



# TOSHIBA

Toshiba NB305-SP2002M User Manual

Nb305-sp2002m user's guide



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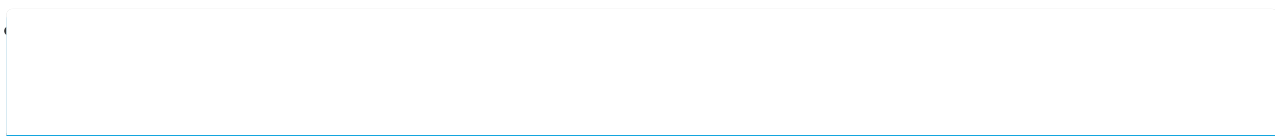
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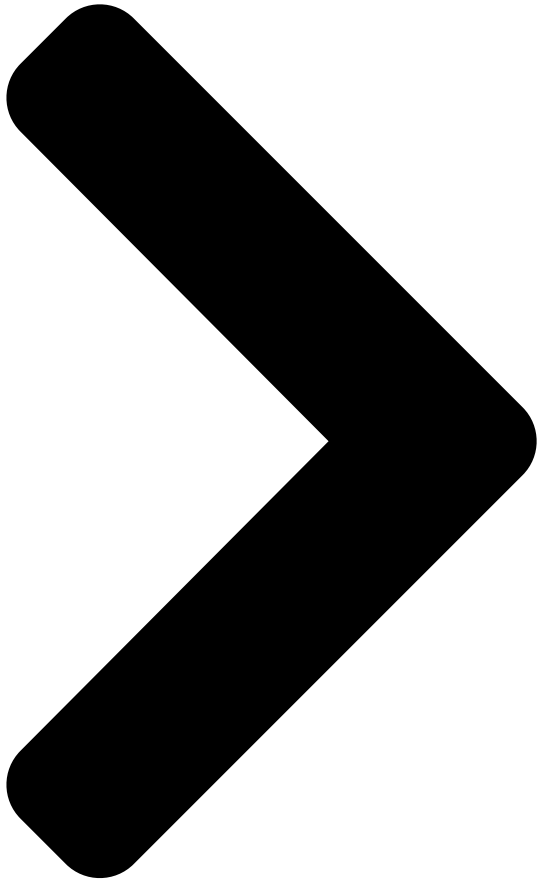
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## Bookmarks

[Download this manual](#)

## Quick Links



# NB300 Series

# User's Guide

# TOSHIBA

If you need assistance:

❖ **Leading Innovation** >>>

Toshiba's Support Web site

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



Toshiba Customer Support Center

Calling within the United States (800) 457-7777

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

For more information, see

[page 151](#)

in this guide.

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

GMAD00235010

11/09



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## Related Manuals for Toshiba NB305-SP2002M

### [Laptop Toshiba NB305-N310 User Manual](#)

Nb305-n310 user's guide (221 pages)

### [Laptop Toshiba NB305-N600 User Manual](#)

Nb305-n600 user's guide (213 pages)

### [Laptop Toshiba NB255-N240 User Manual](#)

Nb255-n240 user's guide (197 pages)

### [Laptop Toshiba NB300 User Manual](#)

(152 pages)

### [Laptop Toshiba NB305-N410 User Manual](#)

Toshiba nb305-n410: user guide (149 pages)

### [Laptop Toshiba PLL3AC-02P014 User Manual](#)

User manual (143 pages)

### [Laptop Toshiba NB305-N440 Specifications](#)

Toshiba nb305-n440: specifications (3 pages)

### [Netbook Toshiba Mini NB305 Series User Manual](#)

Keyboard (silver colored) removal guide (3 pages)

### [Laptop Toshiba NB300 Specification](#)

Toshiba laptop user manual (3 pages)

### [Laptop Toshiba NB300 Maintenance Manual](#)

(247 pages)

### [Laptop Toshiba NB305-N600 Detailed Product Specification](#)

Mini nb305 series (4 pages)

### [Laptop Toshiba Satellite CL1 C Series User Manual](#)

(128 pages)

### [Laptop Toshiba NB500 Series User Manual](#)

Toshiba laptop user manual (137 pages)

### [Laptop Toshiba NB205 Series User Manual](#)

(139 pages)

### [Laptop Toshiba NB510 User Manual](#)

Portable personal computer (127 pages)

### [Laptop Toshiba Satellite NB10 User Manual](#)

A series (172 pages)

## Summary of Contents for Toshiba NB305-SP2002M

[Page 1](#) NB300 Series User's Guide If you need assistance: ♦ Toshiba's Support Web site pcsupport.toshiba.com ♦ Toshiba Customer Support Center Calling within the United States (800) 457-7777 Calling from outside the United States (949) 859-4273 For more information, see page 151 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 ports.

#### [Page 4: Wireless Interoperability](#)

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada. 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 5: 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. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

[Page 6](#) EU Declaration of Conformity TOSHIBA declares that this product conforms to the following Standards: This product is carrying the CE-Mark in accordance with the related European Directives. The party responsible for CE-Marking is TOSHIBA Europe GmbH, Hammfelddamm 8, 41460 Neuss, Germany.

[Page 7](#) This Directive applies to EU member countries only and does not apply to end users in other countries such as the United States. Although the initial emphasis is in Europe, Toshiba is already working with design engineers, suppliers, and other partners to determine appropriate worldwide product life cycle planning and end-of-life strategies for our products.

[Page 8](#) 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 9: Device Authorization](#)

FH: This equipment uses FH-SS modulation. The interference range of this equipment is less than 10m. This equipment uses a frequency bandwidth from 2,400 MHz to 2,483.5 MHz. 3. TOSHIBA Direct PC Monday - Friday: 10:00 - 17:00 Toll Free Tel: 0120-15-1048 Direct Dial: 03-3457-4850...

#### [Page 10: Radio Approvals For Wireless Devices](#)

Because Wireless WAN products operate within the guidelines found in radio frequency safety standards and recommendations, TOSHIBA believes Wireless WAN is safe for use by consumers. These standards and recommendations reflect the consensus of the scientific community and result from deliberations of panels and committees of scientists who continually review and interpret the extensive research literature.

#### [Page 11: Regulatory Information](#)

Part 2 section 1093. Exposure to Radio Frequency Radiation The radiated output power of the TOSHIBA Wireless WAN Card is far below the FCC radio frequency exposure limits. Nevertheless, the TOSHIBA Wireless WAN Card shall be used in such a manner that the potential for human contact during normal operation is minimized.

[Page 12](#) Canada - Industry Canada (IC) Wireless WAN complies with RSS-129, RSS-133 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 13](#) Approved Countries/Regions for the Atheros Link AR5B95 Series This equipment is approved to the radio standard by the countries/regions in the following table. Do not use this equipment except in the countries/regions in the following table. Albania Austria Bangladesh Bosnia Bulgaria Chile Croatia...

[Page 14](#) Ukraine Yemen 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: Bluetooth Wireless Technology Interoperability](#)

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 computer 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...

## [Page 16: Bluetooth Wireless Technology And Your Health](#)

Approved Countries/Regions for use (Bluetooth technology) ® Bluetooth Card from Toshiba equipment is approved to the radio standard by the countries/regions in the following table. Do not use this equipment except in the countries/regions in the following table. Argentina Belgium...

## [Page 17: 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.

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[Page 19](#) Atheros is a registered trademark of Atheros Communications, Inc. Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Toshiba is under license. Other trademarks and trade names are those of their respective owners.

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TouchPad™ ...188 Zoom (Display resolution) ...189 Keyboard hot key functions ...190 Appendix B: Power Cord/Cable Connectors...191 Glossary...192 Index...207...

## [Page 27: Introduction](#)

You can wake the computer from Sleep mode by pressing the power button. See the “Mobile Computing” section of the Toshiba User’s Guide for more information on using power management settings to...

[Page 28](#) (RoHS), which restricts use of lead, cadmium, mercury, hexavalent chromium, PBB, and PBDE. Toshiba requires its computer component suppliers to meet RoHS requirements and verifies its suppliers’ commitment to meeting RoHS requirements by conducting component sampling inspections during the product design approval process.

## [Page 29: This Guide](#)

Toshiba’s Web site at [pcsupport.toshiba.com](http://pcsupport.toshiba.com). 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 30: 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 avoided, will result in death or serious injury.

## [Page 31: Your Computer's Features And Specifications](#)

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 “Goes Wrong” on page Introduction...

## [Page 32: Chapter 1: Getting Started](#)

Chapter 1 Getting Started This chapter provides tips for using your computer effectively, summarizes how to connect components, and explains what to do the first time you use your computer. The “Instruction Manual for Safety and Comfort,” that is shipped with your computer, contains important safety information.

## [Page 33: Keeping Yourself Comfortable](#)

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

[Page 34](#) Getting Started Getting comfortable with your computer ❖ ❖ Read the “Avoid extended contact between computer base/palm rest and skin” section in the “Instruction Manual for Safety and Comfort” that is shipped with your computer. Never place a heavy object on the computer and be careful not to drop a heavy object onto the computer.

## [Page 35: 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. Always make sure your computer and AC adaptor have adequate ventilation and are protected from overheating when the power is turned on or when an AC adaptor is connected to a power outlet (even if your computer is in Sleep mode).

## [Page 36: Connecting To A Power Source](#)

TOSHIBA Battery Charger (that may have been provided with your computer), or use AC adaptors and battery chargers specified by TOSHIBA to avoid any risk of fire or other damage to the computer. Use of an incompatible AC adaptor or Battery Charger could cause fire or damage to the computer possibly resulting in serious injury.

[Page 37](#) To connect AC power to the computer: Connect the power cord/cable to the AC adaptor. (Sample Illustration) Connecting the power cord/cable to the AC adaptor 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 38: Charging The Main Battery](#)

Getting Started 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 adaptor connected) ♦ Glows green when the main battery is fully charged ♦...

### [Page 39: Using The Computer For The First Time](#)

NOTE Battery life and charge time may vary depending on the applications, power management settings, and features used. Using the computer for the first time The computer is now ready for you to turn it on and begin using it. Opening the display panel Facing the front of the computer, locate the center of the display panel.

### [Page 40: Turning On The Power](#)

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

### [Page 41: Setting Up Your Software](#)

Product registration can be completed by either visiting the Toshiba Web site at <http://www.register.toshiba.com>, or by clicking Start, All Programs, My Toshiba, and then Toshiba Registration. Failure to complete Product Registration will not diminish Customer rights under the Toshiba standard limited Warranty.

### [Page 42: Adding Memory \(Optional\)](#)

NOTE Before adding external devices or memory, Toshiba recommends setting up your software. See Installing a memory module A memory module can be installed in the memory module slot on the base of the computer.

[Page 43](#) If the computer is on, begin at step 1; otherwise, skip to step 3. Click Start. Start button (Sample Image) Shut down button Click the Shut down button in the lower-right corner of the Start menu. The computer closes all open programs, shuts down the operating system, and then turns off.

[Page 44](#) Getting Started Adding memory (optional) Using a small Phillips screwdriver, loosen the captive screw that secures the memory module slot cover. Back of computer (Sample Illustration) Removing the memory module slot cover Remove the memory module slot cover. Place the screw and the cover in a safe place so that you can retrieve them later.

[Page 45](#) Pick up the memory module by its sides, avoiding any contact with its connector. Position the module toward the socket, aligning the connector's notch with the matching key in the socket. notch latch (Sample Illustration) Aligning the memory module with the socket Firmly press the memory module into the memory slot's socket at approximately a 30-degree angle (to the horizontal surface of the computer).

[Page 46](#) Getting Started Adding memory (optional) Once the module's connector is fully inserted into the socket, press downward on the top edge of the module to seat the module into the latches at the sides of the socket. These latches should "snap" into place securely with the corresponding cutouts in the side of the module.

[Page 47](#) Re-insert the main battery. For more information on inserting the main battery, see Turn the computer right side up. Make sure to remove the soft cloth from the work surface before restarting the computer. Always make sure your computer and AC adaptor have adequate ventilation and are protected from overheating when the power is turned on or when an AC adaptor is connected to a power outlet (even if your computer is in Sleep mode).

### [Page 48: Removing A Memory Module](#)

Getting Started Adding memory (optional) Removing a memory module If you need to remove a memory module: Complete steps page 42 to shut down the computer and open the memory

module slot cover. Do not try to remove a memory module with the computer turned on. You can damage the computer and the memory module.

[Page 49](#) Gently lift the memory module to a 30-degree angle and slide it out of the slot. Memory slot (Sample Illustration) Removing the memory module Replace the memory module slot cover and secure it using the screw. Re-insert the main battery. For more information on inserting the main battery, see Turn the computer right side up.

### [Page 50: Checking Total Memory](#)

Recovering the Internal Storage Drive NOTE To purchase an optional external writable optical drive or a USB Flash drive, visit the Toshiba Web site at [accessories.toshiba.com](http://accessories.toshiba.com). Your computer includes recovery utilities to allow you to recover your internal storage drive if necessary.

[Page 51](#) The following internal storage drive recovery options are available: Recovery option Recover to out-of-box state Recover to a custom size partition Recover without changing the internal storage drive partitions A recovery image of your computer is stored on the internal storage drive, and the image can be restored by running the recovery utilities directly from your internal storage drive as described in the sections below.

### [Page 52: Recovering To Out-Of-Box State \(Recommended Recovery Method\)](#)

AC adaptor. ♦ The Toshiba Recovery Wizard also provides the option of erasing your internal storage drive, without restoring the information on the drive. See more information.

[Page 53](#) Click Yes to continue. (Sample Image) Warning screen When the Toshiba Recovery Wizard opens and the Selecting a process screen displays, select Recovery of Factory Default Software and then click Next. (Sample Image) Selecting a Process screen...

### [Page 54: Recovering To A Custom Size Partition](#)

Getting Started Recovering the Internal Storage Drive The Recovery of Factory Default Software screen appears. Select Recover to out-of-box state. (Sample Image) Recovery of Factory Default Software screen Click Next. A confirmation message displays reminding you that all data will be lost during the recovery process. Be sure to save your work to external media before proceeding (see your work"...

[Page 55](#) Click Yes to continue. (Sample Image) Warning screen When the Toshiba Recovery Wizard opens and the Selecting a process screen displays, select Recovery of Factory Default Software and then click Next. Getting Started...

[Page 56](#) Getting Started Recovering the Internal Storage Drive (Sample Image) Selecting a Process screen The Recovery of Factory Default Software screen appears. Select Recover to a custom size partition. (Sample Image) Recovery of Factory Default Software screen Use the on-screen arrow buttons in The size of drive C: field to set the partition size.

### [Page 57: Recovering Without Changing The Internal Storage Drive Partitions](#)

Click Next. A confirmation message displays reminding you that all data will be lost during the recovery process. Be sure to save your work to external media before proceeding (see your work" on page Click Next to begin the recovery. When the process is complete, a message displays indicating that the C: drive has been recovered.

[Page 58](#) Click Yes to continue. (Sample Image) Warning screen When the Toshiba Recovery Wizard opens and the Selecting a process screen displays, select Recovery of Factory Default Software and then click Next. (Sample Image) Selecting a Process screen...

### [Page 59: Creating Recovery Dvds/Media](#)

Creating recovery DVDs/media NOTE To purchase an optional external writable optical disc drive for creating recovery DVDs, please visit the Toshiba Web site at [accessories.toshiba.com](http://accessories.toshiba.com). It is strongly recommended that you create recovery DVDs/media. If the recovery files on your internal storage drive become corrupted or are deleted, you can restore your system from your recovery DVDs/media.

[Page 60](#) If you want to copy the recovery files to DVDs, you will need an optical disc drive with the capability to write information to discs. To create recovery DVDs/media: Click Start, All Programs, My Toshiba, and then Recovery Media Creator. The TOSHIBA Recovery Media Creator dialog box displays.

[Page 61](#) Click the Create button in the TOSHIBA Recovery Media Creator utility dialog box. Follow the on-screen prompts to complete the copy process.

## [Page 62: Restoring From Recovery Dvds/Media](#)

Getting Started Recovering the Internal Storage Drive Restoring from recovery DVDs/media The recovery process deletes information stored on the internal storage drive. Be sure to save your work to external media before executing the recovery (see NOTE During the internal storage drive recovery process it is strongly recommended that your computer be connected to an external power source via the AC adaptor.

[Page 63](#) Click Yes to continue. When the Toshiba Recovery Wizard opens and the Selecting a Process screen displays, select Recovery of Factory Default Software and then click Next.

## [Page 64: Erasing The Internal Storage Drive](#)

For more information, “Recovering the Internal Storage Drive” on page To delete all data and partitions from the internal storage drive: Access the Toshiba Recovery Wizard on your internal storage drive or on your recovery DVDs/media. ♦...

## [Page 65: Checking The Internal Storage Drive Operating Status](#)

Checking the internal storage drive operating status ♦ Delete all partitions and overwrite all sectors on the hard disk—This option deletes all data and then overwrites the entire internal storage drive for security purposes. This process may take several hours, depending on the size of your internal storage drive.

## [Page 66: Installing Drivers And Applications](#)

Highlight the internal storage drive in the Volume list to display its status in the lower portion of the screen. Installing drivers and applications The Toshiba Application Installer allows you to reinstall the drivers and applications that were originally bundled with your computer. To reinstall drivers and applications: Click Start, All Programs, My Toshiba, and then TOSHIBA Application Installer.

[Page 67](#) Primary control button (Sample Illustration) The TouchPad and associated control buttons Refer to the table below for specific instructions on performing each operation. NOTE The pointer is the icon (usually an arrow) that moves on the screen when you slide your finger across the TouchPad or move a mouse connected to your computer.

[Page 68](#) Getting Started Using the TouchPad™ Do the following: Open or activate an Move the pointer to the item you want to open/activate. item Do one of the following: ♦ ♦ Right-click an item Move the pointer to the item you want to right-click.

[Page 69](#) Do the following: Scroll continuously Begin scrolling vertically or horizontally by sliding your finger along the right or (Circular scrolling) bottom edge of the TouchPad as described above. Without lifting your finger from the TouchPad, start moving your finger in a circular motion on the TouchPad.

## [Page 70: Adjusting Touchpad™ Settings](#)

TouchPad setting options vary by computer model. The TouchPad settings are accessible through the Mouse Properties option of the Windows Control Panel. For more information, please visit [www.support.toshiba.com](http://www.support.toshiba.com), and enter the phrase “Mouse pointer jumps around as you type” into the Search field. Disabling or enabling the TouchPad™...

## [Page 71: Using External Display Devices](#)

Using external display devices Your computer comes with a built-in display, but you can also connect an external display device via the RGB (monitor) port. Connecting an external monitor or projector You can easily attach an external monitor or projector to your computer if you need a larger screen.



## [Page 72: Adjusting The Quality Of The External Display](#)

Getting Started Using an external keyboard While holding down you want takes effect. Briefly pause each time you press the key to allow time for the display to change. This hot key cycles through the settings in the following order (the last two options are available if an external monitor is connected): ♦...

## [Page 73: Using A Mouse](#)

Using a mouse You may want to use a mouse instead of the computer's built-in TouchPad™. You can use a USB-compatible mouse. Connecting a printer NOTE Your printer documentation may require you to install the printer software before physically connecting the printer to your computer. If you do not install the software as instructed by the printer manufacturer, the printer may not function correctly.

## [Page 74: Setting Up A Printer](#)

Getting Started Turning off the computer Setting up a printer NOTE Some printers require a specific installation process. Refer to your printer installation guide for instructions before completing the following procedure. If your printer does not support Plug and Play, follow these steps to set it up for the first time.

## [Page 75: Options For Turning Off The Computer](#)

Options for turning off the computer Depending on the operating system installed, you have more than one option available for turning off the computer: Shut down, Hibernate, and Sleep. Each option has its advantages. ♦ Use the Shut down or Hibernate command if you will not be using the computer for several days or if you must turn off your computer.

[Page 76](#) Getting Started Turning off the computer For information on how to use and configure Hibernation mode see "Using and configuring Hibernation mode" on page Sleep mode The Sleep command places the computer into a power-saving mode. Sleep saves the current state of the computer to memory so that, when you restart the computer, you can continue working from where you left off.

## [Page 77: Using The Shut Down Command](#)

Using the Shut down command The Shut down command completely shuts down the computer without saving your work or the current state of the computer. This command closes all open programs, shuts down the operating system, and then turns off your computer. To turn off your computer using the Shut down command: Click Start.

[Page 78](#) Getting Started Turning off the computer Click Change plan settings under the power plan to be customized. The Edit Plan Settings window appears. (Sample Image) Edit Plan Settings screen Click Change advanced power settings. The Advanced settings tab of the Power Options window appears.

## [Page 79: Using And Configuring Hibernation Mode](#)

Select the options you want from the drop-down lists. NOTE These options can be set separately for how they operate while the computer is running on battery power or while connected to AC power. ♦ Lid close action Set this option to Shut down if you want the computer to shut down when you close the display panel.

[Page 80](#) Getting Started Turning off the computer Click Hibernate in the pop-up menu. The computer saves the state of all open programs and files, turns off the display, and then turns off. Configuring Hibernation mode options You can place the computer into Hibernation mode by either pressing the power button or closing the display panel.

## [Page 81: Using And Configuring Sleep Mode](#)

NOTE These options can be set separately for how they operate while the computer is running on battery power or while connected to AC power. ♦ Lid close action Set this option to Hibernate if you want the computer to go into Hibernation mode when you close the display panel.

[Page 82](#) Getting Started Turning off the computer Click Sleep in the pop-up menu. The computer saves the status of all open programs and files to the memory, turns off the display, and enters into a low-power mode. The ON/OFF light blinks amber indicating the computer is in



Sleep mode.

[Page 83](#) Click Change advanced power settings. The Advanced settings tab of the Power Options window appears. Double-click Power buttons and lid to display the actions that you can configure. (Sample Image) Advanced settings tab of Power Options screen Select Sleep for the options you want. NOTE These options can be set separately for how they operate while the computer is running on battery power or while connected to AC...

### [Page 84: Closing The Display Panel](#)

Getting Started Customizing your computer's settings Starting again from Sleep mode To start up the computer from Sleep mode, press the power button until the ON/OFF light glows green. The computer returns to the screen(s) you were using. If you place the computer in Sleep mode by closing the display panel, you can start it again by opening the display panel.

### [Page 85: Moving The 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. (Sample Illustration) Computer lock cable To secure the computer: Wrap the cable through or around some part of a heavy object.

### [Page 86: 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 internal storage drive. 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 87: Using The Keyboard](#)

♦ Back up your files to external 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 internal storage drive suddenly fails, you will lose all the data on it unless you have a separate backup copy.

### [Page 88: Character Keys](#)

Learning the Basics Using the keyboard Character keys Typing with the character keys is very much like typing on a typewriter, except that: ♦ The space bar creates a space character instead of just passing over an area of the page. ♦...

### [Page 89: Special Windows ® Keys](#)

through programmed functions when pressed. Used in combination with the key, function keys marked with icons execute specific functions on the computer. For example, ON/OFF. For more information, see page 180. ® Special Windows keys (Sample Illustration) Special Windows Your computer's keyboard has one key and one button that have special functions in Windows ♦...

### [Page 90: Starting A Program](#)

Learning the Basics Starting a program 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 The numeric overlay light on the system indicator panel glows when the numeric overlay is on.

### [Page 91: Starting A Program From The Start Menu](#)

Starting a program from the Start menu When you install a program, the operating system usually puts an icon in the All Programs menu. To start a program that has an icon in the All Programs menu, follow these steps, which use the ®...

### [Page 92: Starting A Program Using The Search Programs And Files Field](#)

Learning the Basics Starting a program In the right part of the window, double-click the folder containing the program, in this case Program Files. Windows folder on the right side of the window. In the right part of the window, double-click Windows NT. In the right part of the window, double-click Accessories.

## [Page 93: Saving Your Work](#)

Saving your work Before you turn off the computer using the Shut down command, save your work on the internal storage drive, diskette, flash media, or optical disc. This is one of the most important rules of computing. When you turn off the computer using the Sleep or Hibernate commands, your work should be there when you resume.

## [Page 94: Printing Your Work](#)

Learning the Basics Printing your work File names The Windows contain up to 260 characters and can include spaces. Some applications do not support long file names and require file names limited to no more than eight characters. You may use all the letters, numbers, and other characters on the keyboard, except for these characters: \ / ? : \* " ...

## [Page 95: Backing Up Your Work](#)

Click on the arrow in the upper-left corner of your Windows and then click Print. The program displays a Print dialog box. (Sample Image) Print dialog box Specify the print parameters. For example, the range of pages and number of copies to print. Click Print.

## [Page 96: Restoring Your Work](#)

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.

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

It has a number of other features that enhance its energy efficiency. Many of these energy-saving features have been preset 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](#)

This is normal for all batteries. To purchase a new battery pack, see the accessories information included with your computer or visit the Toshiba Web site at [accessories.toshiba.com](http://accessories.toshiba.com). Use only batteries designed to work with your Toshiba computer.

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

Never leave batteries in the battery charger for more than a week at a time. Doing so may reduce the potential charge of the battery. Always use the battery charger specified by Toshiba. You can order a Toshiba battery charger from Toshiba's Web site at [accessories.toshiba.com](http://accessories.toshiba.com).

## [Page 100: Charging The Main Battery](#)

Mobile Computing Charging batteries Charging the main battery To charge the main battery while it is in your computer, plug the computer into a live electrical outlet. The battery charges whether the computer is on or off. TECHNICAL NOTE: The recharging of the battery cannot occur when your computer is using all of the power provided by the AC adaptor to run applications, features, and devices.

## [Page 101: Monitoring Main Battery Power](#)

To recharge the RTC battery, plug the computer into a live electrical outlet and leave the computer powered on for 24 hours. NOTE It is seldom necessary to charge the RTC battery because it charges while the computer is on. If the RTC battery is low, the real-time clock and calendar may display the incorrect time and date or stop working.

[Page 102](#) Mobile Computing Monitoring main battery power HINT: Be careful not to confuse the battery light ( ON/OFF light ( When the ON/OFF light or power button light flashes amber, it indicates that the system is suspended (using the Windows operating system Sleep command). Power button AC power light...

## [Page 103: Determining Remaining Battery Power](#)

Determining remaining battery power Wait a few moments after turning on the computer before trying to NOTE monitor the remaining battery power. The computer needs this time to check the battery's remaining capacity and perform its calculations. Move the pointer over the power icon

in the notification area, see “Finding your way around the desktop”...

### [Page 104: Setting Battery Notifications](#)

Mobile Computing Monitoring main battery power Setting battery notifications You can set two notifications. Each notification can be set to alert you when a specified percentage of remaining battery power has been reached. You can also set the computer to enter Sleep mode or Hibernation mode or to completely power down when the notification goes off.

### [Page 105: Power Plans](#)

❖ How much you use the internal storage drive or other optional devices ❖ Where you are using the computer, since operating time decreases at low temperatures There are various ways in which you can conserve power and extend the operating time of your battery: ❖...

### [Page 106: Using A Hot Key To Set The Power Plan](#)

Mobile Computing Monitoring main battery power Select an appropriate plan for your work environment or create your own custom plan. Click Create a power plan in the left pane to set up a new plan. To edit a plan or to edit advanced settings, continue to the following steps: Click Change plan settings to choose the plan you want to edit.

### [Page 107: Using The Toshiba Eco Power Plan](#)

To learn how to access the utility, “TOSHIBA eco Utility™” on page For more information on the Toshiba eco power plan, see the Help file in the TOSHIBA eco Utility™ window. Changing the main battery When your main battery has run out of power, you have two options: plug in the AC adaptor or install a charged main battery.

### [Page 108: Removing The Battery From The Computer](#)

Mobile Computing Changing the main battery Removing the battery from the computer To remove the battery: Save your work. Turn off the computer or place it in Hibernation mode according to the instructions in Hibernation mode” on page Unplug and remove any cables connected to the computer, including the AC adaptor.

### [Page 109: Inserting A Charged 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. Put insulating tape, such as cellophane tape, on the electrode during transportation to avoid a possible short circuit, fire or electric shock.

### [Page 110: Taking Care Of Your Battery](#)

Mobile Computing Taking care of your battery Slide the battery release lock to the locked position. (Sample Illustration) Locking the battery release lock Turn the computer right side up. Reconnect any cables that were removed in step 3 of “Removing the battery from the computer” on page Restart the computer.

### [Page 111: Maintaining Your Battery](#)

❖ To replace the main battery, use an identical battery that you can purchase through the Toshiba Web site at accessories.toshiba.com. ❖ A reverse polarity condition should be avoided with all batteries. The main battery is designed so that it cannot be installed in reverse polarity.

### [Page 112: Disposing Of Used Batteries](#)

If you cannot find the information you need elsewhere, call Toshiba at: (800) 457-7777. In addition, Toshiba’s recycling initiatives include recycling programs, events and consumer promotions. For details, please visit...

### [Page 113: 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.

## [Page 114: 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 computer. Exploring the desktop The desktop is the launching pad for everything you can do in the ® Windows operating system. You can use its features to start programs, find documents, set up system components, and perform most other computing tasks.

## [Page 115: 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, notification area, and background pattern. Icons Start button Taskbar Notification area ® (Sample Image) Windows operating system desktop Icons An icon represents a folder, file, or program that can be quickly activated by double-clicking the icon.

[Page 116](#) Exploring Your Computer's Features Exploring the desktop ♦ TECHNICAL NOTE: If you delete a large number of files or very large files from the internal storage drive, there may be insufficient space available in the Recycle Bin to hold these files. In this case, Windows delete the file(s) or cancel the deletion.

## [Page 117: Setting Up For Communications](#)

To turn your wireless communication ON/OFF, press NOTE To enable or disable wireless communication, use the Hot Key Fn + F8 page 176. Exploring Your Computer's Features Setting up for communications . For more information see ® /LAN, etc.) Fn + F8 "Hot Keys/TOSHIBA Cards" on...

## [Page 118: Connecting Your Computer To A Network](#)

Exploring Your Computer's Features Exploring audio features NOTE When the Wireless antenna is ON, the wireless indicator light be lit. For help with common Wi-Fi networking problems" on page 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.

## [Page 119: Using External Speakers Or Headphones](#)

Click the Start Recording button. Speak normally into the microphone. NOTE For better sound quality, you may need to speak closer to the internal microphone. When you have finished recording, click the Stop Recording button. The Save As dialog box appears. To save the file, type a file name, and then click Save.

## [Page 120: Using The Web Camera](#)

The Web Camera software, by default, should already be running. The Web Camera indicator light glows when the Web Camera is active. For more information on the software, click Start, All Programs, TOSHIBA, Utilities, and then Web Camera Application Help. Using the Memory card reader The Memory card reader supports the use of Secure Digital™ ...

## [Page 121: Inserting Memory Media](#)

Inserting memory media The following instructions apply to all types of supported media devices. Turn the media so that the contacts (metal areas) are face down. Push the media into the adapter until it locks in place. (Sample Illustration) Inserting memory media When inserting memory media, do not touch the metal contacts.

[Page 122](#) Exploring Your Computer's Features Using the Memory card reader Grasp the card and pull it straight out. (Sample Illustration) Removing memory media Do not remove memory media while data is being written or read. Even when the Windows to the media might still be in progress and your data could be destroyed.

## [Page 123: Chapter 5: Utilities](#)

♦ TOSHIBA Recovery Media Creator ♦ TOSHIBA Application Installer ♦ Supervisor password ♦ User password ♦ TOSHIBA PC Diagnostic Tool Utility ♦ TOSHIBA HDD Protection Utility ♦ Mouse Utility ♦ TOSHIBA Hardware Setup ♦ USB Sleep and Charge Utility ♦...

## [Page 124: Toshiba Assist](#)

TOSHIBA PC Health Monitor ♦ ConfigFree® 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, click Start, All Programs, TOSHIBA, Utilities, and then TOSHIBA Assist.

### [Page 125: Connect](#)

The TOSHIBA Assist offers four categories of options: ♦ Connect ♦ Secure ♦ Protect & Fix ♦ Optimize  
Connect The features available in this category are: ♦ ConfigFree ♦ Bluetooth (Sample Image) TOSHIBA Assist window – Connect tab ® Connectivity Doctor ®...

### [Page 126: Secure](#)

Utilities TOSHIBA Assist Secure The features available in this category are: ♦ Supervisor password ♦ User password (Sample Image) TOSHIBA Assist window – Secure tab...

### [Page 127: Protect & Fix](#)

Protect & Fix The features available in this category are: ♦ TOSHIBA PC Diagnostic Tool Utility ♦ TOSHIBA HDD Protection Utility (Sample Image) TOSHIBA Assist window – Protect & Fix tab Utilities TOSHIBA Assist...

### [Page 128: Optimize](#)

The features available in this category are: ♦ Mouse Utility ♦ TOSHIBA Accessibility ♦ TOSHIBA Zooming Utility ♦ TOSHIBA Hardware Setup ♦ TOSHIBA eco Utility™ ♦ USB Sleep and Charge Utility (Sample Image) TOSHIBA Assist window – Optimize tab (Hardware Settings)

### [Page 129: Toshiba Recovery Media Creator](#)

Utilities TOSHIBA Recovery Media Creator TOSHIBA Recovery Media Creator The TOSHIBA Recovery Media Creator utility enables you to create recovery DVDs/media that can be used to return your system to its out-of-box state, if necessary. For detailed information on using the utility to create recovery DVDs/media, see “Creating...”

### [Page 130: Toshiba Application Installer](#)

Utilities TOSHIBA Application Installer TOSHIBA Application Installer The TOSHIBA Application Installer allows you to reinstall the drivers and applications that were originally bundled with your computer. To reinstall drivers and applications: Click Start, All Programs, My Toshiba, and then TOSHIBA Application Installer.

### [Page 131: 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 132: Using A Supervisor Password](#)

TOSHIBA is not responsible for any losses that may occur to you, your organization or others as a result of the inability to access your computer.

### [Page 133: Using A User Password](#)

TOSHIBA is not responsible for any losses that may occur to you, your organization or others as a result of the inability to access your computer.

### [Page 134: Deleting A User Password](#)

Utilities Setting passwords To register a password for the power-on password functions: Click Start, All Programs, TOSHIBA, Utilities, and then TOSHIBA Assist. The TOSHIBA Assist window appears. On the left side, click the Secure tab. Click the User Password icon.

### [Page 135: Toshiba Pc Diagnostic Tool Utility](#)

Refer to the online Help documentation within the application for additional help. NOTE The TOSHIBA PC Diagnostic Tool utility may show tests for features you do not have. This is normal and does not indicate a problem. To use the TOSHIBA PC Diagnostic Tool utility:...

## [Page 136: Toshiba Hdd Protection Utility](#)

Utilities TOSHIBA HDD Protection Utility TOSHIBA HDD Protection Utility The TOSHIBA HDD Protection Utility controls your computer's hard disk drive (HDD) protection feature, which parks the HDD whenever motion is detected on the computer. Using this utility, you can enable or disable hard disk drive (HDD) protection, and set the motion detector's sensitivity level for AC power and battery...

## [Page 137: Mouse Utility](#)

The settings you can change are divided into these categories: ♦ Buttons ♦ Pointers ♦ Pointer Options ♦ Hardware You may see additional categories depending on your particular pointing device. Adjust the settings as desired, then click OK. Utilities Mouse Utility TOSHIBA Assist.

## [Page 138: Toshiba Hardware Setup](#)

To access it: ♦ Click Start, All Programs, TOSHIBA, Utilities, and then HWSetup, or click the TOSHIBA Hardware Settings icon in the Optimize tab of The TOSHIBA HWSetup screen appears. (Sample Image) TOSHIBA HWSetup screen - General tab options The TOSHIBA HWSetup screen may have the following tabs: ♦...

[Page 139](#) ♦ LAN—Allows you to set networking functions ♦ Password—Allows you to set a user password ♦ USB—Allows you to enable or disable USB Legacy Emulation TOSHIBA Hardware Setup key. . For more information, see Fn + F5 Utilities "Directing the...

## [Page 140: Usb Sleep And Charge Utility](#)

"USB Sleep and Charge function." It also displays the remaining battery capacity. Starting the USB Sleep and Charge Utility To start this utility, click Start, All Programs, TOSHIBA, Utilities, and then USB Sleep and Charge. USB Sleep and Charge...

[Page 141](#) ♦ NOTE When "USB Sleep and Charge function" is set to Enabled, USB bus power (DC 5V) will be supplied to the compatible port even when the power of the computer is turned OFF. USB bus power (DC 5V) is similarly supplied to the external devices which are connected to the compatible ports.

## [Page 142: Enabling/Disabling Usb Sleep And Charge](#)

Utilities USB Sleep and Charge Utility Enabling/Disabling USB Sleep and Charge This utility can be used to enable or disable the USB Sleep and Charge function. To enable this function, select the Enable USB Sleep and Charge check box in the utility. To disable this function, de-select the check box.

## [Page 143: Toshiba Zooming Utility](#)

Acrobat ♦ Icons on the desktop To access the TOSHIBA Zooming Utility: Click Start, All Programs, TOSHIBA, Utilities, and then Zooming Utility. The TOSHIBA Zooming Utility Properties screen appears. (Sample Image) TOSHIBA Zooming Utility Properties screen Select the desired option(s).

## [Page 144: Toshiba Accessibility](#)

Utilities TOSHIBA Accessibility TOSHIBA Accessibility The TOSHIBA Accessibility utility allows you to use the 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 press it once, release it, and then press a function key to activate the hot key function.

## [Page 145: Toshiba Eco Utility](#)

The TOSHIBA eco Utility™ window appears. (Sample Image) TOSHIBA eco Utility™ window To activate the TOSHIBA eco power plan, select ON in the upper- left section of the screen. For more information on the TOSHIBA eco power plan and utility, click the Help button at the bottom of the window.

## [Page 146: Toshiba Service Station](#)

This information is used to identify and provide a notification of system conditions that may affect the performance of your TOSHIBA computer. It may also be used to help diagnose problems should the computer require service by Toshiba or Toshiba's authorized service

providers.

### [Page 147: Configfree](#)

You may disable the TOSHIBA PC Health Monitor at any time by uninstalling the software via the Windows will automatically delete all collected information from the internal storage drive. The TOSHIBA PC Health Monitor software does not extend or modify Toshiba's obligations under its standard limited warranty in any way.

### [Page 148: Configfree ® Utilities](#)

Utilities ConfigFree® Starting ConfigFree To start ConfigFree connection. Then perform any of the following steps: ♦ Click Start, All Programs, TOSHIBA, ConfigFree, and then click the desired utility. ♦ Double-click the ConfigFree icon ♦ Click the ConfigFree icon then click the desired utility.

[Page 149](#) ♦ Status of Wireless Connection switch (Sample Image) Connectivity Doctor screen Profile Settings The Profile Settings utility lets you save network settings in ® “profiles.” ConfigFree network settings and devices. You can switch network settings simply by selecting the profile with the desired settings. If you visit a client company occasionally, for example, you can set up a profile to match that environment and connect to the network.

[Page 150](#) Utilities ConfigFree® To create a profile: Click the Move the pointer to Profiles. Click Open Settings. The ConfigFree Profile Settings window appears. (Sample Image) ConfigFree Profile Settings window Click Add to start the Create Profile Wizard. icon in the notification area.

### [Page 151: 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.

### [Page 152: Problems When You Turn On The Computer](#)

If Something Goes Wrong Problems when you turn on the computer 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 153](#) Problems when you turn on the computer The computer is not accessing the internal storage drive or the optional external diskette drive. Your computer normally loads the operating system from the internal storage drive. If you have an internal storage drive problem, you will not be able to start the computer.

[Page 154](#) “trickle-charge” to the battery. Once the battery has been trickle-charged, it may begin working correctly again. If the trickle-charging does not prove effective, visit the Toshiba Web site at Bulletin Step-Charging the computer's battery (click the ® Ask Iris Connect the AC adaptor to a different power outlet, preferably in a different room.

### [Page 155: The Windows Operating System Is Not Working](#)

The output specifications of the AC adaptor must match the input specifications of the computer. If the specifications do not match, locate and use the AC adaptor that shipped with your computer. If the specifications do match, contact Toshiba. See page 173. ®...

### [Page 156: Internet Problems](#)

If Something Goes Wrong The Windows Press when your computer starts and before Windows loading. The Windows options: ♦ Repair Your Computer ♦ Safe Mode ♦ Safe Mode with Networking ♦ Safe Mode with Command Prompt ♦ Enable Boot Logging ♦...

### [Page 157: The Windows Operating System Can Help You](#)

Click one of the options listed in the window and then follow the on-screen instructions. You can connect to Support Online by clicking the Ask button and then clicking Microsoft Customer Support or by going to Toshiba support at pcsupport.toshiba.com. Fixing a problem with Device Manager Device Manager provides a way to check and change the configuration of a device.



## [Page 158: Memory Problems](#)

If Something Goes Wrong Memory problems To view the device(s) installed, double-click the device type. To view the properties, double-click the device. The operating system displays the device Properties dialog box, which provides an array of tabs. They may include: ♦...

## [Page 159: Power And The Batteries](#)

TECHNICAL NOTE: You must have at least one memory module installed for the computer to work. Power and the batteries Your computer receives its power through the AC adaptor and power cord/cable or from the system batteries (battery, optional secondary battery, and real-time clock (RTC) battery). Power problems are interrelated.

## [Page 160: Keyboard Problems](#)

After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack, see your accessories information included with your computer, or visit the Toshiba Web site at [accessories.toshiba.com](http://accessories.toshiba.com).

## [Page 161: Display Problems](#)

Display problems Here are some typical display problems and their solutions: The screen is blank. Display Auto Off may have gone into effect. Press any key to activate the screen. You may have activated the instant password feature by pressing simultaneously.

## [Page 162: Disk Or Storage Drive Problems](#)

If Something Goes Wrong Disk or storage drive problems A message displays saying 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. Reduce the size of the color palette to one that is supported by the computer's internal display.

## [Page 163: Error-Checking](#)

Error-checking Run Error-checking, which analyzes the directories and files on the storage drive and repairs any damage it finds. To run Error-checking: Click Start, and then Computer. Right-click the drive you want to check. On the pop-up menu, click Properties. The drive's Properties box appears.

## [Page 164: Sound System Problems](#)

If Something Goes Wrong Sound system problems A diskette will not go into the optional external diskette drive. You may already have a diskette in the drive. Make sure the drive is empty. You may be inserting the diskette incorrectly. Hold the diskette with the hub side facing down, and insert it so that the metal head window cover goes into the drive first.

## [Page 165: Wireless Networking Problems](#)

Make sure the printer cable is firmly attached to the computer and the printer. Run the printer's self-test to check for any problem with the printer itself. Make sure you installed the proper printer drivers as shown in "Setting up a printer" on page 74 with the printer.

[Page 166](#) ® Control Panel's Device Manager to verify ® adapter is recognized by the Windows . For more information see in the Search programs and files field. and press IPCONFIG /ALL ® "Hot Keys/TOSHIBA Cards" on ® Enter...

## [Page 167: Develop Good Computing Habits](#)

® The Windows does not work. If you are using an external Wi-Fi variety), check if the adapter comes with its own management utility. If it does, the utility may be disabling the Windows operating system wireless management utility, in which case you must use the adapter's management utility.

## [Page 168: 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 169](#) In the input field, enter a name that is descriptive enough to be easily understood in the future, such as “Before installing Brand X Accounting app.” Then click Create. The Windows automatically stamps it with the current date and time, and displays a message that the restore point was successfully created.

[Page 170](#) If Something Goes Wrong Develop good computing habits Fortunately, the Windows way to back up your computer or just your important files to optical discs, or hard drives. An external hard drive is recommended in case the internal storage drive fails. No additional software is required.

[Page 171](#) ( ) icon. ❖ USB Sleep and Charge may be disabled. Open the TOSHIBA Sleep and Charge Utility to check if the feature is disabled and to enable it if necessary. For more information, see “Enabling/Disabling USB Sleep and Charge”...

### [Page 172: If You Need Further Assistance](#)

If Something Goes Wrong If you need further assistance ❖ Try selecting a different charging mode in the TOSHIBA Sleep and Charge Utility, if your computer provides more than one charging mode. For more information, see mode settings” on page ❖...

### [Page 173: Contacting Toshiba](#)

Toshiba’s Technical Support Web site For technical support, or 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) Toshiba voice contact Before calling Toshiba, make sure you have: ❖...

### [Page 174: Other Toshiba Internet Web Sites](#)

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 175](#) 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). If Something Goes Wrong Toshiba’s worldwide offices United Kingdom Toshiba Information Systems (U.K) Ltd.

### [Page 176: Appendix A: Hot Keys/Toshiba Cards](#)

Appendix A Hot Keys/TOSHIBA Cards Hot keys and TOSHIBA Cards provide a quick way to modify selected system functions and to launch applications. There are two types of TOSHIBA Cards: Hot Key Cards and Application Cards. Hot Key Cards The Hot Key Cards are used to set or modify the following system functions: ❖...

### [Page 177: Using The Hot Key Cards](#)

To use the Hot Key Cards: Press and hold the The TOSHIBA Cards appear along the top of the screen. (Sample Image) Hot Key Card display Select the desired option. The selected Card is displayed full-size with its available options below it.

### [Page 178: Application Cards](#)

(Available on certain models.) TOSHIBA Zooming utility For more information, refer to “Zooming Utility” on page Disc Creator utility This Application Card launches the TOSHIBA Disc Creator utility. TOSHIBA Hardware Setup utility For more information, refer to “Hardware Setup” on page “TOSHIBA Assist”...

### [Page 179: Using The Application Cards](#)

Using the Application Cards To launch an application using the Application Cards: Press and hold the The TOSHIBA Cards display at the top of the screen. (Sample Image) TOSHIBA Card display Click the “stacked” card on the far right of the display. The Application Cards are hidden under this card.

## [Page 180: Hot Key Functions](#)

Hot keys have a legend on the key indicating the option or feature the key controls. Volume Mute This TOSHIBA Card or hot key enables/disables volume mute on your computer. When volume mute is enabled, no sound will come from the speakers or headphones.

## [Page 181: Lock \(Instant Security\)](#)

Lock (Instant security) This TOSHIBA Card or hot key blanks the display. Selecting this Card or pressing the hot key displays the following options: Fn + (Sample Image) Security options ❖ ❖ hot key function activates instant security. The user...

## [Page 182: Power Plan](#)

Hot Keys/TOSHIBA Cards Hot key functions Power plan This TOSHIBA Card or hot key displays the power plans and cycles through the power plans. The properties of each power plan, and the power plans that are displayed by this function, are set in the Power Options window.

## [Page 183: Sleep Mode](#)

Sleep mode This TOSHIBA Card or hot key places the computer into Sleep mode. For more information about Sleep mode, please see and configuring Sleep mode” on page Selecting this Card or pressing the hot key displays the following options:...

## [Page 184: Hibernation Mode](#)

Hot Keys/TOSHIBA Cards Hot key functions Hibernation mode This TOSHIBA Card or hot key places the computer into Hibernation mode. If Hibernation mode is disabled, this hot key will not respond. For more information on Hibernation mode, see “Using and configuring Hibernation mode” on page...

## [Page 185: Output \(Display Switch\)](#)

Output (Display switch) This TOSHIBA Card or hot key cycles through the power-on display options (only the first option is available when you do not have an external monitor attached) (the last option is available only if you are in Extended Display Mode).

## [Page 186: Display Brightness](#)

Built-in Display and TV). In extended desktop mode, the image is split into two sides, one side per display device. To swap sides, select Swap Image Display. Display brightness This TOSHIBA Card decreases or increases the screen brightness. This hot key decreases the screen brightness. Fn + This hot key increases the screen brightness.

## [Page 187: Disabling Or Enabling Wireless Devices](#)

Disabling or enabling wireless devices This TOSHIBA Card or hot key enables/disables the optional wireless devices installed in your computer. The wireless modes are: ❖ ❖ Fn + ❖ ❖ ❖ Selecting this Card or pressing the hot key displays the...

## [Page 188: Disabling Or Enabling The Touchpad](#)

Hot Keys/TOSHIBA Cards Hot key functions Disabling or enabling the TouchPad™ This TOSHIBA Card or hot key enables/disables the TouchPad™. For more information on using the TouchPad, see the TouchPad™” on page Selecting this Card or pressing the hot key displays the...

## [Page 189: Zoom \(Display Resolution\)](#)

Hot Keys/TOSHIBA Cards Hot key functions Zoom (Display resolution) This TOSHIBA Card or hot key switches screen resolution. Selecting this Card or pressing the hot key displays the following options: Fn + [Space bar] (Sample Image) Screen resolution options Cycle through the screen resolutions, then select the desired...

## [Page 190: Keyboard Hot Key Functions](#)

Fn + This hot key turns the numeric overlay on and off. This hot key turns the scroll lock feature on and off. Fn + This hot key turns the TOSHIBA Zooming Utility to Fn + zoom out. Fn + This hot key turns the TOSHIBA Zooming Utility to zoom in.

## [Page 191: Appendix B: Power Cord/Cable Connectors](#)

Appendix B Power Cord/Cable Connectors Your computer ships with the correct power supply for the country of purchase. This appendix shows the shapes of the typical AC power cord/cable connectors for various parts of the world. UL approved United Kingdom BS approved Australia AS approved...

## [Page 192: 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 DIMM alternating current basic input/output system bits per second compact disc compact disc read-only memory compact disc rewrite memory...

[Page 193](#) disk operating system dots per inch DSTN dual supertwist nematic digital versatile (or video) disc DVD-ROM digital versatile (or video) disc read-only memory enhanced capabilities port EPROM erasable programmable read-only memory eSATA external Serial Advanced Technology Attachment file allocation table Federal Communications Commission gigabyte hard disk drive...

[Page 194](#) Glossary 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 195](#) alternating current (AC) — The type of power usually supplied to residential and commercial wall outlets. AC reverses its direction at regular intervals. Compare direct current (DC). application — A computer program that you use to perform tasks of a specific type.

[Page 196](#) Glossary 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. CD —...

[Page 197](#) 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. See also cache, L1 cache, L2 cache. cursor —...

[Page 198](#) Glossary diskette — A thin, flexible disk in a protective jacket that stores magnetically encoded data. Diskettes can be removed from the computer and come in two sizes: 5.25-inch and 3.5-inch. Your computer uses 3.5-inch diskettes. See also double-density diskette, high-density diskette.

[Page 199](#) expansion device — A device that connects to a computer to expand its capabilities. Other names for an expansion device are port expander, port replicator, docking station, or network adapter. extension — See file extension. external device — See device. file —...

[Page 200](#) HDMI cable. See also HDMI. Hibernation — A feature of many Toshiba computers that saves to the internal storage drive 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 201](#) Internet — The decentralized, world-wide network of computers that provides electronic mail, the World Wide Web, and other services. See also World Wide Web. keyboard shortcut — A key or combination of keys that you use to perform a task instead of using a pointing device such as a mouse. L1 (level one) cache —...

[Page 202](#) Glossary 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 203](#) operating system — A set of programs that controls how the computer works. Examples of operating systems are the Windows Vista Home Basic and Windows optical drive — A drive which reads plastic coated discs on which information is recorded digitally, and uses a

laser to read data, music, or videos.

[Page 204](#) Glossary processor — See central processing unit (CPU). 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 —...

[Page 205](#) ROM (read-only memory) — Non-volatile memory that can be read but not written to. Non-volatile here means that information in ROM remains whether or not the computer is receiving power. This type of memory is used to store your computer's BIOS, which is essential instructions the computer reads when you start it up.

[Page 206](#) Glossary TFT display — See active-matrix display. universal serial bus (USB) — USB is a serial bus that supports a data transfer rate of up to 480 Mbps (480 million bits per second). USB can connect up to 127 peripheral devices through a single all- purpose USB port.

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