

Toshiba Satellite L300 Series User Manual

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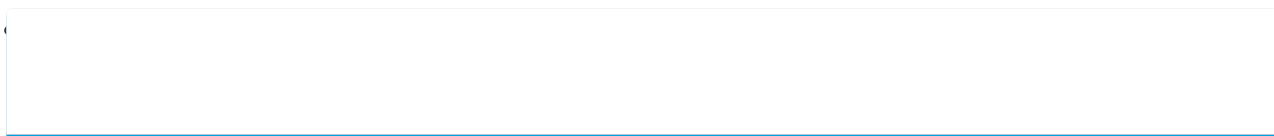
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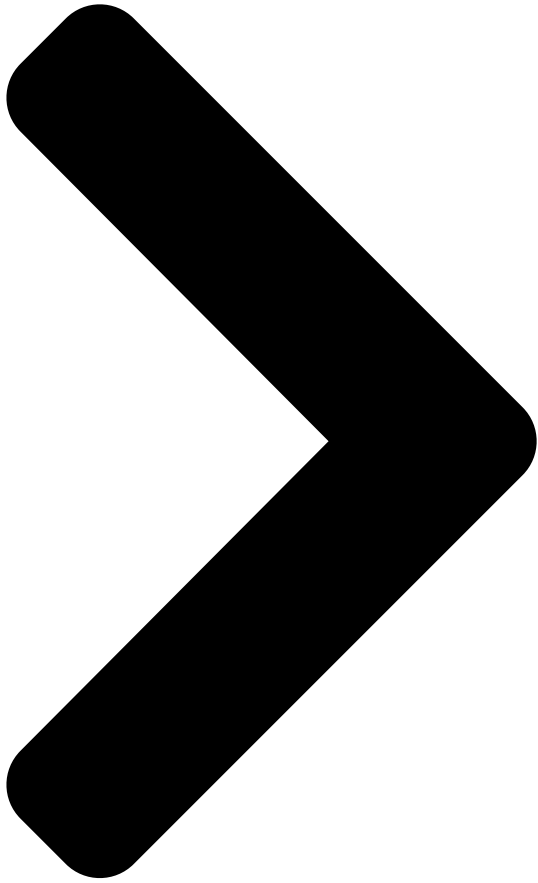
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TOSHIBA

TOS

Satellite L300/

Satellite Pro L300/

Satellite L300D/

Satellite Pro L300D series

User's Manual

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[Desktop Toshiba Satellite L300 Maintenance Manual](#)

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[Laptop Toshiba PSLC8U-03L023 - Satellite L305D-S5927 - Athlon X2 2.16 GHz Maintenance Manual](#)

Pslb0 series;pslb1 series; pslb2 series; pslb3 series (252 pages)

[Laptop Toshiba Satellite L300 Maintenance Manual](#)

Maintenance manual (244 pages)

[Laptop Toshiba L305D S5897 - Satellite - Turion 64 X2 2 GHz Manual Del Usuario](#)

User's guide for satellite l300d/l305d spanish (233 pages)

[Laptop Toshiba L300-ST3502 User Manual](#)

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[Laptop Toshiba Satellite L305D-S5974 Resource Manual](#)

User guide (64 pages)

[Laptop Toshiba Satellite L300 Series Resource Manual](#)

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[Laptop Toshiba Satellite L300D-ST3503 Resource Manual](#)

Toshiba satellite l300d-st3503: reference guide (56 pages)

[Laptop Toshiba Satellite L300D Maintenance Manual](#)

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[Laptop Toshiba Satellite Pro L300-EZ1004X Specifications](#)

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[Laptop Toshiba Satellite Pro L300-EZ1524 Specifications](#)

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Summary of Contents for Toshiba Satellite L300 Series

[Page 1](#) TOSHIBA Satellite L300/ Satellite Pro L300/ Satellite L300D/ Satellite Pro L300D series User's Manual...

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[Page 3: Safety Instructions](#)

Manufactured under license from Digital Theater Systems, Inc. U.S. Pat. No's. 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,226,616; 6,487,535 and other U.S. and world-wide patents issued and pending. "DTS" and "DTS Digital Surround" are registered trademarks of Digital Theater Systems, Inc. Copyright 1996, 2003 Digital Theater Systems, Inc. All Rights Reserved.

[Page 4: Fcc Information](#)

■ Use only the AC adaptor and batteries that are approved for use with this computer. Use of another type of battery or AC adaptor may risk fire or explosion. ■ Before you connect the computer to a power source, ensure that the voltage rating of the AC adaptor matches that of the available power source.

[Page 5: Fcc Conditions](#)

Only peripherals complying with the FCC class B limits may be attached to this equipment. Operation with non-compliant 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 external monitor port, USB port, and...

[Page 6](#) Note that Canadian Department of Communications (DOC) regulations provide, that changes or modifications not expressly approved by TOSHIBA Corporation could void your authority to operate this equipment. This Class B digital apparatus meets all requirements of the Canadian Interference-Causng Equipment Regulations.

[Page 7: Region Selection](#)

Japan regulations Region selection If you are using the computer in Japan, technical regulations described in the Telecommunications Business Law require that you select the Japan region mode. It is illegal to use the modem in Japan with any other selection.

[Page 8: Telephone Company Procedures](#)

FCC. In the event repairs are ever needed on your modem, they should be performed by TOSHIBA Corporation or an authorized representative of TOSHIBA Corporation.

[Page 9](#) Instructions for IC CS-03 certified equipment The Industry Canada label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective, operational and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements document(s).

[Page 10](#) Notes for users in Australia and New Zealand Modem warning notice for Australia Modems connected to the Australian telecoms network must have a valid Austel permit. This modem has been designed to specifically configure to ensure compliance with Austel standards when the country/region selection is set to Australia.

[Page 11](#) (a) There shall be no more than 10 call attempts to the same number within any 30 minute period for any single manual call initiation, (b) The equipment shall go on-hook for a period of not less than 30 seconds between the end of one attempt and the beginning of the next.

[Page 12: General Conditions](#)

■ It is recommended that this equipment be disconnected from the Telecom line during electrical storms. ■ When relocating the equipment, always disconnect the Telecom line connection before the power connection, and reconnect the power first. ■ This equipment may not be compatible with Telecom Distinctive Alert cadences and services such as FaxAbility.

[Page 13: Energy Star Program](#)

ENERGY STAR logo on the computer and the following information applies. TOSHIBA is a partner in the Environmental Protection Agency's (EPA) ® ENERGY STAR Program and has designed this computer to meet the ®...

[Page 14: Optical Disc Drive Safety Instructions](#)

Optical disc drive standards TOSHIBA Satellite L300/Satellite Pro L300/Satellite L300D/Satellite Pro L300D series computer is shipped with one of the following drives preinstalled: CD-RW/DVD-

ROM, DVD Super Multi (+-R DL), or DVD Super Multi (+-R DL) /w Label Flash drive. The drive has one of the following labels:...

[Page 15](#) PRODUCT IS CERTIFIED BY THE MANUFACTURER TO COMPLY WITH DHHS RULES 21 CFR SUBCHAPTER J APPLICABLE AT THE DATE OF MANUFACTURE. MANUFACTURED Toshiba Samsung Storage Technology Korea Corporation 416, Maetan-3Dong, Yeongtong-Gu Suwon City, Gyeonggi-Do, 443-742, Korea TEAC DW-224E/DW-224S Location of the required label...

[Page 16](#) DVD Super Multi (+-R DL) drive Panasonic UJ-870B/UJ-870F/UJ870-AB/UJ-870EB Location of the required label COMPLIES WITH FDA RADIATION PERFORMANCE STANDARDS, 21 CFR SUBCHAPTER J. MANUFACTURED Panasonic Communications Co., Ltd. 1-62, 4-Chome Minoshima Hakata-ku Fukuoka, Japan HLDS GSA-T40N/GSA-T40F/GSA-T50N/GSA-T50F Location of the required label COMPLIES WITH FDA RADIATION PERFORMANCE STANDARDS, 21 CFR SUBCHAPTER J.

[Page 17](#) PRODUCT IS CERTIFIED BY THE MANUFACTURER TO COMPLY WITH DHHS RULES 21 CFR CHAPTER 1, SUBCHAPTER J, APPLICABLE AT THE DATE OF MANUFACTURE. MANUFACTURED Toshiba Samsung Storage Technology Korea Corporation 416, Maetan-3Dong, Yeongtong-Gu, Suwon City, Gyeonggi-Do, 443-742, Korea User's Manual...

[Page 18](#) International precautions CAUTION: This appliance contains a laser system and is classified as a "CLASS 1 LASER PRODUCT." To use this model properly, read the instruction manual carefully and keep this manual for your future reference. In case of any trouble with this model, please contact your nearest "AUTHORIZED service station."...

[Page 19: Important Notice](#)

Dispose of used batteries according to the manufacturer's instructions. Use only the battery pack that came with the computer or an optional battery pack. Use of wrong battery could damage your computer. TOSHIBA assumes no liability for any damage in such case. User's Manual xviii...

[Page 20: Table Of Contents](#)

Special features 1-8 TOSHIBA Value Added Package1-10 Utilities and applications .

[Page 21](#) TOSHIBA Disc Creator4-13...

[Page 22](#) Using the microphone4-19 Using the TOSHIBA Face Recognition 4-19 Note on Use .

[Page 23](#) Power and Power-up Modes Chapter 6 Power conditions 6-1 Power indicators.

[Page 24](#) TOSHIBA support

[Page 25](#) Wireless LAN 10-4 Non-applicable icons .

[Page 26: Preface](#)

Preface Congratulations on your purchase of the TOSHIBA Satellite L300/Satellite Pro L300/Satellite L300D/Satellite Pro L300D series computer. This powerful, lightweight notebook computer is designed to provide years of reliable, high-performance computing. This manual tells you how to set up and begin using your Satellite L300/Satellite Pro L300/Satellite L300D/Satellite Pro L300D series computer.

[Page 27](#) Preface Chapter 5, Keyboard, describes special keyboard functions including the keypad overlay and hot keys. Chapter 6, Power and Power-up Modes, gives details on the computer's power resources and battery save modes. Chapter 7, HW Setup and Passwords, explains how to configure the computer using the HW Setup program.

[Page 28](#) Preface When procedures require an action such as clicking an icon or entering text, the icon's name or the text you are to type in is represented in the typeface you see to the left. Display Names of windows or icons or text generated by the computer that appear on its display screen are presented in the typeface you see to the left.

[Page 29: General Precautions](#)

General Precautions TOSHIBA computers are designed to optimize safety, minimize strain and withstand the rigors of portability. However, certain precautions should be observed to further reduce the risk of personal injury or damage to the computer. Be certain to read the general precautions below and to note the cautions included in the text of the manual.

[Page 30: Instruction Manual For Safety And Comfort](#)

General Precautions ■ If the computer has been used for a long time, avoid direct contact with the metal plate supporting the various interface ports as this can become hot. ■ The surface of the AC adaptor can become hot when in use but this condition does not indicate a malfunction.

[Page 31: Chapter 1 Introduction](#)

Some of the features described in this manual may not function properly if you use an operating system that was not preinstalled by TOSHIBA. Equipment checklist Carefully unpack your computer. Save the box and packaging materials for future use.

[Page 32: Software](#)

Modem Driver (Can be used only for Modem models) ■ Display Drivers for Windows ■ LAN Driver ■ Pointing Device Driver ■ TOSHIBA Face Recognition(Is preinstalled with some models) ■ Sound Driver for Windows ■ ® Ulead DVD MovieFacotry for TOSHIBA ■...

[Page 33: Memory](#)

Introduction Memory PC2-5300 512 MB, 1 GB or 2 GB memory Slots modules can be installed in the two memory slots of all models. PC2-6400 512 MB, 1 GB, 2 GB or 4 GB memory modules can only be installed in the two memory slots of below models: ®...

[Page 34: Disks](#)

Introduction Disks Hard disk drive The computer has one or two integrated, 2 1/2" hard disk drive(s) for nonvolatile storage of data (HDD) and software(depending on the model you purchased). It comes in the following sizes. ■ 80 GB ■ 120 GB ■...

[Page 35: Keyboard](#)

Introduction Some models are equipped with a full-size DVD DVD Super Multi (+-R Super Multi (+- R DL) drive module that lets you DL) drive record data to rewritable CD/DVDs as well as run CD/DVDs without using an adaptor. It reads DVD-ROMs at maximum 8 speed and CD-ROMs at maximum 24 speed.

[Page 36: Pointing Device](#)

Introduction Pointing device A touchpad and control buttons in the palm rest Built-in enable control of the on-screen pointer. Power The computer is powered by one rechargeable Battery pack lithium-ion battery pack. The internal RTC battery backs up the Real Time RTC battery Clock (RTC) and calendar.

[Page 37: Multimedia](#)

Introduction Multimedia Web camera Record/Send still or video images with this integrated web camera.(Provided with some models) Windows Sound System compatible sound sys- Sound system tem provides internal speaker as well as jacks for an external microphone and headphone. It also has a volume control dial.

[Page 38: Software](#)

Special features The following features are either unique to TOSHIBA computers or are advanced features which make the computer more convenient to use.To access the Power Options, click Start → Control Panel → System and Maintenance →...

[Page 39](#) Introduction Power-on password Two levels of password security, supervisor and user, are available to prevent unauthorized access to your computer. Instant security A hot key function blanks the screen and disables the computer providing data security. Intelligent power A microprocessor in the computer's intelligent supply power supply detects the battery's charge and calculates the remaining battery capacity.

[Page 40: Toshiba Value Added Package](#)

When you turn on the power again, you can continue working right where you left off. TOSHIBA Value Added Package This section describes the TOSHIBA Component features preinstalled on the computer. TOSHIBA Power TOSHIBA Power Option provides you with the...

[Page 41: Utilities And Applications](#)

Introduction ■ When you start or resume your computer, the TOSHIBA Flash Cards may take a moment to become available and may display several times before completely activating. The hot key functions will be available once the TOSHIBA Flash Cards are completely active.

[Page 42](#) You can edit digital video and make a DVD-Video MovieFactory® for and support LabelFlash function. TOSHIBA TOSHIBA ConfigFree ConfigFree is a suite of utilities to allow easy control of communication devices and network connections. ConfigFree also allows you to find communication problems and create profiles for easy switching between location and communication networks.

[Page 43: Options](#)

1BRS/PA3533U-1BAS), 6 cell Type (PA3534U- 1BRS/ PA3534U-1BAS) and 9 cell Type (PA3535U-1BRS/ PA3535U-1BAS) can be purchased from your TOSHIBA dealer. The battery pack is identical to the one that came with your computer. Use it as a spare or replacement.

[Page 44](#) Introduction USB FDD The USB floppy disk drive accommodates either a 1.44MB or 720KB floppy disk through connection to one of the computer's USB ports. In use, please be aware that, while you cannot format 720KB floppy disks under Windows Vista™, you are able to read and write to disks that have already been formatted.

[Page 45: Chapter 2 The Grand Tour](#)

Chapter 2 The Grand Tour This chapter identifies the various components of your computer. Become familiar with each component before you operate the computer. Front with the display closed Figure 2-1 shows the computer's front with its display panel in the closed position.

[Page 46](#) The Grand Tour Front edge logo indicates the computer series you Front edge logo bought. (Depends on the model you purchased.) Slide this switch toward the right of the computer to Wireless turn on Wireless communication. Slide it toward the communication left of the computer to turn off the functions.

[Page 47: Left Side](#)

The Grand Tour Left side Figure 2-2 shows the computer's left side. JACK XPRESS AN VENT PC C
ARD SLOT HDMI OUT PORT PORTS XTERNAL MONITOR PORT EPENDING ON THE MODEL YOU
PURCHASED Figure 2-2 The left side of the computer This 15-pin port allows you to connect an
external External monitor monitor.

[Page 48](#) The Grand Tour Universal serial The two universal serial bus (USB) ports comply bus
(USB 2.0) with USB Serial 2.0 standards, which enables data ports transfer speeds 40 times
faster than the USB 1.1 standards. (The ports also support USB 1.1) Keep foreign objects out of
the USB connectors.

[Page 49: Right Side](#)

The Grand Tour Right side Figure 2-3 shows the computer's right side. ECURITY LOCK SLOT DC
IN 19V PTICAL DISC DRIVE PORT Figure 2-3 The right side of the computer Universal serial The
universal serial bus (USB) port comply with bus (USB 2.0) USB Serial 2.0 standards, which
enables data ports...

[Page 50: Back Side](#)

The Grand Tour Back side Figure 2-4 shows the computer's back side. ODEM JACK EPENDING ON
THE MODEL YOU PURCHASED Figure 2-4 The computer's back side Modem jack In areas where
an internal modem is installed as standard equipment, there is a modem jack that lets you use
a modular cable to connect the modem directly to a telephone line.

[Page 51](#) Chapter 6, Power and Power-up Modes, describes how to access the battery pack.
Additional battery packs can be purchased from your TOSHIBA dealer to extend the computer's

battery operating time.. Battery release Slide this latch to release the battery pack.

[Page 52: Front With The Display Open](#)

The Grand Tour Front with the display open Figure 2-6 shows the front of the computer with the display open. To open the display, lift the display up and position the display at a comfortable viewing angle. EB CAMERA EB CAMERA LED ULT IN MICROPHONE ISPLAY SCREEN...

[Page 53: Function Button](#)

The Grand Tour Touch pad Moves the pointer and selects or activates items on the screen. Can be set to perform other mouse functions, such as scrolling, selecting, and double-clicking. Touch pad Function like the left and right buttons on an external control buttons mouse.

[Page 54: System Indicators](#)

Mute button Press this button to launch an application CD/DVD button program that allows Windows Media Player / TOSHIBA DVD PLAYER. Press this button to begin playing an audio CD, a Play/Pause DVD movie or digital audio files. This button also button acts as a Pause button.

[Page 55: Keyboard Indicators](#)

The Grand Tour The DC IN indicator glows green when DC power DC IN is supplied from the AC power adaptor. If the adaptor's output voltage is abnormal or if the power supply malfunctions, this indicator shows no light. The Power indicator glows green when the Power computer is on.

[Page 56: Optical Disc Drive](#)

The Grand Tour When the F11 key indicator glows the keypad overlay lets you enter number. RROW MODE UMERIC MODE Figure 2-9 Keypad overlay indicators Arrow mode When the Arrow mode indicator lights green, you can use the keypad overlay (dark gray labeled keys) as cursor keys.

[Page 57: Writable Discs](#)

Writable discs This section describes the types of writable CD/DVD discs. Check the specifications for your drive to for the type of discs it can write. Use TOSHIBA Disc Creator to write compact discs. Refer to Chapter 4, Operating Basics ■...

[Page 58: Dvd Super Multi \(+-R DL\) Drive](#)

The Grand Tour DVD Super Multi (+-R DL) drive The full-size DVD Super Multi (+-R DL) drive module allows you record data to rewritable CDs as well as run either 12 cm (4.72") or 8 cm (3.15") CD/DVDs without using an adaptor. The read speed is slower at the center of a disc and faster at the outer edge.

[Page 59: Ac Adaptor](#)

Figure 2-10 The AC adaptor (2-pin plug) Figure 2-11 The AC adaptor (3-pin plug) ■ Use of the wrong adaptor could damage your computer. TOSHIBA assumes no liability for any damage in such case. The output rating for the computer is 19 volts DC.

[Page 60: Chapter 3 Getting Started](#)

Chapter 3 Getting Started This chapter provides basic information to start using your computer. It covers the following topics: Be sure also to read Instruction Manual for Safety and Comfort. This guide, which is included with the computer, explains product liability. ■...

[Page 61: Connecting The Ac Adaptor](#)

Chapter 6, Power and Power-up Modes. Use of the wrong adaptor could damage your computer. TOSHIBA assumes no liability for any damage in such case. The output rating for the computer is 19 volts DC.

[Page 62: Opening The Display](#)

Getting Started Opening the display The display panel can be rotated in a wide range of angles for optimal viewing. To open the display, slide the latch to the right side and lift the panel up to the best viewing angle. When you open the display, be sure to hold the base firmly and lift up

the monitor slowly.

[Page 63: Starting Up For The First Time](#)

Getting Started POWER BUTTON Figure 3-4 Turning on the power Starting up for the first time When you first turn on the power, the computer's initial screen is the ® Microsoft Windows Vista™ Startup Screen Logo. Follow the on-screen directions. Turning off the power The power can be turned off in one of three modes: shut down (Boot) , hibernation mode or sleep mode.

[Page 64: Hibernation Mode](#)

Getting Started Hibernation mode The hibernation feature saves the contents of memory to the hard disk when the computer is turned off. The next time the computer is turned on, the previous state is restored. The hibernation feature does not save the status of peripheral devices.

[Page 65: Sleep Mode](#)

Getting Started 4. Enable the desired hibernation settings for When I press the power button and When I close the lid. 5. Click the Save changes button. You can also enable hibernation mode by pressing FN + F4 - please refer to Chapter 5, Keyboard, for further details.

[Page 66: Restarting The Computer](#)

Getting Started Benefits of sleep mode The sleep feature provides the following benefits: ■ Restores the previous working environment more rapidly than does hibernation feature. ■ Saves power by shutting down the system when the computer receives no input or hardware access for the duration set by the system sleep feature.

[Page 67: System Recovery Options](#)

Getting Started 2. Press CTRL, ALT and DEL simultaneously (once) to display the menu window, then click the arrow button in the lower right corner of the screen, then select Restart. 3. Press the power button and hold it down for five seconds. Once the computer has turned itself off, wait between ten and fifteen seconds before turning the power on again by pressing the power button.

[Page 68: Restoring The Preinstalled Software From The Recovery Hdd](#)

Getting Started 5. Double click the Recovery Disc Creator icon on the Windows Vista™ desktop, or select the application from Start menu. 6. After Recovery Disc Creator starts, select the type of media and the title you wish to copy to the media then click the Burn. If your optical drive can only write to CDs, select "CD"...

[Page 69](#) 1. Load the Recovery Media in the optional optical disc drive and turn off the computer's power. 2. Hold down the F12 key and turn on the power. When TOSHIBA Leading Innovation>>> appears, release the F12 key. 3. Use the up or down cursor key to select CD/DVD in the display menu.

[Page 70: Chapter 4 Operating Basics](#)

Chapter 4 Operating Basics This chapter gives information on basic operations including using the touchpad, optical disc drives, Audio/Video controls, the web camera, the microphone, the internal modem, wireless communication and LAN. It also provides tips on caring for your computer, and CD/DVDs. Using the touchpad To use the touchpad, simply touch and move your finger tip across it in the direction you want the on-screen pointer to go.

[Page 71: Using Optical Disc Drives](#)

CD/DVDs-based programs. You can run CD/DVDs without an adaptor. When the computer is accessing a CD/DVDs, an indicator on the drive glows. Use the TOSHIBA DVD PLAYER application to view DVD-Video discs.(CD-RW/DVD-ROM drive model or DVD Super Multi (+-R DL) drive model)

[Page 72: Loading Discs](#)

Operating Basics Loading discs To load CD/DVDs, follow the steps below and refer to figures. 1. a. When the power is on, press the eject button to open the drawer slightly. EJECT BUTTON Figure 4-2 Pressing the eject button b. Pressing the eject button will not open the drawer when the

drive's power is off.

[Page 73](#) Operating Basics 2. Grasp the drawer gently and pull until it is fully opened. Figure 4-4 Pulling the drawer open 3. Lay the CD/DVD, label side up, in the drawer. Figure 4-5 Inserting a CD/DVD When the drawer is fully opened, the edge of the computer will extend slightly over the CD/DVD tray.

[Page 74: Removing Discs](#)

Operating Basics 5. Push the center of the drawer to close it. Press gently until it locks into place. If the CD/DVD is not seated properly when the drawer is closed, the CD/DVD might be damaged. Also, the drawer might not open fully when you press the eject button.

[Page 75: Function Button](#)

This section describes about Function button. Six buttons are provided with some models. Figure 4-8 Function button Icon Function *CD/None button Mute Mute Mute CD/DVD Launch TOSHIBA DVD Launch Windows Media PLAYER. Player Play/Pause Play/Pause Play/Pause Stop Stop Previous...

[Page 76: Writing Cds On Cd-Rw/Dvd-Rom Drive](#)

Ricoh Co., Ltd. CD-RW: MITSUBISHI KAGAKU MEDIA CO., LTD ■ TOSHIBA has confirmed the operation of CD-R and CD-RW media of the manufacturers above. Operation of other media cannot be guaranteed. ■ CD-RW can generally be rewritten about 1,000 times. However, the actual number of rewrites is affected by the quality of the media and the way it is used.

[Page 77: When Writing Or Rewriting](#)

Write from the computer's HDD to the CD. Do not try to write from shared devices such as a LAN server or any other network device. ■ Writing with software other than TOSHIBA Disc Creator has not been confirmed. Therefore, operation with other software cannot be guaranteed.

[Page 78: Writing Cd/Dvds On Dvd Super Multi \(+-R DL\) Drive](#)

CD-R/-RW or DVD-R/- RW/+R/+RW/-RAM/+R DL/-R DL discs. The following applications for ® writing are supplied: TOSHIBA Disc Creator. Ulead DVD Movie Factory for TOSHIBA, which is a product of Ulead Systems, Inc. Important message (DVD Super Multi (+-R DL) drive)

[Page 79](#) Operating Basics DVD-RW: DVD Specifications for DVD-RW Disc for General Version 1.2 MITSUBISHI KAGAKU MEDIA CO., LTD. Victor Company of Japan, LTD. DVD+RW: MITSUBISHI KAGAKU MEDIA CO., LTD. DVD-RAM: DVD Specifications for DVD-RAM Disc for Version 2.0, Version 2.1 or Version 2.2 Matsushita Electric Industrial Co., Ltd.

[Page 80](#) Write from the computer's HDD to the CD/DVD. Do not try to write from shared devices such as a LAN server or any other network device. ■ Writing with software other than TOSHIBA Disc Creator is not recommended. User's Manual...

[Page 81: When Writing Or Rewriting](#)

Always copy data from the HDD to the optical disc. Do not use cut-and- paste. The original data will be lost if there is a write error. Disclaimer (DVD Super Multi (+-R DL) drive) TOSHIBA does not bear responsibility for the following: ■ Damage to any CD-R/-RW or DVD-R/-R DL/-RW/+R/+R DL/+RW/DVD- RAM disc that may be caused by writing or rewriting with this product.

[Page 82: Toshiba Disc Creator](#)

CD Player' function to record music to DVD-R, DVD-R DL,DVD-RW, DVD+R, DVD+R DL, or DVD+RW media. ■ Do not use the 'Disc Backup' function of TOSHIBA Disc Creator in order to copy DVD Video, or DVD-ROM material that has copyright protection.

[Page 83: Data Verification](#)

Simplified steps for making a Labelflash DVD: 1. Insert a Labelflash disc in DVD drive. Set PRINTING SIDE for underside. 2. Click [Start] - [All Programs] - [DVD MovieFactory for TOSHIBA] - [Ulead DVD MovieFactory for TOSHIBA Launcher] to launch DVD MovieFactory.

[Page 84: How To Learn More About Ulead Dvd Moviefactory](#)

5. Choose the capture source is DV. 6. Press Capture button. Simplified steps for making a DVD-Video from adding video source: 1. Click [Start] - [All Programs] - [DVD MovieFactory for TOSHIBA] - [Ulead DVD MovieFactory for TOSHIBA Launcher] to launch DVD MovieFactory.

[Page 85](#) Operating Basics ■ Do not operate DVD MovieFactory immediately after turning on the computer. Please wait until all Disc Drive activity has stopped. ■ When recording to a DV-Camcorder, to ensure you capture all of your data, let the camcorder record for a few seconds before you begin recording your actual data.

[Page 86: Media Care](#)

Operating Basics Media care This section provides tips on protecting data stored on your CD/DVD. Handle your media with care. The following simple precautions will increase the lifetime of your media and protect the data stored on them: CD/DVD 1. Store your CD/DVD in the container they came in to protect them and keep them clean.

[Page 87: Using The Software](#)

Operating Basics Using the software The web camera software is pre-configured to start when you turn on Windows Vista; if you need to restart it go to [Start] - [Programs] - [Camera Assistant Software] - [Camera Assistant Software]. IDEO RECORDING UDIO RECORDING APTURE STILL IMAGES UNCTION...

[Page 88: Using The Microphone](#)

Toshiba does not guarantee that the face recognition 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 face recognition software or utility.

[Page 89: How To Register The Face Recognition Data](#)

Operating Basics TOSHIBA, ITS AFFILIATES AND SUPPLIERS SHALL HAVE NO RESPONSIBILITY FOR DAMAGE TO OR LOSS OF ANY BUSINESS, PROFITS, PROGRAMS, DATA, NETWORK SYSTEMS OR REMOVABLE STORAGE MEDIA ARISING OUT OF OR RESULTING FROM THE USE OF THE PRODUCT, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

[Page 90: How To Delete The Face Recognition Data](#)

→ TOSHIBA Face Recognition Help. Windows Logon via TOSHIBA Face Recognition This section explains how to login to Windows with TOSHIBA Face Recognition. Two authentication modes are provided. ■ AUTO Mode Login screen : If the face authentication tile is selected by default, you can log in without using the keyboard or mouse.

[Page 91: Modem](#)

Operating Basics AUTO Mode Login screen 1. Turn on the computer. 2. The Select Tiles screen will be displayed. 3. Select Start face recognition. 4. " Please turn your face to the camera " will be displayed. 5. Verification will be performed. If the authentication is successful, the image data taken in step 4 will be faded in and placed over one another.

[Page 92: Region Selection](#)

To select a region, follow the steps below. 1. In Windows Vista™, click start, point to All Programs, point to TOSHIBA, point to Networking and click Modem Region Select. Do not use the Country/Region Select function in the Modem setup utility in the Control Panel if the function is available.

[Page 93: Properties Menu](#)

Operating Basics Properties menu Click the icon with the secondary mouse button to display the following menu. Figure 4-12 The menu list (Windows Vista™) Setting You can enable or disable the following settings: AutoRun Mode The Region Select utility starts automatically when you start up the operating system.

[Page 94: Disconnecting](#)

Operating Basics 2. Plug the other end of the modular cable into a telephone jack. ODEM JACK ELEPHONE JACK Figure 4-13 Connecting the internal modem Do not pull on the cable or move the computer while the cable is connected. Disconnecting To disconnect the internal modem

cable, follow the steps below.

[Page 95: Wireless Communication Switch](#)

TOSHIBA strongly recommends the customer to enable the encryption function. ■ TOSHIBA is not liable for the eavesdropping of data due to the use of Wireless LAN and the damage thereof. Wireless communication switch You can enable or disable RF transmission(Wireless LAN) functions on and off, with this switch (Provided with some models).

[Page 96: Lan](#)

Operating Basics If you used the Task Bar to disable Wireless LAN, restart the computer or follow the procedures below to enable the system to recognize Wireless LAN. Click [Start] - [Control Panel] - [System and Maintenance] - [System] - [Device Manager] - [Network Adaptors], and right click the wireless device then choose Enable.

[Page 97: Disconnecting Lan Cable](#)

Operating Basics 2. Plug one end of the cable into the LAN jack. Press gently until you hear the latch click into place. JACK Figure 4-14 Connecting the LAN cable 3. Plug the other end of the cable into a LAN hub connector. Check with your LAN administrator before connecting to a hub.

[Page 98: Moving The Computer](#)

Operating Basics Never spray cleaner directly onto the computer or let liquid run into any part of it. Never use harsh or caustic chemical products to clean the computer. Moving the computer The computer is designed for rugged durability. However, a few simple precautions taken when moving the computer will help ensure trouble-free operation.

[Page 99: Chapter 5 The Keyboard](#)

Chapter 5 The Keyboard The computer's keyboard layout is compatible with a 104/105-key enhanced keyboard. Pressing FN key and other keys can execute all enhanced keyboard function. The number of keys on your keyboard depends on which country/region's keyboard layout your computer is configured with. Keyboards for numerous languages are available.

[Page 100: Function Keys: F1](#)

Soft keys: FN key combinations The FN (function) is unique to Toshiba computers and is used in combination with other keys to form soft keys. Soft keys are key combinations that enable, disable or configure specific features.

[Page 101: Hot Keys](#)

The Keyboard Press FN + F12 (Scroll Lock) to lock the cursor on a specific line. The power on default is off. Press FN + ENTER to simulate ENTER on the enhanced keyboard's numeric keypad. Press FN + CTRL to simulate the enhanced keyboard's right CTRL key.

[Page 102](#) The Keyboard Pressing FN + F4 switches the system to Hibernate hibernation mode. Pressing FN + F5 changes the active display Output device. Pressing FN + F6 decreases the computer's Brightness down display panel brightness in individual steps. Pressing FN + F7 increases the computer's Brightness up display panel brightness in individual steps.

[Page 103: Fn Sticky Key](#)

FN sticky key You can use the Toshiba Accessibility Utility to make the FN key sticky, that is, you can press it once, release it, and they press an "F number" key. To start the Toshiba Accessibility Utility, click Start → All Programs →...

[Page 104: Turning On The Overlays](#)

The Keyboard Turning on the overlays The numeric keypad overlay can be used for numeric data input or cursor and page control. Arrow mode To turn on the Arrow mode, press FN + F10. The Arrow mode indicator lights. Now try cursor and page control using the keys shown in figure 5-1. Press FN + F10 again to turn off the overlay.

[Page 105: Temporarily Using Overlay \(Overlay Off\)](#)

The Keyboard Temporarily using overlay (overlay off) While using the normal keyboard, you can temporarily use the keypad overlay without turning it on: 1. Press and hold down FN. 2. Check

the keyboard indicators. Pressing FN turns on the most recently used overlay.

[Page 106: Chapter 6 Power And Power-Up Modes](#)

Chapter 6 Power and Power-up Modes The computer's power resources include the AC adaptor and internal batteries. This chapter gives details on making the most effective use of these resources including charging and changing batteries, tips for saving battery power, and power-up modes. Power conditions The computer's operating capability and battery charge status are affected by the power conditions: whether an AC adaptor is connected, whether a...

[Page 107: Power Indicators](#)

- LED: Battery trigger point blinking orange DC IN off Battery charge is Computer goes into exhausted hibernation or shuts down (depending on the Toshiba power Management Utility Setting) No battery
- No operation installed
- LED: Battery off DC IN off...

[Page 108: Dc In Indicator](#)

Dispose of the battery as required by local ordinances or regulations. Use only batteries recommended by TOSHIBA as replacements. The battery recharges the RTC batteries. The battery maintains the state of the computer when you enable Resume.

[Page 109: Real Time Clock Battery](#)

<F2> to setup The computer's RTC battery is a lithium ion battery and should be replaced only by your dealer or by a TOSHIBA service representative. The battery can explode if not properly replaced, used, handled or disposed of. Dispose of the battery as required by local ordinances or regulations...

[Page 110: Care And Use Of The Battery Pack](#)

Power and Power-up Modes Care and use of the battery pack The battery pack is a vital component of portable computing. Taking proper care of it will help ensure longer operating time on battery power as well as a longer life for your battery pack. Follow the instructions in this section carefully to ensure safe operation and maximum performance.

[Page 111](#) Never use the computer again until it has been checked by a TOSHIBA service provider. It might generate smoke or fire, or the battery pack might rupture. 3. Make sure the battery is securely installed in the computer before attempting to charge the battery pack.

[Page 112: Charging The Batteries](#)

Power and Power-up Modes leak, battery pack performance might deteriorate and the battery life might be shortened. 6. Be sure to monitor the remaining battery power. If the battery pack and real time clock battery discharge completely. Sleep and hibernation will not function and data in memory will be lose.

[Page 113: Battery Charging Notice](#)

Power and Power-up Modes Use only the computer connected to an AC power source or the optional TOSHIBA Batteries charger to charge the battery pack. Never attempt to charge the battery pack with any other charger Time The following table shows the approximate time required to fully charge a discharged battery.

[Page 114: Monitoring Battery Capacity](#)

Power and Power-up Modes Leaving the AC adaptor connected will shorten battery life. At least once a month, run the computer on battery power until the battery is fully discharged, then recharged the battery. Monitoring battery capacity Remaining battery power can be monitored in Power Options. Wait at least 16 seconds after turning on the computer before trying to monitor the remaining operating time.

[Page 115: Retaining Data With Power Off](#)

Power and Power-up Modes Retaining data with power off When you turn off your computer with fully charged batteries, the batteries retain data for the following approximate time periods. Retention Time Battery type State and Retention Time Battery pack (3 cell) about 28 hours (sleep mode) about 15 days (shutdown mode) Battery pack (6 cell)

[Page 116: Replacing The Battery Pack](#)

Power and Power-up Modes Replacing the battery pack When the battery pack reaches the end of its operating life you will need to install a new one. If the Battery indicator flashes orange shortly after fully recharging the battery, the battery pack needs to be replaced. You might also replace a discharged battery pack with a charged spare when you are operating your computer away from an AC power source.

[Page 117: Installing The Battery Pack](#)

7. Pull the battery pack forward to remove it. For environmental reasons, do not throw away a spent battery pack. Please return spent battery pack to your TOSHIBA dealer. Installing the battery pack To install a battery pack, follow the steps below.

[Page 118: Starting The Computer By Password](#)

Power and Power-up Modes Starting the computer by password If you have already registered a password, please enter the password manually to start the computer: To start up the computer with the user password, follow these steps: 1. Turn on the power as described in Chapter 3, Getting Started.

[Page 119: System Auto Off](#)

Power and Power-up Modes System auto off This feature turns the system off automatically if it is not used for a set duration. The system shuts down in sleep mode or hibernation mode. User's Manual 6-14...

[Page 120: Chapter 7 Hw Setup And Passwords](#)

TOSHIBA HW Setup allows you to configure settings for General, Password, Display, CPU, Boot Priority, Keyboard, USB, LAN, and LED. If the supervisor password is set, access to the TOSHIBA HW Setup program can be prevented when the user password is used to log on to the computer.

[Page 121: User Password](#)

HW Setup and Passwords General This window displays the BIOS version and contains two buttons: Default and About. Default Returns all HW Setup values to the factory settings. About Displays the HW Setup version. Setup This field displays the installed BIOS version and date. Password User Password This option allows you to set or reset the user password for power on.

[Page 122: Power On Display](#)

HW Setup and Passwords 3. Click the OK button. If the character string you enter matches the registered password, the password option is reset and the display changes to: Not registered If they do not match, the following message appears. You must repeat step 1.

[Page 123: Boot Priority](#)

HW Setup and Passwords Boot Priority Boot Priority Options This option sets the priority for booting the computer. The Boot Priority Options setting will be like the following. You can override the settings and manually select a boot device by pressing one of the following keys while the computer is booting: Selects the USB diskette drive.

[Page 124: Legacy Usb Support](#)

HW Setup and Passwords ■ If a supervisor password is set, the menu above does not appear when you use the user password to start the computer. ■ The selection method above does not change the boot priority settings in HW Setup. ■...

[Page 125](#) HW Setup and Passwords Built-in LAN Enabled Enables built-in LAN functions. (Default) Disabled Disables built-in LAN functions. User's Manual...

[Page 126: Chapter 8 Optional Devices](#)

Chapter 8 Optional Devices Optional devices can expand the computer's capabilities and its versatility. The following optional devices are available from your TOSHIBA dealer: Cards/Memory ■ PC Card ■ ExpressCard ■ SD, SDHC, MS, MS Pro, MMC memory cards ■...

[Page 127: Pc Card/Expresscard](#)

Optional Devices PC Card/ExpressCard Installing a PC Card/ExpressCard The PC card/ExpressCard slot is located on the left side of the computer. You can install one PC card/ExpressCard in the slot. Windows' hot-install feature allows you to install PC card/ExpressCard while the computer's power is on. Do not install a PC card/ExpressCard while the computer is in sleep or hibernation mode.

[Page 128: Removing A Pc Card/Expresscard](#)

Optional Devices Removing a PC card/ExpressCard To remove the PC card/ExpressCard, follow the steps below. 1. In Windows Vista™, open the Safely Remove Hardware icon on the system tray and disable the PC card/ExpressCard. 2. Press Eject button slightly to make PC card/ExpressCard stretch out. 3.

[Page 129: Multiple Digital Media Card Slot](#)

Optional Devices Multiple digital media card slot The computer is equipped with a multiple digital media card slot that can accommodate Secure Digital (SD)/ Secure Digital High Capacity (SDHC)/ Memory Stick (MS)/Memory Stick Pro (MS Pro)/Multi Media Card (MMC) memory cards. These memory cards let you easily transfer data from devices, such as digital cameras and Personal Digital Assistants, that use SD/SDHC/MS/MS Pro/MMC memory cards.

[Page 130: Removing A Sd/Sdhc/Ms/Ms Pro/Mmc Card](#)

Optional Devices ■ Keep foreign objects out of the multiple digital media card slot. A pin or similar object can damage the computer's circuitry. ■ Make sure the SD/SDHC/MS/MS Pro/MMC card is oriented properly before you insert it. ■ Memory Stick Duo/PRO Duo and the Memory Stick adaptor are not compatible with the multiple digital media card slot.

[Page 131: Memory Expansion](#)

Optional Devices ■ Make sure the multiple digital media card slot indicator is out before you remove the card or turn off the computer's power. If you remove the card or turn off the power while the computer is accessing the card you may lose data or damage the card.

[Page 132](#) Optional Devices Figure 8-5 Removing the cover 6. Insert the memory module into the connector on the computer. Press the module carefully and firmly to ensure a solid connection. 7. Push the module down so that it lies flat and is secured by two latches.

[Page 133: Removing Memory Module](#)

Optional Devices Figure 8-7 Pushing the memory module down 8. Seat the cover and secure it with one screw. 9. When you turn the computer on, it should automatically recognize the total memory capacity. Use the HW Setup program to verify that the added memory is recognized.

[Page 134: Additional Battery Pack \(3 Cell, 6 Cell And 9 Cell\)](#)

Optional Devices Figure 8-8 Removing the memory module 7. Seat the cover and secure it with one screw. Additional battery pack (3 cell, 6 Cell and 9 Cell) You can increase the portability of the computer with additional battery packs (3 Cell: PA3533U-1BRS/PA3533U-1BAS), 6 Cell: PA3534U-1BRS/PA3534U-1BAS, 9 Cell: PA3535U-1BRS/PA3535U-1BAS).

[Page 135: Hdmi](#)

Optional Devices When you turn on the power, the computer automatically recognizes the monitor and determines whether it is color or monochrome. You can use the HW Setup to select between Auto-Selected and LCD+Analog RGB displays. Refer to Chapter 7, HW Setup and Passwords.

[Page 136: Setting For Display Video On Hdmi](#)

Optional Devices Setting for display video on HDMI To view video on the HDMI device, be sure to configure the following settings otherwise you may find that nothing is displayed. ■ Be Sure to use the FN + F5 hot keys to select the display device before starting to play video.

[Page 137](#) Optional Devices Attach one end of a cable to the desk and the other end to the security lock slot on the right side of the computer. ECURITY LOCK Figure 8-10 Security lock User's Manual 8-12...

[Page 138: Chapter 9 Troubleshooting](#)

Chapter 9 Troubleshooting TOSHIBA designed the computer for durability. However, should problems occur, following the procedures in this chapter can help to determine the cause. All readers should become familiar with this chapter. Knowing what might go wrong can help prevent problems from occurring.

[Page 139: Preliminary Checklist](#)

Troubleshooting Preliminary checklist Consider the simplest solution first. The items in this checklist are easy to fix and yet can cause what appears to be a serious problem. ■ Make sure you turn on all peripheral devices before you turn on the computer.

[Page 140: Hardware And System Checklist](#)

When the computer does not start properly, check the following items: ■ Self Test ■ Power Sources ■ Power-on Password Self test When the computer starts up, the self-test will be run automatically, and the following will be displayed: TOSHIBA Leading Innovation>>> User's Manual...

[Page 141: Power](#)

Troubleshooting This message remains on the screen for a few seconds. If the self test is successful, the computer tries to load the operating system. Depending on how the Boot Priority is set in the Hardware Setup, the computer tries to load first from drive A then from drive C, or first from drive C then from drive A.

[Page 142](#) Troubleshooting Battery If you suspect a problem with the battery, check the DC IN indicator as well as the battery indicator. For information on indicators and battery operation see Chapter 6, Power and Power-up Modes Problem Procedure Battery doesn't power The battery may be discharged - connect the AC the computer adaptor to recharge the battery.

[Page 143: Password](#)

Troubleshooting Password Problem Procedure Cannot enter password Refer to the Password section in Chapter 7, Setup and Passwords Keyboard Keyboard problems can be caused by your setup configuration. For more information refer to Chapter 5, The Keyboard and Chapter 7, HW Setup Passwords.

[Page 144: Hard Disk Drive](#)

Troubleshooting Hard disk drive Problem Procedure Computer does not Check if a diskette is in the diskette drive or a boot from hard disk CD/DVD is in the optical disc drive. Remove any drive diskette and/or CD/DVD and check Boot priority. Refer to Chapter 7, Boot Priority section.

[Page 145: Diskette Drive](#)

If you have trouble writing, make sure you are Cannot write correctly observing the following precautions: ■ Use only media recommended by TOSHIBA ■ Do not use the mouse or keyboard during writing. ■ Use only the software supplied with the computer for recording.

[Page 146](#) Troubleshooting Touchpad Problem Procedure On-screen pointer does The system might be busy. If the pointer is not respond to Pad shaped as an hourglass, wait for it to resume its operation normal shape and try again to move it. Double-tapping does Try changing the double-click speed setting in the not work mouse control utility.

[Page 147: Pc Card/Expresscard](#)

Troubleshooting USB mouse This section applies only with Windows Vista™ operating systems. Problem Procedure On-screen pointer does The system might be busy. If the pointer is not respond to mouse shaped as an hourglass, wait for it to resume its operation normal shape and try again to move it.

[Page 148: Sd/Sdhc/Ms/Ms Pro/Mmc Card](#)

Troubleshooting SD/SDHC/MS/MS Pro/MMC card Refer also to Chapter 8, Optional Devices Problem Procedure Memory card error Reseat the memory card to make sure it is firmly occurs connected. Check the card's documentation. You cannot write to the Make sure the card is not write protected. memory card You cannot read a file Make sure the target file is on the memory

card...

[Page 149: Usb](#)

Troubleshooting Problem Procedure Check Windows Device Manager. Make sure the sound function is enabled and that settings for I/O address, Interrupt level and DMA are correct for your software and do not conflict with other hardware devices that you may have connected to the computer.

[Page 150: Sleep/Hibernation](#)

Troubleshooting Problem Procedure After making a call you Make sure the tone or pulse selection in your can't hear a ring communications application is set correctly. You can also use the ATD command. Refer to the chapter on AT commands in online help files for Appendix C, Command.

[Page 151: Lan](#)

Recovery Media" section in this manual. You will be directed to select "Restore Original Factory Image" from the drop-down menu. If you have not created "Recovery Media", please contact TOSHIBA support for assistance. User's Manual 9-14...

[Page 152: Toshiba Support](#)

Troubleshooting TOSHIBA support If you require any additional help using your computer or if you are having problems operating the computer, you may need to contact TOSHIBA for additional technical assistance. Before you call Some problems you experience may be related to software or the operating system so it is important that you investigate other sources of assistance first.

[Page 153: Where To Write](#)

Troubleshooting Where to write If you are still unable to solve the problem and suspect that it is hardware related, write to TOSHIBA at the nearest location listed on the below. Outside of Europe Europe Australia Germany & Austria TOSHIBA Australia Pty. Ltd.

[Page 154: Chapter 10 Disclaimers](#)

5°C to 30°C (41°F to 86°F) or > 25°C (77°F) at high altitude (all temperature references are approximate and may vary depending on the specific computer model-please refer to your PC documentation or visit the Toshiba website at www.pcsupport.toshiba.com for details).

[Page 155: Memory \(Main System\)](#)

For optimum performance, use your computer product only under recommended conditions. Read additional restrictions in your product documentation. Contact Toshiba technical service and support, refer to TOSHIBA support section in chapter 9, Troubleshooting for more information.

[Page 156: Battery Life](#)

This is a normal phenomenon for all batteries. To purchase a new battery pack, see the accessories information that is shipped with your computer, or visit the Toshiba web site at www.pcsupport.toshiba.com. HDD drive capacity 1 Gigabyte (GB) means 10 = 1,000,000,000 bytes using powers of 10.

[Page 157: Copy Protection](#)

Disclaimers Wireless LAN The transmission speed over the wireless LAN and the distance over which wireless LAN can reach may vary depending on surrounding electromagnetic environment, obstacles, access point design and configuration, and client design and software/hardware configurations. The actual transmission speed will be lower than the theoretical maximum speed.

[Page 158](#) Appendixes Table of Contents Specifications.....A-1 Appendix A Display Controller..... B-1 Appendix B V.90/V.92.....C-1 Appendix C Wireless LAN..... D-1 Appendix D AC Power Cord and Connectors.....E-1 Appendix E User's Manual Appendixes-1...

[Page 159: Appendix A Specifications](#)

Appendix A Specifications This appendix summarizes the computer's technical specifications. Environmental requirements Operating Non-operating Ambient temperature 5°C to 35°C -20°C to 60°C Relative humidity 20% to 80% 10% to 90% Altitude (from sea level) 0 to 3,000 meters 0 to 10,000 meters Power requirements AC adaptor 100-240 volts AC...

[Page 160](#) Specifications Built-in modem The ability of this feature is depending on the model you purchased. Network control unit (NCU) Type of NCU Type of line Telephone line (analog only) Type of dialing Pulse Tone Control command AT commands EIA-578 commands Monitor function Computer's speaker Communication specifications...

[Page 161: Appendix B Display Controller](#)

Appendix B Display Controller Display controller The display controller interprets software commands into hardware commands that turn particular pixels on or off. The controller is an advanced Video Graphics Array (VGA) that provides Super VGA (SVGA) and Extended Graphics Array (XGA) support for the internal LCD and external monitors.

[Page 162](#) Appendix C V.90/V.92 The TOSHIBA internal modem uses V.90 technology. The modem is capable of downstream speeds of 56Kbps (kilobits per second) when connected to an Internet service provider that supports V.90/V.92. As with any modem, the actual throughput (speed of data transfer) depends on analog telephone line conditions, which can vary considerably.

[Page 163](#) V.90/V.92 Table Result codes for a V.90 connection

Result code	Description
CONNECT 32000 EC*	Connection at 32000 bits/s
CONNECT 36000 EC*	Connection at 36000 bits/s
CONNECT 40000 EC*	Connection at 40000 bits/s
CONNECT 44000 EC*	Connection at 44000 bits/s
CONNECT 48000 EC*	Connection at 48000 bits/s
CONNECT 52000 EC*	Connection at 52000 bits/s...

[Page 164](#) V.90/V.92 V42bis V.42 error control and V.42bis data compression V.42 error control only NoEC No error control protocol AT Command -V90=* V.90 Dial Line Rate -V90 sets the maximum V.90 downstream that the modem attempts to connect -V90=0 V.90 disabled - V90=1 V.90 enabled: automatic speed selection - maximum modem speed(default)

[Page 165: Appendix D Wireless Lan](#)

Appendix D Wireless LAN This appendix is intended to help you get your Wireless LAN network up and running, with a minimum of parameters. Card specifications ■ Mini Card Form Factor ■ IEEE 802.11 Standard for Wireless LANs Compatibility ■ Wi-Fi (Wireless Fidelity) certified by the Wi-Fi Alliance.

[Page 166](#) Subject to the radio regulations that apply in your country/region, your Wireless LAN card may support a different set of 5 GHz/2.4 GHz channels. Consult your Authorized Wireless LAN or TOSHIBA Sales office for information about the radio regulations that apply in your country/region.

[Page 167](#) Wireless LAN When installing Wireless LAN cards, the channel configuration is managed as follows: ■ For wireless clients that operate in a Wireless LAN infrastructure, the Wireless LAN card will automatically start operation at the channel identified by the Wireless LAN Access Point. When roaming between different access points the station can dynamically switch to another channel if required.

[Page 168](#) Wireless LAN countries/regions that in which these channels can be used. These channels are available to A/B/G combo type only. Available Area: US (USA, CANADA) only. User's Manual...

[Page 169: Appendix Eac Power Cord And Connectors](#)

Appendix E AC Power Cord and Connectors The AC input plug of power cord must be compatible with various international AC power outlets. Power cords need to meet the local standards and the specifications listed as below: Length: Minimum 1.7 meters Wire size: Minimum 0.75 mm Current rating:...

[Page 170](#) AC Power Cord and Connectors In Europe, two conductors power cords must be VDE type, H05VVH2-F or H03VVH2-F; while three conductors be VDE type, H05VV-F. For the

United States and Canada, two pin plug configuration must be 2-15P (250V) or 1-15P (125V); while three pin be 6-15P (250V) or 5-15P (125V) as designated in the U.S.

[Page 171](#) Glossary The terms in this glossary cover topics related to this manual. Alternate naming is included for reference. Abbreviations AC: alternating current AGP: accelerated graphics port ANSI: American National Standards Institute APM: advanced power manager ASCII: American Standard Code for Information Interchange BIOS: basic input output system CD-ROM: Compact Disc Read Only Memory CD-RW: Compact Disc ReWritable...

[Page 172](#) Glossary I/O: input/output IrDA: Infrared Data Association IRQ: interrupt request KB: kilobyte LCD: liquid crystal display LED: light emitting diode LSI: large scale integration MB: megabyte OCR: optical character recognition (reader) PCB: printed circuit board PCI: peripheral component interconnect RAM: random access memory RGB: red, green, and blue ROM: read only memory RTC: real time clock...

[Page 173](#) Glossary ANSI: American National Standards Institute. An organization established to adopt and define standards for a variety of technical disciplines. For example, ANSI defined the ASCII standard and other information processing requirements. antistatic: A material used to prevent the buildup of static electricity. application: A group of programs that together are used for a specific task such as accounting, financial planning, spreadsheets, word processing and games.

[Page 174](#) Glossary cache memory: High speed memory which stores data that increases processor speed and data transfer rate. When the CPU reads data from main memory, it stores a copy of this data in cache memory. The next time the CPU needs that same data, it looks for it in the cache memory rather than the main memory, which saves time.

[Page 175](#) Glossary Composite Video (YUV): A standard video signal used to transmit images, e.g. from a VCR to a TV. computer program: A set of instructions written for a computer that enable it to achieve a desired result. computer system: A combination of hardware, software, firmware, and peripheral components assembled to process data into useful information.

[Page 176](#) Glossary Digital Audio: An audio compression standard that enables high-quality transmission and real-time playback of sound files. disk drive: The device that randomly accesses information on a disk and copies it to the computer's memory. It also writes data from memory to the disk.

[Page 177](#) (FDD): An electromechanical device that reads and writes to floppy diskettes. Fn-esse: A TOSHIBA utility that lets you assign functions to hot keys. folder: An icon in Windows used to store documents or other folders. format: The process of readying a blank disk for its first use. Formatting establishes the structure of the disk that the operating system expects before it writes files or programs onto the disk.

[Page 178](#) FN, can be used to set system parameters, such as speaker volume. HW Setup: A TOSHIBA utility that lets you set the parameters for various hardware components. icon: A small graphic image displayed on the screen or in the indicator panel.

[Page 179](#) Glossary K: Taken from the Greek word kilo, meaning 1000; often used as equivalent to 1024, or 2 raised to the 10th power. See also byte and kilobyte. KB: See kilobyte. keyboard: An input device containing switches that are activated by manually pressing marked keys.

[Page 180](#) Glossary monitor: A device that uses rows and columns of pixels to display alphanumeric characters or graphic images. See also CRT. motherboard: A name sometimes used to refer to the main printed circuit board in processing equipment. It usually contains integrated circuits that perform the processor's basic functions and provides connectors for adding other boards that perform special functions.

[Page 181](#) The electrical connection through which the computer sends and receives data to and from devices or other computers. Power Saver Utility: A TOSHIBA utility that lets you set the parameters for various power-saving functions. printed circuit board (PCB): A hardware component of a processor to which integrated circuits and other components are attached.

[Page 182](#) Glossary ROM: Read Only Memory: A nonvolatile memory chip manufactured to contain information that controls the computer's basic operation. You cannot access or change

information stored in ROM. S-Video: Short for Super-Video, a type of connection used by S-VHS videocassette players, camcorders, DVD players, etc. to transmit high-quality video signals.

[Page 183](#) TFT display: A liquid crystal display (LCD) made from an array of liquid crystal cells using active-matrix technology with thin film transistor (TFT) to drive each cell. touchpad: A pointing device integrated into the TOSHIBA computer palm rest. TTL: Transistor-transistor logic. A logic circuit design that uses switching transistors for gates and storage.

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