. Press FN Off (Q key) to enter Off Mode
2. From the Start menu, click Shut Down. Then, from the Shut Down Windows screen select Shut Down and click OK.
3. Press FN+F10 to Suspend to Disk
4. Close the lid (monitor) of the computer. To enable this option go to Start, Settings, Control Panel, and Power Management. Choose the Advanced tab and select Standby or Shutdown from

the Display lid suspend/resume drop down box.

Computer Off In Off Mode, the contents of your computer's memory are held intact, while practically all the rest of the components in your computer either turn off completely, or reduce power consumption to a minimum. In Off Mode, your computer remains active, but with a minimum possible power consumption. Return the computer to full power by pressing FN On (spacebar). A fully-charged battery can maintain in Off Mode for many hours.

Suspend to Disk (Hibernate) FN+F10 enters Suspend to DiskMode. This is similar to turning off the computer, except that the current state of the computer is copied to the hard disk as a special file. In a Suspend to Disk there is no power consumption. When the computer returns from suspend mode , the desktop appears with the same files and programs open as when the computer was suspended. Suspend to Disk is very useful when you don't want to take the time to shut down all open programs one by one to shut off the computer. This mode is also called hibernation mode.

CAUTION Shutting down the computer improperly could result in lost or corrupted data.

Adjusting the Volume

Volume for the computer is adjusted by using function key combinations.

- FN + F6 decreases the volume
- FN + F7 increases the volume
- FN + F5 toggles the volume mute on or off

You can also adjust the volume with the Windows volume control applet, which is located on the taskbar and looks like this .

NOTE Adjusting the volume using the function keys produces only a slight change with each press. It may take several presses to increase or decrease the volume to a level that you desire.

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Calibrating the Touch Screen

Your GoBook Pro computer has a touch screen display. Follow the guidelines below to calibrate the touch screen for optimum use.

CAUTION

- Always use an approved stylus or your finger.
- Never use sharp, hard, or abrasive implements on the touch screen such as ball point pens, pencils, or keys. They could damage the screen.
- To clean the touch screen panel, apply a household glass cleaner to a soft, clean, dry cloth and wipe the screen.

Calibrating the touch screen

To calibrate the touch screen click the Start menu, select Programs, UPDD or Touch screen, and then select "Calibrate. This opens the touch screen calibration program.

Calibrating the touch screen involves touching and releasing on the X with the stylus on your screen. This action aligns the background image with the screen.

NOTE If you cannot select objects accurately with the stylus you may need to re-calibrate the touch screen. This can be accomplished by revisiting the procedure above.

Adjusting the Screen

You can adjust the display brightness for better viewing.

Use the following keys to make adjustments:

To Do This...	Press
Brighten the display	FN+F3
Darken the display	FN+F2

Setting the Date and Time

To set the date and time

1. Click the Start button, select Settings, select Control Panel, and double-click the Date / Time icon.
2. From the Date / Time Properties menu, make changes to the Time and Date, and then close this

screen by clicking OK.

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Startup Problems?

If your computer does not operate, try these solutions.

- Connect the AC adapter to charge the battery if it is not charged.

  NOTE The Power LED on the AC adapter should be lit as well as the external power LED activity indicator on the GoBook Pro if the AC adapter is connected and functioning properly. Additionally, one of the following power icons should appear in the task tray.

- If the AC adapter is connected, make sure the electrical outlet you are using works.
- Check to make sure the battery is installed and charged properly.
- If the battery doesn't begin charging, remove the battery, connect the AC adapter, and turn on the computer by pressing FN On. Reinstall the battery. The 2nd indicator light blinks while the battery is charging.

The **Troubleshooting** section of this manual lists additional solutions you can try.

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Getting Familiar with Your Computer

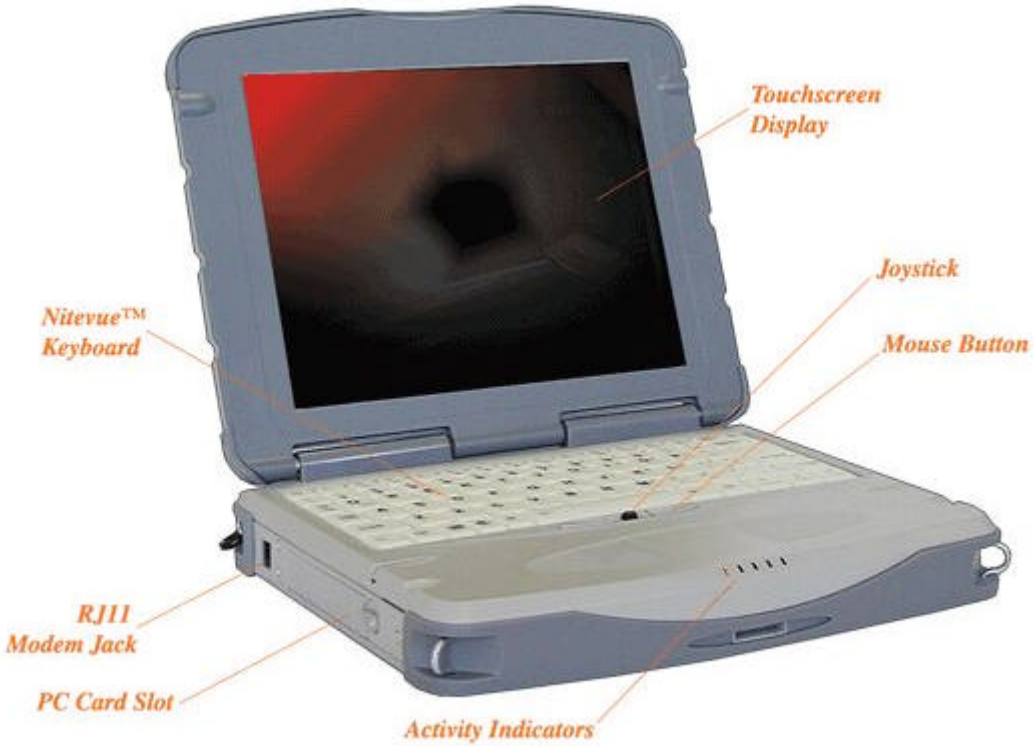
The GoBook Pro computer is a ruggedized , weather-sealed, intrinsically safe laptop computer system

built for the demanding environment of the mobile worker. Designed for use by mobile workforces, this computer is a superior work tool for collecting, managing, and communicating information in the field.

The following pages describe the external and internal features of your GoBook Pro computer.

Individual Parts

The following diagrams and descriptions provide an overview of your GoBook Pro computer.



Front View

Back View

Left Side View

Right Side View

Bottom View

LED Activity Indicators

The activity indicators, located between the keyboard and the touch screen, light up when a particular function of the computer is active. Each indicator is marked with a corresponding symbol and is visible when the lid is open or closed. LED numbers are from left to right

Icon & LED #	Function	LED	Description
LED #1	Power Status	Amber	The computer is powered and operating
		Blinking Amber	The battery is low
		Not lit	The computer is suspended or off
LED #2	Charge Status	Amber	The computer is attached to AC power and the battery is fully charged
		Blinking Amber	The computer is attached to AC and the battery is charging
		Not lit	The computer is not attached to AC power
LED #3	Disk Status (HW)	Amber	The hard disk drive is being accessed
		Not lit	The hard disk drive is not being accessed
LED #4	Radio Status	Green	RF modem is on and in range
		Amber	RF modem is on and out of range
		Blinking Green	A message is waiting
		Blinking Amber	RF is transmitting
		Not lit	RF modem is off
LED #5	BlueTooth Status (HW)	Amber	The BlueTooth radio is powered on
		Not lit	The BlueTooth radio is not powered on

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Keyboard Basics

The keyboard on the GoBook Pro computer looks much like the keyboard of a typewriter and operates in almost the same way. While typewriter keys put characters on paper, the keys on the laptop enter characters in the computer and perform certain functions, depending on the application or program.

The GoBook Pro computer features:

- 81-key US keyboard; 82-key international keyboard
- Twelve function keys, F1-F12
- Embedded numeric keypad
- Mouse keys and cursor control keys

Restarting the Computer

Press…	To do this
CTRL+ALT+DEL twice	Soft reboot the computer. **CAUTION** All open and unsaved data will be lost.
Press and hold both mouse buttons for about ten seconds and then release the buttons.	Reset the computer

Primary Keys

Key	Description
ALT	The alt (alternate) key is used with other keys to perform special tasks. Pressing CTRL+ALT+DEL twice resets the computer, processing stops and the computer attempts to restart the operating system .
ALT GR	The ALT GR key, a special function key found on the 82-key international keyboard, when pressed and held, allows you to use characters in the bottom right of a three character key.
BACKSPACE	The BACKSPACE key, sometimes represented on the keyboard as a left arrow, moves the cursor one position to the left. The character to the left of the cursor is erased.
CAPS LOCK	Pressing the CAPS LOCK key one time locks keys A through Z in the UPPER CASE position. Pressing the CAPS LOCK key again returns the letters to lower case. While in the upper case mode, pressing the SHIFT key results in lowercase characters when entered. You still have to use the SHIFT key to display characters located on the upper portion of the keyboard. For example, press SHIFT+8 to type an asterisk (*), even when the CAPS LOCK key is activated. The CAPS LOCK activity indicator is on when the keyboard is in CAPS LOCK mode. This indicator can be found in the windows tray at the lower right corner of the screen.

Key	Description
CTRL	The CTRL (control) key works with other keys to perform a variety of functions.
ENTER	The ENTER key signals the computer that you have completed your entry. This is your way of telling the computer to process the information that you have entered.
ESC	The ESC (escape) key cancels the current line if you are working in DOS. In some DOS applications, pressing the ESC key backs you out of your last menu selection. In Windows, the ESC key allows you to exit a pop-up window or message box.
PRTSC	In Windows, pressing the FN+PRTSC (print screen) key copies the current screen or window to the clipboard so you can paste it into documents. Pressing ALT+PRT SC key copies the active window to the clipboard.
SHIFT	The SHIFT key changes the keys A through Z to the UPPER CASE position. When you press an alphabetic key, the character appears as a capital letter. When you press SHIFT with other keys, the characters on the upper part of the keys appear. For example, pressing SHIFT+7 displays an ampersand (&).
FN	Function. Some special keys have been established to perform important tasks when pressed and held with the FN key. These keys are described later in this document. The FN key legend is color keyed to other special keys on the keyboard
SPACEBAR	Use the SPACEBAR to enter a space and move the cursor one character to the right.
TAB	The TAB key moves the cursor to the next tab stop or field. Tab stops are defined by your operating system or application program. Press the TAB key to move from one field or text box to another.

Arrow Keys

The arrow keys are defined by the software application.

The UP ARROW key usually moves the cursor up one line. In some cases, you can use the up arrow to make selections from menus and scrollable list boxes.

The DOWN ARROW key usually moves the cursor down one line. In Windows, you can use the down arrow to make selections from menus and scrollable list boxes.

The RIGHT ARROW key usually moves the cursor one character position to the right.

The LEFT ARROW key usually moves the cursor one character position to the left.

Function Keys

Hold the FN key while pressing the numbered function key.

Function key	Description
FN+F2	Decreases LCD brightness
FN+F3	Increases LCD brightness
FN+F5	Toggles the audio between mute and on
FN+F6	Decrease volume
FN+F7	Increase volume
FN+F8	Toggles between LCD/CRT displays
FN+F10	Suspend to Disk
FN+SPACEBAR	Turns on computer
FN+Q	Turn off computer

Numeric Keypad

The numeric keypad is embedded in the keyboard area. The embedded keypad emulates the numeric keypad typically found on a full-size keyboard. It is arranged like a calculator for applications that require you to key many numbers or for use. For example, with the Calculator in the standard Windows Accessories.

Pointing Stick

The pointing stick is a pressure sensitive pointing device that provides all the features of a two-button mouse. Its primary function is to move the cursor around the screen.

Using Your Pointing Stick

Clicking

1. First, place your fingers on the pointing stick.

2. Gently move your finger in the direction you want the cursor to move. The stick detects the change in pressure and moves the cursor in the corresponding direction.

3. The left and right buttons located directly below the pointing stick are the same in function as those on a two-buttoned mouse. Clicking these buttons makes selections, drags objects, or performs a variety of other functions depending on the software. To select an object, first move the pointer over the object you want to select, and then press the left button one time. The functions of these buttons are software specific.

   NOTE The pointing stick also has the ability to do a left button click if it is tapped.

Double-clicking

- *Double-clicking* is a common technique for selecting objects or launching programs from icons. Once you have moved the pointer over the object you wish to select, rapidly press the left button two times. This action is commonly referred to as “double-clicking” an object.

  NOTE Double-clicking can also be accomplished by double-tapping with the pointing stick.

Dragging

- Move the pointer to the desired location then press down the left button. While still holding down the left button, move the pointer to the desired location. Release the button.

- Move the pointer to the desired location. Tap the pointing stick twice quickly as if you were double-clicking, however do not remove your finger after the second tap. Move the cursor to the desired location. Lift your finger to finish dragging.

Adjust the pointing stick settings by selecting Settings/Control Panel/Mouse/Buttons. These settings allow you to change the orientation of the pointing stick from right-handed to left-handed, and fine-tune the pointer movement and timing of clicks.

General Guidelines

The mobile computer uses a Liquid Crystal Display (LCD), which is the type of screen used on many notebook and sub-notebook computers. One problem experienced on computers with an LCD display, especially in cold environments, is that the cursor seems to “disappear” whenever the mouse is moved quickly. To improve the visibility of the mouse cursor, you should:

- Enable the “Pointer Trails” feature to add trailing cursors.

- Use a slow or medium speed/sensitivity level.

You can combine a higher level of acceleration with a slow or medium speed/sensitivity level. This will allow you to move the mouse cursor quickly by increasing your finger pressure, while still providing a finer degree of control when you apply minimum pressure.

NOTE To change the speed of the mouse, from the Start Menu select Settings, Control Panel, and then choose Mouse to make adjustments.

Connecting an External Keyboard or Mouse

You can use your GoBook Pro computer with an optional external keyboard, numeric keypad, or mouse. The devices are “hot swap” capable, which means you do not have to power down the GoBook Pro to connect these devices to the USB connection located on the right side of the unit.

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Disk Drives

The Hard Disk Drive

The hard disk provides high-capacity storage and fast access. Windows and most programs are stored here. Your GoBook Pro identifies the hard disk drive as drive C.

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The PC Card Slot

The PC card slot can be used as an interface between your computer and a variety of communications devices, such as network adapters, SCSI adapters, fax/modems, or they can be used to provide additional data storage capacity. Your computer's PC Card slot supports Type I, or II PC Cards, 32-bit CardBus cards, and Zoomed Video cards. Type III PC Cards require an optional extender card.

Installing a Card

1. The top side of a PC Card is usually identified with a label. Insert the card into the slot with the top up and the edge with pinhole contacts going in first. You will feel some resistance as the card slides into the back of the slot.

2. PC Cards require drivers, or a program that allows the operating system to use a specific device. Many drivers are included with Windows, but if not, you will be prompted to install the driver included with your card.

3. In Windows 98, the computer will beep twice to indicate successful installation. A single beep means that there was a problem recognizing the card. There is no beep with other versions of Windows software .

NOTE Please read the instructions included with individual PC Cards. Some cards may be inserted with power on, while others require that the computer be turned off.

Removing a PC Card

1. If a PC Card is in use, you must shut down the PC Card before removing it.
2. Click the PC Card icon on the right side of the Windows tray taskbar , then click Stop.
3. When the Windows message appears, telling you that it is safe to remove the card, click OK.
4. Press the eject button on the PC Card slot to release the eject button (it is spring loaded and remains hidden until it is pressed).
5. Press the eject button again to release the PC Card.

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Connecting to an External Monitor

The GoBook Pro has a 15-Pin VGA monitor port to connect your computer to an external monitor.

Using the VGA monitor port for dual display

You may use an external monitor simultaneously with your GoBook Pro's LCD.

1. Use the FN+F8 hot keys to cycle through the CRT/LCD settings or do the following:
2. Locate the 15-pin VGA monitor port on the right side panel of your GoBook Pro and connect the video signal cable from the external monitor to the monitor port.
3. Connect the monitor's power cable to a power outlet and turn on the monitor.
4. If the new monitor has not automatically been detected and is not displaying what appears on your GoBook Pro's LCD screen, open the Control Panel.
5. Double-click **Display**. The Display Properties window opens.

6. Click the **Settings** tab.
7. Click the **Advanced** button.
8. Click the **S3DuoVue** tab. The screen shown at the right appears.
9. Select the CRT box to enable display on an external monitor.
10. You can also use the FN+F8 hot keys to cycle through the CRT/LCD settings.

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Making Connections

Your computer is equipped with a full array of ports and connectors, including standard input/output (I/O) ports for quickly and easily adding peripheral devices such as printers and monitors. Refer to documentation included with individual devices for details on connecting these devices to your computer. Your computer may also include modem and LAN (optional) ports, offering advanced communications technology.

3. Making Connections Topics
GoBook Pro Help

Right Side Connectors

1 Serial Port

The 9-pin serial port can be used to connect your computer to serial devices such as fax/modem or serial mouse. This port is identified as COM1 and is 16550A compatible.

2 LAN RJ-45 Jack (optional)

With the built-in Ethernet LAN combo, you can make LAN connections without installing PC cards. Connection speed is 10/100 Mbps.

3 USB (Universal Serial Bus) Ports (2 Connectors)

The Universal Serial Bus (USB) is the latest standard for attaching input devices, scanners, and other devices to a PC. USB devices can be chained together on a single cable. USB is 1.1 compliant.

4 Microphone/Audio Connector

Connect a microphone to this port to record audio. Connect external speakers or a stereo headset to listen to multimedia.

5 External Monitor Connector

Connect an external monitor to this port.

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3. Making Connections Topics
GoBook Pro Help

Left Side Connectors

1 PC-Card Slot

Use this slot to connect PCMCIA-card devices.

2 Fax/modem RJ-11 Jack

The fax/modem can transmit data using the 56 Kbps V.90 protocol, and send and receive faxes at 14.4 Kbps. In some countries, local regulations may not permit the use of the fax/modem designed for this system. In this case, you may use a PCMCIA modem.

CAUTION Plug your modem into an analog telephone jack only. Most homes use analog lines. Do not use digital lines, such as the PBX and ISDN systems found in many offices. Digital lines may damage your modem.

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If You Have a Wireless Modem

If your GoBook Pro computer is equipped with a wireless modem, you must first register it with the

appropriate network provider.

Before using your wireless modem you must sign up for service with a wireless network provider. When you register, you will need to furnish the network provider with your modem ID and the computer's serial number. This information is printed on a label located on the bottom of your GoBook Pro computer.

Registering Your Wireless Modem

Air Card 300 (CDPD)

When the computer is booting, you may be asked if you want to make the Sierra Wireless AirCard 300 your primary network interface card. For this procedure, click Yes and run Wireless Expert.

NOTE Wireless Expert should start automatically.

Call your preferred cellular data provider and tell them the AirCard EID displayed on the first screen. Then follow the on-screen procedures.

Air Card 350 (CDPD)

When the computer is booting, you may be asked if you want to make the Sierra Wireless AirCard 350 your primary network interface card. For this procedure, click Yes and run Wireless Expert.

NOTE Wireless Expert should start automatically.

Call your preferred cellular data provider and tell them the AirCard EID displayed on the first screen. Then follow the on-screen procedures.

RIM 902M (Mobitex) for Cingular

Record the radio ID and the GoBook Pro Serial number as labeled on the bottom of the GoBook Pro or shipping box. With your company registration account information, call Cingular at 1-800-662-4839 and request registration. Run a reliable radio application to verify registration was successful.

Cisco Aironet Wireless LAN

Contact your local area network administrator to setup your computer for your network.

CAUTION Your modem generates radio frequency (RF) signals. Do not operate the radio modem before you have registered it with a network provider. The network will not accept a signal from an

unregistered device. Unauthorized use of your radio modem may interfere with local business or government communications, resulting in fines or other legal action.

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Wireless Modem LED Status

Air Card 300 (CDPD)

The wireless modem is powered ON after reboot, or resume, as indicated by the wireless modem LED activity indicator being a steady green. It can be turned off by right clicking on the PC Card icon in the system task tray, and selecting “Stop Sierra Wireless AirCard 300 CDPD”. It can then be repowered by doing a suspend/resume or a reboot.

Air Card 350 (CDPD)

The wireless modem is powered on after reboot or resume as indicated by the wireless modem LED activity indicator being a steady green. It can be turned off by right clicking on the PC-Card icon in the system task tray, and selecting “ Stop Sierra Wireless AirCard 350 CDPD “. It can then be repowered by doing a suspend/resume or a reboot.

RIM 902M (Mobitex) for Cingular

The wireless modem LED activity indicator has three states when a DataTac wireless modem is installed. They are:

- Solid Green LED – Wireless modem is ON and in range, regardless of the state of the computer
- Flashing Green LED – Wireless modem is ON, and has a Message Waiting from the network
- LED Off – Wireless Modem is OFF. No power is supplied to the wireless modem
- Solid Yellow LED - Wireless modem is ON and out of range
- Flashing Yellow LED - Wireless modem is on and transmitting

Cisco Wireless LAN

The wireless modem is powered ON after initial boot, reboot, or resume as indicated by the wireless modem LED activity indicator being solid green. It can be turned off by right clicking the PC Card icon in the system task tray, then selecting “Stop Cisco Systems 340 Series Wireless LAN Adapter”. It can be repowered by doing a suspend/resume, or by rebooting the computer.

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Installing Your Wireless Modem Software

Installing the Software for Your Wireless Modem

Following are the installation procedures for installing the software for your wireless modem.

Air Card 300 (CDPD)

- Software comes pre-installed

Air Card 350 (CDPD)

- Software comes pre-installed

RIM 902M (Mobitex) for Cingular

The RIM 902M radio is automatically installed through the Plug and Play feature of the Windows operating system. Once installed the radio can be accessed as COM4.

1. To verify the radio is installed and functioning correctly, a hyperterminal session can be used to access RIM’s built in diagnostic program.

2. To access this diagnostic program, create a hyterterminal session direct to COM4 with 8 data bits, no parity, 1 stop bit, and hardware handshaking.

3. Once a connection has been established, type “menu” (lower case, without the quotes) and press

enter. The RIM Diagnostic screen should appear.

This diagnostic program allows the user to send a short message either to yourself or another device on the network. For more information on how use the built-in diagnostics, visit the RIM website at www.rim.net.

Cisco Wireless LAN

- Driver comes pre-installed

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Using Your Wireless Modem

Following are the procedures for using your wireless modem.

Air Card 300 (CDPD)

- Run Watcher from the desktop , or from the Start, Programs, SierraWireless, Aircard3xx menu.
- Verify signal strength is green and radio LED in ON.

Air Card 350 (CDPD)

- Run Watcher from the desktop, or from the Start, Programs, SierraWireless, Aircard3xx menu.
- Verify signal strength is green and radio LED activity indicator is ON.

RIM 902D (Mobitex) for Cingular

- With the exception of the built-in diagnostic program of the RIM radio, there are no standard applications shipped that allow the RIM 902M radio to be used for communication.

The RIM 902M radio understands two protocols: MASC, and; RIM access protocol (RAP). To use the

RIM 902M radio, an application that uses one of these protocols must be installed on the computer and configured to communicate on COM4.

Cisco Wireless LAN

- Go to your preferred LAN application and run normally

CAUTION While the RIM 802 radio is operating, the antenna must be at least 2.0 cm from all persons in order to comply with the FCC RF exposure limit. Radio (wireless modem) operators must make sure their radio unit is in compliance with these FCC regulations. See Optional Equipment and Accessories for important information about vehicle-mounted antennas.

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Power Management

Using the Battery

Monitoring Battery Power

There are two ways to monitor how much power the battery has left.

1. Click Start, Settings, Control Panel, Power Management (Power Options); then click the Power Meter tab.

2. Moving the cursor to the battery icon on the taskbar , without selecting anything, is the simplest way to check on battery power status. The status will show as a pop-up when you mouse-over the icon.

NOTE If you do not see the battery icon on the taskbar, enable it in Start, Settings, Control Panel, Power Management. Choose the Advanced tab and select “Always show icon on the taskbar.”

Low Battery Alarms

How your computer responds to a low battery condition can be set by going to Start, Settings, Control Panel, Power Management, Alarms.

Two different power alarms can be enabled or disabled: the Low Battery Alarm, and the Critical Battery Alarm. Use the slidebar to set the power level at which the alarms are activated. Click on the Action button to choose whether the alarm sounds, displays a message, or both.

CAUTION When battery power is low, the battery LED activity indicator will flash, and the alarm will beep or display a warning on your screen. Take immediate action, such as saving files or connecting to the AC adapter , or data may be lost.

When the computer alerts you that the battery is low, immediately do one of the following:

- Connect the AC power adapter
- Save your work, and suspend to disk (Hibernate) by pressing FN+F10
- Save your work, then select Shut Down from the Start menu
- Press FN+Q to turn off the computer (or suspend to disk) and replace the discharged battery with a charged battery (See Changing the Battery later in this section).

NOTE Do not restart the computer until you have connected to an AC adapter, or replaced the discharged battery with a charged battery.

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Battery Charging

When you use the AC adapter to connect your GoBook Pro to a power outlet, the internal battery will automatically begin to recharge. While the battery is charging, the External Power Battery Charge LED activity indicator on the indicator panel will be flashing. When the battery is fully charged, the External Power Battery Charge LED activity indicator will turn solid.

If your computer is turned off, or suspended to RAM, a fully discharged battery will take about 4 hours

to recharge. If your computer is turned on and is not in suspend mode , it will take about 6 hours to recharge the battery. Refer to the following table:

	Charging	**Discharging**
System On	6 - 7 hours	3-4 hours
System Off (suspend to RAM)	4 hours	—

Power Saving Modes

Adjust the default power management settings in the Power Management (Power Options) dialog box in the Control Panel. The Power Management (Power Options) dialog box allows you to set different actions to take when the computer is left idle for a certain amount of time.

Suspend Mode

There are several possible settings for suspend mode, which can be selected in the Power Management (Power Options) dialog box: You may suspend to RAM, suspend to disk (Hibernate), or disable suspend altogether, which is not recommended.

Suspend to RAM

In a suspend to RAM, the contents of your computer's memory are held intact, while practically all the rest of the components in your computer either turn off completely, or reduce power consumption to a minimum. In a Suspend to RAM, your computer remains active but with the minimum possible power consumption. Return the computer to full power by pressing any key. When the computer returns from suspend mode, the desktop appears with the same files and programs open as when the computer was suspended. A fully-charged battery can maintain a Suspend to RAM for many hours.

Suspend to Disk (Hibernate)

Suspend to Disk (Hibernate) is similar to turning off the computer, except that the current state of the computer is copied to the hard disk as a special file. When the computer returns from suspend mode, the desktop appears with the same files and programs open as when the computer was suspended. Suspend to Disk (Hibernate) is very useful when you don't want to take the time to shut down all open programs one by one to shut off the computer, only to have to open the same programs and files the next time you use the computer. This mode is also called hibernation mode.

Suspend-to-Disk Partition

In order to Suspend to Disk, you must have a special suspend-to-disk partition on your hard disk drive. This partition is pre-installed on your computer. The pre-installed partition is large enough to store all system memory.

Initiating Suspend Mode

There are four ways to initiate suspend mode. The settings can be adjusted in the Power Management dialog box:

- The computer will automatically enter suspend mode when not used for a set period of time
- Selecting the Stand by button in the Shut Down Windows dialog box
- Pressing the suspend/system off function key (FN + Q)
- Closing the lid (display) if enabled in power settings.

Power Saving Tips

- Avoid operating the fax/modem, or audio and video applications when using battery power. Operating a fax modem, video, or audio equipment increases the computer's power requirements.
- Decreasing monitor brightness can also save power. Decrease brightness by pushing FN + F2. Increase it by pushing FN + F3.

When to Replace the Battery

Over time, the battery's capacity gradually decreases. We recommend that you replace your battery when you notice that it begins to store significantly less charge.

Changing the Battery

Change the main battery pack as follows:

1. Turn off the computer.
2. Disconnect external power .
3. Close the display and turn the computer over.
4. slide the latch to the un-locked position and slide the battery out of the compartment.
5. Make sure the replacement battery is properly orientated. Insert the battery into the battery compartment. Check that the latch locks back into position. Slide the latch to the locked position.

Heat Considerations

The computer's processor has been specially designed to consume little power, and generates very little heat. However, working in a hot environment, or working for long periods may raise the temperature. Your computer takes the following steps to lower temperature:

1. The cooling fan is turned on. You may hear the fan and feel air coming from a vent near the left front of the computer when this happens.

If the temperature continues to rise:

2. Processor activity is reduced. You may notice a slight loss of performance when this happens.

If the computer overheats:

3. The processor will stop functioning and the computer will shutdown.

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Customizing Your BIOS Settings

This chapter explains how to use the Setup Utility to modify the BIOS settings. The Setup Utility displays and allows modification of the GoBook Pro components and the configuration of devices that are connected to it. This information is used to test and initialize components at start-up time and to make sure everything runs properly when the system is operating.

The BIOS is installed with a set of default values. You may be able to increase system performance by changing some of the timing values in the Setup Utility, but this can be limited by the kind of hardware you are using. In certain circumstances, the system may generate an error message that asks you to make changes to the CMOS settings using the Setup Utility. This happens when the system finds an error during the POST (Power On Self Test) that it carries out at startup.

If you are not sure how to configure the BIOS settings we suggest that you select *Auto Configuration with Optimal Settings* on the Main Menu screen, then exit saving changes. This loads optimized default settings for normal use.

Using the BIOS Setup Utility

The BIOS Setup Utility allows you to configure your computer's basic settings. When you turn your computer on, the system reads this information to initialize the hardware so that it can operate correctly. Use the BIOS Setup Utility to change your computer's start-up configuration. For example, you can change the security and power management routines of your system.

Starting the BIOS Setup Utility

You can only start the Setup Utility shortly after the computer has been turned on. A prompt appears

on the computer display that says “Press F2 to run Setup.” When you see this prompt, press the **F2** key and the system will start the Setup Utility and display the main menu of the utility.

Navigation and Help

The Menu Bar

The Setup Utility has these six menu options in the Menu Bar at the top of the window:

Main	Use for basic system configuration
Advanced	Use to set the advanced features
Security	Use to set user and supervisor passwords and the backup and virus-check reminders
Power	Use to configure power management features
Boot	Use to select the sequence boot devices that are searched to load an operating system
Exit	Use to exit the current Setup session

The Legend Bar

You can use the keys in the legend bar at the bottom of the Setup Window to make selections or exit the current menu.

Key	Function
F1 or ALT+H	General Help Window
ESC	Exit this menu
Left/Right Arrow Keys	Select a different menu
Up/Down Arrow Keys	Move the cursor up or down between fields
TAB or SHIFT+TAB	Cycle the cursor up and down
HOME or END	Move the cursor to the top or bottom of the window
PgUp or PgDn	Move the cursor to the next or previous page
F5 or -	Select the Previous Value for the field
F6 or + or Space	Select the Next Value for the field
F9	Load the Default Configuration values for this menu
F10	Save and exit
Enter	Execute command or Select Submenu
ALT+R	Refresh the screen

The Field and General Help Windows

The Field Help Window is on the right side of each menu. It displays the help text for the currently selected field. This text updates as you move the cursor from field to field.

The General Help Window describes the legend keys and their alternates. You can display it by pressing **F1** or **ALT+H** on any menu.

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The Main Menu

You can change the system date and time on the main menu and view system and extended memory.

```
                    PhoenixBIOS Setup Utility
  Main      Advanced  Security  Power  Boot  Exit
 System Time          [16:19:20]          Item Specific Help
 System Date:         [03/02/1994]
 Legacy Diskette A    [Disabled]
 Legacy Diskette B    [Disabled]          <Tab>, <Shift-Tab>, or
                                          <Enter> selects the field.
 ▶Primary Master      [IBM-DJSA-220-(PM)]
 ▶Primary Slave       [None]

 ▶Boot Options

 Memory Cache         [Enabled]

 System Memory        640 KB
 Extended Memory      130048 KB

F1   Help  ↕  Select Item   -/+ Change Values        F9  Setup Defaults
ESC  Exit  ↔  Select Menu   Enter Select  ▶Sub-Menu  F10 Save and Exit
```

Field	Setting	Function
System Time	HH:MM:SS	Set the system time
System Date	MM/DD/YYYY	Set the system date
Legacy Diskette A	Disabled	Selects floppy type
Legacy Diskette B	N/A	Selects floppy type
Primary Master	sub-menu	Set drive settings
Primary Slave	sub-menu	Set drive settings
Boot Options	sub-menu	Set boot options
Memory Cache	Enabled	Sets the state of the memory cache

System Memory	N/A	Displays amount of conventional memory detected during boot up
Extended Memory	N/A	Displays the amount of extended memory detected during boot up

Primary Master

The drive type is automatically detected by the BIOS. You can use this menu to view the hard disk configuration.

```
                    PhoenixBIOS Setup Utility
   Main
  Primary Master [IBM-DJSA-220-(PM)]          Item Specific Help

 Type:                    [Auto]              User = you enter
                      LBA Format              parameters of hard-disk
 Total Sectors:           39070080            drive installed at this
 Maximum Capacity:        20004MB             connection.
                                              Auto = autotypes hard-disk
 Multi Sector Transfer:  [16 Sectors]         drive installed here.
 LBA Mode Control:       [Enabled]            1-39 = you select pre-
 32-bit I/O:             [Disabled]           determined type of hard-
 Transfer Mode:          [FPIO 4 / DMA 2]     disk drive installed here.
 SMART Monitoring        [Disabled]           CD-ROM = a CD-ROM drive
 Ultra DMA Mode:         [Disabled]           installed here.
                                              ATAPI Removable =
                                              removable disk drive is
                                              installed here.

F1   Help  ↕  Select Item   -/+ Change Values        F9  Setup Defaults
ESC  Exit  ↔  Select Menu   Enter Select   ▸Sub-Menu  F10 Save and Exit
```

Field	Setting	Function
Type	User None Auto 1-39 CD-ROM ATAPI Removable	**User**=User enters parameters of hard-disk drive **None**=Autotyping is not able to supply the drive type or end user has selected None, disabling any drive that may be installed. **Auto**=Autotyping, the drive itself supplies the correct drive information. **1-39**=User selects pre-determined type of hard-disk drive **CD-ROM**=CD-ROM drive is installed **ATAPI Removable**=removable disk drive is installed
Total Sectors	N/A	
Maximum Capacity	N/A	
Sectors	1 to 63	Number of sectors per track

Multi-Sector Transfers	Disabled Standard 2 sectors 4 sectors 8 sectors 16 sectors	Any selection except Disabled determines the number of sectors transferred per block. Standard is 1 sector per block
LBA Mode Control	Enabled Disabled	Enabling LBA causes Logical block Addressing to be used in place of Cylinders, Heads, & Sectors
32-Bit I/O	Enabled Disabled	Enables 32-bit communication between CPU and IDE card. Requires PCI or local bus.
Transfer Mode	Standard Fast PIO 1 Fast PIO 2 Fast PIO 3 Fast PIO 4	Selects the method for transferring the data between the hard disk and system memory. The Setup menu only lists those options supported by the drive and platform.
SMART Monitoring	Enabled Disabled	Turn on Self-Monitoring Analysis-Reporting Technology, which monitors condition of the hard drive and reports when a catastrophic IDE failure is about to happen
Ultra DMA Mode:	Mode 0 Mode 1 Mode 2 Disabled	

Primary Slave

```
                    PhoenixBIOS Setup Utility
  Main
   Primary Slave [Primary Slave]                  Item Specific Help

Type:                    [Auto]                  User = you enter
                                                 parameters of hard-disk
                                                 drive installed at this
                                                 connection.
Multi Sector Transfer:  [Disabled]               Auto = autotypes hard-disk
LBA Mode Control:       [Disabled]               drive installed here.
32-bit I/O:             [Disabled]               1-39 = you select pre-
Transfer Mode:          [Standard]               determined type of hard-
SMART Monitoring        Disabled                 disk drive installed here.
Ultra DMA Mode:         [Disabled]               CD-ROM = a CD-ROM drive
                                                 installed here.
                                                 ATAPI Removable =
                                                 removable disk drive is
                                                 installed here.
```

```
F1   Help  ↕  Select Item    -/+ Change Values          F9  Setup Defaults
ESC  Exit  ↔  Select Menu    Enter Select   ▸Sub-Menu   F10 Save and Exit
```

Field	Setting	Function
Type	Auto None CD-ROM User	**Auto**=Autotyping, the drive itself supplies the correct drive information. **None**=Autotyping is not able to supply the drive type or end user has selected None, disabling any drive that may be installed. **CD-ROM**=CD-ROM drive is installed **User**=User enters parameters of hard-disk drive
Multi-Sector Transfers	N/A	Specify the number of sectors per block for multiple sector transfers.
LBA Mode Control	N/A	Enabling LBA causes Logical Block Addressing to be used in place of Cylinders, Heads & Sectors.
32 Bit I/O	Disabled Enabled	Enables or disables 32 bit IDE data transfers
Transfer Mode	Standard Fast PIO 1 Fast PIO 2 Fast PIO 3 Fast PIO 4 FPIO 3 / DMA 1 FPIO 4 / DMA 2	Select method for moving data to/from the drive.
SMART Monitoring	N/A	
Ultra DMA Mode	Disabled Mode 0 Mode 1 Mode 2	Selects the Ultra DMA mode used for moving data to/from the drive

Boot Options

```
                PhoenixBIOS Setup Utility
  Main
 ------------------------------------------------------------------------
              Boot Options                        Item Specific Help
 ------------------------------------------------------------------------
  QuickBoot Mode:      [Enabled]                Allows the system to skip
  Summary screen:      [Disabled]               certain tests while
  SETUP prompt:        [Enabled]                booting.  This will
                                                decrease the time needed
                                                to boot the system
 ------------------------------------------------------------------------
 F1   Help  ↕ Select Item   -/+ Change Values          F9  Setup Defaults
 ESC  Exit  ↔ Select Menu   Enter Select   ▸Sub-Menu F10 Save and Exit
```

Field	Setting	Function
QuickBoot Mode	Enabled Disabled	Enabled allows the system to skip certain tests while booting, decreasing the time needed to boot.
Summary Screen	Enabled Disabled	Displays system configuration summary screen during boot up.
SETUP Prompt	Enabled Disabled	Displays "Press <F2> for Setup" during boot up." Disabling this option does not disable <F2>, only the display of the message.

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6. Customizing Your BIOS Topics

GoBook Pro Help

The Advanced Menu

```
                PhoenixBIOS Setup Utility
  Main      Advanced  Security  Power    Boot    Exit
 ------------------------------------------------------------------------
                                                  Item Specific Help
              Setup Warning                       ------------------------
 Setting items on this menu to incorrect
 values may cause your system to malfunction.     Select the operating
                                                  system installed on
                                                  your system which you
  Installed O/S:                [Win98]           will use most commonly.
  Reset Configuration Data:     [No]
                                                  Note:  An incorrect
  ▸I/O Device Configuration                       setting can cause some
```