



Toshiba S300-EZ1511 User Manual

S300-ez1511 user's guide

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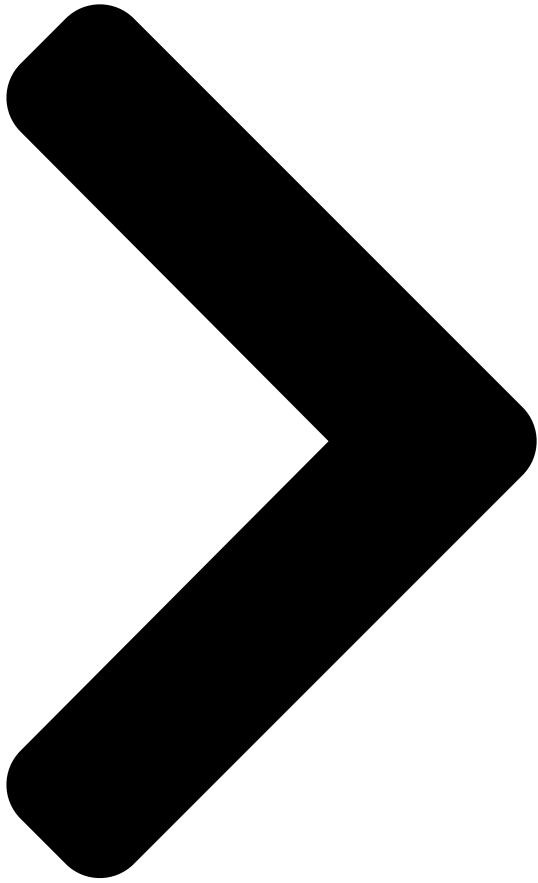
Quick Links

[1 If Problems Arise](#)

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

[3 Power and the Batteries](#)

[Download this manual](#)



Satellite Pro S300/S300M Series **TOSHIBA** User's Guide **Leading Innovation >>>**

If you need assistance:



Toshiba's Support Web site

pcsupport.toshiba.com



TOSHIBA

Toshiba Customer Support Center

Calling within the United States (800) 457-7777

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

Leading Innovation >>>

For more information, see

[page 176](#)



in this guide.

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

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Related Manuals for Toshiba S300-EZ1511

[Laptop Toshiba S300 EZ1514 - Satellite Pro - Core 2 Duo 2.1 GHz User Manual](#)

Toshiba user's guide for satellite s300/s300m (windows vista) (242 pages)

[Laptop Toshiba TECRA A10/S10/M10/SATELLITEPRO S300 TECRA S10 User Manual](#)

Vizio mouse user manual (240 pages)

[Laptop Toshiba SATELLITEPRO S300 User Manual](#)

Toshiba laptop user manual (56 pages)

[Laptop Toshiba Satellite Pro S300 Maintenance Manual](#)

(464 pages)

[Laptop Toshiba PTMB3U-00X00X User Manual](#)

User manual (242 pages)

[Laptop Toshiba TECRA A10 Satellite Pro S300 Series User Manual](#)

(242 pages)

[Laptop Toshiba Satellite Pro S300L-SP5919C Manual Del Usuario](#)

User's guide for satellite pro s300l (spanish) (español) (240 pages)

[Laptop Toshiba Satellite Pro S300L Series User Manual](#)

(209 pages)

[Laptop Toshiba Satellite Pro S300-EZ1512 Specifications](#)

Toshiba satellite pro s300-ez1512: specifications (5 pages)

[Laptop Toshiba Satellite Pro S300-EZ1513 Specifications](#)

Toshiba satellite pro s300-ez1513: specifications (5 pages)

[Laptop Toshiba Satellite Pro S300-EZ1514 Specifications](#)

Toshiba satellite pro s300-ez1514: specifications (5 pages)

[Laptop Toshiba Satellite Pro S300-EZ2501 Specifications](#)

Toshiba satellite pro s300-ez2501: specifications (5 pages)

[Laptop Toshiba Satellite Pro S300-S2503 Specifications](#)

Toshiba satellite pro s300-s2503: specifications (5 pages)

[Laptop Toshiba Satellite Pro S300-S2504 Specifications](#)

Toshiba satellite pro s300-s2504: specifications (5 pages)

[Laptop Toshiba Satellite Pro S300M-EZ2402 Specifications](#)

Toshiba satellite pro s300m-ez2402: specifications (5 pages)

[Laptop Toshiba Satellite Pro S300M-S2403 Specifications](#)

Toshiba satellite pro s300m-s2403: specifications (5 pages)

Summary of Contents for Toshiba S300-EZ1511

Page 1 Satellite Pro S300/S300M 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 176 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: Industry Canada Requirement](#)

Contact either: ♦ Toshiba's Support Web site at pcsupport.toshiba.com. ♦ Or call the Toshiba Customer Support Center: 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](#)

Toshiba Corporation, Toshiba America Information Systems, Inc. or an authorized representative of Toshiba, or the Toshiba Customer Support Center within the United States at (800) 457-7777 or Outside the United States at (949) 859-4273. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

[Page 6](#) 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 equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer. Instructions for IC CS-03 Certified Equipment NOTICE: The Industry Canada label identifies certified equipment.

[Page 7: Wireless Interoperability](#)

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: ♦ The IEEE 802.11 Standard on Wireless LANs (Revision A/B/G), as defined and approved by the Institute of Electrical and Electronics Engineers.

[Page 8: Regulatory Information](#)

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 9](#) The above caution applies to products that operate with an 802.11a radio device. 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 10](#) 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 11](#) Modem Warning Notice Conformity Statement The equipment has been approved to [Commission Decision "CTR21"] for pan-European single terminal connection to the Public Switched Telephone Network (PSTN). However, due to differences between the individual PSTNs provided in different countries/regions the approval does not, of itself, give an unconditional assurance of successful operation on every PSTN network termination point.

[Page 12](#) 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. 2. Indication The indication shown below appears on this equipment.

[Page 13: Device Authorization](#)

Device Authorization This device obtains the Technical Regulation Conformity Certification and the Technical Conditions Compliance Approval, and it belongs to the device class of radio equipment of low-power data communication system radio station stipulated in the Radio Law and the Telecommunications Business Law of Japan. The Name of the radio equipment: refer to the equipment label provided on the computer JAPAN APPROVALS INSTITUTE FOR TELECOMMUNICATIONS...

[Page 14](#) Brazil Cambodia Chile Costa Rica Cyprus Ecuador Estonia France Germany Greece Guatemala Hong Kong India Israel Jordan Latvia Lithuania Malaysia Mayotte Montenegro Netherlands Norway Paraguay Poland Qatar Russia San Marino Singapore South Africa Sweden Taiwan Ukraine Uruguay Venezuela Zimbabwe Bulgaria Canada China Croatia...

[Page 15](#) Approved Countries/Regions for use for the Atheros AR5BXB72 2.4 + 5GHz 11n minicard 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. NOTE This device works on passive scan only.

[Page 16](#) 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 17](#) Europe - Restrictions for Use of 5 GHz Frequencies in European Community Countries European Community Countries Austria Belgium, France, Switzerland/Liechtenstein Denmark, Finland, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Sweden, UK Iceland, Spain O: allowed x: forbidden ♦ To remain in conformance with European spectrum usage laws for Wireless LAN operation, the above 2.4 GHz and 5 GHz channel limitations apply.

[Page 18](#) Approved Countries/Regions for use for the Atheros AR5BXB63 11g minicard 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. Argentina Azerbaijan Brazil Chile Costa Rica...

[Page 19](#) Approved Countries/Regions for the Realtek 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 and Herzegovina Canada Colombia Cyprus Ecuador...

[Page 20](#) Approved Countries/Regions for use for the ® Intel PRO/Wireless 3945ABG Network Connection 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. NOTE An adhoc mode is available in Ch1-Ch11(802.11b/g), An Infrastructure mode is available in Ch1-Ch11 (802.11b/g)

[Page 21: Bluetooth Wireless Technology Interoperability](#)

11a, 11b, 11g and 11n wireless are based on IEEE 802.11a, 802.11b, 802.11g and 802.11n respectively. The IEEE 802.11n specification has not been finalized and is currently in draft release. The TOSHIBA 11a/b/g/n Wireless LAN Adapters are based on the Draft Release, Version 1.0, of the IEEE 802.11n specification.

[Page 22](#) 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 in the United States for...

[Page 23: Bluetooth Wireless Technology And Your Health](#)

Because products with Bluetooth wireless technology operate within the guidelines found in radio frequency safety standards and recommendations, TOSHIBA believes Bluetooth wireless technology 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 24: 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 25](#) 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. 2. Indication The indication shown below appears on this equipment.

[Page 26](#) Never attempt to disassemble, adjust or repair an 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 27](#) 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.

[Page 28](#) Systems Incorporated in the United States and/or other countries. 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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[Page 37: 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 38](#) (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 39: This Guide](#)

Toshiba’s Web site at 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 40: 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 41: Other Documentation](#)

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. If you have a problem or need to contact Toshiba, see “Goes Wrong” on page Introduction Other documentation 176.

[Page 42: 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 43: 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 44](#) Getting Started Selecting a place to work ❖ ❖ 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 45: 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 46: Setting Up Your Software](#)

Getting Started Setting up your computer NOTE Please handle your computer carefully to avoid scratching or damaging the surface. 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 completely. NOTE The names of windows displayed, and the order in which windows appear, may vary according to your software setup choices.

[Page 47: Registering Your Computer With Toshiba](#)

Product registration can be completed by either visiting the Toshiba Web site at <http://www.register.toshiba.com>, or by double-clicking the Toshiba Resources icon on your desktop and then double-clicking Toshiba Registration. Failure to complete Product Registration will not diminish Customer rights under the Toshiba standard limited Warranty.

[Page 48: 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 49](#) 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 50: 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 51: 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 52: Your Computer's Features And Specifications](#)

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

You may want to increase the computer's memory if you use complex software or process large amounts of data. NOTE Before adding external devices or memory, Toshiba recommends setting up your software. See Getting Started Adding memory (optional)

[Page 54: Installing A Memory Module](#)

Getting Started Adding memory (optional) Installing a memory module Memory modules can be installed in the memory module slots on the base of the computer. You will need a small Phillips screwdriver for this procedure. If the computer has been running recently, the memory module may be hot.

[Page 55](#) If the computer is on, begin at step 1; otherwise, skip to step 3. Click Start, and then click the arrow next to the lock button in the lower-right corner of the Start menu. The Shut Down menu appears. Start (Sample Image) Shut Down menu Click Shut Down.

[Page 56](#) Getting Started Adding memory (optional) Using a small Phillips screwdriver, loosen the captive screw that secures the memory module slot cover. (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 57](#) NOTE If your system has the memory modules stacked on top of one another, you must remove the top module first before removing/installing the bottom module. NOTE For this model Slot A is the bottom slot. Slot B is the top slot. If only one memory module is to be installed, it must be installed in Slot A.

[Page 58](#) 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 59: Removing A 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. Reconnect the cables. Restart the computer. TECHNICAL NOTE: You must have at least one memory module installed for the computer to work.

[Page 60](#) Getting Started Adding memory (optional) NOTE The following screen may appear when you turn on the power: If "Start Windows If one of the Safe Mode options is highlighted, it is best to press to go into Safe Mode, then shut down and restart the system, at Enter which time Windows When Safe Mode is suggested, this could be a sign that you may...

[Page 61: Checking Total Memory](#)

Gently lift the memory module to a 30-degree angle and slide it out of the slot. Slot A (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 62: Hard Drive Recovery Utilities](#)

Getting Started Hard Drive Recovery Utilities If the computer does not recognize the memory configuration, turn off the computer and remove the memory module slot cover (complete steps and then check that the module is inserted completely into the socket and lined up squarely with the socket latches. NOTE From time to time, Windows "Windows...

[Page 63: Creating Recovery Dvds](#)

DVDs to copy the hard drive recovery. If your optical disc drive is not writable, contact Toshiba Customer Support to obtain the Recovery media for your system. The Toshiba Customer Support Center in the United States is (800) 457-7777, outside the United States it is (949) 859-4273. To create recovery DVDs: Click Start, All Programs, Toshiba, Recovery, and then Recovery Disc Creator.

[Page 64: Hard Disk Drive Recovery Options](#)

Getting Started Hard Drive Recovery Utilities Hard Disk Drive Recovery options The following are the available hard disk drive recovery options: ♦ Recovering the original factory image (recommended recovery method) ♦ Hard Disk Drive Recovery using the recovery partition ♦ Erasing the hard disk ♦...

[Page 65](#) If not, skip to step 4. (Sample Image) Product Recovery Menu screen When the Toshiba Recovery Wizard screen displays, select one of the options and then click Next. The options are: ♦...

[Page 66](#) Be sure to save your work to external media first. On the Toshiba Recovery Wizard screen, select Recovery of Factory Default Software, and then click Next. The Recovery of Factory Default Software screen appears.

[Page 67](#) The Recovery Wizard allows you to delete all data and partitions from the hard disk. To delete the data and partitions from your hard disk: On the Toshiba Recovery Wizard screen, select Erase the hard disk, and then click Next. The next screen lists the two methods you can choose: ♦...

[Page 68](#) To recover only your C: drive: On the Toshiba Recovery Wizard Screen, select Recovery of Factory Default Software, and then click Next. Select Recover without changing the hard drive partitions.

[Page 69: Hard Disk Drive Recovery Using The Recovery Media](#)

Using the arrow keys, select the DVD option and press The Selecting a Process Screen will appear. Select one of the options and then click Next. The options are: ♦ Toshiba Recovery

[Page 70](#) Getting Started Hard Drive Recovery Utilities If your system offers a choice of Windows Vista bit operating system, select one at this time. If not, skip to step 6. (Sample Image) Product Recovery Menu screen A warning screen will appear stating that when the recovery is executed all data will be deleted and rewritten.

[Page 71: Checking The Hdd Operating Status](#)

The Toshiba Recovery Wizard screen will appear. Please refer “Hard Disk Drive Recovery options” on page 64 the available recovery options. (Sample Image) Toshiba Recovery Wizard screen Checking the HDD operating status After restoring your hard disk drive, you can check its status as follows: Click Start.

[Page 72: Using The Touchpad](#)

Getting Started Using the TouchPad™ Click Install. Follow the on-screen prompts to complete the installation process. Using the TouchPad The TouchPad keyboard, is sensitive to touch and enables you to move the cursor with the stroke of a finger. Simply move your finger on the TouchPad in the direction you would like to move the cursor: ♦...

[Page 73: Control Buttons](#)

Control buttons When a step instructs you to click or choose an item, move the cursor to the item, then press and release the primary (left-hand) button. To double-click, press the primary button twice in rapid succession. The primary button usually corresponds to the left mouse button.

[Page 74: Directing The Display Output When You Turn On The Computer](#)

Getting Started Using external display devices Directing the display output when you turn on the computer Once you have connected an external display device, you can choose to use the internal display only, the external device only, or both simultaneously. NOTE Some modes are only available with the appropriate device attached and turned on.

[Page 75: Adjusting The Quality Of The External Display](#)

Adjusting the quality of the external display To obtain the best picture quality from your television (or other video display device), you may need to adjust the video settings. See the video device documentation for additional configuration steps. Using an external keyboard If you prefer to use a full-size keyboard, you can attach one to your computer.

[Page 76: Setting Up A Printer](#)

Getting Started Connecting a printer If your printer does not support Plug and Play, you can set up the printer as described in To connect a printer to your computer: Connect the printer cable to the printer and then connect the other end to one of the computer’s USB ports.

[Page 77: Connecting An Optional External Diskette Drive](#)

Connecting an optional external diskette drive 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. (Sample Illustration) Optional external USB diskette drive To connect an optional external USB diskette drive, connect the cable to one of the computer’s USB ports.

[Page 78: Options For Turning Off The Computer](#)

Getting Started 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. ♦...

[Page 79](#) 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 80: Using The Shut Down Command](#)

Getting Started Turning off the computer 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.

[Page 81](#) Click Change advanced power settings. The Advanced settings tab of the Power Options window appears. (Sample Image) Advanced settings tab of Power Options screen Click Power buttons and lid to display the actions that you can configure. 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...

[Page 82: Using And Configuring Hibernation Mode](#)

Getting Started Turning off the computer Click Apply. Click OK. Once the computer is configured, you can turn it off by either pressing the power button or closing the display panel, depending on the options set. Restarting your computer To start the computer up again, press the power button until the ON/OFF light glows green.

[Page 83](#) To use any of these methods, you first need to enable them using the Power Options feature. Click Start, Control Panel, System and Maintenance, and then Power Options. The Power Options window appears. Click Change plan settings under the power plan to be customized.

[Page 84: Using And Configuring Sleep Mode](#)

Getting Started Turning off the computer ♦ Power button action Set this option to Hibernate if you want the computer to go into Hibernation mode when you press the power button. ♦ Start menu power button Set this option to Hibernate if you want the computer to go into Hibernation mode when you click the power button in the Start menu.

[Page 85](#) Click Sleep. 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. Configuring Sleep mode options You can place the computer into Sleep mode by either pressing the power button or closing the display panel.

[Page 86](#) Getting Started Turning off the computer ♦ To disable the computer from automatically entering Sleep mode, select Never. Click Change advanced power settings. The Advanced settings tab of the Power Options window appears. (Sample Image) Advanced settings tab of Power Options screen Click Power buttons and lid to display the actions that you can configure.

[Page 87: Closing The Display Panel](#)

Click Apply. Click OK. Once the computer is configured, you can place it into Sleep mode by either pressing the power button or closing the display panel, depending on the Sleep options set. Starting again from Sleep mode To start up the computer from Sleep mode, press the power button until the ON/OFF light glows green.

[Page 88: Cleaning 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 89](#) 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. The computer is now securely locked. (Sample Illustration) Attaching security lock cable Getting Started Caring for your computer...

[Page 90: 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 91: Using The Keyboard](#)

❖ Use Error-checking and Disk Defragmenter regularly to check and optimize disk space and improve performance. ❖ Scan all new files for viruses. This precaution is especially important for files you receive via diskette, email, or download from the Internet. ❖...

[Page 92: 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 93: 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, more information, see ® Special Windows keys (Sample Illustration) Special Windows Your computer's keyboard has one key and one button that have special functions in Windows ❖...

[Page 94: Using The Overlay To Type Numeric Data](#)

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 mode light on the keyboard indicator panel glows when the numeric overlay is on.

[Page 95: Starting A Program From Windows Explorer](#)

Click Start, and then All Programs. The Windows menu, which lists programs and program groups. If your program is listed, go to step 3, otherwise, continue with step 2. NOTE If you pause with your mouse on All Programs, it will open it up. You may need to scroll up or down to see the complete list.

[Page 96: Starting A Program Using The Start Search Field](#)

Learning the Basics Starting a program In the left part of the window, under the Local Disk C: icon, double-click the folder containing the program, in this case Program Files. Windows folder on the right side of the window. The left side of the window shows all the folders contained within the Program Files folder.

[Page 97: 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 98: Printing Your Work](#)

Learning the Basics Printing your work HINT: To make another copy of the file you are currently working with, click File, and then Save As, and give the new file a different name. 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.

[Page 99: Backing Up Your Work](#)

In your Windows 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. Backing up your work Back up all the files you create in case something happens to your computer.

[Page 100: Restoring Your Work](#)

Learning the Basics Using the optical drive Restoring your work To restore information from your backup media to your internal storage drive, use the Restore page in the backup program. Look in the online Help or your operating system documentation for information on restoring files.

[Page 101: Optical Drive Components](#)

Optical drive components The optical drive is located on the side of the computer. Your optical drive may look like this: Drive in-use indicator light Eject button Manual eject hole (Sample Illustration) Optical drive Drive in-use indicator light—Indicates when the drive is in use. Eject button—Press to release the disc tray.

[Page 102](#) Learning the Basics Using the optical drive Grasp the tray and pull it fully open. (Sample Illustration) Drive tray fully extended Hold the disc by its edges and check that it is free of dust. If the disc is dusty, clean it as described in discs”...

[Page 103: 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. You are ready to use the disc.

[Page 104: Removing A Disc With The Computer On](#)

Due to manufacturing and quality variations in third party optical media (e.g., CD or DVD) or optical media players/recorders, in certain cases, your Toshiba optical drive may not record on certain optical media that bear the applicable logo, or play back optical media recorded by other computers or optical media recorders.

[Page 105: Caring For Optical Discs](#)

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 106: 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...

[Page 107: Running The Computer On Battery Power](#)

EasyGuard Optimize—to enable users to customize system settings to be more productive. *Toshiba EasyGuard some of which may or may not be available on a particular Toshiba computer depending on the model selected. See easyguard.toshiba.com Running the computer on battery power The computer contains a removable Lithium-Ion (Li-Ion) battery that provides power when you are away from an AC outlet.

[Page 108: Power Management](#)

Changes to these settings may result in system performance or stability issues. 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 Customer Support Center. “Maintaining your battery” on page 121 ®...

[Page 109: Using Additional Batteries](#)

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.

[Page 110: Charging The Rtc Battery](#)

Mobile Computing Charging batteries 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 111: Monitoring Main Battery Power](#)

The computer can be used while the RTC battery is being charged, although the charging status of the RTC battery cannot be monitored. Monitoring main battery power The computer’s main battery light gives you an indication of the main battery’s current charge. ♦...

[Page 112: Determining Remaining Battery Power](#)

Mobile Computing Monitoring main battery power HINT: Be careful not to confuse the battery light (ON/OFF light (When the ON/OFF light flashes amber, it indicates that the system is suspended (using the Windows Power button AC power light ON/OFF light (Sample Illustration) Power and battery light locations Determining remaining battery power...

[Page 113: What To Do When The Main Battery Runs Low](#)

Move the cursor over the power icon in the Notification Area, see "Finding your way around the desktop" on page 125 information on the Notification Area. A pop-up message displays the remaining battery power as a percentage. With repeated discharges and recharges, the battery's capacity gradually decreases.

[Page 114: Conserving Battery Power](#)

Mobile Computing Monitoring main battery power To change the default notification settings: Click Start, Control Panel, Mobile PC, and then Power Options. The Power Options window appears. Click Change plan settings under the power plan to be customized. The Edit Plan Settings window appears. Click Change advanced power settings.

[Page 115: Power Plans](#)

There are various ways in which you can conserve power and extend the operating time of your battery: ♦ Enable Sleep or Hibernation, which saves power when you turn off the computer and turn it back on again ♦ Use the Windows These power-saving options control the way in which the computer is configured.

[Page 116: Using A Hot Key To Set The Power Plan](#)

Mobile Computing Monitoring main battery power To edit a plan or to edit advanced settings, continue to the following NOTE steps. Click Change Plan Settings to choose the plan you want to edit. This screen allows you to change basic settings. Click Change Advanced Settings to access settings for battery notification levels, internal storage drive power save time, etc.

[Page 117: Changing The Main Battery](#)

While continuing to press desired Power Plan. The Power Plan options are: Balanced, Power Saver, and High Performance. Release the The hot key card disappears. You are now in the selected mode. 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 118](#) Mobile Computing Changing the main battery Slide the primary battery release latch up, or away from the center of the computer, while at the same time applying light pressure to the battery to slightly pull it away from the computer. (Sample Illustration) Unlocking the primary battery release While continuing to lightly pull on the battery, slide the secondary battery release latch down, or away from the center...

[Page 119: 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 120: Taking Care Of Your Battery](#)

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. ♦ A reverse polarity condition should be avoided with all batteries.

[Page 121: Maintaining Your Battery](#)

Maintaining your battery Fully discharging your battery pack will allow better accuracy of the battery meter. To fully discharge your battery pack: ♦ Periodically, disconnect the computer from a power source and operate it on battery power until the battery pack fully discharges.

[Page 122: 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, visit www.ToshibaDirect.com, select Recycling &...

[Page 123: 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 124: 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 use its features to start programs, find documents, set up system components, and perform most other computing tasks.

[Page 125: Finding Your Way Around 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 (Sample Image) Windows Icons An icon represents a folder, file, or program that can be quickly activated by double-clicking the icon.

[Page 126](#) Exploring Your Computer's Features Exploring the desktop Your desktop may contain other icons depending on your configuration. See Windows information on each icon and how to use it. Start button You use the Start button to: ❖ Start programs ❖ Open documents ❖...

[Page 127: Setting Up For Communications](#)

Setting up for communications To connect to the Internet, use an online service, or communicate across the telephone lines with another computer, you need: ❖ A browser or communications program ❖ An Internet Service Provider (ISP) or online service if you plan to use the Internet ❖...

[Page 128: Connecting A Modem To A Telephone Line](#)

For specific information about connecting to a LAN or WAN, consult your network administrator. ❖ 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. ® , ask them for help when connecting to ® network.

[Page 129](#) 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. Plug one end of a telephone cable (purchased separately) into the modem port on the side of the computer.

[Page 130: An Overview Of Using The Internet](#)

Exploring Your Computer's Features An overview of using the Internet An overview of using the Internet The following sections give a quick introduction to the Internet and some of its exciting features, under these headings: ❖ The Internet ❖ The World Wide Web ❖...

[Page 131: Connecting To The Internet](#)

Connecting to the Internet To connect to the Internet, you need: ❖ A modem and telephone line, or a LAN connection ❖ A Web browser ❖ An Internet Service Provider (ISP) account Once you have established an ISP account, you can connect to the Internet.

[Page 132: Uploading To, And Downloading Files From, The Internet](#)

Exploring Your Computer's Features Exploring audio features 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. ❖ Internet chat rooms A chat room is a Web site that offers a place where people with similar interests and ideas communicate in real-time, one-on- one or in groups, by typing messages

which are instantly viewed by others on their computer screens.

[Page 133: Using External Speakers Or Headphones](#)

Click Start, All Programs, Accessories, and then Sound Recorder. (Sample Image) Sound Recorder screen Click the Start Recording button. Speak normally into the 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 134: Web Camera](#)

Exploring Your Computer's Features Web Camera Web Camera (Available on certain models) Your computer may come with a built-in Web Camera. With this Web Camera you can do the following: ♦ Take pictures and record videos with your computer ♦ Chat with others and have them see you while using instant messaging (IM) programs ♦...

[Page 135: Inserting A Pc Card](#)

Inserting a PC Card Before you insert a PC Card, refer to the documentation that comes with the card to see if you need to do anything before you insert it. To insert a PC Card: Locate the PC Card slot on the side of the computer. NOTE You may first need to remove the card slot protector before you can insert a card.

[Page 136: Setting Up A Pc Card For Your Computer](#)

PDAs, digital cameras, digital video camcorders, etc. The Bridge Media Adapter slot may also support other types of media. For a complete list of supported media, visit Toshiba's Web site at accessories.toshiba.com. NOTE Do not use the Copy Disk function for this type of media. To copy...

[Page 137: 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 138: Using The I.link ® Port](#)

Exploring Your Computer's Features Using the i.LINK 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 139: Using An Expansion Device](#)

Replicator, your computer must be properly aligned with the Port Replicator. For more information, consult the user's manual that came with your Port Replicator, or visit pcsupport.toshiba.com. On some computer models, you can attach an extended life battery to the expansion port. To find expansion devices compatible with your computer model, please visit accessories.toshiba.com.

[Page 140: Chapter 5: Utilities](#)

Supervisor password ♦ User password ♦ TOSHIBA Security Assist ♦ TOSHIBA PC Diagnostic Tool Utility ♦ TOSHIBA HDD Protection Utility ♦ TOSHIBA SD™ Memory Card Format Utility ♦ TOSHIBA SD™ Memory Boot Utility ♦ Mouse Utility ♦ TOSHIBA Hardware Setup...

[Page 141: Toshiba Assist](#)

Fingerprint Authentication Utility ♦ 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 142: Connect](#)

Utilities TOSHIBA Assist Connect The features available in this category are: ♦ ConfigFree ♦ Bluetooth ♦ Bluetooth (Sample Image) TOSHIBA Assist window - Connect tab ® Connectivity Doctor ® Settings ® Local COM Settings...

[Page 143: Secure](#)

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

[Page 144: Protect & Fix](#)

Utilities TOSHIBA Assist 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...

[Page 145: Optimize](#)

TOSHIBA SD™ Memory Card Format Utility ♦ Mouse Utility ♦ TOSHIBA Hardware Setup ♦ TOSHIBA Zooming Utility ♦ TOSHIBA Button Support ♦ CD/DVD Drive Acoustic Silencer ♦ TOSHIBA Accessibility (Sample Image) TOSHIBA Assist window – Optimize tab Utilities TOSHIBA Assist...

[Page 146: 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, Toshiba, Recovery, and then TOSHIBA Application Installer.

[Page 147: 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 148: 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 149: 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 150: 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 Password Utility. The TOSHIBA Password Utility window appears. (Sample Image) TOSHIBA Password Utility window Click Set. Enter your password, and then enter it again to verify.

[Page 151: Toshiba Security Assist](#)

TOSHIBA Security Assist The TOSHIBA Security Assist Utility acts as a “command center” where you can set up various passwords or other security features, and see how these features can be used with each other to increase security even further, or to simplify the ways that you protect your system.

[Page 152](#) Utilities TOSHIBA Security Assist ♦ Log on Settings—Select this category to set up security options that protect individual user accounts. ♦ Password of current user: Check the status of the Windows currently logged on. ♦ Password of all users: Check the status of the Windows password for any additional Windows computer.

[Page 153: 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 154: 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 155: Toshiba Sd™ Memory Card Format Utility](#)

This utility is used to format SD Adapter slot. To format an SD memory card using this utility: Click Start, All Programs, Toshiba, Utilities, and then SD Memory Card Format. The TOSHIBA SD Memory Card Format screen appears. (Sample Image) TOSHIBA SD Memory Card Format screen Select the drive corresponding to the SD memory card.

[Page 156: Toshiba Sd™ Memory Boot Utility](#)

Be sure to back up your data to external media before performing this procedure as data on the drive may be lost. Click Start, All Programs, Toshiba, Utilities, and then SD Memory Card. The TOSHIBA SD Memory Boot Utility screen appears.

[Page 157: Booting From A Bootable Sd Card](#)

Power on the computer. During the boot process, press the The system displays the Boot menu. Use the arrow keys to select the SD/Floppy icon. Press the TOSHIBA SD™ Memory Boot Utility "TOSHIBA SD™ Memory for instructions). Enter key. Utilities...

[Page 158: Mouse Utility](#)

To access the Mouse utility: Click Start, Control Panel, and then Mouse under Hardware and Sound, or click the Mouse icon in the Optimize tab of TOSHIBA The Mouse Properties screen appears. (Sample Image) Mouse Properties screen The settings you can change are divided into these categories: ♦...

[Page 159: Toshiba Hardware Setup](#)

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

[Page 160](#) Utilities TOSHIBA Hardware Setup ♦ CPU—Allows you to enable or disable CPU frequency switching modes Dynamically Switchable—This mode is the default setting for your computer, and automatically changes the processing frequency and decreases voltage depending on the power source: ♦...

[Page 161: 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 162](#) Utilities USB Sleep and Charge Utility ♦ 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 163: Enabling Usb Sleep And Charge](#)

Enabling USB Sleep and Charge This utility can be used to enable or disable the "USB Sleep and Charge function" group. Check the check box for the group to enable the "USB Sleep and Charge function" for the USB port assigned to that group. In the default state, the group is disabled.

[Page 164: Toshiba Zooming Utility](#)

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

[Page 165: Toshiba Button Support](#)

For more information about how to use the TOSHIBA Zooming Utility, right-click the click Help. TOSHIBA Button Support TOSHIBA Button Support allows you to customize the TOSHIBA Assist and Windows located above the keyboard. To access TOSHIBA Button Support: Click the TOSHIBA Button Support icon in the Optimize...

[Page 166: Cd/Dvd Drive Acoustic Silencer](#)

Click Silence Mode to make the drive run more slowly and quietly for listening to music or audio files on a CD. Click Normal Mode to run the drive at normal speed for transferring data. ® session. If you shut down, TOSHIBA Assist.

[Page 167: 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 168: Trusted Platform Module \(Tpm\)](#)

Trusted Platform Module (TPM) NOTE This section only applies to systems with TPM. Your Toshiba computer includes the TPM (Trusted Platform Module), which is a security encryption device for your system's internal storage drive. TPM is already included on your system, but needs to be installed and enabled using the following procedures.

[Page 169: 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 170: Fingerprint Logon](#)

Utilities Fingerprint Authentication Utility Fingerprint Logon The fingerprint utility enables logon to your computer using fingerprints. During user enrollment, fingerprint samples are saved and associated with the user's Windows user attempts to log on again, the user's fingerprint is read and compared with the user's enrolled fingerprints;...

[Page 171: Fingerprint Reader Limitations](#)

❖ 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) ❖ Injured finger ❖ Wet finger ❖...

[Page 172: Configfree](#)

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 173: Configfree ® Utilities](#)

Click Start, All Programs, Toshiba, and then 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 then click the desired utility. NOTE If your computer is not connected to a network, the ConfigFree icon in the Notification Area is displayed with an "X."...

[Page 174](#) Utilities ConfigFree® ❖ 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 175](#) To create a profile: Click the icon in the Notification Area. Move the pointer to Profile. Click Open Settings. The ConfigFree Profile Settings window appears. (Sample Image) ConfigFree Profile Settings window Click Add to start the Create Profile Wizard. Utilities

[Page 176: 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 177: 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 178](#) If Something Goes Wrong Problems when you turn on the computer If you are using an AC adaptor, verify that the computer is receiving power from the external power source by looking at the AC power light. If the indicator is glowing, the computer is connected to a live external power source.

[Page 179](#) Try turning the computer on again. If the computer starts normally, the AC adaptor may be defective and will need to be replaced (see the Toshiba Web site at accessories.toshiba.com). If the AC power light starts flashing, remove the battery, and continue with the steps below.

[Page 180: The Windows Operating System Is Not Working](#)

If Something Goes Wrong The Windows Verify that the AC adaptor is the correct unit for your computer model. The computer may not be able to start from an AC adaptor that is rated for less current (amperage) than the computer requires, even if the rated voltage is correct, and the plug fits correctly in the DC-IN socket.

[Page 181: Internet Problems](#)

The Windows ♦ Safe Mode with Command Prompt ♦ Enable Boot Logging ♦ Enable low-resolution video (640x480) ♦ Last Known Good Configuration (advanced) ♦ Directory Services Restore Mode ♦ Debugging Mode ♦ Disable automatic restart on system failure ♦ Disable Driver Signature Enforcement ♦...

[Page 182: 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 Microsoft Customer Support or by going to Toshiba support at 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 Windows and Support to troubleshoot the problem first.

[Page 183: Fixing A Problem With Device Manager](#)

The device most recently connected to the system is the one most likely to be causing a conflict. Resolving conflicts There are several things you can do to resolve hardware conflicts: ♦ Get the most recent drivers from the manufacturer. ♦...

[Page 184: Memory Problems](#)

If Something Goes Wrong Resolving a hardware conflict ♦ The Resources tab, which lists resources assigned to the monitor, optional external optical drive, optional external diskette drive, and other power-using functions. This tab does not appear if the device is not using resources. ♦...

[Page 185: Power And The Batteries](#)

NOTE For this model Slot A is the bottom slot. Slot B is the top slot. If only one memory module is to be installed, it must be installed in Slot A. 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).

[Page 186: 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.

[Page 187: Display Problems](#)

Nothing happens when you press the keys on the external keyboard. You may have plugged the external keyboard in while the computer was turned on. Using the computer's TouchPad: Click Start, and then click the arrow next to the Lock button in the lower-right part of the Start menu.

[Page 188](#) If Something Goes Wrong Resolving a hardware conflict ♦ Try adjusting the contrast and brightness controls on the external monitor. ♦ Press priority is not set for the built-in screen. The screen does not look right. You can change the display settings by clicking a blank area of the desktop with the secondary control button, then clicking Personalize.

[Page 189: Disk Or Internal Storage 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 computer. Your display contains an extremely large number of thin-film transistors (TFT) and is manufactured using high-precision technology.

[Page 190](#) If Something Goes Wrong Resolving a hardware conflict You can choose one or both options: ♦ Automatically fix file system errors ♦ Scan for and attempt recovery of bad sectors Click Start. Error-checking tests and repairs the disk. Your hard disk seems very slow. If you have been using your computer for a long time, your files may have become fragmented.

[Page 191: Optical Drive Problems](#)

For more information regarding supported optical media formats, refer to the complete detail specifications for your computer at pcsupport.toshiba.com. If the problem is with an optical data disc, refer to the software's documentation and check that the hardware configuration meets the program's needs.

[Page 192: Sound System Problems](#)

If Something Goes Wrong Resolving a hardware conflict The disc will not come out of the drive when you click the eject button on the screen. Press the button on the optical drive itself. For additional information see "does not slide out." on page Sound system problems No sound is coming from the computer's speakers.

[Page 193](#) PC Card checklist ♦ Make sure the card is inserted properly into the slot. ♦ Make sure all cables are securely connected. ♦ Occasionally a defective PC Card slips through quality control. If another computer with a PC Card slot is available, try the card in that machine.

[Page 194: Printer Problems](#)

If Something Goes Wrong Resolving a hardware conflict Select the item you wish to remove and click OK. Remove the device when told it is safe to do so. Never swap modules when the computer is in Hibernation or Sleep mode.

[Page 195: 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. If Something Goes Wrong Resolving a hardware conflict...

[Page 196: Wireless Networking Problems](#)

To determine if your computer has an internal Wi-Fi the device list in Device Manager (part of the Windows Panel, Hardware and Sound). Some Toshiba models may have a Wireless antenna ON/OFF switch even though they do not have an internal Wi-Fi ♦...

[Page 197](#) ♦ Verify that the network connection is configured to obtain its Internet Protocol (IP) address dynamically: Click Start, and then Network. Click View Status. Click Details. Verify that the DHCP Enabled setting is set to Yes. Click Close. ♦ Use IPCONFIG to verify that the computer has a useful IP address—one other than the private address of 169.254.xxx.xxx assigned by Windows Click Start to open the Start menu.

[Page 198: Dvd Operating Problems](#)

"Checking device properties" on page 183 on using Device Manager to view the optical drive 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 199: Develop Good Computing Habits](#)

Select Never on When to turn off the display. Click Save changes. The screen saver runs while you are watching a movie or title. If the screen saver is enabled, it runs on top of any movie or title you are watching. To disable the screen saver: Right-click on the desktop and click Personalize in the menu.

[Page 200: Data And System Configuration Backup In The Windows Operating System](#)

If Something Goes Wrong Develop good computing habits Get familiar with all the user's guides provided with your computer, as well as the manuals that come with the programs and devices you purchase. Your local computer store or book store sells a variety of self-help books you can use to supplement the information in the manuals.

[Page 201](#) Click Create. 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 202](#) An external hard drive is recommended in case the internal storage drive fails. No additional software is required. Most of the optical drives built into recent Toshiba portable computer models can write to (or 'burn') as well as read from optical discs.

[Page 203](#) General tips for installing hardware and software Here are a few tips to help ensure safe and easy installation of new hardware (printers, pointing devices, external hard drives, DVD writers, scanners, etc.) and software (applications like Microsoft ® Office and Adobe Photoshop toolbars for your web browser).

[Page 204](#) If Something Goes Wrong Develop good computing habits Install one item of hardware or software. Restart the Windows Use the new hardware or software for a while, noting any new problems. Make sure that your critical applications (e- mail, business applications, etc.) are working correctly, and verify that important devices are still functioning.

[Page 205: If You Need Further Assistance](#)

Go to the Tech Support Center, select your particular model from the list and go to the Detailed Specifications for that model. For the number of a Toshiba dealer near you in the United States, call: (800) 457-7777. If Something Goes Wrong...

[Page 206: 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 Toshiba voice contact Before calling Toshiba, make sure you have: ♦...

[Page 207: 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 208](#) 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. United Kingdom Toshiba Information Systems (U.K) Ltd. Toshiba Court Weybridge Business Park Addlestone Road...

[Page 209: 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 210: 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 Double-click the Card for the system function to be modified.

[Page 211: Application Cards](#)

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 Button Support utility For more information, refer to "Support"...

[Page 212: 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 213: Hot Key Functions](#)

Click Start, All Programs, Toshiba, Utilities, and then Settings for Flash Cards. (Sample Image) Enabling and Disabling Application Cards Click the Open cards case button. The Card Case displays two rows of Cards. Cards that appear solid (not transparent) in the bottom row are enabled and can be selected when the Application Cards are displayed.

[Page 214: Volume Mute](#)

Hot Keys/TOSHIBA Cards Hot key functions 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. Selecting this Card or pressing the hot key displays the...

[Page 215: 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: (Sample Image) Security options ♦ ♦ hot key function activates instant security. The user Fn + F1 logon screen will appear and a user with a valid account will need to log back on to gain access to the computer.

[Page 216: 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 217: 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: (Sample Image) Sleep options ♦...

[Page 218: 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 219: 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 220: Display Brightness](#)

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. This hot key increases the screen brightness.

[Page 221: 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: ❖ ❖ ❖ ❖
Selecting this Card or pressing the hot key displays the following options: (Sample Image)
Wireless communication options ❖...

[Page 222: 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 223: 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: [Space bar] (Sample Image) Screen resolution options Cycle through the screen resolutions, then select the desired...

[Page 224: Keyboard Hot Key Functions](#)

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

[Page 225: 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 226: Appendix C: Toshiba Pc Health Monitor](#)

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 227: Enabling The Toshiba Pc Health Monitor](#)

Toshiba's obligations under its standard limited warranty in any way. Toshiba's standard limited warranty terms and limitations apply. Enabling the TOSHIBA PC Health Monitor To enable the TOSHIBA PC Health Monitor, do one of the following: ❖ Click Start, All Programs, TOSHIBA, Utilities, and then PC Health Monitor.

[Page 228: If A Toshiba Pc Health Monitor Message Is Displayed](#)

We strongly recommend you have your computer checked by a Toshiba Authorized Service Provider. If you must use the computer for a short period of time before taking it to the Toshiba Authorized Service Provider, we recommend that you change the cooling method setting.

[Page 229: Cleaning The Cooling Module](#)

Enabling the TOSHIBA PC Health Monitor Cleaning the cooling module The following information is dependent on if access to the cooling module is available. Access is available on certain models only. NOTE If you use the computer for a long period, the inside of the computer may become hot.

[Page 230](#) TOSHIBA PC Health Monitor Enabling the TOSHIBA PC Health Monitor Clean the cooling module using a small vacuum designed for computers, or other cleaning tool. (Sample

Illustration) Cooling module NOTE Do not use a ballpoint pen or cotton swab for cleaning. It may clog the cooling module.

[Page 231: 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 232](#) Glossary DSTN DVD-ROM digital versatile (or video) disc read-only memory EPROM HTML IEEE LPT1 MIDI PCMCIA SCSI 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 gigabyte hard disk drive...

[Page 233](#) 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 234](#) Glossary baud rate — The speed at which a communication device, such as a printer or modem, transmits information. Baud rate is the number of signal changes per second (not necessarily the same as bits per second). See also bits per second. BIOS (basic input/output system) —...

[Page 235](#) central processing unit (CPU) — The chip that functions as the "brain" of the computer. It takes information from outside sources, such as memory or keyboard input, processes the information, and sends the results to another device that uses the information. character —...

[Page 236](#) Glossary default — The setting selected by a program when the user does not specify an alternative setting. device — A component attached to the computer. Devices may be external (outside the computer's case) or internal (inside the computer's case). Printers, disk drives, and modems are examples of devices.

[Page 237](#) double-click — To press and release the pointing device's primary button rapidly twice without moving the pointing device. In the Windows button, unless otherwise stated. double-density diskette — A 3.5-inch diskette that can hold up to 720 KB of information (half the capacity of a high-density diskette). See also diskette, high-density diskette.

[Page 238](#) Glossary file — A collection of related information, saved on disk with a unique name. A file may be a program, information used by a program, or a document. See also document. file allocation table (FAT) — The section of a storage drive that keeps track of the location of stored files.

[Page 239](#) 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 240](#) Glossary liquid crystal display (LCD) — A type of display that uses a liquid substance between two transparent electrode panels. When an electric current passes through the electrodes, the molecules in the liquid form a crystalline pattern that polarizes the light passing through it.

[Page 241](#) network — A collection of computers and associated devices that are connected by communications facilities. A network allows you to share data and peripheral devices, such as printers, with other users and to exchange electronic mail. non-interlaced — A method of refreshing a computer screen, in which each pixel of every line is refreshed as the electron beam scans across and down the screen.

[Page 242](#) Glossary Plug and Play — Generally, refers to the computer's ability to automatically configure itself to work with peripheral devices. When capitalized, refers to a standard that, when followed by a device manufacturer, allows a computer to configure itself

automatically to work with the device. pointing device —...

[Page 243](#) RJ11 — A modular connector used on most U.S. telephone systems and direct-connect modems. The RJ11 connector is a 6-wire connector. 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.

[Page 244](#) 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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