



# Toshiba Satellite U200 Series User Manual

U200 user's guide



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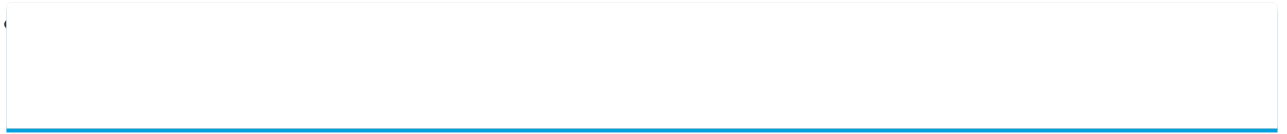
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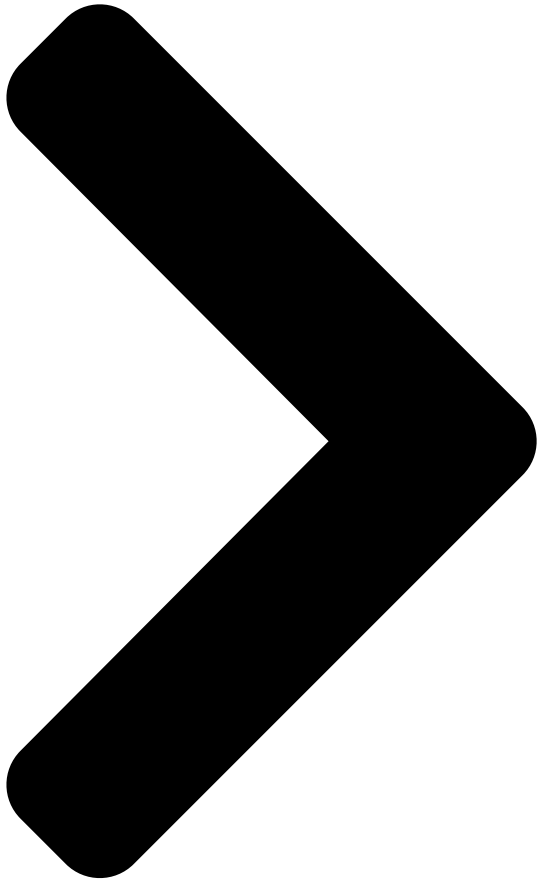
## Bookmarks

## Quick Links

[1 Adding Memory \(Optional\)](#)

[Download this manual](#)

See also: [Maintenance Manual](#) , [Installation Manual](#)



# Satellite

# Series User's Guide

If you need assistance:

**TOSHIBA**



Toshiba's Support Web site

[pcsupport.toshiba.com](http://pcsupport.toshiba.com)



Toshiba Global Support Centre

Calling within the United States (800) 457-7777

Calling from outside the United States (949) 859-4273

For more information, see

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**TOSHIBA**

**U200/U205**



in this guide.

["If Something Goes Wrong" on](#)

PMAD00080011

03/06

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## Related Manuals for Toshiba Satellite U200 Series

[Laptop Toshiba M500 ST5405 - Satellite - Core 2 Duo 2.13 GHz Maintenance Manual](#)

Maintenance manual (374 pages)

[Laptop Toshiba U205-S5002 - Satellite - Core Duo 1.66 GHz User Manual](#)

Toshiba online user's guide for satellite series (279 pages)

[Laptop Toshiba PLUA0C-PT602E User Manual](#)

User manual (236 pages)

[Laptop Accessories Toshiba PA3477U-1B Installation Manual](#)

Bluetooth module installation (38 pages)

[Laptop Toshiba Satellite U205-S5002 Specifications](#)

Satellite u205 series (12 pages)

[Laptop Toshiba Satellite U205-S5034 Specifications](#)

Satellite u205 series (12 pages)

[Laptop Toshiba Satellite U205-S5021 Specifications](#)

Satellite u205 series (11 pages)

[Laptop Toshiba Satellite U205-S5022 Specifications](#)

Satellite u205 series (11 pages)

[Laptop Toshiba Satellite U205-S5044 Specifications](#)

Satellite u205 series (11 pages)

[Laptop Toshiba Satellite U200-ST2092 Specifications](#)

Satellite u200-st2092 series (9 pages)

[Laptop Toshiba Satellite U200-ST2091 Series Specification](#)

Toshiba notebook pc product specification (9 pages)

[Laptop Toshiba Satellite U200-ST3311 Series Specification Sheet](#)

Toshiba laptop pc specification sheet (9 pages)

[Laptop Toshiba Satellite U205-S5057 Detailed Product Specification](#)

Toshiba laptop specification sheet (5 pages)

[Laptop Toshiba Satellite U205-S5058 Specifications](#)

Toshiba satellite u205-s5058: specifications (5 pages)

[Laptop Toshiba Satellite U205-S5067 Specifications](#)

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[Laptop Toshiba Satellite U205-S5068 Specifications](#)

Toshiba satellite u205-s5068: specifications (5 pages)

## Summary of Contents for Toshiba Satellite U200 Series

[Page 1](#) Satellite ® Series User's Guide If you need assistance: ♦ Toshiba's Support Web site pcsupport.toshiba.com ♦ Toshiba Global Support Centre Calling within the United States (800) 457-7777 Calling from outside the United States (949) 859-4273 For more information, see page 180 in this guide.

[Page 2](#) TOSHIBA AMERICA INFORMATION SYSTEMS, INC. ("TOSHIBA"), ITS AFFILIATES AND SUPPLIERS DO NOT WARRANT THAT OPERATION OF THE PRODUCT WILL BE UNINTERRUPTED OR

ERROR FREE. YOU AGREE THAT TOSHIBA,...

[Page 3](#) Only Peripherals complying with the FCC Class B limits may be attached to this equipment. Operation with noncompliant peripherals or peripherals not recommended by Toshiba is likely to result in interference to radio and TV reception. Shielded cables must be used between the external devices and the computer's parallel port, monitor port, USB port, PS/2 port and microphone jack.

#### [Page 4: Industry Canada Requirement](#)

Contact either: ♦ Toshiba's Support Web site at [pcsupport.toshiba.com](http://pcsupport.toshiba.com). ♦ Or call the Toshiba Global Support Centre: Within the United States at (800) 457-7777 Outside the United States at (949) 859-4273 Industry Canada Requirement This Class B digital apparatus complies with Canadian ICES-003.

#### [Page 5: Telephone Company Procedures](#)

If trouble is experienced with this equipment, for repair or limited warranty information, please contact Toshiba Corporation, Toshiba America Information Systems, Inc. or an authorized representative of Toshiba, or the Toshiba Support Centre within the United States at (800) 457-7777 or Outside the United States at (949) 859-4273.

[Page 6](#) provided may not be a 900 number or any other number for which charges exceed local or long-distance transmission charges.) In order to program this information into your fax transmission, refer to the fax software instructions installed on this computer. Alarm Equipment If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this equipment does not disable your alarm...

#### [Page 7: Wireless Interoperability](#)

USOC RJ11C. Wireless Interoperability The TOSHIBA Wireless LAN Mini PCI Card products are designed to be interoperable with any wireless LAN product that is based on Direct Sequence Spread Spectrum (DSSS) radio technology, and is compliant to: ♦...

#### [Page 8: Wireless Lan And Your Health](#)

The radiated output power of the TOSHIBA Wireless LAN Mini PCI Card is far below the FCC radio frequency exposure limits. Nevertheless, the TOSHIBA Wireless LAN Mini PCI Card shall be used in such a manner that the potential for human contact during normal operation is minimized. In normal operating configuration, the LCD in the upright position, the distance between the antenna and the user should not be less than 20 cm.

[Page 9](#) documentation that comes with the product. This device complies with the following radio frequency and safety standards. Canada - Industry Canada (IC) This device complies with RSS 210 of Industry Canada. The installer of this radio equipment must ensure that the antenna is located or pointed such that it does not emit RF field in excess of Health Canada limits for the general population;...

[Page 10](#) EU Declaration of Conformity TOSHIBA declares, that the product: PLU10\* conforms to the following Standards: This product is carrying the CE-Mark in accordance with the related European Directives. Responsible for CE-Marking is TOSHIBA Europe, Hammfelddamm 8, 41460 Neuss, Germany. VCCI Class B Information...

[Page 11](#) 2. If this equipment causes RF interference to other radio stations, promptly change the frequency being used, change the location of use, or turn off the source of emissions. 3. Contact TOSHIBA Direct PC if you have problems with interference caused by this product to Other Radio Stations.

#### [Page 12: Device Authorization](#)

The interference range of this equipment is less than 40m. 2,400 MHz to 2,483.5 MHz. It is possible to avoid the band of mobile object identification systems. 3. TOSHIBA Direct PC Monday - Friday: 10:00 - 17:00 Toll Free Tel: 0120-13-1100...

#### [Page 13: Radio Approvals For Wireless Devices](#)

The following restrictions apply: ♦ Do not disassemble or modify the device. ♦ Do not install the embedded wireless module into other device. ♦ 5.17 GHz to 5.23 GHz for indoor use only. Radio

Approvals for Wireless Devices NOTE The following information is dependent on what type of wireless device is in your computer.

[Page 14](#) Europe - Restrictions for use of 2.4 GHz Frequencies in European Community Countries België/ For private usage outside buildings across public grounds over less than Belgique: 300m no special registration with IBPT/BIPT is required. Registration to IBPT/BIPT is required for private usage outside buildings across public grounds over more than 300m.

[Page 15](#) 802.11a (5 GHz) Australia Canada France Ireland Luxembourg Norway Switzerland Turbo Mode (5 GHz) Canada Europe - Restrictions for use of 5 GHz Frequencies in European Community Countries European Community Countries Austria Belgium, France, Switzerland/Lichtenstein Denmark, Finland, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Sweden, UK...

[Page 16](#) ♦ This device must not be operated in ad-hoc mode using channels in the 5 GHz bands in the European Community. Ad-hoc mode provides a direct communication between two client devices without a Wireless LAN Access Point. ♦ This device must be used with Access Points that have employed and activated a radar detection feature required for European Community operation in the 5 GHz bands.

[Page 17](#) 802.11a (5 GHz) Australia Canada France Ireland Luxembourg Norway Switzerland Turbo Mode (5 GHz) Canada Approved Countries/Regions for use for the Intel Wireless LAN 2100 3B Mini PCI Adapter This equipment is approved to the radio standard by the countries/regions in the following table.

### [Page 18: Bluetooth Wireless Technology Interoperability](#)

Bluetooth Wireless Technology Interoperability ® Bluetooth Cards from TOSHIBA are designed to be interoperable with any product with Bluetooth wireless technology that is based on Frequency Hopping Spread Spectrum (FHSS) radio technology, and is compliant to: ♦ Bluetooth Specification as defined and approved by The Bluetooth Special Interest Group.

### [Page 19: Bluetooth Wireless Technology And Your Health](#)

Always use Bluetooth cards from TOSHIBA in order to enable wireless networks over two or more (up to a total of seven) TOSHIBA portable computers using these cards. Please contact TOSHIBA PC product support on Web site <http://www.toshiba-europe.com/computers/tnt/bluetooth.htm> in Europe or [pcsupport.toshiba.com](http://pcsupport.toshiba.com) in the United States for more information.

### [Page 20: Regulatory Statements](#)

The radiated output power of the Bluetooth Card from TOSHIBA is far below the FCC radio frequency exposure limits. Nevertheless, the Bluetooth Card from TOSHIBA shall be used in such a manner that the potential for human contact during normal operation is minimized.

[Page 21](#) 2. If this equipment causes RF interference to other radio stations, promptly change the frequency being used, change the location of use, or turn off the source of emissions. 3. Contact TOSHIBA Direct PC if you have problems with interference caused by this product to Other Radio Stations.

[Page 22](#) This equipment uses a frequency bandwidth from 2,400 MHz to 2,483.5 MHz. It is impossible to avoid the band of mobile object identification systems. 3. TOSHIBA Direct PC Monday - Friday: 10:00 - 17:00 Toll Free Tel: 0120-13-1100 Direct Dial: 03-3457-5916...

[Page 23](#) Multi-drive or any other optical drive. You could damage the drive. You would also be exposed to laser light or other safety hazards, resulting in serious injury. Always contact an authorized Toshiba service provider, if any repair or adjustment is required.

[Page 24](#) Copyright This guide is copyrighted by Toshiba America Information Systems, Inc. with all rights reserved. Under the copyright laws, this guide cannot be reproduced in any form without the prior written permission of Toshiba. No patent liability is assumed, however, with respect to the use of the information contained herein.

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respective owners. All other brand and product names are trademarks or registered trademarks of their respective companies.

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## [Page 34: Introduction](#)

Introduction Welcome to the world of powerful, portable, multimedia computing. With your Toshiba notebook computer, your work and entertainment can accompany you wherever you Certain Microsoft NOTE computer may use technological measures for copy protection. IN SUCH EVENT, YOU WILL NOT BE ABLE TO USE THE PRODUCT IF YOU DO NOT FULLY COMPLY WITH THE PRODUCT ACTIVATION PROCEDURES.

## [Page 35: This Guide](#)

Toshiba's Web site at While Toshiba has made every effort at the time of publication to ensure the accuracy of the information provided herein, product specifications, configurations, prices, system/ component/options availability are all subject to change without notice.

## [Page 36: Safety Icons](#)

Introduction Safety icons Safety icons This manual contains safety instructions that must be observed to avoid potential hazards that could result in personal injuries, damage to your

equipment, or loss of data. These safety cautions have been classified according to the seriousness of the risk, and icons highlight these instructions as follows: Indicates an imminently hazardous situation which, if not...

### [Page 37: Other Icons Used](#)

Your computer comes with the following documentation: ♦ An electronic version of the user's guide ♦ It may also contain guides for other programs that may come with your system. For accessory information, visit Toshiba's Web site at [accessories.toshiba.com](http://accessories.toshiba.com). Introduction Other documentation...

### [Page 38: Service Options](#)

To stay current on the most recent software and hardware options for your computer, and for other product information, be sure to regularly check the Toshiba Web site at [pcsupport.toshiba.com](http://pcsupport.toshiba.com). If you have a problem or need to contact Toshiba, see "Something Goes Wrong" on page 180. "If...

### [Page 39: Chapter 1: Getting Started](#)

Chapter 1 Getting Started This chapter provides tips for working comfortably, summarizes how to connect components, and explains what to do the first time you use your notebook computer. Selecting a place to work Your computer is portable and designed to be used in a variety of circumstances and locations.

### [Page 40: Keeping Yourself Comfortable](#)

Extreme heat, cold, or humidity. ♦ Liquids and corrosive chemicals. Keeping yourself comfortable The Toshiba Instruction Manual for Safety and Comfort, that shipped with your computer, contains helpful information for setting up your work environment and tips for working comfortably throughout the day.

[Page 41](#) Getting Started Selecting a place to work Never allow any liquids to spill into any part of your computer, and never expose the computer to rain, water, seawater or moisture. Exposure to liquid or moisture can cause electric shock or fire, resulting in damage or serious injury. If any of these eventualities should accidentally occur, immediately: 1.

[Page 42](#) Getting Started Selecting a place to work Some PC Cards can become hot with prolonged use. Overheating of a PC Card can result in errors or instability in its operation. Before you remove a PC Card, always wait for it to cool. You could get burned removing a hot PC Card.

### [Page 43: Important Information On Your Computer's Cooling Fan](#)

Important information on your computer's cooling fan Your computer may have a CPU cooling fan that cools the CPU by drawing outside air into the computer. The cooling fan may be located on the bottom of the computer. To prevent possible overheating of the CPU, make sure the air intake on the cooling fan is not blocked.

### [Page 44: Setting Up Your Software](#)

Getting Started Setting up your computer To register your computer online or to sign up for an Internet account, you must either establish a Local Area Network (LAN) connection, or connect the built-in modem to a telephone line (see line" on page Setting up your software When you turn on the computer for the first time, do not turn off the power again until the operating system has loaded...

### [Page 45: Registering Your Computer With Toshiba](#)

Registering your computer with Toshiba Product registration is strongly recommended, and allows Toshiba to send you periodic updates, announcements, and special offers applicable to your product. Product registration can be completed during the initial start up process of your computer.

### [Page 46: Setting Up Other Devices](#)

As a general safety precaution, avoid touching any metal parts. Always use the Toshiba AC adapter that was provided with your computer, or use Toshiba recommended alternate models to avoid any risk of fire or other damage to the computer. Use of an incompatible AC adapter

could cause fire or damage to the computer, possibly resulting in serious injury.

[Page 47](#) Power cord/cable Sample power cord/cable and AC adapter To connect AC power to the computer: Connect the power cord/cable to the AC adapter. Sample connecting the power cord/cable to the AC adapter Handling the cord on this product will expose you to lead, a chemical known to the State of California to cause birth defects or other reproductive harm.

[Page 48](#) Getting Started Connecting to a power source Plug the AC adapter into the DC-IN on the left side of the computer. Sample connecting the AC adapter to the computer Connect the power cord/cable to a live electrical outlet. The AC power light on the indicator panel glows blue. Never tamper with the cord/cable or plug;...

### [Page 49: Charging The Main Battery](#)

The computer's main battery light gives you an indication of the main battery's current charge:

- ◆ Glows amber while the main battery is being charged (AC adapter connected)
- ◆ Glows blue when the main battery is fully charged
- ◆ Is unlit when the main battery has discharged, the battery is not charging, or the AC adapter is not plugged into the computer or AC outlet
- ◆...

### [Page 50: Using The Computer For The First Time](#)

Getting Started Using the computer for the first time Once the battery is charged for the first time, avoid leaving the computer plugged in and turned off for more than a few hours at a time. Continuing to charge a fully charged battery can damage the battery.

[Page 51](#) Using the computer for the first time Lift the display panel. Sample opening the display panel To avoid damaging the display panel, do not force it beyond the point where it moves easily and never lift the computer by the display panel. Small bright dots may appear on your screen display when you turn on your PC.

### [Page 52: Your Computer's Features And Specifications](#)

Getting Started Using the computer for the first time Your computer's features and specifications Certain notebook chassis are designed to accommodate all possible configurations for an entire product Series. Your select model may not have all the features and specifications corresponding to all of the icons or switches shown on the notebook chassis, unless you have selected all those features.

### [Page 53: Adding Memory \(Optional\)](#)

Adding memory (optional) HINT: To purchase additional memory modules, see the accessories information packaged with your system or visit [accessories.toshiba.com](http://accessories.toshiba.com). Your computer comes with enough memory to run most of today's popular applications. You may want to increase the computer's memory if you use complex software or process large amounts of data.

### [Page 54: Using The Touchpad](#)

Your computer has two memory module slots. Both slots are located under the keyboard and should only be accessed by a Toshiba authorized service provider. NOTE Before adding external devices or memory, Toshiba recommends setting up your software. See software" on page Using the TouchPad...

### [Page 55: Scrolling With The Touchpad](#)

Once you have positioned your cursor, you can click it into place by either double-tapping the TouchPad or clicking the control buttons. Scrolling with the TouchPad There are two active regions on the TouchPad that allow you to scroll as you would with any wheel device on a mouse or trackball.

[Page 56](#) Getting Started Using the TouchPad™ Click the Mouse icon. Click the TouchPAD ON/OFF tab. The TouchPAD ON/OFF tab view window appears. Sample TouchPAD ON/OFF screen Select Disable or Enable, whichever is appropriate. Click Apply. Click OK. The Mouse Properties window closes. Close the Printers and Other Hardware window.

### [Page 57: Using External Display Devices](#)

Using external display devices Your computer comes with a built-in LCD display, but you can also connect an external display device to the available video port: An external monitor or projector via the RGB (monitor) port. Before connecting an external monitor or video projector,

configure your computer for the type of device you are connecting.

### [Page 58: Adjusting The Quality Of The External Display](#)

Getting Started Using external display devices This hot key cycles through the settings in the following order: ♦ Built-in display only ♦ Built-in display and external monitor simultaneously ♦ External monitor only ♦ Built-in display and external monitor (Extended desktop) Release the TECHNICAL NOTE: You can also change these settings using the Display Properties Box.

### [Page 59: Using An External Keyboard](#)

Using an external keyboard If you prefer to use a full-size keyboard, you can attach one to your computer. The computer's USB ports support any USB- compatible keyboard. Using a mouse You may want to use a mouse instead of the computer's built- in TouchPad.

### [Page 60: Setting Up A Printer](#)

Getting Started Connecting a printer To make the connection, you need a suitable USB cable which may come with your printer. If a USB cable was not included with your printer, you can purchase one from a computer or electronics store. If your printer supports Plug and Play, your computer will automatically recognize the printer;...

### [Page 61: Connecting An Optional External Diskette Drive](#)

Connecting an optional external diskette drive Click Add a printer. The Add Printer Wizard appears. Sample Add Printer Wizard Follow the on-screen instructions to set up your printer. Connecting an optional external diskette drive Some operations, such as creating a password service diskette, require a diskette drive designed for use with 3.5- inch diskettes.

### [Page 62: Turning Off The Computer](#)

Getting Started Turning off the computer To connect an optional external USB diskette drive, connect the cable to one of the computer's USB ports. Sample connecting an optional external USB diskette drive Turning off the computer Pressing the power button before shutting down the Windows work.

### [Page 63: Hibernation Mode](#)

Turn Off or Shut Down Factors to consider when choosing either Turn Off or Shut Down: ♦ Use the Turn Off command if you are using Windows XP Home, or either Windows ® Windows XP Media Center Edition (MCE) and are not connected to a domain server.

[Page 64](#) Getting Started Turning off the computer ♦ Because the state of the system is stored on the hard disk, no data is lost if the main battery discharges. ♦ Restarting from Hibernation takes less time and consumes less main battery power than restarting from turning off the computer.

### [Page 65: Using The Turn Off Computer Or Shut Down Commands](#)

♦ When starting up again, the computer returns to the mode in which you left it, including all open programs and files you were using. If you power down using the Standby command and the main battery discharges fully, your unsaved information will be lost. Be sure to save your work first.

[Page 66](#) To use this method, you first need to activate it using Toshiba's Power Saver utility. Click Start, Control Panel, then click Performance and Maintenance. Click the Toshiba Power Saver icon. ® XP Professional or Windows ® dialog box appears.

[Page 67](#) Set this option to Shut down if you want the computer to shut down when you close the display panel. Click Apply. Click OK. For more information about the Power Saver utility, see NOTE "Toshiba Power Saver" on page Getting Started Turning off the computer 154.

### [Page 68: Using And Configuring Hibernation Mode](#)

You can also specify an amount of time after which the computer automatically goes into Hibernation mode. To use any of these methods, you first need to enable them in Toshiba's Power Saver utility. ® dialog box...

[Page 69](#) Click Start, Control Panel, then click Performance and Maintenance. Click the Toshiba



Power Saver icon. Click the Setup Action tab. Select Hibernation for the options you want. ❖ When I press the power button Set this option to Hibernate if you want the computer to go into Hibernation mode when you press the power button.

### [Page 70: Using And Configuring Standby Mode](#)

To use any of these methods, you first need to enable them in Toshiba's Power Saver utility. Click Start, Control Panel, then click Performance and Maintenance. Click the Toshiba Power Saver icon. Click the Setup Action tab. ® dialog box...

### [Page 71: Closing The Display Panel](#)

Click OK. For more information about the Power Saver utility, see NOTE "Toshiba Power Saver" on page Once the computer is configured, you can place it into Standby mode by either pressing the power button or closing the display panel, depending on the Standby options set.

### [Page 72: Caring For Your Computer](#)

You may want to secure your computer to a heavy object such as your desk. The easiest way to do this is to purchase an optional computer lock cable. For more information on purchasing a cable lock, visit accessories.toshiba.com. "Taking care of your battery" on...

[Page 73](#) Sample computer lock cable To secure the computer: Wrap the cable through or around some part of a heavy object. Make sure there is no way for a potential thief to slip the cable off the object. Pass the locking end through the loop. Insert the cable's locking end into the security lock slot on your computer, then engage the locking device.

### [Page 74: Chapter 2: Learning The Basics](#)

Chapter 2 Learning the Basics This chapter gives some computing tips and provides important information about basic features. Computing tips ❖ Save your work frequently. Your work stays in the computer's temporary memory until you save it to the disk. If the network you are using goes down and you must restart your computer to reconnect, or your battery runs out of charge while you are working, you will lose all work since you last saved.

[Page 75](#) ❖ Back up your files to disks (or other removable media) on a regular basis. Label the backup copies clearly and store them in a safe place. It is easy to put off backing up because it takes time. However, if your hard disk suddenly fails, you will lose all the data on it unless you have a separate backup copy.

### [Page 76: Using The Keyboard](#)

Learning the Basics Using the keyboard Using the keyboard Your computer's keyboard contains character keys, control keys, function keys, and special Windows the functionality of a full-size keyboard. Sample keyboard Character keys Typing with the character keys is very much like typing on a typewriter, except that: ❖...

### [Page 77: Ctrl, Fn, And Alt Keys](#)

Your computer's keyboard has only one Most of the time, this does not matter. However, some programs assign separate functions to the right and left keys, or to the regular and numeric pad the full-sized keyboard. Using the these separate keys, as follows: ❖...

### [Page 78: Windows Special Keys](#)

Learning the Basics Using the keyboard Windows special keys Sample Windows special keys Your computer's keyboard has two keys that have special functions in Windows: ❖ Windows key—Opens the Start menu ❖ Application key—Has a similar function as the secondary mouse button Overlay keys The keys with gray numbers and symbols on the front of them form the numeric and cursor overlay.

### [Page 79: Using The Overlay To Type Numeric Data](#)

Using the overlay to type numeric data The keys with the numbers on their right front are the numeric overlay keys. To turn the numeric overlay on, press simultaneously. The numeric mode light on the keyboard indicator panel glows when the numeric overlay is on. To disable the numeric overlay, hold down the press again.

## [Page 80: Starting A Program From The Start Menu](#)

Learning the Basics Starting a program ♦ Use Windows program file ♦ Use the Run dialog box  
The next three sections explain how to start a program from the Start menu, Explorer and the Run dialog box. Starting a program from the Start menu When you install a program, the operating system usually puts an icon in the All Programs menu.

## [Page 81: Starting A Program From The Run Dialog Box](#)

This example opens WordPad using Windows Explorer. Click Start, then point to All Programs. Click Accessories. Click Windows Explorer. Click My Computer to expand the window. In the left part of the window, click the line that ends in "(C:)." In the left part of the window, under the C: icon, double-click the folder containing the program, in this case Program Files.

## [Page 82: Saving Your Work](#)

Learning the Basics Saving your work The Run dialog box appears. Sample Run dialog box In the Run dialog box: ♦ If you know the program's location, type the command line. For a program in the Windows folder, type just the program name. Otherwise, type the full file path.

## [Page 83: Saving Files](#)

TECHNICAL NOTE: Save your data even when you are using the Standby command, in case the main battery discharges before you return to work. Saving documents is quick and easy, so it is a good idea to get in the habit of saving frequently. Many programs offer a feature that saves documents at regular intervals.

## [Page 84: File Names](#)

Learning the Basics Saving your work Choose the drive and folder where you want your file to be stored. Type a file name, then click Save. HINT: To make another copy of the file you are currently working with, choose Save As from the File menu and give the new file a different name.

## [Page 85: Printing Your Work](#)

Printing your work Ensure the operating system is set up for your printer as described in HINT: You only need to set up the printer the first time you connect it. If you use more than one printer or are changing printers, you will need to set up the Windows system to run with the additional printer(s).

## [Page 86: Backing Up Your Work](#)

Learning the Basics Backing up your work Backing up your work Back up all the files you create in case something happens to your computer. You can back up your files to different types of media such as CDs, DVDs, diskettes, or to a network, if available.

## [Page 87: Using The Optical Drive](#)

Using the optical drive Optical storage has become the preferred medium for software, music, and video. Digital versatile discs (DVDs) provide a significant increase in data storage and support features that are not available on any other video platform. These features include wide-screen movies, multiple language tracks, digital surround sound, multiple camera angles, and interactive menus.

## [Page 88: Optical Drive Components](#)

Learning the Basics Using the optical drive Optical drive components The optical drive is located on the right side of the computer. Your optical drive may look like this: Drive in-use indicator light Eject button Manual eject hole Sample optical drive Drive in-use indicator light—Indicates when the drive is in use.

## [Page 89: Media Control Buttons](#)

Media Control buttons The Media Control buttons above the computer keyboard allow you to access the Internet when the computer is on, and to play audio CDs or DVD movies. Play/Pause Media Launch Internet Sample CD Player Media Control buttons Internet button—Launches Internet Explorer if the power is on, or turns on the power and launches Internet Explorer if the power is off.

[Page 90](#) Learning the Basics Using the optical drive Press the drive's eject button. The disc

tray slides partially out of the drive (about 1 inch). HINT: The drive will not open if the computer's power is off. Grasp the tray and pull it fully open. Sample drive tray fully extended Hold the disc by its edges and check that it is free of dust.

### [Page 91: Playing An Audio Cd](#)

If you insert the disc incorrectly, it may jam the drive. If this happens, contact Toshiba support for assistance. Push the disc tray in by pressing gently on the center of the tray until it clicks into place.

[Page 92](#) Learning the Basics Using the optical drive Stop button Play/pause button Sample Windows Media Player screen The Windows Media Player control panel works much like an ordinary compact disc player: ♦ To play the CD or to pause, click the Play/pause button. ♦...

### [Page 93: Playing Cds](#)

Playing CDs If you insert a CD into the optical drive and the Auto-Run feature does not automatically start your disc, try launching the CD manually. To do this, follow these steps: Open the Start menu and select My Computer. Click the optical drive icon.

### [Page 94: Removing A Disc With The Computer On](#)

PCs or optical media players. These problems are not due to any defect in your Toshiba PC or optical drive. Please refer to your PC's product specification for listing of specific format compatibilities.

### [Page 95: Removing A Disc With The Computer Off](#)

Removing a disc with the computer off Insert a slender object, such as a straightened paper clip, into the manual eject hole. The disc tray slides partially out of the drive (about 1 inch). Never use a pencil to press the manual eject button. Pencil lead can break off inside the computer and damage it.

### [Page 96: Toshiba's Online Resources](#)

Learning the Basics Toshiba's online resources Toshiba's online resources Toshiba maintains a number of online sites to which you can connect. These sites provide information about Toshiba products, give help with technical questions and keep you up to date with future upgrades. For more information, see "Contacting Toshiba"...

### [Page 97: Chapter 3: Mobile Computing](#)

Many of these energy-saving features have been set by Toshiba. We recommend you leave these features active, allowing your computer to operate at its maximum energy efficiency, so that you can use it for longer periods while traveling.

### [Page 98: Battery Notice](#)

Published battery life numbers are achieved on select models and configurations tested by Toshiba at the time of publication. Recharge time varies depending on usage. Battery may not charge while the computer is consuming full power.

### [Page 99: Power Management](#)

Users who are not completely familiar with the power management component of the system should use the preset configuration. For assistance with setup changes, contact Toshiba's Global Support Centre. Using additional batteries In addition to the main battery, you may also have an optional second battery (not included with your computer).

### [Page 100: Charging Batteries](#)

Doing so may reduce the potential charge of the battery. Use only battery chargers designed to work with your notebook computer. You can order a Toshiba battery charger from Toshiba's Web site at [accessories.toshiba.com](http://accessories.toshiba.com). Battery charge time may vary depending on the applications, NOTE power management settings, and features used.

### [Page 101: Charging The Rtc Battery](#)

The battery may not start charging immediately under the following conditions: ♦ The battery is extremely hot or cold. To ensure that the battery charges to its full capacity, wait until it

reaches room temperature (50 to 80 degrees Fahrenheit, 10 to 26 degrees Celsius).

### [Page 102: Monitoring Main Battery Power](#)

Mobile Computing Monitoring main battery power The above error message may vary by computer model. NOTE The RTC battery does not charge while the computer is turned off even when the AC adapter is charging the computer. The RTC battery charges when the computer is powered on.

[Page 103](#) ♦ Is unlit when the battery has discharged, the battery is not charging, or the AC adapter is not plugged into the computer or AC outlet. Battery life and charge time may vary, depending upon power management settings, applications and features used. ♦...

### [Page 104: Determining Remaining Battery Power](#)

The computer needs this time to check the battery's remaining capacity and perform its calculations. Click Start, Control Panel, Performance and Maintenance, and then Toshiba Power Saver. Click the Toshiba Power Saver icon. The Power Saver Properties window appears. On/off light...

### [Page 105: What To Do When The Main Battery Runs Low](#)

The remaining battery charge is indicated on the left side of the dialog box. With repeated discharges and recharges, the battery's capacity gradually decreases. A frequently used older battery does not power the computer for as long as a new battery, even when both are fully charged.

### [Page 106: Setting Battery Alarms](#)

To change the default alarm settings: Click Start, Control Panel, Performance and Maintenance, and then Toshiba Power Saver. Click the Setup Action tab. Configure the Alarm settings to suit your needs. Conserving battery power...

### [Page 107: Power Profiles](#)

Toshiba has combined these options into preset Power Profiles. Using one of these profiles lets you choose between maximum power savings and peak system performance. You may also set individual power-saving options to suit your own needs.

[Page 108](#) While continuing to press desired Power Profile. The Power Profile options are: Full Power, AC Optimized, High Power, Normal, DVD Playback, Presentation, and Long Life. "Toshiba Power Saver" on simultaneously to display the Power Profile , press until you select the...

### [Page 109: Changing The Main Battery](#)

Using a battery pack other than one supplied or specified by Toshiba (part number: PABAS071) for this PC would interfere with the computer's display when open and could damage the LCD display panel.

### [Page 110: Removing The Battery From The Computer](#)

Mobile Computing Changing the main battery When your main battery has run out of power, you have two options: plug in the AC adapter or install a fresh main battery. TECHNICAL NOTE: To avoid losing any data, save your files and then either completely shut down your computer or put it into Hibernation mode before changing the main battery.

### [Page 111: Inserting A Charged Battery](#)

Slide the battery release latch to release the battery. Pull the discharged battery out of the computer. Sample removing the battery If the battery is leaking or its case is cracked, put on protective gloves to handle it, and discard it immediately. Always dispose of used battery packs in compliance with all applicable laws and regulations.

### [Page 112: Taking Care Of Your Battery](#)

Mobile Computing Taking care of your battery If the battery does not slide into the slot easily, move the battery release lock to the unlocked position and try again. Do not force the battery into position. Sample inserting the battery Slide the battery lock to the locked position.

### [Page 113: Maximizing Battery Life](#)

If a battery is leaking or damaged, replace it immediately. Use protective gloves when handling a damaged battery. ♦ To replace the main battery, use an identical battery that you can purchase through the Toshiba Web site at [accessories.toshiba.com](http://accessories.toshiba.com). ♦ A reverse polarity condition should be avoided with all batteries.

[Page 114](#) Mobile Computing Taking care of your battery Operate the computer on battery power for five minutes. If the battery pack has at least five minutes of operating time, continue operating until the battery pack is fully discharged. If the battery light flashes or there is some other warning to indicate a low battery, go to step 4.

### [Page 115: Disposing Of Used Batteries](#)

Please be kind to our shared environment. Check with your local government authority for details regarding where to recycle old batteries or how to dispose of them properly. If you cannot find the information you need elsewhere, call Toshiba at: (800) 457-7777. Mobile Computing Disposing of used batteries...

### [Page 116: Traveling Tips](#)

♦ Always travel with the computer in a carrying case. Toshiba offers a choice of carrying cases for the computer. They all provide plenty of extra space for manuals, power cords, and compact discs. Contact your authorized Toshiba representative for more information.

### [Page 117: Chapter 4: Exploring Your Computer's Features](#)

Chapter 4 Exploring Your Computer's Features In this chapter, you will explore some of the special features of your notebook computer. Exploring the desktop The desktop is the launching pad for everything you can do in ® the Windows programs, find documents, set up system components, and perform most other computing tasks.

### [Page 118: Finding Your Way Around The Desktop](#)

Exploring Your Computer's Features Exploring the desktop Finding your way around the desktop Your computer's desktop includes several standard features: icons, Start button, taskbar, System tray, and background pattern. Icons Start button Sample Windows Icons An icon represents a folder, file, or program that can be quickly activated by double-clicking the icon.

[Page 119](#) The icons initially displayed on your system desktop include: Recycle Bin — Holds files you have deleted. You may be able to retrieve these files until you empty the Recycle Bin. TECHNICAL NOTE: If you delete a file from a diskette, it does not go into the Recycle Bin.

### [Page 120: Setting Up For Communications](#)

Exploring Your Computer's Features Setting up for communications Taskbar Each time you open a program, a button associated with that program appears on the taskbar. With some programs, a button appears on the taskbar for each document or window you open. You can use these buttons to quickly switch between the programs or windows.

[Page 121](#) Exploring Your Computer's Features Determining the COM port Your modem is connected to one of the computer's COM (communications) ports. The default setting for the modem is COM3. The following procedure is intended to support you if you need to either upgrade your modem or reset the port to the default settings.

### [Page 122: Connecting The Modem To A Telephone Line](#)

Send a fax directly from your computer. For more detailed information regarding your computer's modem, visit Toshiba's Web site at [accessories.toshiba.com](http://accessories.toshiba.com). Before you can communicate using the modem, you need to connect it to a telephone line. Your computer's built-in modem port provides an RJ-11 jack, allowing you to connect the modem to a standard voice-grade telephone line.

[Page 123](#) Exploring Your Computer's Features Plug one end of a telephone cable (purchased separately) into the modem port on the left side of the computer. Sample connecting the telephone cable to the modem port Connect the other end to the RJ-11 wall jack. Sample connecting to a wall jack The modem is designed for use with a standard analog telephone line.

## [Page 124: Connecting Your Computer To A Network](#)

Exploring Your Computer's Features Setting up for communications Connecting your computer to a network You can connect your computer to a network to increase its capabilities and functionality using one of its communication ports. Accessing a network To access a network: ♦...

[Page 125](#) How to disable the Ethernet LAN Port When your computer starts, Windows attempts to contact a Dynamic Host Configuration Protocol (DHCP) server. If the computer is not connected to a network, it may pause a few minutes as it waits for a reply. To avoid this delay, you can reconfigure Windows to disable the LAN port.

## [Page 126: An Overview Of Using The Internet](#)

Exploring Your Computer's Features An overview of using the Internet Your system may come with an optional wireless LAN module. This is a technology that expands wireless communication beyond networking equipment, and can connect many different kinds of electronic devices without the need for cables.

## [Page 127: The Internet](#)

The Internet The Internet is an association of thousands of networks and millions of computers around the world connected by communications lines. They all work together to share information. The World Wide Web The World Wide Web (or "Web") is a subset of the Internet —...

## [Page 128: Surfing The Internet](#)

Exploring Your Computer's Features An overview of using the Internet The Microsoft automatically configured on your system so that when you first start it, it guides you through signing up for a new ISP account, or assists you in setting up your computer to work with your existing ISP.

## [Page 129: Internet Features](#)

Internet features The Internet offers many types of communication tools to help you perform many tasks. ♦ Internet email To send and receive email of your own, you need a mailbox on the Web or an email address. If you have an account with an ISP, you can probably set up an email address at the same time you sign up for the service.

## [Page 130: Uploading To, And Downloading Files From, The Internet](#)

Exploring Your Computer's Features Exploring audio features Uploading to, and downloading files from, the Internet Transferring files from one computer to another is termed uploading (transferring data from your computer to a site on the Web), or downloading (transferring data from a site on the Web to your computer).

## [Page 131: Using A Microphone](#)

Using a microphone Connect an external microphone to the computer. Click Start, point to All Programs, Accessories, Entertainment, then click Sound Recorder. Positioning Sample Sound Recorder screen Click the Record button. Speak normally into the microphone. When you have finished recording, click the Stop button. The Sound Recorder window displays the new sound file as a waveform.

## [Page 132: Using External Speakers Or Headphones](#)

Exploring Your Computer's Features Exploring audio features Using external speakers or headphones Your computer is equipped with a full stereo sound system with internal speakers. Instead of using the internal speakers, you can connect headphones or a pair of external stereo speakers.

## [Page 133: Using Pc Cards](#)

Using PC Cards TECHNICAL NOTE: For PCMCIA-compatible PC Cards, check the package to make sure they conform to the PCMCIA 2.1 standard (or later). Other cards may work with your computer, but are likely to be much more difficult to set up and use. Your notebook computer comes with a PC Card slot and supports two types of PC Cards: ♦...

## [Page 134: Removing A Pc Card](#)

Exploring Your Computer's Features Using PC Cards When the card is almost all the way into the slot, push firmly but gently to ensure a firm connection with the computer. Do not force the card into position. Removing a PC Card Prepare the card for removal by right-clicking on the Safely Remove Hardware icon on the system tray and then selecting the card or device you want to remove.

## [Page 135: Setting Up A Pc Card For Your Computer](#)

Setting up a PC Card for your computer Some PC Cards are ready to use as soon as you install them. Others, such as hard disk cards, network cards, and SCSI adapters, may need to be set up to work with your computer. To set up your PC Card, refer to the documentation that came with the card or refer to your operating system manual or online Help.

## [Page 136: Removing Memory Media](#)

Exploring Your Computer's Features Using the Bridge Media Adapter Slot Push the media into the adapter until it locks in place. Sample inserting memory media When inserting memory media, do not touch the metal contacts. You could expose the storage area to static electricity, which can destroy data.

## [Page 137: Using The I.link® Port](#)

Grasp the card and pull it straight out. Sample removing memory media Do not remove memory media while data is being written or read. Even when the Windows message "copying..." disappears, writing to the media might still be in progress and your data could be destroyed.

## [Page 138: Chapter 5: Toshiba Utilities](#)

Your computer includes several utilities designed to help you reconfigure your system to best meet your individual needs. Together, these allow you to determine certain system details, set additional options, or change default options. This chapter describes the utilities supplied by Toshiba: ♦ Toshiba Assist ♦...

## [Page 139: Toshiba Assist](#)

Toshiba Assist The Toshiba Assist provides quick access to computer functions and allows you to customize a range of computer settings. To access Toshiba Assist, do one of the following: ♦ Double-click the Toshiba Assist shortcut icon on the desktop.

## [Page 140: Connect](#)

Toshiba Utilities Toshiba Assist The Toshiba Assist offers four categories of options: ♦ Connect ♦ Secure ♦ Protect & Fix Connect The features available in this category are: ♦ ConfigFree ♦ Start Bluetooth ♦ Bluetooth Settings ♦ Bluetooth Local COM Settings Sample Toshiba Assist -...

## [Page 141: Secure](#)

Secure The features available in this category are: ♦ User password ♦ Supervisor password Sample Toshiba Assist window - Secure tab Toshiba Utilities Toshiba Assist...

## [Page 142: Protect & Fix](#)

Toshiba Utilities Toshiba Assist Protect & Fix The features available in this category are: ♦ PC Diagnostic Tool Utility Sample Toshiba Assist window - Protect & Fix tab...

## [Page 143: Optimize](#)

Toshiba SD™ Memory Card Format Utility ♦ Toshiba Power Saver ♦ Mouse Utility ♦ Toshiba Hardware Setup ♦ Toshiba Zooming Utility ♦ Toshiba Button Controls ♦ CD/DVD Drive Acoustic Silencer ♦ Toshiba Accessibility Sample Toshiba Assist window - Optimize tab Toshiba Utilities Toshiba Assist Fn-esse®...

## [Page 144: Setting Passwords](#)

When you set a password, you must enter the password before you can work on your computer again. Toshiba supports several types of passwords on your computer: ♦ An instant password — Secures your open programs and files when leaving the computer temporarily.



## [Page 145: Setting A User Password](#)

Setting a user password To register a password for the power-on password functions: Click Start, All Programs, Toshiba, Utilities, then click Toshiba Assist. The Toshiba Assist window appears. On the left side, select Secure.

## [Page 146: Using A Supervisor Password](#)

A supervisor password prevents other users from changing hardware configuration options. Setting a supervisor password If you choose to set a supervisor or user password, Toshiba strongly recommends that you save your password in a location where you can later access it should you not remember it.

## [Page 147: Deleting A Supervisor Password](#)

Click OK to exit. Deleting a supervisor password To cancel the power-on password function: Click Start, All Programs, Toshiba, Utilities, then click Toshiba Assist. The Toshiba Assist window appears. Toshiba Utilities...

## [Page 148: Fn-Esse](#)

Follow the on-screen instructions to remove the supervisor password. ® Fn-esse Desktop shortcuts and Toshiba's Fn-esse program provide quick ways to open programs, documents, and folders from within any Windows For more information on creating desktop shortcuts, refer to the operating system documentation that came with your computer.

## [Page 149: Starting Fn-Esse](#)

® Starting Fn-esse Click Start, All Programs, Toshiba, Utilities, Fn-esse, or click the Hotkey Assignment icon in the Optimize tab of Toshiba Assist. The Fn-esse keyboard appears. Sample Fn-esse window The keys are color-coded as follows: ♦ Available keys are dark gray with white letters.

## [Page 150: Using The Keyboard Or Pointing Device To Assign A Key](#)

Toshiba Utilities Fn-esse Resize the Explorer window so that you can see both the Fn-esse keyboard and Explorer at the same time. In the Explorer window, highlight the program or document file you wish to assign to a key. Click and hold the primary button as you drag the highlighted item from Explorer to the key on the Fn-esse keyboard which you are assigning to the item.

[Page 151](#) Explorer window displays the folders in the All Programs menu. The right side lists the programs and documents in the folder. These are the items that will appear in the popup list. Toshiba Utilities Fn-esse "Making a direct key assignment" ®...

## [Page 152: Viewing Existing Key Assignments](#)

Toshiba Utilities Fn-esse To create a popup list with items from various folders, or to pick only a few items from a folder, create a new folder containing only the desired programs and documents. If you are unsure how to do this, refer to your operating system documentation.

## [Page 153: Pc Diagnostic Tool Utility](#)

Refer to the online Help documentation within the application for additional help. To use the PC Diagnostic Tool utility: Click Start, All Programs, Toshiba, Utilities, then PC Diagnostic Tool, or click the PC Diagnostic Tool icon in the Protect & Fix tab of The PC Diagnostic Tool window appears.

## [Page 154: Toshiba Power Saver](#)

The Toshiba Power Saver Properties window appears. Sample Toshiba Power Saver Properties window The Profile panel on the left of the Toshiba Power Saver Properties window shows the power profiles used to control power usage for both AC power and battery power, as well as the estimated battery life for each power profile.

## [Page 155: Preset Power Profiles](#)

Customizing a power profile Select the profile to be customized in the Profile panel. Make the desired changes to the settings on the Basic Setup tab and the Setup Action tab. Click Apply,



then OK. Toshiba Utilities Toshiba Power Saver...

### [Page 156: Mouse Utility](#)

Toshiba Utilities Mouse Utility Mouse Utility The Mouse utility allows you to change your pointing device or mouse settings. To access the Mouse utility: Click Start, Control Panel, Mouse, or click the Mouse icon in the Optimize tab of The Mouse Properties screen appears.

### [Page 157: Toshiba Hotkey Utility](#)

Toshiba Hotkey Utility The Toshiba Hotkey utility allows you to receive a confirmation message when you use the Hotkey combination for Standby [ To activate the Hotkey utility: Click Start, All Programs, Toshiba, Utilities, Hotkey utility. The Toshiba Hotkey window appears.

### [Page 158: Toshiba Hardware Setup](#)

Toshiba Hardware Setup is the Toshiba configuration management tool available through Windows. To access it: ♦ Click Start, All Programs, Toshiba, Utilities, Assist, or click the Toshiba Hardware Setup icon in the Optimize tab of Toshiba The Toshiba Hardware Setup screen appears.

[Page 159](#) LAN—Allows you to set networking functions. By changing any of the options that appear in the dialog boxes and clicking Apply, you can reconfigure that function. Any options that you change will become default settings when you restart your system. Toshiba Utilities Toshiba Hardware Setup...

### [Page 160: Toshiba Zooming Utility](#)

Adobe ♦ Icons on the desktop To access the Zooming utility: Click Start, All Programs, Toshiba, Utilities, Toshiba Zooming Utility, or click the Zooming Utility icon in the Optimize tab of The Toshiba Zooming Utility Properties screen appears. Sample Toshiba Zooming Utility Properties screen Select the desired option(s).

### [Page 161: Toshiba Sd Memory Card Format Utility](#)

The zoom in and zoom out hot keys will now work with the applications you selected. To zoom in, hold down the hold down the For more information about how to use the Toshiba Zooming utility, right click the Help.™ ...

### [Page 162: Toshiba Button Controls](#)

Toshiba Assist and Toshiba Presentation buttons. Those buttons are located just above the function keys at the top of the keyboard. To access Toshiba Button Controls: Click the Toshiba Button Control icon in the Optimize tab Toshiba The Toshiba Controls Properties window appears. Assist.

### [Page 163: Cd/Dvd Drive Acoustic Silencer](#)

Sample Toshiba Button Controls screen Select the button whose function is to be customized. Make the desired selections. Click Apply, then click OK. CD/DVD Drive Acoustic Silencer This utility can slow the speed of your optical drive to make it run more quietly.

[Page 164](#) Toshiba Utilities CD/DVD Drive Acoustic Silencer Sample CD/DVD Drive Acoustic Silencer screen To access the utility: Double-click the icon in the task tray, or click the CD/DVD Drive Acoustic Silencer icon in the Optimize tab of Assist. The CD/DVD Drive Acoustic Silencer screen appears.

### [Page 165: Toshiba Accessibility](#)

Toshiba Accessibility The Toshiba Accessibility utility allows you to use the to create a hot key combination with one of the function keys without pressing the two keys simultaneously as is usually required. Using Accessibility lets you make the sticky key, meaning you can press it once, release it, and then press a function key to activate the hot key function.

### [Page 166: Trusted Platform Module \(Tpm\)](#)

(available on certain models.) This section only applies to systems with TPM. NOTE Your Toshiba computer includes the TPM (Trusted Platform Module) which is a security encryption device for your system's hard disk drive. TPM is already included on your system, but needs to be installed

and enabled using the following procedures.

### [Page 167: Fingerprint Authentication Utility](#)

Toshiba does not guarantee that the fingerprint utility will accurately screen out unauthorized users at all times. Toshiba is not liable for any failure or damage that might arise out of the use of the fingerprint software or utility.

[Page 168](#) Toshiba Utilities Fingerprint Authentication Utility To enroll a new fingerprint: Click Start, Protector Suite QL, then Control Center. Click the Fingerprints topic in the Control Center. Click the Enroll or Edit Fingerprints wizard. Enter your credentials. Complete the Fingerprint tutorial.

### [Page 169: Fingerprint Logon](#)

B (who is already enrolled), the utility recognizes the fingerprint and switches the users. If your system supports power-on security, existing fingerprint samples can be used also for power-on authentication. Toshiba Utilities Fingerprint Authentication Utility ® user account. ® operating...

### [Page 170: Power-On Security](#)

Toshiba Utilities Fingerprint Authentication Utility Power-on Security The power-on security feature prevents unauthorized access to your computer when it is turned off by requiring the user to pass fingerprint authentication. If fingerprint authentication fails, the user will not be able to start the computer.

### [Page 171: Control Center](#)

After you enroll your fingerprints, they are associated with your user name and password. The next time you log in, you can use your fingerprints instead of your user name and password. Toshiba Utilities Fingerprint Authentication Utility...

[Page 172](#) Toshiba Utilities Fingerprint Authentication Utility ♦ Delete—In convenient mode, deletes all fingerprints for the current user. In secure mode, only administrators can delete data for users. ♦ Import or Export User Data—Existing fingerprints can be exported to a \*.vtp file and imported back to your fingerprint software.

### [Page 173: Password Bank](#)

Password Bank. To display and fill in a registered page in your default Web browser, click it in the list. ♦ Register—Registers a new window (dialog or Web page). ♦ Lock/unlock My Safe—Opens or closes My Safe folder. Toshiba Utilities Fingerprint Authentication Utility...

[Page 174](#) Toshiba Utilities Fingerprint Authentication Utility ♦ Control Center—Displays Control Center. ♦ Help—Displays this help file. Registering a new Web page or dialog You are logged on to the computer and want to register a new Web page. To create a new registration: Display a Web page you want to register.

[Page 175](#) Sometimes it is useful to edit an existing registration. For example, your company's address may have changed and you want to update your registrations. To edit an existing registration: Click the Settings topic in the Control Center. Click User Settings. Verify your fingerprint. Select Registrations. Toshiba Utilities...

[Page 176](#) Select a registration. Click Delete. How to Delete the Fingerprint Data Fingerprint data is stored in the non-volatile memory. If the computer changes ownership, Toshiba recommends the following procedure: Click Start, All Programs, Protector Suite QL then click Control Center.

### [Page 177: Care And Maintenance Of Your Fingerprint Reader](#)

Static electricity is a common cause of reader failures, especially during dry seasons such as winter. ♦ Clean the reader with a lint-free cloth. Do not use detergent to clean the reader. Fingerprint Authentication Utility key and select each fingerprint until they Control Toshiba Utilities...

[Page 178](#) Toshiba Utilities Fingerprint Authentication Utility ♦ Avoid the following finger conditions for enrollment or recognition as they may result in fingerprint enrollment errors or a drop in the fingerprint recognition success rate. ♦ Soaked or swollen finger (e.g. after taking

bath) ♦...

### [Page 179: Fingerprint Reader Limitations](#)

Toshiba does not guarantee that the fingerprint reader will recognize the enrolled user or accurately screen out unauthorized users at all times. Toshiba is not liable for any failure or damage that might arise out of the use of this fingerprint recognition software or utility.

### [Page 180: Chapter 6: If Something Goes Wrong](#)

This chapter aims to help you solve many problems by yourself. It covers the problems you are most likely to encounter. If all else fails, contact Toshiba. You will find information on Toshiba's support services at the end of this chapter. Problems that are easy to fix Your program stops responding.

[Page 181](#) Click the Applications tab. If a program has stopped responding, the words "not responding" appear beside its name in the list. Select the program you want to close, then click End Task. Closing the failed program should allow you to continue working.

### [Page 182: Problems When You Turn On The Computer](#)

If Something Goes Wrong Problems when you turn on the computer To record the details: Click the Details button and select the text the operating system displays. The Details button displays information that the software manufacturer needs to help you solve your problem. Press Ctrl clipboard.

[Page 183](#) Problems when you turn on the computer The computer starts but when you press a key nothing happens. Verify that the active program accepts text input. Try clicking your mouse on an area where you can type text and try typing again.

### [Page 184: The Windows Operating System Is Not Working](#)

If Something Goes Wrong The Windows® operating system is not working If you are running on battery power, it is recommended that you do not leave the computer in Standby mode for long periods of time. To charge the battery, leave the computer plugged into a live wall outlet for several hours.

### [Page 185: Using Startup Options To Fix Problems](#)

The Windows® operating system is not working Using Startup options to fix problems If the operating system fails to start properly, you may have to change your system's configuration or verify the startup procedure to fix the problem. To do this, use the options in the Startup menu.

### [Page 186: Internet Problems](#)

If Something Goes Wrong The Windows® operating system is not working Internet problems My Internet connection is very slow. Many factors contribute to the speed with which you can surf the Internet. They include: modem speed, telephone line conditions, time of day (when everyone else is surfing, your access can be slow) and popularity of the sites you are trying to access.

### [Page 187: Resolving A Hardware Conflict](#)

You can connect to Support Online by clicking Support from the menu or by going to pcsupport.toshiba.com. Resolving a hardware conflict If you receive an error message telling you there is a device driver conflict or a general hardware problem, try using the ®...

### [Page 188: Resolving Hardware Conflicts On Your Own](#)

If Something Goes Wrong Resolving a hardware conflict Resolving hardware conflicts on your own Computer components need resources to accomplish a task. A device, such as a disk drive or a modem, needs a channel to the computer's Central Processing Unit (CPU). It also needs a direct channel to the computer's memory to store information as it works.

### [Page 189: Fixing A Problem With Device Manager](#)

If you install an older (legacy) device that the operating system cannot recognize, the operating system may have difficulty assigning resources to it. As a result, a hardware conflict can occur. Resolving conflicts There are several things you can do to resolve hardware conflicts: ♦...

[Page 190](#) If Something Goes Wrong Resolving a hardware conflict Disabling a device Click Start, Control Panel, then click Performance and Maintenance. Click the Administrative Tools icon. Double-click Computer Management, then click Device Manager. Select the specific device from the device category. To expand a device category, double-click the category.

### [Page 191: Memory Problems](#)

Your computer has two memory module slots. Both slots are located under the keyboard and should only be accessed by a Toshiba authorized service provider. TECHNICAL NOTE: You must have at least one memory module installed for the computer to work.

### [Page 192: Power And The Batteries](#)

If Something Goes Wrong Resolving a hardware conflict Power and the batteries Your computer receives its power through the AC adapter and power cord/cable or from the system batteries (battery, optional high-capacity battery and real-time clock (RTC) battery). Power problems are interrelated. For example, a faulty AC adapter or power cord/cable will neither power the computer nor recharge the batteries.

### [Page 193: Keyboard Problems](#)

This is normal for all batteries. To purchase a new battery pack, see your accessories information that shipped with your computer, or visit the Toshiba Web site at [accessories.toshiba.com](http://accessories.toshiba.com). current on the most recent software and hardware options for your computer, and for other product information.

### [Page 194: Display Problems](#)

If Something Goes Wrong Resolving a hardware conflict If the problem occurs when both the keypad overlays are off, make sure the software you are using is not remapping the keyboard. Refer to the software documentation and check that the program does not assign different meanings to any of the keys.

[Page 195](#) If you are using the built-in screen, make sure the display priority is not set for an external monitor. To do this, press simultaneously (once). If this does not correct the problem, press display priority to its previous setting. HINT: Holding the Fn key and pressing the F5 key several times will advance you through the display options.

[Page 196](#) If Something Goes Wrong Resolving a hardware conflict Click Properties, and then the Settings tab. Change the Colors option and click OK. For more information see the Windows Help. A message tells you that there is a problem with your display settings and that the adapter type is incorrect or the current settings do not work with your hardware.

### [Page 197: Disk Drive Problems](#)

Small bright dots appear on your TFT display when you turn on your computer. Small bright dots may appear on your screen display when you turn on your PC. Your display contains an extremely large number of thin-film transistors (TFT) and is manufactured using high-precision technology.

[Page 198](#) If Something Goes Wrong Resolving a hardware conflict Error-checking Run Error-checking, which analyzes the directories, files and File Allocation Table (FAT) on the disk and repairs any damage it finds. To run Error-checking: Click Start, then click My Computer. Right-click the drive you want to check. On the pop-up menu, click Properties.

[Page 199](#) Your data files are damaged or corrupted. Refer to your software documentation for file recovery procedures. Many software packages automatically create backup files. You may also be able to recover lost data using utility software. Consult your network administrator. Some programs run correctly but others do not. This is probably a configuration problem.

### [Page 200: Optical Drive Problems](#)

If Something Goes Wrong Resolving a hardware conflict Optical drive problems You cannot access a disc in the drive. If the optical drive is an external drive, make sure that the drive's cable is properly connected to the computer. Make sure the tray which holds the CD-ROM or DVD-ROM is closed properly.

## [Page 201: Sound System Problems](#)

Some discs run correctly but others do not. Check the type of disc you are using. The optical drive supports the Digital Versatile Disc (DVD) formats DVD-ROM, DVD-R (read-only), plus CD-ROM, CD-R (read-only), and CD-RW (read-only). If the problem is with a data CD or DVD, refer to the software's documentation and check that the hardware configuration meets the program's needs.

[Page 202](#) If Something Goes Wrong Resolving a hardware conflict Most PC Card problems occur during installation and setup of new cards. If you are having trouble getting one or more of these devices to work together, several sections in this chapter may apply.

[Page 203](#) Resolving PC Card problems Here are some common problems and their solutions: The slot appears to be dead. PC Cards that used to work no longer work. Check the PC Card status: Click Start. Click My Computer icon with the secondary button, then click Properties.

[Page 204](#) If Something Goes Wrong Resolving a hardware conflict Hot swapping (removing one PC Card and inserting another without turning the computer off) fails. Follow this procedure before you remove a PC Card: Double-click the Safely Remove Hardware icon on the System tray.

## [Page 205: Printer Problems](#)

Printer problems This section lists some of the most common printer problems: The printer will not print. Check that the printer is connected to a working power outlet, turned on and ready (on line). Check that the printer has plenty of paper. Some printers will not start printing when there are just two or three sheets of paper left in the tray.

## [Page 206: Modem Problems](#)

The other system may be busy or off line. Try making a test transmission to someone else. For more information regarding your system's V.92 modem, visit the Toshiba Web site at [pcsupport.toshiba.com](http://pcsupport.toshiba.com). 121.

## [Page 207: Wireless Networking Problems](#)

To determine if your computer has an internal Wi-Fi adapter, NOTE check the device list in Device Manager (part of the Windows Control Panel). Some Toshiba models may have a Wi-Fi antenna switch even though they do not have an internal Wi-Fi adapter.

[Page 208](#) If Something Goes Wrong Resolving a hardware conflict ♦ Check Control Panel's Device Manager to verify that the Wi-Fi adapter is recognized by Windows driver is loaded. Carefully note any error messages— these will be very helpful if you should confer with a support technician at a later time.

[Page 209](#) ♦ Use the PING command to verify a connection to the gateway at 192.168.1.1 (a default gateway for most wireless routers). ♦ Click Start, then click Run... ♦ Enter Cmd and press Enter. ♦ Enter PING 192.168.1.1 at the command prompt, and press Enter.

## [Page 210: Dvd Operating Problems](#)

If Something Goes Wrong DVD operating problems ♦ Select Allow me to connect to the selected wireless network, even though it is not secure. ♦ The Windows operating system will now try to establish a wireless connection. The Windows operating system wireless management facility does not work.

[Page 211](#) "Checking device properties" on page 190 instructions on using Device Manager to view the DVD-ROM properties. Check the Toshiba Web site for new information on optical drives and their operation. A blank screen appears while watching a DVD-ROM movie or title.

[Page 212](#) If Something Goes Wrong DVD operating problems Click the Settings tab. Next to the words Desktop Area, move the slider to a lower setting, such as 800 x 600 or 640 x 480. Click OK. DVD titles, games, or applications appear distorted. Having Stretch enabled when your video resolution is set to 640 x 480 or 800 x 600 can cause distortion.

## [Page 213: Develop Good Computing Habits](#)

Click and hold the up arrow by the list or move the slide to the top. Click None. Click OK. Develop good computing habits Save your work frequently. You can never predict when your computer will lock, forcing you to close a program and lose unsaved changes. Many software programs build in an automatic backup, but you should not rely solely on this feature.

## [Page 214: Data And System Configuration Backup In The Windows Operating System](#)

If Something Goes Wrong Develop good computing habits Read the user's guides. It is very difficult to provide a fail-safe set of steps you can follow every time you experience a problem with the computer. Your ability to solve problems will improve as you learn about how the computer and its software work together.

[Page 215](#) Follow these steps to create a Restore Point using the System Restore utility: Click Start. Click Help and Support. Under Pick a Task, click Undo changes to your computer with System Restore. Click Create a restore point, and then click Next. In the Restore point description field, enter a name that is descriptive enough to be easily understood in the future, such as "Before installing Brand X Accounting..."

[Page 216](#) No additional software is required. Most of the CD and DVD drives built into recent Toshiba portable computer models can write to (or 'burn') as well as read from CDs. External CD and DVD writers are also widely available.

[Page 217](#) A Windows Explorer window will open for the blank CD. This window will be referred to as "the CD window." Open a second Windows Explorer window by clicking Start, then My Computer. In this second window, browse to the files you wish to back up.

[Page 218](#) If Something Goes Wrong Develop good computing habits A CD Writing Wizard will appear, prompting for a name for the CD. You may accept the default name, or enter a new (more descriptive) name. Click Next to continue. The CD Writing Wizard will now write the selected files to the CD.

[Page 219](#) Each CD has room for 650-700 megabytes of data. Follow this same set of steps any number of times to back up any number of files to as many CDs as is required to hold them. The Windows operating system also includes a Backup utility, though it does not directly support writing to CDs.

## [Page 220: If You Need Further Assistance](#)

If Something Goes Wrong If you need further assistance ♦ Restart Windows. Always restart Windows after each installation, even if the installation utility does not prompt you to do so. This will insure that the installation is completed, and will clean up anything that the installation utility left behind.

## [Page 221: Before You Contact Toshiba](#)

GO, and then clicking the Detailed Specs link from the menu on the left, or just refer to the computer documentation shipped with your product. For the number of a Toshiba dealer near you in the United States, call: (800) 457-7777. Contacting Toshiba...

## [Page 222: Other Toshiba Internet Web Sites](#)

Information about what you were doing when the problem occurred ♦ Exact error messages and when they occurred For technical support, call the Toshiba Global Support Centre: Within the United States at (800) 457-7777 Outside the United States at (949) 859-4273 Other Toshiba Internet Web sites toshiba.com...

## [Page 223: Toshiba's Worldwide Offices](#)

Germany Toshiba Europe GmbH Leibnizstraße 2 D-93055 Regensburg Germany Japan Toshiba Corporation, PCO-IO 1-1, Shibaura 1-Chome Minato-Ku, Tokyo, 105-8001 Japan Mexico Toshiba de México S.A. de C.V. Sierra Candela No.111, 6to. Piso Col. Lomas de Chapultepec. CP 11000 Mexico, DF.

[Page 224](#) Spain United States Toshiba America Information Systems, Inc. 9740 Irvine Boulevard Irvine, California 92618 United States For more information on additional Toshiba

worldwide locations, please visit: [www.toshiba.co.jp/index.htm](http://www.toshiba.co.jp/index.htm). United Kingdom Toshiba Information Systems (U.K) Ltd. Toshiba Court Weybridge Business Park Addlestone Road...

## [Page 225: Appendix A: Hot Keys](#)

Appendix A Hot Keys Hot keys are keys that, when pressed in combination with the key, turn system functions on and off. Hot keys have a legend on the key indicating the option or feature the key controls. Volume Mute This hot key enables/disables volume mute on your computer.

## [Page 226: Password Security](#)

Hot Keys Password security Password security This hot key blanks the display. Without a password activates instant security. Using the pointing device or any key will make the display's content reappear, if no password is set for the current user. With a password activates instant security.

## [Page 227: Maintaining Security When The Battery Is Not Fully Charged](#)

If you clicked Choose a screen saver, the Screen Saver tab has already been selected. If it is not selected, click the Screen Saver tab. Click the On resume, password protected check box. Click OK. Maintaining security when the battery is not fully charged When the battery is not fully charged (even if the computer is operating on AC power) your display may reappear automatically after a short time.

## [Page 228: Power Usage Mode](#)

This hot key displays the power usage pop-up window and cycles through the battery save modes. Sample power usage modes The properties of each mode are set in the Toshiba Power Saver utility. For more information, see "Toshiba Power Saver" on page...

## [Page 229: Standby Mode](#)

Standby mode This hot key places the computer into Standby mode. ♦ Sample Standby confirmation box ♦ A message box displays by default to confirm that the computer is entering Standby mode. You can choose not to display this message box.

## [Page 230: Hibernation Mode](#)

Hot Keys Hibernation mode Hibernation mode This hot key places the computer into Hibernation mode. ♦ Sample Hibernation confirmation box ♦ If Hibernation mode is enabled (the default) a message box displays by default to confirm the computer is entering Hibernation mode. You can choose not to display this message box.

## [Page 231: Display Modes](#)

Display modes This hot key cycles through the power-on display options. The display modes are: ♦ ♦ ♦ ♦ Sample display options window In order to use a simultaneous mode, you must set the resolution of the internal display panel to match the resolution of the external display device.

## [Page 232: Disabling Or Enabling Wireless Devices](#)

Hot Keys Disabling or enabling wireless devices Disabling or enabling wireless devices This hot key informs you when the Wireless antenna on-off switch is in the off position. (No message appears when the Wi-Fi antenna on-off switch is in the on position.) Disabling or enabling the TouchPad This hot key enables/disables the TouchPad or.

## [Page 233: Keyboard Hot Keys](#)

This hot key turns the Zooming utility to zoom-out. For more information, see Utility" on page This hot key turns the Zooming utility to zoom-in. For more information, see ity" on page Hot Keys Keyboard hot keys "Toshiba Zooming 160. "Toshiba Zooming Util- 160.

## [Page 234: Appendix B: Power Cord/Cable Connectors](#)

Appendix B Power Cord/Cable Connectors Your computer features a universal power supply you can use worldwide. This appendix shows the shapes of the typical AC power cord/cable connectors for various parts of the world. USA and Canada UL approved CSA approved Australia AS approved United Kingdom...



## [Page 235: Appendix C: Using Configfree](#)

Appendix C Using ConfigFree your Toshiba Computer™ ConfigFree communication devices and network connections. ConfigFree also lets you identify communication problems and create profiles for easy switching between locations and communication networks. For more information on using ConfigFree, see the ConfigFree NOTE online Help.

## [Page 236: Getting Started](#)

Toshiba, Networking, ConfigFree. ♦ Double-click the ConfigFree icon ♦ Press the Toshiba Assist button (if applicable to your system) to open the Toshiba Assist, and then click the ConfigFree icon. ♦ Click the ConfigFree icon click the desired utility. 246.

[Page 237](#) Using ConfigFree™ with your Toshiba Computer If your computer is not connected to a network, the ConfigFree NOTE icon on the taskbar is displayed with an “X.” When you start a search for wireless devices, ConfigFree Launcher displays on your computer desktop. You can then click the appropriate icon on the Launcher to start the desired ConfigFree utilities.

## [Page 238: Configfree Utilities](#)

Using ConfigFree™ with your Toshiba Computer ConfigFree Utilities Sample ConfigFree Launcher coming back into view ConfigFree Utilities Connectivity Doctor The Connectivity Doctor lets you analyze your network connections and fix network-connection problems. Using Connectivity Doctor, you can view detailed network information by simply moving the mouse pointer.

[Page 239](#) Using ConfigFree™ with your Toshiba Computer ♦ Location of wireless communication switch (identified with a yellow arrow) ♦ Status of wireless communication switch (on or off) Sample Connectivity Doctor screen Moving the mouse pointer over a wired or wireless network device icon displays information about the device, such as its IP address, subnet mask, and MAC address.

[Page 240](#) Using ConfigFree™ with your Toshiba Computer ConfigFree Utilities If a problem or potential problem is detected, in most cases, a screen automatically displays showing you the possible cause and solution for the problem. A triangle containing an exclamation point also appears on the Connectivity Doctor screen and an orange frame describes the relevant location.

## [Page 241: Search For Wireless Devices](#)

Using ConfigFree™ with your Toshiba Computer Search for Wireless Devices The Search for Wireless Devices utility searches for wireless LAN and Bluetooth neighborhood, and displays information about them on a virtual map. To search for wireless devices: Click the Click Search for Wireless Devices.

[Page 242](#) Using ConfigFree™ with your Toshiba Computer ConfigFree Utilities Sample viewing Wi-Fi devices Creating a new wireless connection This feature is only supported on systems running Windows NOTE XP SP2. To add a new wireless connection to an Access Point: Open the Search for Wireless Devices option from ConfigFree Launcher.

[Page 243](#) Using ConfigFree™ with your Toshiba Computer Sample dragging a device to the Access Point Sample Wireless settings screen Enter the SSID/WEP information and connect to the device. After the Access Point is set up and added to the connection NOTE list, the system displays the Connection screen rather than the Wireless settings screen.

[Page 244](#) Using ConfigFree™ with your Toshiba Computer ConfigFree Utilities Creating a detected device wireless connection The following screen shows an example of Bluetooth devices that are detected using the Search for Wireless Devices option. Moving the mouse cursor over a device icon displays information about the device.

[Page 245](#) Using ConfigFree™ with your Toshiba Computer Sample dragging the file to the Bluetooth To be prompted for the device: Drag and drop the file to the Bluetooth ConfigFree Launcher. Sample dragging the file to the Bluetooth Or, you can right click on the file and select Send to Bluetooth Devices.

## [Page 246: Profile Settings](#)

Using ConfigFree™ with your Toshiba Computer ConfigFree Utilities Sample selecting Send to



Bluetooth Choose a file recipient. Click Send. During a file transfer, connecting and disconnecting to the NOTE selected device will occur automatically. Disconnecting from a Bluetooth To disconnect from a Bluetooth Place the cursor on top of the connected line.

[Page 247](#) Using ConfigFree™ with your Toshiba Computer If you visit a client company occasionally, for example, you can set up a profile to match that environment and connect to the network. Similarly, users who access networks in the office and at home can set up profiles to handle these networking environments.

[Page 248](#) Using ConfigFree™ with your Toshiba Computer ConfigFree Utilities Select Capture and click OK. The Add Profile screen appears. Enter the name of the profile you want to create. Enter any optional comments, if desired. Click Change Icon and select an icon for this profile.

[Page 249](#) Using ConfigFree™ with your Toshiba Computer Sample expanded Add Profile screen The online Help provides real-world examples of setting up NOTE profiles for different networking environments. After you set up one or more profiles, you can check their settings and fine-tune them as necessary. Profiles can also be imported and exported.

### [Page 250: Configfree Summit](#)

Using ConfigFree™ with your Toshiba Computer ConfigFree Utilities ConfigFree SUMMIT The ConfigFree SUMMIT utility is a convenient way to share files with other users and to transfer files between your computers at home and at work. This utility is faster and more dependable than sending the files via email.

[Page 251](#) Using ConfigFree™ with your Toshiba Computer Sample of users attending SUMMIT meeting (user icons appear on SUMMIT table) Files can be shared with one user or all users attending the meeting. ♦ To share a file with one user, drag and drop the file on the user's icon.

[Page 252](#) Using ConfigFree™ with your Toshiba Computer ConfigFree Utilities Sample of sharing a file with one user ♦ To share a file with all users, drag the file to the center of the SUMMIT table where users can access it as desired.

[Page 253](#) Using ConfigFree™ with your Toshiba Computer Participating users must be connected by LAN, wireless LAN, NOTE or Bluetooth ConfigFree SUMMIT from working. Using ConfigFree SUMMIT To host a ConfigFree SUMMIT: Click the Click SUMMIT. Other users appear on the SUMMIT main window.

### [Page 254: Quick Connect](#)

(DPJ), then click Connect. Launching Quick Connect prevents you from using the network to connect to a Toshiba Wireless Projector when the wireless LAN Configuration is set to Ad hoc. If you are connected to an access point, the connection is broken and re-established later.

[Page 255](#) Using ConfigFree™ with your Toshiba Computer To review the current Toshiba Wireless Projector settings and change them if necessary: Click the Move the mouse pointer to Toshiba Wireless Projector (DPJ), then click Settings. The Quick Connect properties dialog box appears.

[Page 256](#) Quick Connect function was started: ♦ If the Toshiba Wireless Projector utility is closed. ♦ If you select Toshiba Wireless Projector (DPJ) from the ConfigFree tray menu (this disconnects the wireless LAN connection). ♦ If you select a profile from the ConfigFree tray menu or when you disable a wireless device.

### [Page 257: Using The Automatic Switch](#)

Using ConfigFree™ with your Toshiba Computer Using the Automatic Switch The Automatic Switch feature allows the computer to automatically switch profiles the next time it is powered on. This feature is particularly useful if you want your computer to automatically switch from the network configuration you use in your office to the one you use at home.

[Page 258](#) Using ConfigFree™ with your Toshiba Computer Semi-Automatic Switch Feature To use the Semi-Automatic Switch feature: Right-click the Click Auto Switch. The Auto Switch dialog box appears. Select the Auto Switch (SSID) tab. Select the profile to be automatically selected when the SSID is detected, then click Add.

## [Page 259: Glossary](#)

Glossary TECHNICAL NOTE: Some features defined in this glossary may not be available on your computer. Acronyms The following acronyms may appear in this user's guide. BIOS CD-ROM CD-RW CMOS COM1 COM2 alternating current basic input/output system bits per second compact disc compact disc read-only memory compact disc rewritable memory...

[Page 260](#) Glossary DIMM DSTN DVD-ROM digital versatile (or video) disc read-only memory EPROM HTML IEEE LPT1 MIDI PCMCIA direct memory access dual inline memory module disk operating system dots per inch dual supertwist nematic digital versatile (or video) disc enhanced capabilities port erasable programmable read-only memory file allocation table Federal Communications Commission...

[Page 261](#) SCSI SDRAM SRAM SVGA Terms The following terms may appear in this user's guide. active-matrix display — A liquid crystal display (LCD) made from an array of liquid crystal cells using active-matrix technology. Also known as a "TFT display," in its simplest form there is one thin film transistor (TFT) for each cell.

[Page 262](#) Glossary application — A computer program that you use to perform tasks of a specific type. Applications include word processors, spreadsheets, and database management systems. See also program. backup — A copy of a file, usually on a removable disk, kept in case the original file is lost or damaged.

[Page 263](#) byte — A sequence of eight bits. A byte is the smallest addressable unit of data. cache — A section of very fast memory in which frequently used information is duplicated for quick access. Accessing data from cache is faster than accessing it from the computer's main memory. See also CPU cache, L1 cache, L2 cache.

[Page 264](#) Glossary controller — A device that controls the transfer of data from a computer to a peripheral device and vice versa. For example, disk drives, monitors, keyboards, and printers all require controllers. CPU — See central processing unit (CPU). CPU cache — A section of very fast memory residing between the CPU and the computer's main memory that temporarily stores data and instructions the CPU will need to execute commands and programs.

[Page 265](#) disk — A round, flat piece of material that can be magnetically influenced to hold information in digital form, and used in the production of magnetic disks, such as diskettes and hard disks. Compare disc. See also diskette, hard disk. disk drive —...

[Page 266](#) Glossary DVD-ROM (digital versatile [or video] disc read-only memory) — A very high-capacity storage medium that uses laser optics for reading data. Each DVD-ROM can hold as much data as several CD-ROMs. Compare CD-ROM. emulation — A technique in which a device or program imitates another device or program.

[Page 267](#) — The physical components of a computer system. Compare software. Hibernation — A feature of many Toshiba notebook computers that saves to the hard disk the current state of your work, including all open files and programs, when you turn the computer off. When you turn on the computer again, your work is returned to the same state it was when the computer was turned off.

[Page 268](#) Glossary interlaced — A method of refreshing a computer screen, in which only every other line of pixels is refreshed. Interlaced monitors take two passes to create a complete screen image. Compare non-interlaced. internal device — See device. Internet — The decentralized, world-wide network of computers that provides electronic mail, the World Wide Web, and other services.

[Page 269](#) memory — Typically refers to the computer's main memory, where programs are run and data is temporarily stored and processed. Memory can be volatile and hold data temporarily, such as RAM, or it can be nonvolatile and hold data permanently, such as ROM. A computer's main memory is RAM.

[Page 270](#) Glossary online — Available through the computer. Online may refer to information being read from your own computer's hard disk, such as online documentation or online Help, or to information coming from another company on a company network or the Internet. operating system —...

[Page 271](#) program — A set of instructions that can be executed by a computer. The general classes of programs (also called software) are operating system, application, and utility. See also operating system, application, utility. properties — The attributes of an object or device. For example, the properties of a file include the file's type, size, and creation date.

[Page 272](#) Glossary select — To highlight or otherwise specify text, data, or graphics with the intent to perform some operation on it. serial — Processes that occur one at a time. In communications, it means the transmission of one bit at a time sequentially over a single channel.

[Page 273](#) utility — A computer program designed to perform a narrowly focused operation or solve a specific problem. Utilities are often related to computer system management. Web — See World Wide Web. Wi-Fi — A trademarked term by the Wireless Capability Ethernet Alliance which stands for Wireless Fidelity, and is another term for the communication protocol to permit an Ethernet connection using wireless communication components.

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