



Toshiba Satellite P500 User Manual

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

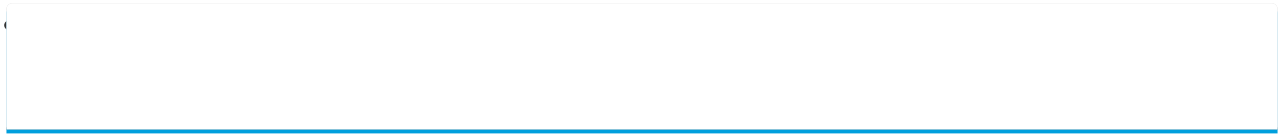
19
20
21
22
23
24
Table Of Contents
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67

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
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217

218
219
220
221
222
223
224
225
226
227



•

•

Troubleshooting

•

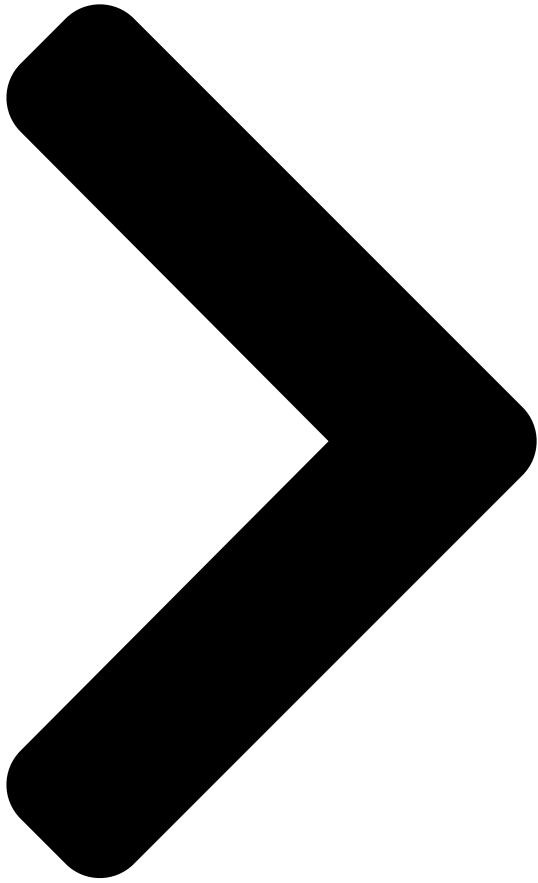
Bookmarks

Quick Links

[1 Hardware](#)

[Download this manual](#)

See also: [Maintenance Manual](#)



TOSHIBA

Satellite P500 / Satellite P505

Qosmio X500 / Qosmio G60 /

Qosmio X505

Satellite P500D / Satellite P505D

Satellite P507 / Satellite P507D

Portable Personal Computer User's Manual

Downloaded from LpManual.com Manuals

[Table of Contents](#)

[Next Page](#)

1
2
3
4
5

Related Manuals for Toshiba Satellite P500

[Laptop Toshiba Satellite P500 Maintenance Manual](#)

Personal computer (288 pages)

[Laptop Toshiba Satellite P500 Maintenance Manual](#)

(288 pages)

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

P500-st5801 user's guide (254 pages)

[Laptop Toshiba P505 S8970 - Satellite - Core 2 Duo 2.2 GHz User Manual](#)

User's guide for satellite p500/p505 series (253 pages)

[Laptop Toshiba Satellite P500 User Manual](#)

Portable personal computer (223 pages)

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

Portable personal computer (213 pages)

[Laptop TOSHIBA Satellite P500 User Manual](#)

Portable personal computer (208 pages)

[Laptop TOSHIBA P500 User Manual](#)

Portable personal computer (202 pages)

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

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

[Laptop Toshiba Qosmio X500 Maintenance Manual](#)

(277 pages)

[Notebook Toshiba Qosmio X500 User Manual](#)

(204 pages)

[Laptop Toshiba Qosmio X505-Q850 Specifications](#)

Toshiba qosmio x505-q850: specifications (4 pages)

[Laptop Toshiba Qosmio X505-Q860 Specifications](#)

Toshiba qosmio x505-q860: specifications (4 pages)

[Laptop Toshiba Qosmio X505-Q870 Specifications](#)

Toshiba qosmio x505-q870: specifications (4 pages)

[Laptop Toshiba Qosmio X505-Q875 Specifications](#)

Toshiba qosmio x505-q875: specifications (4 pages)

[Laptop Toshiba Qosmio X505-Q882 Specifications](#)

Toshiba qosmio x505-q882: specifications (4 pages)

Summary of Contents for Toshiba Satellite P500

[Page 1](#) TOSHIBA Satellite P500 / Satellite P505 Qosmio X500 / Qosmio G60 / Qosmio X505 Satellite P500D / Satellite P505D Satellite P507 / Satellite P507D Portable Personal Computer User's Manual Downloaded from LpManual.com Manuals...

[Page 2](#) TOSHIBA. No patent liability is assumed, with respect to the use of the information contained herein. TOSHIBA Satellite P500 / Satellite P505 / Satellite P507, Qosmio X505, Qosmio X500, Qosmio G60, Satellite P500D / Satellite P505D / Satellite...

[Page 3](#) Adobe Systems Incorporated in the United States and/or other countries. Bluetooth™

is a registered trademark owned by its proprietor and used by TOSHIBA under license. ConfigFree is a trademark of TOSHIBA Corporation. WinDVD is a trademark of Corel Corporations. DVD MovieFactory is a trademark of Corel Corporations.

[Page 4: Fcc Information](#)

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, serial port,...

[Page 5](#) "CE" and comply therefore with the applicable harmonized European standards listed under the Low Voltage Directive 2006/95/EC, the EMC Directive 2004/108/EC and/or R&TTE Directive 1999/5/EC. Responsible for CE- "TOSHIBA EUROPE GMBH, Hammfelddamm 8, marking: 41460 Neuss, Germany. Manufacturer: Toshiba Corporation, 1-1 Shibaura 1-chome, Minato-ku, Tokyo, 105-8001, Japan.

[Page 6](#) Modem warning notice This information is applicable to the models equipped with a built-in modem. Conformity Statement The equipment has been approved to [Council Decision 98/482/EC - "TBR 21"] for pan-European single terminal connection to the Public Switched Telephone Network (PSTN). However, due to differences between the individual PSTNs provided in different countries/regions the approval does not, of itself, give an unconditional assurance of successful operation on every PSTN network...

[Page 7](#) 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: Type Of Service](#)

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: Fax Branding](#)

Fax branding The Telephone Consumer Protection Act of 1991 makes it unlawful for any person to use a computer or other electronic device to send any message via a telephone fax machine unless such message clearly contains in a margin at the top or bottom of each transmitted page or on the first page of the transmission, the date and time it is sent and an identification of the business, other entity or individual sending the message and the telephone number of the sending machine or such business, other entity or individual.

[Page 10](#) The Ringer Equivalence Number (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed 5.

[Page 11](#) Notes for use of this device in New Zealand ■ The grant of a Telepermit for a device in no way indicates Telecom acceptance of responsibility for the correct operation of that device under all operating conditions. In particular the higher speeds at which this modem is capable of operating depend on a specific network implementation which is only one of many ways of delivering high quality voice telephony to customers.

[Page 12: General Conditions](#)

second ring cadences) is not destroyed. ■ The preferred method of dialling is to use DTMF tones (ATDT...) as this is faster and more reliable than pulse (decadic) dialling. If for some reason you must use decadic dialling, your communications program must be set up to record numbers using the following translation table as this modem does not implement the New Zealand "Reverse dialling"...

[Page 13](#) For more detailed information about the collection and recycling programmes available in your country, please visit our website ([http:// eu.computers.toshiba-europe.com](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 accumulators...

[Page 14: Energy Star](#)

To conserve energy, your computer is set to enter the low-power Sleep mode which shuts down the system and display within 15 minutes of inactivity in AC power mode. TOSHIBA recommends that you leave this and other energy saving features active, so that your computer will operate at its maximum energy efficiency.

[Page 15: Optical Disc Drive Safety Instructions](#)

Optical disc drive safety instructions Be sure to check the international precautions at the end of this section. Panasonic BD Combo UJ141/BD-R/RE UJ240 with Labelflash™ ■ The BD Combo/BD-R/RE drive employs a laser system. To ensure proper use of this product, please read this instruction manual carefully and retain for future reference.

[Page 16](#) Hitach-LG Data Storage DVD Super Multi GT20N/GT20F with Labelflash™ ■ 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 17](#) TOSHIBA SAMSUNG STORAGE TECHNOLOGY DVD Super Multi TS-L633C/TS-L633Y ■ THIS DVD WRITABLE 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-SEE SERVICE PROCEDURE.

[Page 18: Using Windvd Bd For Toshiba](#)

To prevent direct exposure to the laser beam, do not try to open the enclosure. Using WinDVD BD for TOSHIBA Do not sleep or hibernate PC while WinDVD BD for TOSHIBA is running. When you need it, exit WinDVD BD for TOSHIBA in advance. Downloaded from LpManual.com Manuals User's Manual...

[Page 19](#) Panasonic DVD Super Multi UJ890AD/UJ890ED with Labelflash™ ■ 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 20](#) 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 21](#) OBS! Apparaten innehåller laserkomponent som avger laserstråining överstigande gränsen för laserklass 1. VAROITUS. Suojakoteloja si saa avata. Laite sisältää laseriodin, joka lähettää näkymätöntä silmilie vaarallista lasersäteilyä. CAUTION: USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED IN THE OWNER'S MANUAL MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

[Page 22: General Precautions](#)

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 23](#) General Precautions To keep your computer in prime operating condition, protect your work area from: ■ Dust, moisture, and direct sunlight. ■ Equipment that generates a strong electromagnetic field, such as stereo speakers (other than speakers that are connected to the computer) or speakerphones.

[Page 24: Instruction Manual For Safety And Comfort](#)

General Precautions ExpressCard overheating Some PC and ExpressCards can become hot during prolonged use which may result in errors or instability in the operation of the device in question. In addition, you should also be careful when you remove a PC or ExpressCard that has been used for a long time.

[Page 25: Table Of Contents](#)

Special features 1-12 TOSHIBA Value Added Package1-14 Utilities and Applications.

[Page 26](#) Table of Contents DVDs.....2-13 BDs .

[Page 27](#) TOSHIBA DVD Player

[Page 28](#) Using the Hard Disk Drive (HDD) Protection4-46 TOSHIBA HDD Protection Properties..... . . 4-47 Details .

[Page 29](#) Table of Contents Panel power off/on6-13 System Auto Off .

[Page 30](#) TOSHIBA support

[Page 31: Preface](#)

This manual tells you how to set up and begin using your TOSHIBA Satellite P500 / Satellite P505 / Satellite P507, Qosmio X505, Qosmio X500, Qosmio G60, Satellite P500D / Satellite P505D / Satellite P507D Series Series computer.

[Page 32: Conventions](#)

Preface Chapter 4, Operating Basics, includes instructions on using the following devices: TouchPad, Sound System, optical media drives, modem, wireless communication and LAN. It also provides tips on care of the computer, and CD/DVDs. Chapter 5, Keyboard, describes special keyboard functions including hot keys.

[Page 33: Key Operation](#)

Preface Key operation Some operations require you to simultaneously use two or more keys. We identify such operations by the key top symbols separated by a plus sign (+). For example, Ctrl + C means you must hold down Ctrl and at the same time press C.

[Page 34: Introduction](#)

Hardware Check to make sure you have all the following items: ■ TOSHIBA Satellite P500 / Satellite P505 / Satellite P507, Qosmio X505, Qosmio X500, Qosmio G60, Satellite P500D / Satellite P505D / Satellite P507D Series Series Portable Personal Computer ■...

[Page 35: Software](#)

Other software may be preinstalled dependant on the model purchased. Documentation ■ TOSHIBA Satellite P500 / Satellite P505 / Satellite P507, Qosmio X505, Qosmio X500, Qosmio G60, Satellite P500D / Satellite P505D / Satellite P507D Series Series Personal Computer User Information Guide ■...

[Page 36: Features](#)

Built-in Your computer is equipped with one processor and processor type varies depending on model. To check which type of processor is included in your model, open the TOSHIBA PC Diagnostic Tool Utility by clicking Start All programs TOSHIBA Utilities TOSHIBA PC diagnostic Tool.

[Page 37](#) Introduction Video RAM Video RAM depends on the model you purchased. ® Mobile Intel GM45 Express Chipset model: Video RAM capacity shares with main memory, and the proportion depends on Dynamic Video Memory Technology. ® Mobile Intel GM45 Express Chipset model in ®...

[Page 38](#) Introduction Power Battery Pack Your computer is powered by a rechargeable lithium-ion battery pack. Disclaimer (Battery Life) For more information regarding Battery Life, please refer to the Disclaimers section in Appendix E or click the *3 above. RTC Battery The internal RTC battery backs up the Real Time Clock and calendar.

[Page 39](#) Introduction BD-R/RE drive with Some models are equipped with a full-size BD-R/Labelflash™ RE drive module that lets you record data to rewritable CD/DVD/BDs. It reads BD-ROM discs at maximum 6 speed, BD-ROM (DL) discs at maximum 6 speed, DVD-ROM's at

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

[Page 40](#) Introduction BD Combo drive with Some models are equipped with a full-size BD LabelFlash™ Combo drive module that lets you record data to rewritable CD/DVDs. It reads BD-ROM discs at maximum 6 speed, BD-ROM (DL) discs at maximum 6 speed, DVD-ROM's at maximum 8 speed and CD-ROM's at maximum 24 speed.

[Page 41](#) Introduction DVD Super Multi Some models are equipped with a full-size DVD drive Super Multi drive module that lets you record data to rewritable CD/DVDs. It reads DVD-ROM's at maximum 8 speed and CD-ROM's at maximum 24 speed. It writes CD-R's at up to 24 speed, CD-RW's at up to 24 speed, DVD-R's at maximum 8 speed, DVD-RW's at maximum 6 speed.

[Page 42](#) For more information regarding Graphics Processor Unit, please refer to the Disclaimers section in Appendix E or click the *5 above. Keyboard Built-In TOSHIBA 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.

[Page 43](#) Introduction Universal Serial Bus The computer has Universal Serial Bus ports that (USB 2.0) comply with the USB 2.0 standard, which enables data transfer speeds 40 times faster than the USB 1.1 standard. (The ports also support USB 1.1.) Ports with the icon () have USB Sleep and Charge function.

[Page 44](#) Introduction Headphone(S/P DIF) This jack outputs analog audio signals. This jack can be used also as S/P DIF jack and enables connection of optical digital correspondence apparatus. Microphone Jack A 3.5 mm mini microphone jack enables connection of a three-conductor mini jack for monaural microphone input.

[Page 45: Special Features](#)

Two level password architecture Fingerprint authentication (not available on all models) Special features The following features are either unique to TOSHIBA computers or are advanced features, which make the computer more convenient to use. Downloaded from LpManual.com Manuals User's Manual...

[Page 46](#) Introduction Hot Keys Key combinations let you quickly modify the system configuration directly from the keyboard without running a system configuration program. Instant Security The hot key function Fn + F1 blanks the screen and disables the computer, providing data security.

[Page 47: Toshiba Value Added Package](#)

USB Sleep and Charge function in Chapter 4, Operating Basics. TOSHIBA Value Added Package This section describes the TOSHIBA Component features pre-installed on the computer. TOSHIBA Power Saver TOSHIBA Power Saver provides you with the Saver features of more various power supply managements.

[Page 48](#) 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' keys in order to access its specific function.

[Page 49: Utilities And Applications](#)

TOSHIBA Assist TOSHIBA Assist is a graphical user interface that provides easy access to help and services. HW Setup This program lets you customize your hardware settings according to the way you work with your computer and the peripherals you use.

[Page 50](#) Introduction WinDVD BD for This software is provided for playback of Blu-ray TOSHIBA Disc. It has an on-screen interface and functions. To run WinDVD BD for TOSHIBA, click Programs InterVideo WinDVD WinDVD BD for TOSHIBA. Corel DVD You can edit digital video and make a DVD-Video and support Label Flash function.

[Page 51](#) 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 52: Options](#)

* The availability of DDRII or DDRIII 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 53: 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 54](#) The Grand Tour ■ Set the wireless communication switch to off in airplanes and hospitals. Check the wireless activity indicator. It will stop glowing when the wireless communication function is off. ■ Turn Wi-Fi and Bluetooth functionalities off when near a person who may have a cardiac pacemaker implant or other medical electric device.

[Page 55: Left Side](#)

The Grand Tour Disk LED Disk LED indicates that the hard disk drive or optical disc drive is being accessed. Multiple Digital Multiple Digital Media Card Slot LED lights up Media Card Slot LED when the Multiple Digital Media Card Slot is accessed.

[Page 56](#) The Grand Tour ■ Do not connect any cable other than a LAN cable to the LAN jack. It could cause damage or malfunction. ■ Do not connect the LAN cable to a power supply. It could cause damage or malfunction. eSATA/ eSATA/USB Combo The eSATA/USB combo port supports the USB...

[Page 57: Right Side](#)

The Grand Tour Right side The following figure shows the computer's right side. 1. Headphone (S/P DIF) jack 2. Microphone Jack 3. USB Serial Bus (USB 2.0) Ports 4. Modem Jack or TV In Port* 5. External Monitor Port 6. DC in 19V Jack 7.

[Page 58](#) The Grand Tour ■ Connection to any communication line other than an analog phone line could cause a computer system failure. ■ Connect the built-in modem only to ordinary analog phone lines. ■ Never connect the built-in modem to a digital line (ISDN). ■...

[Page 59: Backside](#)

The Grand Tour Backside The following figure shows the computer's back panel. 1. Cooling Vents The backside of the computer Cooling Vents Cooling vents help prevent the CPU from overheating. Do not block the cooling vents. Make sure that foreign objects such as pins (or similar objects) are kept out of the vents, to avoid damaging the computer's circuitry.

[Page 60: 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. 1. Hard Disk Cover 2. Battery Pack Lock 3. Battery Pack 4. Battery Release Latch 5. Hard Disk Cover 6.

[Page 61](#) The Grand Tour Memory Module This cover protects two memory module sockets -- Cover one or two modules are pre-installed. Refer to the Memory expansion section in Chapter 8, Optional Devices. Cooling Vents Cooling vents help prevent the CPU from overheating.

[Page 62: 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. 16 17 1.

[Page 63](#) The Grand Tour Web Camera LED The Web Camera LED indicates whether the web camera is working or not. (Provided with some models) Web Camera Use the web camera to take your picture or send your image to web contacts. (Provided with some models) Built-in

microphone The microphone is used with the Web Camera to...

[Page 64](#) Press this button to launch an application program that allows for playing of CDs, DVDs or BDs. The application that is launched differs by model: Windows Media Player/TOSHIBA DVD PLAYER/WinDVD BD for TOSHIBA. Previous Button Skips backwards to the previous track, chapter or digital file.

[Page 65: 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 system glows. Region codes for BD drive and media Optical disc drives and their associated media are manufactured according to the specifications of three marketing regions.

[Page 66: Bd-R/Re Drive](#)

The Grand Tour BD-R/RE drive The full-size BD-R/RE drive module lets you record data to writable CD/ DVD/BDs as well as run either 12 cm (4.72") or 8 cm (3.15") for Tray type, 12 cm (4.72") for Slot type CD/DVDs without using an adaptor. Use only round standard (12cm) discs with this slot-loading optical drive.

[Page 67: Bd Combo Drive](#)

The Grand Tour BD Combo drive The full-size BD Combo drive module lets you record data to writable CD/ DVDs as well as run either 12 cm (4.72") or 8 cm (3.15") for Tray type, 12 cm (4.72") for Slot type CD/DVDs without using an adaptor. Use only round standard (12cm) discs with this slot-loading optical drive.

[Page 68: Dvd Super Multi Drive](#)

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") for Tray type, 12 cm (4.72") for Slot type CD/DVDs without using an adaptor. Use only round standard (12cm) discs with this slot-loading optical drive.

[Page 69: Ac Adaptor](#)

Always use the TOSHIBA AC adaptor that was included with your computer, or use AC adaptors specified by TOSHIBA to avoid any risk of fire or other damage to the computer. Use of an incompatible AC adaptor could cause fire or damage to the computer possibly resulting in serious injury.

[Page 70: Remote Controller](#)

The Grand Tour Remote controller A remote controller, which is provided with some models, enables you to perform some functions of your computer from a distance. You can use your remote controller with Media Center to play CDs, DVDs, BDs and videos, as well as view pictures. The remote controller helps you to control the playback of a movie with Media Center.

[Page 71](#) 19. Volume + 20. DVD Menu CD/DVD/BD button Press this button to launch Windows Media Player / DVD Video Player / WinDVD BD for TOSHIBA. Brightness down Decreases the computer's display panel brightness. Brightness up Increases the computer's display panel brightness.

[Page 72](#) 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 Security Power Options...

[Page 73: Using The Remote Controller](#)

The Grand Tour Fast forward Moves the media (video, DVD, music, and so on) forwards. Replay Moves media backward (seven seconds for videos, one music track or one DVD chapter at a time). Stop Stops the currently playing media. Skip Moves media forward (30 seconds for videos, one music track or one DVD chapter at a time).

[Page 74](#) The Grand Tour 15° 1. Infrared Receiver Window 2. 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. ■ When an obstacle

stands between the infrared receiver window of your computer and the remote controller.

[Page 75: Installing/Removing Batteries](#)

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 76: Installing The Batteries](#)

The Grand Tour Installing the batteries 1. Open the battery cover on the back side of the remote controller. 1. Battery Cover Opening the battery cover 2. Be sure to place the batteries with correct polarities. Press the battery down to the stopper then push it forward to fit into the battery case. 1.

[Page 77: Placing The 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. 1. Stopper 2. Battery Removing the batteries 3.

[Page 78: Chapter 3 Getting Started](#)

Getting Started Chapter 3 Getting Started This chapter provides basic information to get you started using your computer. It covers the following topics: ■ All users should be sure to read the section Starting up for the first time. ■ Be sure to read the enclosed Instruction Manual for Safety and Comfort for information on the safe and proper use of this computer.

[Page 79: Connecting The Ac Adaptor](#)

■ Always use the TOSHIBA AC adaptor that was included with your computer or use AC adaptors specified by TOSHIBA to avoid any risk of fire or other damage to the computer. Use of an incompatible AC adaptor could cause fire or damage to the computer possibly resulting in serious injury.

[Page 80](#) Getting Started 1. Connect the power cord to the AC adaptor. Connecting the power cord to the AC adaptor Either a 2-pin or 3-pin adaptor/cord will be included with the computer depending on the model. 2. Connect the AC adaptor's DC output plug to the DC IN 19V jack on the right of the computer.

[Page 81: 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 82: Turning On The Power](#)

Getting Started Turning on the power This section describes how to turn on the power. After you turn on the power for the first time, do not turn it off until you have set up the operating system. Refer to the section Windows setup.

[Page 83: Turning Off The Power](#)

Getting Started Turning off the power The power can be turned off in one of the following modes: Shut down (Boot), Hibernation or Sleep Mode. Shut Down mode (Boot mode) When you turn off the power in Shut Down mode no data is saved and the computer will boot to the operating system's main screen.

[Page 84](#) Getting Started ■ When the AC adaptor is connected, the computer will go into Sleep Mode according to the settings in Power Options . ■ To restore operation from Sleep Mode, press the power button or press any key. The latter action works only if Wake-up on Keyboard is enabled in HW Setup.

[Page 85: Hibernation Mode](#)

Getting Started ■ When the computer is shut down to Sleep Mode, the power indicator flashes orange. ■ If you are operating the computer on battery power, you can lengthen the operating

time by turning it off to Hibernation Mode, as Sleep Mode consumes more power.

[Page 86: Restarting The Computer](#)

Getting Started Automatic Hibernation Mode The computer will enter Hibernation mode automatically when you press the power button or close the Display Screen. First, however, make the appropriate settings according to the steps below. 1. Open the Control Panel. 2. Open System and Security and open Power Options. 3.

[Page 87: Create Optical Recovery Discs](#)

5. Double-click the Recovery Media Creator icon on your desktop, or select the application from Start menu. 6. After TOSHIBA Recovery Media Creator starts, select the type of media and the title you wish to copy to the media then click the Create button.

[Page 88: Restoring The Preinstalled Software From The Recovery Hdd](#)

1. Turn off your computer. 2. Hold down the 0 (zero) key on the keyboard and turn on your computer. 3. When "TOSHIBA Leading Innovation >>>" appears, release the 0 (zero) key on the keyboard. A menu appears. 4. Follow the on-screen instructions.

[Page 89: Restoring The Preinstalled Software From Recovery Media](#)

1. Load the Recovery Media in the optical media 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 upper or lower cursor key to select the CD/DVD in the display menu.

[Page 90: 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 91: Touch Pad Gesture](#)

Operating Basics Two buttons below the keyboard are used like the buttons on a mouse pointer. Press the left button to select a menu item or to manipulate text or graphics designated by the pointer. Press the right button to display a menu or other function depending on the software you are using.

[Page 92: Using The Fingerprint Sensor](#)

Operating Basics To use a Pinch Zoom gesture: 1. Place two fingers down on the TouchPad surface. 2. Slide the fingers further apart to zoom in or slide the fingers closer together to zoom out. For the best zooming experience, use the tips of your fingers.

[Page 93: How To Swipe The Finger](#)

Operating Basics How to swipe the finger Using the following steps when swiping fingers for fingerprint registration or authentication will help to minimize authentication failures: 1. Align the first joint of the finger to the center of the sensor. 2. While lightly touching the sensor, swipe the finger towards you until the sensor surface becomes visible.

[Page 94: Points To Note About The Fingerprint Sensor](#)

Operating Basics Points to note about the fingerprint sensor Failure to follow these guidelines might result in (1) damage to the sensor or cause sensor failure, (2) fingerprint recognition problems, or lower fingerprint recognition success rate. ■ Do not scratch or poke the sensor with your nails or any hard or sharp objects.

[Page 95: How To Delete The Fingerprint Data](#)

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 96: Points To Note About The Fingerprint Utility](#)

Operating Basics Points to note about the fingerprint utility ■ If the Windows file encryption function EFS (Encryption File System) is used to encrypt a file, the file cannot be further encrypted using the encryption function of this software. ■ You can back up the fingerprint data or the information registered to Password Bank.

[Page 97: Windows Logon Via Fingerprint 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 98: Fingerprint Single Sign-On Feature](#)

Password and Windows Logon password before using the fingerprint Pre- OS feature and this fingerprint Single Sign-On feature. Please use TOSHIBA HW Setup to register your User Password. Only one fingerprint authentication is required to replace the User Password (and, if selected, the HDD user and Supervisor passwords) and Windows Logon password.

[Page 99: 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 100: Starting The Usb Sleep And Charge Utility](#)

Starting the USB Sleep and Charge Utility To start the utility, click Start All Programs TOSHIBA Utilities USB Sleep and Charge. Enabling USB Sleep and Charge This utility can be used to enable and disable the USB Sleep and Charge function.

[Page 101: 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 remove the protective plastic-film before using the Web Camera. 1. Built-in microphone * 2.

[Page 102: Using The Software](#)

Operating Basics Using the software The web camera software is pre-configured to start when you turn on Windows. To start it manually, go to Start All Programs Toshiba Utilities Web Camera Application. 1. Capture Still Images 2. Video Recording 3. Audio Recording 4.

[Page 103: Using The Microphone](#)

Master Volume panel. Using the TOSHIBA Face Recognition TOSHIBA Face Recognition uses a face verification library to verify the face data of users when they log on to Windows. This way the user can avoid having to enter a password, which makes the logon process easier.

[Page 104: Disclaimer](#)

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 105: How To Delete The Face Recognition Data](#)

Delete image data, account information, and personal record data created during registration. To delete the Face Recognition Data, follow the steps as described below: 1. Click Start All Programs TOSHIBA Utilities Face Recognition. The Management screen is displayed. 2. Select a user.

[Page 106: How To Launch The Help File](#)

Utilities Face Recognition Help. Windows Logon via TOSHIBA Face Recognition This section explains how to logon to Windows with TOSHIBA Face Recognition. Two authentication modes are provided. ■ AUTO Mode Logon screen: If the face authentication file is selected by default,

you can log on without using the keyboard or mouse.

[Page 107: Loading Discs](#)

Operating Basics Operation is the same for all optical media drives. The full-size drive provides high-performance execution of CD/DVD/BD-based programs. You can run either 12 cm (4.72") or 8 cm (3.15") CD/DVD/BDs without an adaptor. An ATAPI interface controller is used for CD/DVD/BD operation. When the computer is accessing a CD/DVD/BD, an indicator on the system glows.

[Page 108](#) Operating Basics Pressing the eject button b. Pressing the eject button will not pop open the drawer when the disc drive's power is off. If the power is off, you can pop open the drawer by inserting a slender object (about 15 mm) such as a straightened paper clip into the eject hole just to the right of the eject button.

[Page 109](#) Operating Basics Pulling the drawer open 3. Place the disc, label side up, in the drawer. Inserting a disc 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.

[Page 110](#) Operating Basics Closing the disc drawer ■ Slot ODD To load CD/DVD's, follow the steps as listed below and refer to following figures. 1. When the computer's power is on, insert CD/DVD into the ODD directly. Inserting a disc Downloaded from LpManual.com Manuals User's Manual 4-21...

[Page 111: Removing Discs](#)

Operating Basics Removing discs ■ Tray ODD 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 112: Writing Cd/Dvd/Bds](#)

Based on TOSHIBA's limited compatibility testing, we suggest the following manufacturers of CD-R-RW and DVD-R/+R/-RW/+RW/-RAM and BD-R/RE 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 113](#) Operating Basics DVD-R: DVD Specifications for Recordable Disc for General Version 2.0 TAIYO YUDEN Co.,Ltd. (for 8x and 16x speed media) DVD-R (Dual Layer): MITSUBISHI KAGAKU MEDIA CO., LTD. (for 4x and 8x speed media) DVD-R for Labelflash: FUJIFILM CORPORATION (for 16x speed media) DVD+R: MITSUBISHI KAGAKU MEDIA CO., LTD.

[Page 114: Before Writing Or Rewriting With The Bd Combo 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 115: Before Writing Or Rewriting 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 116](#) Operating Basics DVD+R: MITSUBISHI KAGAKU MEDIA CO., LTD. (for 8x and 16x speed media) TAIYO YUDEN CO., Ltd. (for 8x and 16x speed media) DVD+R (Double Layer): MITSUBISHI KAGAKU MEDIA CO., LTD. (for 2.4x and 8x speed media) DVD+R for Labelflash: FUJIFILM CORPORATION (for 16x speed media) DVD-RW: DVD Specifications for Recordable Disc for Version 1.1 or version 1.2...

[Page 117](#) Write from the computer's hard disc drive 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 Corel Movie factory for TOSHIBA is not recommended. Downloaded from LpManual.com Manuals User's Manual...

[Page 118: When Writing Or Rewriting](#)

RW/-RAM, DVD+R/+RW or BD-R/-RE disc. Do not use cut-and-paste. The original data will be lost if there is a write error. Disclaimer (DVD Super Multi drive or BD-R/RE 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/- RAM or BD-R/RE disc that may be caused by writing or rewriting with this product.

[Page 119: Data Verification](#)

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

[Page 120: How To Make A Dvd-Video](#)

How to make a DVD-Video Simplified steps for making a DVD-Video from adding video source: 1. Click Start All Programs DVD MovieFactory for TOSHIBA DVD MovieFactory Launcher to launch DVD MovieFactory. 2. Click Create Video Disc New Project to invoke 2nd Launcher.

[Page 121](#) TOSHIBA DVD PLAYER software application. ■ When playing your recorded Blu-ray Disc on your computer, please use WinDVD BD for TOSHIBA software application. ■ If you use an over-used rewritable disc, the full formatting might be locked. Please use a brand new disc.

[Page 122: Toshiba Dvd Player](#)

Operating Basics TOSHIBA DVD Player Please be aware of the following limitations when you use the TOSHIBA DVD PLAYER: Notes on use ■ Frame dropping, audio skipping or out of sync audio and video may occur during playback of some DVD Video titles.

[Page 123](#) Operating Basics Display Devices & Audio 1. "TOSHIBA DVD PLAYER" will only run when "Colors" is set to "True Color (32 bit)". The "Colors" setting can be adjusted on the "Monitor" tab in the "Display Settings". To open the Display Settings, click Start...

[Page 124: Using Windvd Bd For Toshiba](#)

Open TOSHIBA DVD PLAYER HELP TOSHIBA DVD PLAYER features and instructions are also explained in detail in "TOSHIBA DVD PLAYER Help". Use the following procedure to open "TOSHIBA DVD PLAYER Help". ■ Click the "Help" button () in the Display Area.

[Page 125](#) ■ To playback video on external display or TV using "WinDVD BD for TOSHIBA", output devices like display or TV which have RGB or HDCP supported HDMI port. ■...

[Page 126: Media Care](#)

Starting WinDVD BD for TOSHIBA Use the following procedure to start "WinDVD BD for TOSHIBA". 1. When a Blu-ray disc is set in the BD drive, WinDVD BD for TOSHIBA starts automatically. 2. Touch the CD/DVD/BD button on the Front operation panel. Or select...

[Page 127: Modem](#)

To select a region, follow the steps below. 1. Click start All Programs TOSHIBA Networking 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 128: Settings](#)

Operating Basics Settings You can enable or disable the following settings: AutoRun Mode The Region Select utility starts automatically when you start up the operating system. Open the Dialling Properties dialog box after selecting region. The dialing properties dialog box will be displayed automatically after you select the region.

[Page 129: Disconnecting](#)

Operating Basics 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. 1. Pinch the lever on the connector in the telephone jack and pull out the connector.

[Page 130: Using The Fm Tuner](#)

Operating Basics Using the FM tuner The availability of this feature depends on the model you purchased. 1. Plug the FM tuner antenna into the FM Antenna Jack. 1. FM Antenna Jack 2. FM tuner antenna Installing the FM tuner 2.

[Page 131: Wireless Communications](#)

Operating Basics Wireless communications The computer's wireless communication function supports both Wireless LAN and Bluetooth devices. ■ Do not use the Wireless LAN (Wi-Fi) or Bluetooth functionalities near a microwave oven or in areas subject to radio interference or magnetic fields.

[Page 132: Security](#)

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. Bluetooth Stack for Windows by TOSHIBA (depends on the model you purchased) ®...

[Page 133: Wireless Communication Switch](#)

Operating Basics Wireless communication switch You can enable or disable the Wireless LAN function with the on/off switch. No transmissions are sent or received when the switch is off. Slide the Switch to turn it on and turn it off. Set the switch to off in airplanes and hospitals.

[Page 134: Connecting Lan Cable](#)

Operating Basics Connecting LAN cable To connect the LAN cable, follow the steps below. 1. Turn off the power to the computer and to all external devices connected to the computer. 2. Plug one end of the cable into the LAN jack. Press gently until you hear the latch click into place.

[Page 135: Moving The Computer](#)

This computer has a function for reducing the risk of damage on the hard disk drive. Using an acceleration sensor built into the computer, TOSHIBA HDD Protection detects vibration shocks and similar signs of movement of the computer, and automatically moves the Hard Disk Drive head to a safe position to reduce the risk of damage that could be caused by head-to-disk contact.

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

Operating Basics The TOSHIBA HDD Protection function does not guarantee that the hard disk drive will not be damaged. When vibration is detected, a message will be displayed on the screen, and the icon in the Taskbar notification area will changed to the protection state.

[Page 137: Details](#)

Intensely shaking the computer or other subjecting it to strong impacts may cause damage to the computer. Details To open the Details window, click the Setup Detail button in the TOSHIBA HDD Protection Properties window. Detection Level Amplification When the AC adaptor is disconnected or the lid is closed, HDD Detection assumes that the computer will be carried and sets the detection level to the maximum for 10 seconds.

[Page 138: 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, Windows special keys, and cursor control keys.

[Page 139: Soft Keys: Fn Key Combinations](#)

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 140: Hot Keys](#)

The Keyboard Hot keys Mute: Turns the volume on and off. Lock: Enters "Lock computer" mode. To restore your desktop, you need to log on again. Power plan: Displays the power save modes

and lets you change the power settings. Sleep: This hot key switches the system to Sleep Mode.

[Page 141: Fn Sticky Key \(Depends On The Model You Purchased\)](#)

Adobe Reader and the icons on the desktop. Fn Sticky key (Depends on the model you purchased) You can use the TOSHIBA Accessibility Utility to make the Fn key sticky, that is, you can press it once, release it, and then press an "F number" key.

[Page 142: Windows Special Keys](#)

The Keyboard Windows special keys The keyboard provides two keys that have special functions in Windows: Windows logo key activates the start menu and the other, the application key, has the same function as the secondary mouse button. This key activates the Windows start menu. This key has the same function as the secondary mouse button.

[Page 143: 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 the computer and battery tips for saving battery power, and power up modes.

[Page 144: Power Indicators](#)

Power and Power-Up Modes Table Power conditions Power on Power off (no operation) Universal Battery charge is • Operates above low battery • LED: Battery off trigger point adaptor Battery charge is • Operates connected below low battery • LED: Battery flashes amber trigger point Battery charge is •...

[Page 145: 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 146: Real Time Clock Battery](#)

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 147](#) Power and Power-Up Modes The charge in the RTC battery is getting low or has been exhausted. You will need to set the date and time within the BIOS setup using the following steps: 1. Press F2 key - the BIOS setup screen will be displayed. 2.

[Page 148: Care And Use Of The Battery Pack](#)

The battery pack is lithium ion battery, which can explode if not replaced, used, handled or disposed of properly. Dispose of the battery as required by local ordinances or regulations. Use only batteries recommended by TOSHIBA as replacements. ■ Charge the battery pack only in an ambient temperature between 5 and 35 degrees Celsius.

[Page 149: Battery Charging Notice](#)

Power and Power-Up Modes Time The following table shows the approximate time required to fully charge a discharged battery. Charging time (hours) Battery type Power on Power off Battery pack 4-10 hours 4 hours max (6-cell, 12-cell) RTC battery About 24 hours About 24 hours The charging time when the computer is on is affected by ambient temperature, the temperature of the computer and how you use the...

[Page 150: Monitoring Battery Capacity](#)

Power and Power-Up Modes Monitoring battery capacity Remaining battery power can be monitored using the following methods. ■ Clicking the battery icon on the task bar ■ Via the Windows Mobility Center window ■ Wait at least 16 seconds after turning on the computer before trying to monitor the remaining operating time.

[Page 151: 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.
Battery pack Approximately 2 days (6-cell, 12-cell) (Sleep mode, 6-cell) Approximately 3.5 days (Sleep mode, 12-cell) Approximately 1 month (Shut down mode, all type of battery...

[Page 152: 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. The life of the battery pack is generally about 500 recharges. If the Battery indicator flashes orange shortly after fully recharging the battery, the battery pack needs to be replaced.

[Page 153: Installing The Battery Pack](#)

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. If the latch is unintentionally released, you may get injured by the dropped battery.

[Page 154: 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 155: Power-Up Modes](#)

Power and Power-Up Modes Power-up modes The computer has the following power-up modes:
■ Boot Mode: Computer shuts down without saving data. Always save your work before you turn the computer off in boot mode. ■ Hibernation Mode: Data in memory is saved to the hard disk. ■ ...

[Page 156: 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 157: 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 158: Keyboard Backlight](#)

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 159](#) HW Setup SATA eSATA This feature allows you to set conditions of eSATA. Enabled Enables the eSATA port. (Default) Disabled Disables the eSATA port in order to save power. SATA Interface setting This feature allows you to set SATA interface setting. Performance Let HDD/SSD work with maximum performance.

[Page 160: 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) /...

[Page 161: Expresscard](#)

Optional Devices ExpressCard The computer is equipped with an ExpressCard expansion slot that can accommodate two standard module formats: anExpressCard/34 module and an ExpressCard/54 module. An ExpressCard module is a small, modular add-in card technology

based on PCI Express and Universal Serial Bus (USB) interfaces.

[Page 162: Removing An Expresscard](#)

Optional Devices Removing an ExpressCard ■ Before removing an ExpressCard, make sure that any applications or system services are not using the card. ■ Be sure to disable the ExpressCard prior to removing it. Otherwise, the system may be fatally damaged. To remove an ExpressCard, follow the steps below.

[Page 163: Sd/Sdhc/Mmc/Memory Stick / Memory Stick Pro/Xd Memory Cards](#)

Optional Devices 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 allow you to easily transfer data from devices, such as digital cameras and Personal Digital Assistants, which use flash-memory.

[Page 164: Installing A Memory Card](#)

Optional Devices Installing a memory card To install a memory card: 1. Insert the memory card. 2. Press gently to ensure a firm connection. Inserting a memory card Be sure the memory card is oriented properly before you insert it. If Windows fails to read the card, remove it then re-insert it.

[Page 165: Memory Card Care](#)

Optional Devices ■ Make sure the memory card 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 166: 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 167](#) Optional Devices 1. Memory Module Cover Removing the memory module cover 6. 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. Debris on the connectors may cause memory access problems.

[Page 168](#) Optional Devices 1. Slot A 2. Slot B Installing the memory module 8. Seat the cover and secure it with the screws. 9. Replace the battery pack as described in Chapter 6, Power and Power- Modes. 10. Turn the power on and make sure the added memory is recognized. Open System in the Control Panel and click the General tab.

[Page 169: Removing A Memory Module](#)

Optional Devices Removing a memory module Before removing the memory module, make sure the computer is in boot mode. To remove the memory module: 1. Be sure the power is off and all cables are disconnected from the computer. 2. Turn the computer upside down and remove the battery and the screws securing the memory module cover.

[Page 170: Additional Battery Pack](#)

Optional Devices 1. Latches Removing the memory module 6. Seat the cover and secure it with screws. 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 171: External Monitor](#)

Optional Devices External monitor An external analog monitor can be connected to the external monitor port on the computer. The computer supports VGA and Super VGA video modes. To connect a monitor, follow the steps below. The hibernation and sleep feature can be used with an external monitor. Simply enable hibernation and sleep and the computer will maintain the data as it is displayed on the external monitor.

[Page 172: Setting For Display Video On Hdmi](#)

Optional Devices ■ When you connect a television or external monitor to the HDMI port and the display output device is set to HDMI. When you unplug the HDMI cable and re-plug it in please wait at least 5 seconds before you replug the HDMI cable again. ■...

[Page 173: Precautions](#)

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 174](#) Optional Devices 3. Disconnect the cable from the computer then from the i.LINK device. Refer also to the documentation that came with your i.LINK device. Downloaded from LpManual.com Manuals User's Manual 8-15...

[Page 175: Esata \(External Serial Ata\)](#)

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

[Page 176: Disconnecting An Esata Device](#)

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 177: 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 178: 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 179: Hardware And System Checklist](#)

Troubleshooting Software The problems may be caused by your software or disc. If you cannot load a software package, the media may be damaged or the program might be corrupted. Try loading another copy of the software. If an error message appears while you are using a software package, check the software documentation.

[Page 180: Self Test](#)

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 181](#) Troubleshooting AC power If you have trouble turning on the computer with the AC adaptor connected, check the Battery indicator. Refer to Chapter 6, Power and Power-Up Modes for more information. Problem Procedure AC adaptor doesn't Check the connections. Make sure the cord is power the computer firmly connected to the computer and a power outlet.

[Page 182: Disposing Of Pc And Pc Batteries](#)

Troubleshooting Problem Procedure Unplug the AC adaptor and remove the battery to make sure the terminals are clean. If necessary, wipe them with a soft dry cloth dipped in alcohol. Connect the AC adaptor and replace the battery. Make sure it is securely seated. Check the Battery indicator.

[Page 183: Real Time Clock](#)

Troubleshooting ■ Reformating the media ■ Reinstalling an operating system from the recovery CD-ROM The procedures above delete only the initial part of the data used for file management. This makes the file invisible to the operating system, but the data can still be read by specialized utilities. If you dispose of the PC, please delete all the data on its hard disk drive.

[Page 184: Lcd Panel](#)

Troubleshooting LCD panel Apparent LCD problems may be related to the computer's setup. Problem Procedure No display Press hot keys Fn + F5 to change the display priority, to make sure it is not set for an external monitor. Problems above remain Refer to your software's documentation to unresolved or other determine if the software is causing the difficulty.

[Page 185: Solid State Drive](#)

Troubleshooting Solid State drive Problem Procedure There may be a problem with your operating Computer does not boot system files. Refer to your operating system from hard disk drive documentation. Recovery Media Creator Problem Procedure The Recovery Media You will see this message if you have previously Creator can not be chosen to remove the partition and are trying to launched because there...

[Page 186: Bd Drive](#)

Troubleshooting BD 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/BD in the drive Press gently until it clicks into place. Open the drawer and make sure the CD/DVD/BD is properly seated.

[Page 187](#) 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 188: Pointing Device](#)

Troubleshooting Pointing device If you are using a USB mouse, also refer to the USB section in this chapter and to your mouse documentation. 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 return to its operation normal shape and try again to move it.

[Page 189: Usb](#)

Troubleshooting USB mouse 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. Make sure the mouse is properly connected to the USB port.

[Page 190: Usb Sleep And Charge Function](#)

If this function can not be still used, uncheck the "USB Sleep and Charge" check box in the TOSHIBA USB Sleep and Charge Utility and stop using the function. The battery depletes If USB Sleep and Charge function is enabled, the quickly even when I computer's battery will discharge during...

[Page 191: Memory Expansion](#)

The "USB WakeUp When "USB Sleep and Charge function" is set to function" does not work [Enabled] in the TOSHIBA USB Sleep and Charge Utility, the "USB WakeUp function" does not work for ports that support the USB Sleep and Charge function.

[Page 192: 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 193: Lan](#)

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. 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.

[Page 194: 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 195: 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.

[Page 196: 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 below. Outside of Europe In Europe Australia Germany & Austria TOSHIBA Australia Pty. Ltd.

[Page 197: 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 90% 10% to 95% Altitude (from sea 0 to 10,000 feet 0 to 40,000 feet level) Power Requirements AC adaptor...

[Page 198](#) 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 199: 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. A high-resolution external monitor connected to the computer can display up to 2048 horizontal and 1536 vertical pixels at up to 16M colors. The display controller also controls the video mode, which uses industry standard rules to govern the screen resolution and the maximum number of colours that can be displayed on screen.

[Page 200: Wireless Lan](#)

Wireless LAN Appendix C Wireless LAN Card Specifications Form Factor Mini PCI TypeIII Compatibility Wi-Fi ■ 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 201: Radio Characteristics](#)

Wireless LAN Radio Characteristics Radio Characteristics of Wireless LAN Cards may vary according to: ■ Country/region where the product was purchased ■ Type of product Wireless communication is often subject to local radio regulations. Although Wireless LAN wireless networking products have been designed for operation in the license-free 2.4GHz and 5GHz band, local radio regulations may impose a number of limitations to the use of wireless communication equipment.

[Page 202](#) 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 203: Ac Power Cord And Connectors](#)

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 204](#) AC Power Cord and Connectors In Europe, power cords must be VDE type, H05VVH2-F and two conductor. For the United States and Canada, plug configuration must be a 2-15P (250 V) or 1-15P (125 V) as designated in the U.S. National Electrical code handbook and the Canadian Electrical Code Part II.

[Page 205](#) 95°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 computer documentation or visit the Toshiba website at www.pcsupport.toshiba.com for details). CPU performance may also vary from specifications due to design configuration.

[Page 206: 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 207: Hdd Drive Capacity](#)

Disclaimers HDD drive capacity One Gigabyte (GB) means $10 = 1,000,000,000$ bytes using powers of 10. The computer operating system, however, reports storage capacity using powers of 2 for the definition of $1\text{ GB} = 2 = 1,073,741,824$ bytes, and therefore shows less storage capacity.

[Page 208: External Hdd Capacity](#)

Disclaimers External HDD Capacity One Gigabyte (GB) means $10 = 1,000,000,000$ bytes using powers of 10. A computer operating system, however, reports storage capacity using powers of 2 for the definition of $1\text{GB} = 2 = 1,073,741,824$ bytes, and therefore shows less storage capacity. Available storage capacity will also be less if the computer includes one or more pre-installed operating systems, pre-installed software applications, or media content.

[Page 209: Toshiba Pc Health Monitor](#)

■ Once enabled, you may disable the TOSHIBA PC Health Monitor at any time by uninstalling the software via Uninstall a program in the Control Panel. Doing so will automatically delete all collected information from the HDD.

[Page 210: Starting The Toshiba Pc Health Monitor](#)

PC Health Monitor. ■ Click the icon in the notification area, then click the "TOSHIBA PC Health Monitor is not enabled. Please click here for more details." message when it is displayed. This message will no longer be displayed after clicking "Please enable software now"...

[Page 211](#) 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 212](#) Glossary 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 LAN: local area network...

[Page 213](#) 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 214](#) Glossary bootable disk: See system disk. bps: Bits per second. Typically used to describe the data transmission speed of a modem. buffer: The portion of the computer's memory where data is temporarily stored. Buffers often compensate for differences in the rate of flow from one device to another.

[Page 215](#) Glossary COM1, COM2, COM3 and COM4: The names assigned to the serial and communication ports. commands: Instructions you enter at the terminal keyboard that direct the actions of the computer or its peripheral devices. compatibility: 1) The ability of one computer to accept and process data in the same manner as another computer without modifying the data or the media upon which it is being transferred.

[Page 216](#) Glossary device driver: A program (called a "driver") that permits a computer to communicate with a device. dialog box: A window that accepts user input to make system settings or record other information. disable: To turn a computer option off. See also enable. disk drive: The device that randomly accesses information on a disk and copies it to the computer's memory.

[Page 217: Fingerprint Sensor](#)

Glossary erase: See delete. escape: 1) A code (ASCII code 27), signaling the computer that what follows are commands; used with peripheral devices such as printers and modems. 2) A means of aborting the task currently in progress. escape guard time: A time before and after an escape code is sent to the modem which distinguishes between escapes that are part of the transmitted data, and escapes that are intended as a command to the modem.

[Page 218](#) 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 219](#) 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. keyboard: An input device containing switches that are activated by manually pressing marked keys. Each keystroke activates a switch that transmits a specific code to the computer.

[Page 220](#) Glossary main board: See motherboard. megabyte (MB): A unit of data storage equal to 1024 kilobytes. See also kilobyte. megahertz: A unit of wave frequency that equals 1 million cycles per second. See also hertz. memory: Typically refers to the computer's main memory, where programs are run and data is temporarily stored and processed.

[Page 221](#) Glossary OCR: Optical Character Recognition (reader). A technique or device that uses laser or visible light to identify characters and input them into a storage device. online state: A functional state of a peripheral device when it is ready to receive or transmit data.

[Page 222](#) 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 223](#) 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 224](#) Glossary VGA: Video Graphics Array is an industry standard video adaptor that lets you run any popular software. volatile memory: Random access memory (RAM) that stores information as long as power is supplied to the computer. warm start: Restarting or resetting a computer without turning it off. ®...

[Page 225](#) Index Index Express card inserting, 8-2 AC adaptor, 1-5 removing, 8-3 additional, 1-19 Expresscard, 8-2 connecting, 3-2 ASCII characters, 5-5 Floppy disk using, 4-17 Battery Fn + Esc (sound mute), 5-3 charging, 6-6 Fn + F1 (instant security), 5-3 extending battery life, 6-9 Fn

+ F2 (power save mode), 5-3 indicator, 6-1 Fn + F3 (Sleep Mode), 5-3...

[Page 226](#) Power, 9-4 properties menu, 4-38 Real Time Clock, 9-7 region selection, 4-38 Self test, 9-4 Monitor, external, 1-9, 8-12 Sound system, 9-17 Support from TOSHIBA, 9-20 Ports, 1-9 System start-up, 9-3 external monitor, 1-9 USB, 9-14 USB, 1-10 Wireless LAN, 9-18...

[Page 227: Sound System](#)

5-2 ScrLock, 5-2 Sound System, 1-10 Headphone(S/P DIF) jack, 1-11 microphone jack, 1-11 mute hot keys, 5-3 TOSHIBA ConfigFree, 1-18 Touch Pad, 1-9 using, 4-1 USB, 1-10 Video RAM, 1-4 Wireless communication switch, 4-44 indicator, 4-44 Wireless LAN, 1-11 using, 4-42
Downloaded from LpManual.com Manuals...

This manual is also suitable for:

[Qosmio g60](#) [Qosmio x505](#) [Satellite p500d](#) [Satellite p505d](#) [Satellite p507](#) [Satellite p507d](#) ... [Show all](#)