

TOSHIBA

Toshiba PSPCDC-03H00C User Manual

User manual

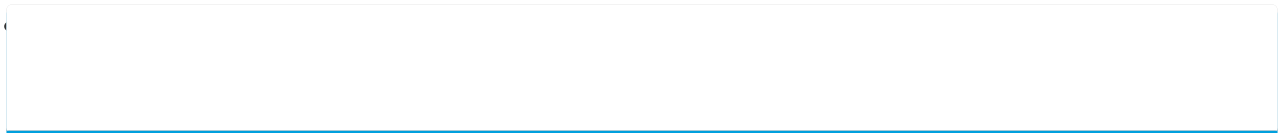
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
Table Of Contents
16
17

18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67

68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117

118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167

168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185



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[Table of Contents](#)

-

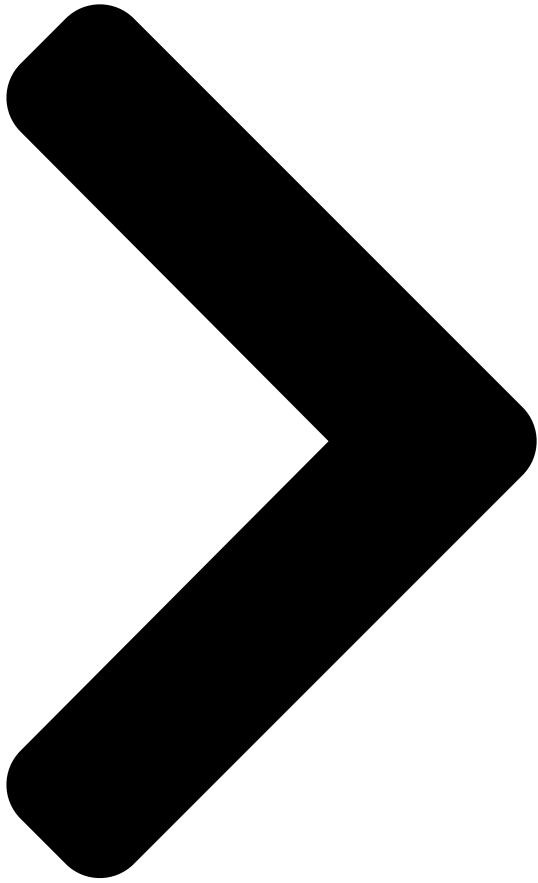
Troubleshooting

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User's Manual

P300/P300D Series

computers.toshiba-europe.com

Table of Contents

[Next Page](#)

1
2
3
4
5

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[Laptop Toshiba P300 User Manual](#)

Notebook computer (199 pages)

[Laptop Toshiba P15-S4091 User Manual](#)

P15-s4091 user's guide (240 pages)

[Laptop Toshiba P25-S477 User Manual](#)

P25-s477 user's guide (232 pages)

[Laptop Toshiba P25-S509 User Manual](#)

P25-s509 user's guide (230 pages)

[Laptop Toshiba P30-S6362ST User Manual](#)

P30-s6362st user's guide (230 pages)

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P205-s6277 user's guide (242 pages)

[Laptop Toshiba P300-ST3014 User Manual](#)

P300-st3014 user's guide (231 pages)

[Laptop Toshiba P500-ST5801 User Manual](#)

P500-st5801 user's guide (254 pages)

[Laptop Toshiba Satellite P30-132 User Manual](#)

Toshiba satellite p30-132: user guide (165 pages)

[Laptop Toshiba Satellite P20-8PW User Manual](#)

Toshiba satellite p20-8pw: user guide (142 pages)

[Laptop Toshiba PSPA3C-SD402E User Manual](#)

User manual (172 pages)

[Laptop Toshiba PSPB0U-00W008 User Manual](#)

User manual (175 pages)

[Laptop Toshiba Satellite P500-BT2G22 Resource Manual](#)

Toshiba satellite p500-bt2g22: reference guide (60 pages)

Summary of Contents for Toshiba PSPCDC-03H00C

[Page 1](#) User's Manual P300/P300D Series computers.toshiba-europe.com...

[Page 2](#) P300/P300D Series Copyright © 2008 by TOSHIBA Corporation. All rights reserved. Under the copyright laws, this manual cannot be reproduced in any form without the prior written permission of TOSHIBA. No patent liability is assumed, with respect to the use of the information contained herein.

[Page 3: When Using Your Computer](#)

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MovieFactory is a trademarks of Ulead Systems Inc. BizCard is a trademark of NewSoft Technology Corporation.

[Page 4](#) This product and the supplied accessories are designed to observe the required EMC (Electromagnetic Compatibility) standards. However, Toshiba cannot guarantee that this product still observes these EMC standards if accessories or cables not manufactured/distributed by Toshiba are connected or implemented. To avoid in general EMC problems, the following advice should be observed: ■...

[Page 5: Working Environment](#)

Any consequences resulting from the use of this product in working environments that are not approved or the use is restricted are not the responsibility of Toshiba Corporation. The consequences of the use of this product in those working environments may be: ■...

[Page 6](#) For more detailed information about the collection and recycling programmes available in your country, please visit our website (<http://eu.computers.toshiba-europe.com>) or contact your local city office or the shop where you purchased the product. Disposal of batteries and/or accumulator...

[Page 7](#) Your computer model may be ENERGY STAR Compliant. If the model ® you purchased is compliant, it is labeled with the 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 ®...

[Page 8: Optical Disc Drive Safety Instructions](#)

P300/P300D Series Optical disc drive safety instructions Be sure to check the international precautions at the end of this section. Hitach-LG Data Storage DVD Super Multi GSA-T50F/GSA-T50N ■ The DVD Super Multi drive employs a laser system. To ensure proper use of this product, please read this instruction manual carefully and retain for future reference.

[Page 9](#) P300/P300D Series Panasonic DVD Super Multi UJ870EB/UK870AB ■ The DVD Super Multi drive employs a laser system. To ensure proper use of this product, please read this instruction manual carefully and retain for future reference. Should the unit ever require maintenance, contact an authorized service location.

[Page 10](#) P300/P300D Series Pioneer DVD Super Multi DVR-KD08TBF/DVR-KD08TBM ■ The DVD Super Multi drive employs a laser system. To ensure proper use of this product, please read this instruction manual carefully and retain for future reference. Should the unit ever require maintenance, contact an authorized service location.

[Page 11](#) P300/P300D Series TOSHIBA SAMSUNG STORAGE TECHNOLOGY DVD Super Multi TS-L633P/TS-L633A ■ This DVD writable drive employ a laser system to ensure proper use of this product, please read this instruction manual carefully and retainfor future reference. should the unit ever require maintenance, contact an authorized service location-see service procedure.

[Page 12](#) P300/P300D Series 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 13: 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 xiii...

[Page 14: General Precautions](#)

P300/P300D Series 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 15: Instruction Manual For Safety And Comfort](#)

P300/P300D Series Heat injury ■ Avoid prolonged physical contact with the computer. If the computer is used for long periods, its surface can become very warm. While the temperature will not feel hot to the touch, if you maintain physical contact with the computer for a long time, for example if you rest the computer on your lap or if you keep your hands on the palm rest, your skin might suffer a low-heat injury.

[Page 16: Table Of Contents](#)

Special features 1-10 TOSHIBA Value Added Package1-11 Utilities and Applications.

[Page 17](#) TOSHIBA Disc Creator4-23...

[Page 18](#) TOSHIBA support

[Page 19: Manual Contents](#)

P300/P300D Series Preface Congratulations on your purchase of the P300/P300D Series computer. This powerful notebook computer provides excellent expansion capability, including multimedia devices, and it is designed to provide years of reliable, high-performance computing. This manual tells you how to set up and begin using your P300/P300D Series computer.

[Page 20](#) P300/P300D Series Chapter 5, Keyboard, describes special keyboard functions including 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 explains how to configure the computer using the HW Setup program.

[Page 21](#) P300/P300D Series 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 type face you see to the left. Display Names of windows or icons or text generated by the computer that appears on its display screen is presented in the type face you see to the left.

[Page 22: Introduction](#)

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

[Page 23: Features](#)

Introduction ■ TOSHIBA FingerPrint Utility * ■ TOSHIBA SD Memory Utilities ■ TOSHIBA Disc Creator ■ TOSHIBA Face Recognition* ■ TOSHIBA Acoustic Silencer ® ■ Ulead MovieFactory for TOSHIBA* ■ Presto! BizCard 5* ■ Online Manual Other software may be preinstalled dependant on the model purchased.

[Page 24](#) Introduction Memory Slots PC2-5300 or PC2-6400 512 MB, 1024 MB, 2048 MB or 4096 MB memory modules can be installed in the two memory slots. Maximum system memory size and speed are depending on the model you purchased. Main Memory Part of the main system memory may be used by Disclaimer the graphics system for graphics performance...

[Page 25](#) Introduction Video RAM Depending on the model you purchased. ® Intel GMA HD4500 model: Video RAM capacity shares with main memory, and the proportion depends on Dynamic Video Memory Technology. ATI Radeon™ HD 3200 Graphics model: ATI Radeon™ 3100 Graphics model: Video RAM capacity shares with main memory, and the proportion depends on ATI HyperMemory™ .

[Page 26](#) Introduction Disks Hard disk Disclaimer 1 Gigabyte (GB) means 10⁹ = 1,000,000,000 bytes using powers of 10. The computer operating system, however, reports storage capacity using powers of 2 for the definition of 1 GB = 2³⁰ 1,073,741,824 bytes, and therefore shows less storage capacity.

[Page 27](#) Introduction DVD Super Multi drive Some models are equipped with a full-size DVD Super Multi drive module that lets you record data to rewritable CD/DVDs as well as run either 12cm (4.72") or 8cm (3.15") CD/DVDs without using an adaptor. It reads DVD-ROM's at

maximum 8 speed and CD-ROM's at maximum 24 speed.

[Page 28: Pointing Device](#)

Appendix B, Display Controller for more information. Keyboard Built-In TOSHIBA Vista keyboard, 104 keys or 105 keys with numeric keypad, compatible with IBM enhanced keyboard, dedicated cursor control, keys. Refer to Chapter 5, Keyboard, for details. Pointing Device Built-In TouchPad...

[Page 29](#) Introduction Slots ExpressCard The ExpressCard expansion slot that can accommodate two standard module formats; an ExpressCard/34 module and an ExpressCard/54 module. An ExpressCard module is a small add-in card technology based on the PCI Express and Universal Serial Bus (USB) interfaces. Multiple Digital Media Supports SD/SDHC memory card, MMC, Card Slot...

[Page 30](#) Introduction Wireless LAN Where present, it supports the A,B,G and draft N standards but it is compatible with other LAN systems based on Direct Sequence Spread Spectrum/Orthogonal Frequency Division Multiplexing radio technology that complies with the IEEE 802.11 Standard. ■ Automatic Transmit Rate Select mechanism in the transmit range of 54, 48, 36, 24, 18, 12, 9 and 6 Mbit/s.

[Page 31: Special Features](#)

Introduction Special features The following features are either unique to TOSHIBA computers or are advanced features, which make the computer more convenient to use. Hot Keys Key combinations let you quickly modify the system configuration directly from the keyboard without running a system configuration program.

[Page 32: Toshiba Value Added Package](#)

*1 Click , Control Panel, System and Maintenance, and then click Power Options. TOSHIBA Value Added Package This section describes the TOSHIBA Component features pre-installed on the computer. TOSHIBA Power Saver provides you with the Saver features of more various power supply managements.

[Page 33: Utilities And Applications](#)

The TOSHIBA Accessibility utility provides Accessibility support to movement impaired users when they need to use the TOSHIBA Hot-key functions. In use, the utility allows you to make the Fn key 'sticky', that is you can press it once, release it, and then press one of the "F"...

[Page 34](#) TOSHIBA DVD-RAM Utility has a Physical Utility Format function and Write-Protect function to DVD-RAM. This utility is contained in the TOSHIBA Disc Creator setup module. To run TOSHIBA DVD-RAM Utility, click select All Programs, TOSHIBA, CD&DVD Applications, and then click DVD-RAM Utility.

[Page 35](#) Introduction 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. To run ConfigFree, click...

[Page 36: Options](#)

* The availability of DDRII depends on the model you purchased. Battery pack An additional battery pack can be purchased from your TOSHIBA dealer. Use it as a spare to increase your computer operating time. AC Adaptor If you use your computer at more than one site...

[Page 37: Chapter 2 The Grand Tour](#)

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 The following figure shows the computer's front with its display panel in the closed position.

[Page 38](#) The Grand Tour Power LED The Power indicator glows blue when the computer is on. If you select Sleep Mode from Turn Off Computer, this indicator flashes orange (one second on, two seconds off) while the computer enters Sleep Mode. Battery LED The Battery indicator

shows the condition of the battery's charge: Blue indicates a full charge,...

[Page 39: Left Side](#)

The Grand Tour Left side The following figure shows the computer's left side. External Monitor Cooling Vents eSATA/USB Universal Serial Express Port combo port Bus (USB 2.0) Card Slot TV Out HDMI i.LINK Port port Jack (IEEE 1394a) Port The left side of the computer External Monitor Port This 15-pin port lets you connect an external video display.

[Page 40: Right Side](#)

The Grand Tour LAN Jack This jack lets you connect to a LAN. The adaptor has built-in support for Fast Ethernet LAN or Giga bit Ethernet.(Depend on the model you purchased). Refer to Chapter 4, Operating Basics, for details. i.LINK (IEEE1394a) This port allows you to connect an external Port device, such as a digital video camera, for...

[Page 41: Backside](#)

The Grand Tour FM Antenna Jack A jack enables the connection of FM antenna. (Depends on the model you purchased.) Emergency Eject Hole In the event that the disc drive becomes inexplicably locked or stops responding press this button to force a manual ejection of the ODD tray. DC IN 19V Jack The AC adaptor connects to this socket.

[Page 42: Underside](#)

The Grand Tour Underside The following figure shows the underside of the computer. Make sure the display is closed before turning over your computer. Cooling Memory Module Hard Disk Vents and Wireless Cover LAN Cover Battery Release Latch Battery Pack Battery Pack Lock The underside of the computer...

[Page 43: Front With The Display Open](#)

The Grand Tour Front with the display open This section shows the front of the computer with the display open. Refer to the appropriate illustration for details. To open the display, lift the front of the display. Position the display at a comfortable viewing angle. Web Camera Built-in LED*...

[Page 44](#) Pressing this button will launch an application program that allows for playing of CDs or DVDs. The application that is launched differs by model: Windows Media Player/TOSHIBA DVD PLAYER. Play/Pause Button Press this button to begin playing an audio CD, a DVD movie or digital audio file.

[Page 45: Optical Disc Drive](#)

The Grand Tour Optical Disc Drive An ATAPI interface controller is used for optical disc operation. When the computer is accessing an optical disc, an indicator on the drive glows. Region codes for DVD drive and media Optical disc drive and their associated media are manufactured according to the specifications of six marketing regions.

[Page 46: Ac Adaptor](#)

The Grand Tour DVD Super Multi drive The full-size DVD Super Multi drive module lets you record data to writable CD/DVDs 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 centre of a disc and faster at the outer edge.

[Page 47](#) Use only the AC adaptor that came with the computer or an equivalent optional adaptor. Use of the wrong adaptor could damage your computer. TOSHIBA assumes no liability for any damage in such case. ■ Use only the AC Adaptor supplied with your computer or an equivalent adaptor that is compatible.

[Page 48: Remote Controller \(Provided With Some Models\)](#)

The Grand Tour Remote controller (Provided with some models) A remote controller, which is provided with some models, enables you to perform some functions of your computer from a distant location. You can use your remote controller with Media Center to play CDs, DVDs and videos, to view pictures.

[Page 49](#) The Grand Tour Power Starts or terminate the operating system.This button

functions like the power button of your computer. By default, the Sleep mode is equivalent to the power off state of your computer. To change the setting, click Start Control panel System and Maintenance...

[Page 50: Using The Remote Controller](#)

The Grand Tour Replay Moves media backward (seven seconds for videos, one music track or one DVD chapter at a time). Stop Stops the media currently playing. Skip Moves media forward (30 seconds for videos, one music track or one DVD chapter). Using the remote controller Some computers include a remote control unit, which allows you to control some of your computer's functions from a distant location.

[Page 51](#) The Grand Tour 30 Degrees 15 Degrees (Vertically) Infrared Receiver 30 Degrees Window Remote Controller Operational range of the remote controller Even if within the effective scope as described above, the remote controller may malfunction or not work correctly in the following cases. ■...

[Page 52](#) The Grand Tour Installing/Removing batteries Be sure to install the provided CR2016 type batteries before using the remote controller. The procedures for installing and removing the batteries vary depending on the type of the remote controller. Check the type and then install or remove the batteries as instructed.

[Page 53: Type Of Battery That Can Be Used For The Remote Controller](#)

The Grand Tour Type of battery that can be used for the remote controller When the provided batteries run down, please replace them with adequate ones. CR2016 type battery is available. Other types or battery should not be used. Installing the batteries 1.

[Page 54: Placing Slim Size Remote Controller](#)

The Grand Tour Slim size remote controller 1. Open the battery cover on the back side of the remote controller. 2. Hold down the stopper and slide the battery out of battery case. Stopper Battery Removing the batteries 3. Insert the battery in place. Be sure to place the batteries with correct polarities.

[Page 55: Chapter 3 Getting Started](#)

Dispose of the battery as required by local ordinances or regulations. Use only batteries recommended by TOSHIBA as replacements. ■ Do not touch the latch while holding the computer. Or you may get injured by the dropped battery by unintentional release of the latch.

[Page 56: Connecting The Ac Adaptor](#)

Getting Started 4. Secure the Battery Pack Lock to ensure the battery is locked into place. Later, when you want to remove the battery you must disengage this lock first. Battery Battery Pack Release Lock Latch Securing the battery pack Refer to Removing the battery pack section in Chapter 6,...

[Page 57](#) Use only the AC adaptor supplied with your computer or an equivalent adaptor that is compatible. Use of any incompatible adaptor could damage your computer. TOSHIBA assumes no liability for any damage caused by use of an incompatible adaptor. ■...

[Page 58: Opening The Display](#)

Getting Started Opening the display The display panel can be rotated in a wide range of angles for optimal viewing. 1. Lift the panel up and adjust it to the best viewing angle for you. Use reasonable care when opening and closing the display panel. Opening it vigorously or slamming it shut could damage the computer.

[Page 59: Windows Vista™ Setup](#)

Getting Started Turning on the power Windows Vista™ setup 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. Windows End User License Agreement Be sure to read the display carefully.

[Page 60: Sleep Mode](#)

Getting Started Do not turn the computer or devices back on immediately. Wait a moment to let

all capacitors fully discharge. Sleep Mode If you have to interrupt your work, you can turn off the power without exiting from your software. Data is maintained in the computer's main memory. When you turn on the power again, you can continue working right where you left off.

[Page 61: Hibernation Mode](#)

Getting Started ■ Click , click power button located in the power management buttons , or click arrow button and select Sleep from the menu. ■ Close the display panel. This feature must be enabled. Please refer to the Power Options (to access it, click Control Panel System and Maintenance...

[Page 62: Restarting The Computer](#)

Getting Started ■ You can use the panel power off feature. Starting Hibernation Mode You can also enable Hibernation Mode by pressing Fn + F4. Refer to Chapter 5, Keyboard, for details. To enter Hibernation Mode, follow the steps below. 1.

[Page 63: System Recovery Options And Restoring The Pre-Installed Software](#)

The procedure is as follows. Follow the instructions shown on the on- screen menu. 1. Turn off the computer. 2. Turn on the computer and when the TOSHIBA screen appears repeatedly press the F8 key. 3. The Advanced Boot Options menu will be displayed.

[Page 64](#) Getting Started Creating Optical Recovery Discs This section describes how to create Recovery Discs. ■ Be sure to connect the AC adaptor when you create Recovery Discs. ■ Be sure to close all other software programs except the Recovery Disc Creator.

[Page 65](#) 2. While holding down F12 key on the keyboard, turn on your computer - when the TOSHIBA logo screen appears, release the F12 key. 3. Use the cursors key to select the CD-ROM icon from the menu. Please...

[Page 66](#) When you reinstall the Windows operating system, the hard disk will be reformatted and all data will be lost. 1. Turn off the computer. 2. Turn on the computer and when the TOSHIBA screen appears repeatedly press the F8 key. 3. The Advanced Boot Options menu will be displayed.

[Page 67: Chapter 4 Operating Basics](#)

Operating Basics Chapter 4 Operating Basics This chapter gives information on basic operations including using the TouchPad, optical media drives, sound system, modem, the wireless LAN and LAN. It also provides tips on caring for your computer. 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 68: Using The Fingerprint Sensor \(Fingerprint Sensor Is Provided With Some Models\)](#)

Operating Basics Do not press on the TouchPad too hard or press a sharp object such as a ball point pen against the TouchPad. The TouchPad could be damaged. For some functions, you can tap the TouchPad instead of pressing a control button.

[Page 69](#) Operating Basics Slide the finger over the recognition sensor ■ Avoid swiping with the finger stiff or pressed-on too hard: Fingerprint reading may fail if the center of the fingerprint is not touching on the sensor, or when finger is swiped while pressing hard. Make sure that the center of the fingerprint is touching the sensor before swiping.

[Page 70](#) Operating Basics ■ Wash and dry your hands thoroughly. ■ Remove static electricity from your fingers by touching any metal surface. Static electricity is a common cause of sensor failures, especially when the weather is dry. ■ Clean the sensor with a lint-free cloth. Do not use detergent to clean the sensor.

[Page 71: Fingerprint Sensor Limitations](#)

Toshiba does not guarantee that the fingerprint sensor 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 72: Windows Logon Via Fingerprint Authentication](#)

Operating Basics 3. The Control Center screen is displayed. Click the non-enrolled finger icon above the finger. 4. The Fingerprint Enrollment screen is displayed. Confirm the message and click Next. 5. The Scanning Practice screen is displayed. You can practice swiping your finger.

[Page 73: Fingerprint System Boot Authentication](#)

■ It is necessary to register the User Password before using the fingerprint Pre-OS feature and its extended function, the fingerprint Single Sign-On feature. Please use TOSHIBA HW Setup to register the User Password. ■ If you fail fingerprint authentication more than five times, you must enter the User Password or Supervisor Password manually to start the computer.

[Page 74: Usb Sleep And Charge Function](#)

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 75](#) Operating Basics You can use the "USB Sleep and Charge function" to charge certain USB-compatible external devices such as mobile phones or portable digital music players. However, the "USB Sleep and Charge function" may not work with certain external devices even if they are compliant with the USB specification. In those cases, turn the power of the computer ON to charge the device.

[Page 76: Using The Web Camera](#)

Operating Basics Using the Web Camera This section describes the bundled webcam utility, which can capture still and video images. The web camera will auto-run when Windows starts. Please unstick the protective plastic-film before using the Web Camera. Built-in microphone * Web Camera LED * Web Camera Lens ** Provided with some models...

[Page 77: Using The Microphone](#)

Operating Basics Capture Still Images Click to see a preview of the captured image; you can also e-mail the image. Video Recording Click to prepare for recording. Click again to start recording. One more to stop recording and see preview of the video. Audio Recording Click to start recording, click again to stop and listen to a preview of the audio.

[Page 78: Using The Toshiba Face Recognition](#)

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 79](#) 1. To launch this utility, click Start All Programs TOSHIBA Utilities TOSHIBA Face Recognition. ■ The Registration screen is displayed for a logged-in user whose face has not been registered. ■ The Management screen is displayed for a logged-in user whose face has already been registered.

[Page 80: Auto Mode Login Screen](#)

Utilities 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 file is selected by default, you can log in without using the keyboard or mouse.

[Page 81: Using The Optical Disc Drive](#)

Operating Basics "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. ■ If an error occurs during authentication, you will be returned to the Select Tiles screen.

[Page 82: Loading Discs](#)

Operating Basics Loading discs To load a disc, follow the steps below and refer to the figures. 1. a. When the power is on, press the eject button to open the drawer slightly. Eject Button Pressing the eject button b. Pressing the eject button will not open the drawer when the disc

drive's power is off.

[Page 83](#) Operating Basics 2. Grasp the drawer gently and pull until it is fully opened. Pulling the drawer open 3. Place the disc, label side up, in the drawer. Inserting a disc User's Manual 4-17...

[Page 84](#) Operating Basics When the drawer is fully opened, the edge of the computer will extend slightly over the disc tray. Therefore, you will need to turn the disc at an angle when you place it in the tray. After seating the disc, however, make sure it lies flat, as shown in the figure above.

[Page 85: Removing Discs](#)

Operating Basics Removing discs To remove the disc, follow the steps below and refer to the figure. Do not press the eject button while the computer is accessing the disc drive. Wait for the optical media drive indicator to go out before you open the drawer.

[Page 86: Writing Cd/Dvd With The Dvd Super Multi Drive](#)

Based on TOSHIBA's limited compatibility testing, we suggest the following manufacturers of CD-R/RW and DVD-R/+R/-RW/+RW/-RAM discs. However, in no event does TOSHIBA guarantee the operation, quality or performance of any disc. Disc quality can affect write or rewrite success rates.

[Page 87](#) Operating Basics DVD+RW: MITSUBISHI KAGAKU MEDIA CO, LTD. DVD-RAM: DVD Specifications for DVD-RAM Disc for Version 2.0, 2.1 or 2.2 Hitachi Maxell Ltd. Matsushita Electric Industrial Co., Ltd. This drive cannot use discs that allow writing of 8 speeds or more (DVD-R, DVD+R, DVD+RW), or 6 speeds or more (DVD-RW) ■...

[Page 88: When Writing Or Rewriting](#)

LAN server or any other network device. ■ Writing with software other than TOSHIBA Disc Creator is not recommended. When writing or rewriting Please observe/consider the following when you write or rewrite to a CD-R/ -RW, DVD-R/-RW/-RAM or DVD+R/+RW disc.

[Page 89: Toshiba Disc Creator](#)

TOSHIBA Disc Creator cannot record in packet format. ■ You might not be able to use the Disc Backup function of TOSHIBA Disc Creator to backup a DVD-R/-RW or DVD+R/+RW disc that was made with other software on a different DVD-R/-RW or DVD+R/ +RW recorder.

[Page 90: Data Verification](#)

2. Mark the Verify written data check box. 3. Select File Open or Full Compare mode. 4. Click the OK button. How to learn more about TOSHIBA Disc Creator Please refer to the Help files for additional TOSHIBA Disc Creator information. Video ®...

[Page 91: Important Information For Use](#)

Simplified steps for making a DVD-Video from adding video source: 1. Click All Programs MovieFactory for TOSHIBA Ulead MovieFactory for TOSHIBA Launcher to launch MovieFactory. 2. Click Video Disc New Project to invoke 2 Launcher, choose your project type, then invoke MovieFactory.

[Page 92: Media Care](#)

Operating Basics 2. Before recording the video to DVD ■ When you record DVD disc, please use only discs recommended by the Drive manufacturer. ■ Do not set the working drive to a slow device like a USB1.1 hard disk drive or it will fail to write DVD. ■...

[Page 93: Modem](#)

To select a region, follow the steps below. 1. Click start, point to All Programs, TOSHIBA, 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 94: Properties Menu](#)

Operating Basics Properties menu Click the icon with the secondary mouse button to display

properties menu on the screen. Settings You can enable or disable the following settings:
AutoRun Mode The Region Select utility starts automatically when you start up the operating system.

[Page 95](#) Operating Basics Connecting To connect the modem cable(optional), follow the steps below. ■ The modular cable that comes with the computer must be used to connect a modem. Connect the end of the modular cable with the core to the computer. ■...

[Page 96: Using The Fm Tuner](#)

Operating Basics Using the FM tuner The availability of this feature is depending on the model you purchased. 1. Plug the FM tuner antenna into the FM Antenna Jack. FM tuner antenna FM Antenna Jack 2. Select Start All Programs FM Tuner Utility to start FM software.

[Page 97](#) TOSHIBA strongly recommend 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. Bluetooth Stack for Windows by TOSHIBA (depends on the model...

[Page 98: Product Support](#)

Bluetooth functionality. Product Support The latest information regarding Operating System support, Language Support or available upgrades can be found on our web site <http://www.toshiba-europe.com/computers/tnt/bluetooth.htm> in Europe or <http://www.pcsupport.toshiba.com> in the United States. Wireless communication switch You can enable or disable the Wireless LAN function, with the on/off switch.

[Page 99: Lan](#)

Operating Basics The computer has built-in support for Fast Ethernet LAN or Giga bit Ethernet LAN (depends on the model you purchased). LAN cable types The computer must be configured properly before connecting to a LAN. Logging onto a LAN using the computer's default settings could cause a malfunction in LAN operation.

[Page 100: Cleaning The Computer](#)

Operating Basics Disconnecting LAN cable To disconnect the LAN cable, follow the steps below. 1. Pinch the lever on the connector in the computer's LAN jack and pull out the connector. 2. Disconnect the cable from the LAN hub in the same manner. Check with your LAN administrator before disconnecting from the hub.

[Page 101](#) Operating Basics ■ Never transport your computer with ExpressCards installed. This could cause damage to your computer and/or ExpressCard, resulting in product failure. ■ Use the carrying case when transporting the computer. ■ When carrying your computer, be sure to hold it securely so that it does not fall or hit anything.

[Page 102: Chapter 5 The Keyboard](#)

The Keyboard Chapter 5 The Keyboard 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. There are five types of keys: typewriter keys, function keys, soft keys, ® ...

[Page 103: F1 ... F12 Function Keys](#)

The Keyboard F1 ... F12 function keys The function keys (not to be confused with Fn) are the 12 keys at the top of your keyboard. These keys function differently from other keys. F1 through F12 are called function keys because they execute programmed functions when pressed.

[Page 104](#) The Keyboard Power plan: Displays the power save modes and lets you change the power settings. Sleep: This hot key switches the system to Sleep Mode. Hibernate: This hot key switches the system to Hibernate mode. Output: Changes the active display device. Default resolution for simultaneous mode is set to 1024 x...

[Page 105: Windows® Special Keys](#)

TOSHIBA Zooming Utility (enlarge): Increases the icon size on the desktop or the font size within one of the supported application windows. Before using Fn + 1 and Fn + 2, you must install the TOSHIBA Zooming Utility. The Utility only supports the following application windows: Microsoft Internet Explorer, Microsoft Office, Windows Media Player, Adobe Reader and the icons on the

desktop.

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

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.

[Page 107: Power Indicators](#)

Power and Power-Up Modes Power indicators As shown in the above table, the Battery and Power indicators on the system indicator alert you to the computer's operating capability and battery charge status. Battery indicator Check the Battery indicator to determine the status of the battery pack. The following indicator lights indicate the battery status: Flashing orange The battery charge is low.

[Page 108: Battery Types](#)

Dispose of the battery as required by local ordinances or regulations. Use only batteries recommended by TOSHIBA as replacements. ■ Do not remove the battery pack while the computer is in Sleep Mode.

[Page 109: Care And Use Of The Battery Pack](#)

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.

[Page 110: Safety Precautions](#)

Power and Power-Up Modes Safety precautions Mishandling of batteries can cause death, serious injury or property damage. Carefully observe the following advisories: Danger: Indicates an imminently hazardous situation, which could result in death or serious injury, if you do not follow instructions. Warning: Indicates a potentially hazardous situation, which could result in death or serious injury, if you do not follow instructions.

[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 Note 1. Never remove the battery pack while the Wake-up on LAN function is enabled. Data will be lost. Before you remove a battery pack, disable the Wake-up on LAN function. 2. After the battery pack is charged, avoid leaving the AC adaptor connected and the computer turned off for more than a few hours at a time.

[Page 113: Battery Charging Notice](#)

Power and Power-Up Modes Battery charging notice The battery may not charge right away under the following conditions: ■ The battery is extremely hot or cold. If the battery is extremely hot, it might not charge at all. To ensure the battery charges to its full capacity, charge the battery at room temperature of 10°...

[Page 114: Maximizing Battery Operating Time](#)

Power and Power-Up Modes Maximizing battery operating time A battery's usefulness depends on how long it can supply power on a single charge. How long the charge lasts in a battery depends on: ■ CPU processing speed (depends on the model you purchased) ■...

[Page 115: Replacing The Battery Pack](#)

Power and Power-Up Modes 3. Operate the computer on battery power for five minutes. If the battery pack has at least five minutes of operating time, continue operating until the battery pack is fully discharged. If the Battery indicator flashes or there is some other warning to indicate a low battery, go to step 4.

[Page 116](#) Dispose of the battery as required by local ordinances or regulations. Use only batteries recommended by TOSHIBA as replacements. ■ Do not touch the latch while holding

the computer. Or you may get injured by the dropped battery by unintentional release of the latch.

[Page 117: Starting The Computer By Password](#)

Power and Power-Up Modes Starting the computer by password If you have already registered a password, there are two ways to start the computer: Swipe your fingerprint on the sensor if you have already registered the fingerprint with the Fingerprint utility and enabled Fingerprint Power-on Security.

[Page 118: Panel Power Off/On](#)

Power and Power-Up Modes Panel power off/on You can set up your computer so that power turns off automatically when you close the display panel. When you open the panel, power turns on in Sleep Mode or Hibernation Mode but not in boot mode. If the panel power off function is enabled and you use Shut down ®...

[Page 119: Chapter 7 Hw Setup](#)

HW Setup Chapter 7 HW Setup This chapter explains how to use TOSHIBA HW Setup program to configure your computer. TOSHIBA HW Setup lets you configure settings for General, Password, Display, Boot Priority, Keyboard, LAN, and USB. Accessing HW Setup To run HW Setup, click , All Programs, TOSHIBA, Utilities, HWSetup.

[Page 120: User Password](#)

HW Setup Password This tab allows you to set or reset the user password for power on. User Password Lets you register a new password or un-register an existing password. Not Registered Un-registers an existing password Registered Register a new password by following the on screen instructions Owner String This blank field is used to display a message when the password field is...

[Page 121](#) HW Setup Keyboard Wake-up on Keyboard When this feature is enabled and the computer is in Sleep Mode, you can turn on the computer by pressing any key. It is effective only for the internal keyboard and only when the computer is in Sleep Mode. Enabled Enables the Wake-up on Keyboard function.

[Page 122](#) HW Setup User's Manual...

[Page 123: Chapter 8 Optional Devices](#)

Optional Devices Chapter 8 Optional Devices Optional devices can expand the computer's capabilities and its versatility. This chapter describes connection or installation of the following devices, which are available from your TOSHIBA dealer: Cards/memory ■ ExpressCard ■ SD (Secure Digital)/SDHC (Secure Digital High Capacity)/MMC (Multi...

[Page 124: Inserting An Expresscard](#)

Optional Devices Inserting an ExpressCard One ExpressCard connector is located on the left side of the computer. The computer's hot-install feature lets you install ExpressCard while the computer's power is on. To install an ExpressCard, follow the steps below. 1. Insert the ExpressCard. 2.

[Page 125: Sd/Sdhc/Mmc/Memory Stick/ Memory Stick Pro/Xd Memory Cards](#)

Optional Devices 4. Grasp the extended ExpressCard, and remove it. ExpressCard Removing the ExpressCard SD/SDHC/MMC/MEMORY STICK/MEMORY STICK PRO/ xD Memory cards The computer is equipped with a multiple digital media card slot that can accommodate SD/SDHC/MMC/MEMORY STICK/MEMORY STICK PRO/ xD memory cards. These memory cards let you easily transfer data from devices, such as digital cameras and Personal Digital Assistants, which use flash-memory.

[Page 126: Installing A Memory Card](#)

Optional Devices Do not insert Memory Stick Duo/PRO Duo into the slot. Data may be lost or damaged if you use any card other than those supported. The card is designed so that it can be inserted only one way. Do not try to force the card into the slot.

[Page 127: Removing A Memory Card](#)

Optional Devices Removing a memory card To remove a memory card, follow the steps below:
1. Click the Safely Remove Hardware icon on the Taskbar. 2. Select a device, then click the Stop button. A confirmation dialog may appear, depending on how the device is registered with the system; if so, confirm that you want to remove the device.

[Page 128: Memory Expansion](#)

RAM. This section describes how to install and remove a memory module. ■ Use only memory modules approved by TOSHIBA. ■ Do not try to install or remove a memory module under the following conditions. You can damage the computer and the module. Also, data will be lost.

[Page 129](#) Optional Devices Memory Module Cover Removing the memory module cover 6. Lift one side of the insulator sheet and fit the module's connectors into the computer's connectors at about a 45 degree angle. Press the module carefully to ensure a firm connection. Do not touch the connectors on the memory module or on the computer.

[Page 130: Removing A Memory Module](#)

Optional Devices Points to note about memory module error If you install a memory module that is not compatible with the computer, the Power indicator will flash (on for 0.5 seconds, off for 0.5 seconds) in the following ways: ■ If there is only an error in Slot A: repeatedly flashes orange twice, then blue.

[Page 131: Additional Battery Pack](#)

Optional Devices Latches Removing the memory module 6. Seat the cover and secure it with screws and replace the battery pack. Additional battery pack You can increase the portability of the computer with additional battery packs. If you're away from an AC power source and your battery runs low, you can replace it with a freshly charged battery.

[Page 132: Television](#)

Optional Devices ® ® When you turn on the power, the Windows Bootup screen (Windows Logo) appears on the display device. ® However, the Windows Desktop appears on a display device that you used last time to shut down your PC, if the display device exists when you turn on the power.

[Page 133: Hdmi \(Optional\)](#)

Optional Devices HDMI (optional) A HDMI monitor can be connected to the HDMI out port on the computer. 1080p, 1080i, 720p, 576p and 480p signal formats can be supported. But actual signal format you can use depends on HDMI monitor. To connect monitor, follow the steps as detailed below: As the port operation of all HDMI (High-Definition Multimedia Interface) monitors has not been confirmed, some HDMI monitors may not function...

[Page 134: I.link \(Ieee1394\)](#)

There is a possibility that the original data will be damaged. There is a particular risk that some frames will be deleted in the case of digital video transfer. TOSHIBA assumes no liability for such loss of data. 2. Do not transfer data in areas where static electricity is easily generated or in areas subjected to electronic noise.

[Page 135](#) Optional Devices 5. If you connect/disconnect an i.LINK device to/from another i.LINK device that is currently exchanging data with the computer, data frames might be dropped. 6. Make sure data transfer has ended or turn off the computer, before you: a.

[Page 136: Esata \(External Serial Ata\)](#)

Optional Devices eSATA (External Serial ATA) An device corresponding to eSATA function can be connected to the eSATA/USB combo port on the computer. Connecting an eSATA device To connect an eSATA device, follow the steps as detailed below: 1. Connect an eSATA cable to the eSATA/USB combo port. Make sure the connector is properly aligned with the socket.

[Page 137: Security Lock](#)

Optional Devices Disconnecting an eSATA device When you have finished using an eSATA device, you can follow the procedures below in order to disconnect it: 1. Wait for the indicator

light of an eSATA device to go out to make sure all activity has stopped.

[Page 138: Troubleshooting](#)

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: Analyzing The Problem](#)

Troubleshooting ■ Inspect all connecting cables for loose wires and all connectors for loose pins. ■ Check that your CD/DVD/CD-RW is correctly inserted. Make notes of your observations and keep them in a permanent error log. This will help you describe your problems to your dealer. If a problem recurs, the log will help you identify the problem faster.

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

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 TOSHIBA HW Setup program. If any of the following conditions are present, the self test failed:
■...

[Page 141: Overheating Power Down](#)

Troubleshooting Power When the computer is not plugged into an AC outlet, the battery pack is the primary power source. However, your computer has a number of other power resources, including an intelligent power supply and a Real Time Clock battery. These resources are interrelated and any one could affect apparent power problems.

[Page 142: Disposing Of Pc And Pc Batteries](#)

Troubleshooting Problem Procedure Battery doesn't charge If the battery is completely discharged, it will not when the AC adaptor is begin charging immediately. Wait a few minutes. attached (Battery If the battery still does not charge, make sure the indicator does not glow outlet of the AC adaptor is supplying power.

[Page 143: Real Time Clock](#)

Troubleshooting ■ Please be kind to our shared environment. Check with your local government authority for details regarding where to recycle old batteries or how to dispose of them properly. This product contains mercury. Disposal of this material may be regulated due to environmental considerations.

[Page 144: Lcd Panel](#)

Troubleshooting Keyboard Keyboard problems can be caused by your setup configuration. For more information refer to Chapter 5, Keyboard. Problem Procedure Output to screen is Make sure the software you are using is not garbled remapping the keyboard. Remapping involves reassigning the meaning of each key.

[Page 145: Dvd Super Multi Drive](#)

Troubleshooting DVD Super Multi drive For more information, refer to Chapter 4, Operating Basics. Problem Procedure You cannot access a Make sure the drive's drawer is securely closed. CD/DVD in the drive Press gently until it clicks into place. Open the drawer and make sure the CD/DVD is properly seated.

[Page 146](#) Cannot write correctly If you have trouble writing, make sure you are 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 147: Usb Mouse](#)

Troubleshooting Problem Procedure The response of the Adjust the touch sensitivity. TouchPad is too 1. Click , Control Panel, Hardware and sensitive Sound, then Mouse icon. 2. Within the Mouse Properties window, click the Device Settings tab. 3. Click the Settings button. 4.

[Page 148](#) Troubleshooting Problem Procedure The mouse pointer The mouse might be dirty. Refer to your mouse moves erratically documentation for instructions on cleaning. If problems

persist, contact your dealer. Also refer to your USB device's documentation. Problem Procedure USB device does not Check for a firm cable connection between the work USB ports on the computer and the USB device.

[Page 149](#) Troubleshooting USB Sleep and Charge function Problem Procedure I cannot use the "USB The setting of "USB Sleep and Charge function" Sleep and Charge may be [Disabled]. Change the setting to function". [Enabled] in the HW Setup. When there is a current overflow of the external device connected to the compatible port, USB bus power (DC5V) supply may be stopped for safety reasons.

[Page 150](#) Troubleshooting Problem Procedure External devices Some external devices may not work when connected to the connected to a compatible port when the "USB compatible ports do not Sleep and Charge function" is [Enabled] in the work when connected to HW Setup. a compatible port.

[Page 151: Sound System](#)

Troubleshooting Sound system Refer also to documentation for your audio devices. Problem Procedure No sound is heard Check the software volume settings. Make sure the headphone connection is secure. If problems persist, contact your dealer. Monitor Refer also to Chapter 8, Optional Devices, and to your monitor's documentation.

[Page 152](#) Troubleshooting Problem Procedure Communication is cut The computer will automatically cut off off unexpectedly communication when connection with the carrier is not successful for a set time interval. Try lengthening this time interval. CONNECT display is Check the error control setting in your quickly replaced by communications application.

[Page 153: Fingerprint Sensor](#)

If problems persist, contact your dealer. Fingerprint Pre-OS Please use TOSHIBA HW Setup to register the feature or Single Sign User Password if it was not registered. On feature cannot be...

[Page 154: 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, it is important to investigate other sources of assistance first.

[Page 155: Specifications](#)

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 0 to 3,000 meters 0 to 10,000 meters level) Power Requirements AC adaptor...

[Page 156](#) Specifications Communication specifications Communication Data: Full duplex System Fax: Half duplex Communication Data protocol ITU-T-Rec V.21/V.22/V.22bis/V.32/ (Former CCITT) V.32bis/V.34/V.90/V.92 Bell 103/212A Fax: ITU-T-Rec V.17/V.29/V.27ter/V.21 ch2 (Former CCITT) Communication Data transmission and reception Speed 300/1200/2400/4800/7200/9600/12000/14400/ 16800/19200/21600/24000/26400/28800/31200/ 33600 bps Data reception only with V.90 28000/29333/30666/32000/33333/34666/36000/ 37333/38666/40000/41333/42666/44000/45333/ 46666/48000/49333/50666/52000/53333/54666/...

[Page 157: Appendix B Display Controller](#)

Display Controller Appendix B Display Controller Display controller The display controller interprets software commands into hardware commands that turn particular pels 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 158: Wireless Lan](#)

Wireless LAN Appendix C Wireless LAN Card Specifications Form Factor Mini PCI TypeIII ■ Compatibility IEEE 802.11 Standard for Wireless LANs ■ Wi-Fi (Wireless Fidelity) certified by the

Wi-Fi Alliance. The "Wi-Fi CERTIFIED" logo is a certification mark of the Wi-Fi Alliance. ®...

[Page 159](#) Subject to the radio regulations that apply in the countries/regions, your Wireless LAN card may support a different set of 2.4 GHz channels. Consult your Authorized Wireless LAN or TOSHIBA Sales office for information about the radio regulations that apply in the countries/regions.

[Page 160](#) 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 161: Certification Agencies](#)

AC Power Cord and Connectors Appendix D AC Power Cord and Connectors The power cord's AC input plug must be compatible with the various international AC power outlets and the cord must meet the standards for the country/region in which it is used. All cords must meet the following specifications: Length: Minimum 1.7 meters...

[Page 162](#) AC Power Cord and Connectors The following illustrations show the plug shapes for the U.S.A. and Canada, the United Kingdom, Australia and Europe. USA and Canada United Kingdom UL approved BS approved CSA approved Australia Europe AS approved Approved by the appropriate agency User's Manual...

[Page 163: Legal Footnotes](#)

Legal Footnotes Appendix E Legal Footnotes This chapter states the Legal Footnotes information applicable to TOSHIBA computers. In the text in this manual, *XX is used to show which Legal Footnotes description is related to TOSHIBA computers. Description(s) related to this computer are marked with a blue *XX in this manual.

[Page 164: Battery Life](#)

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

[Page 165: Copy Protection](#)

Legal Footnotes After going through many charge and discharge cycles, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is a normal phenomenon for all batteries. To purchase a new battery pack, see the accessories information that is shipped with your computer.

[Page 166: If Your Computer Is Stolen](#)

What is your address, phone, and fax number? To register the theft on paper, please follow these procedures: ■ Fill in the TOSHIBA Theft Registration form (or a copy of it) below. ■ Attach a copy of your receipt showing where your computer was purchased.

[Page 167: Toshiba Theft Registration](#)

If your computer is stolen TOSHIBA Theft Registration Send to: TOSHIBA Europe GmbH Technical Service and Support Leibnizstr. 2 93055 Regensburg Germany Fax number: +49 (0) 941 7807 921 Country stolen: Machine type: (e.g. Satellite U400) Model number: (e.g. PSU40EYXT) Serial number: (e.g.

[Page 168](#) Glossary Glossary The terms in this glossary cover topics related to this manual. Alternate naming is included for reference. Abbreviations AACS: advanced access content system AC: Alternating current ACPI: Advanced Configuration and Power Interface AMT: Intel Active Management Technology ASCII: American Standard Code for Information Interchange BIOS: basic input/output system bps: bits per second CD: compact disc...

[Page 169](#) Glossary GB: gigabyte HDD: hard disk drive HDCP: high-bandwidth digital content protection HDMI: high definition multimedia interface HDMI-CEC: high definition multimedia interface consumer electronics control IDE: integrated drive electronics IEEE: Institute of Electrical and Electronics Engineers IMSM: Intel Matrix Storage Manager I/O: input/output IRQ:

interrupt request KB: kilobyte...

[Page 170](#) Glossary adaptor: A device that provides a compatible connection between two units. For example, the computer's internal display adapter receives information from the software and translates it into images on the screen. An adapter can take a number of forms, from a microprocessor to a simple connector: An intelligent adapter (one that is capable of doing some processing) may also be called a controller.

[Page 171](#) Glossary boot disk: See system disk. boot: Short for bootstrap. A program that starts or restarts the computer. The program reads instructions from a storage device into the computer's memory. bootable disk: See system disk. bps: Bits per second. Typically used to describe the data transmission speed of a modem.

[Page 172](#) Glossary click: To press and release the pointing device's primary button without moving the pointing device. In the Windows? operating system, this refers to the pointing device's left button, unless otherwise stated. See also double-click. CMOS: Complementary Metal-Oxide Semiconductor. An electronic circuit fabricated on a silicon wafer that requires very little power.

[Page 173](#) Glossary data bits: A data communications parameter controlling the number of bits (binary digits) used to make up a byte. If data bits = 7 the computer can generate 128 unique characters. If data bits = 8 the computer can generate 256 unique characters. data: Information that is factual, measurable or statistical that a computer can process, store, or retrieve.

[Page 174](#) Glossary DVD-R (+R, -R): A Digital Versatile Disc-Recordable disk can be written once and read many times. The DVD-R drive uses a laser to read data from the disc. DVD-RAM: A Digital Versatile Disc-Random Access Memory is a high capacity, high performance disc that lets you store large volumes of data.

[Page 175](#) The computer's feature in which certain keys in combination with the extended function key, 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. User's Manual...

[Page 176](#) Glossary i.LINK (IEEE1394): This port enables high-speed data transfer directly from external devices such as digital video cameras. I/O devices: Equipment used to communicate with the computer and transfer data to and from it. I/O: Input/output. Refers to acceptance and transfer of data to and from a computer.

[Page 177](#) Glossary L1 cache: Level one cache. Memory cache built into the processor to help improve processing speed. See also cache memory, L2 cache. L2 cache: Memory cache installed on the motherboard to help improve processing speed. It is slower than L1 cache and faster than main memory.

[Page 178](#) Glossary 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. network: A collection of computers and associated devices that are connected by communications facilities.

[Page 179](#) The electrical connection through which the computer sends and receives data to and from devices or other computers. Power Saver: A TOSHIBA utility that lets you set the parameters for various power-saving functions. program: A set of instructions a computer can execute that enables it to achieve a desired result.

[Page 180](#) A Class A device is sufficient for office use. Class B provides a more stringent classification for home equipment use. TOSHIBA portable computers comply with Class B computing device regulations. Random Access Memory (RAM): Volatile memory that can be written to as well as read.

[Page 181](#) 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. Touch Pad: A pointing device integrated into the TOSHIBA computer palm rest. USB: Universal Serial Bus. This serial interface lets you communicate with several devices connected in a chain to a single port

on the computer.

[Page 182](#) Glossary warm start: Restarting or resetting a computer without turning it off. ® Wi-Fi : A registered trademark term of the Wi-Fi Alliance that stands for Wireless Fidelity, and is another term for the communication protocol to permit an Ethernet connection using wireless communication components.

[Page 183](#) Index Index AC adaptor, 1-4 Equipment checklist, 1-1 additional, 1-15 Express card connecting, 3-2 inserting, 8-2 ASCII characters, 5-4 removing, 8-2 Expresscard, 8-1 Battery charging, 6-7 Floppy disk extending battery life, 6-9 using, 4-15 indicator, 6-1 Fn + Esc (sound mute), 5-2 location, 2-6 Fn + F1 (instant security), 5-2 Monitoring capacity, 6-8...

[Page 184](#) Pointing device, 9-9 properties menu, 4-28 Power, 9-4 region selection, 4-27 Real Time Clock, 9-6 Monitor, external, 1-7, 8-9 Self test, 9-3 Sound system, 9-14 Support from TOSHIBA, Ports, 1-7 9-17 external monitor, 1-7 System start-up, 9-3 USB, 1-7 USB, 9-11 Power...

[Page 185](#) 5-2 ScrLock, 5-2 Sound System, 1-8 Headphone(S/P DIF) jack, microphone jack, 1-8 mute hot keys, 5-2 TOSHIBA ConfigFree, 1-14 TOSHIBA Theft Registration, Touch Pad, 1-7 location, 2-7 using, 4-1 USB, 1-7 Video RAM, 1-4 Wireless communication switch,...

This manual is also suitable for:

[Pspccc-06001cP300 seriesP300d series](#)