

TOSHIBA

Toshiba PLL3AC-02P014 User Manual

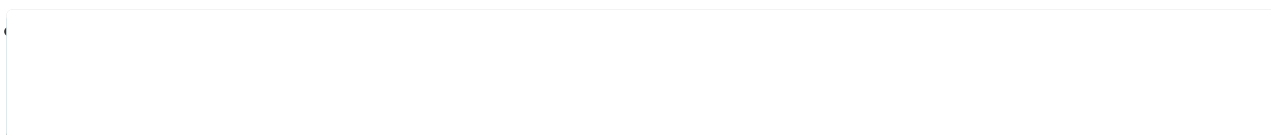
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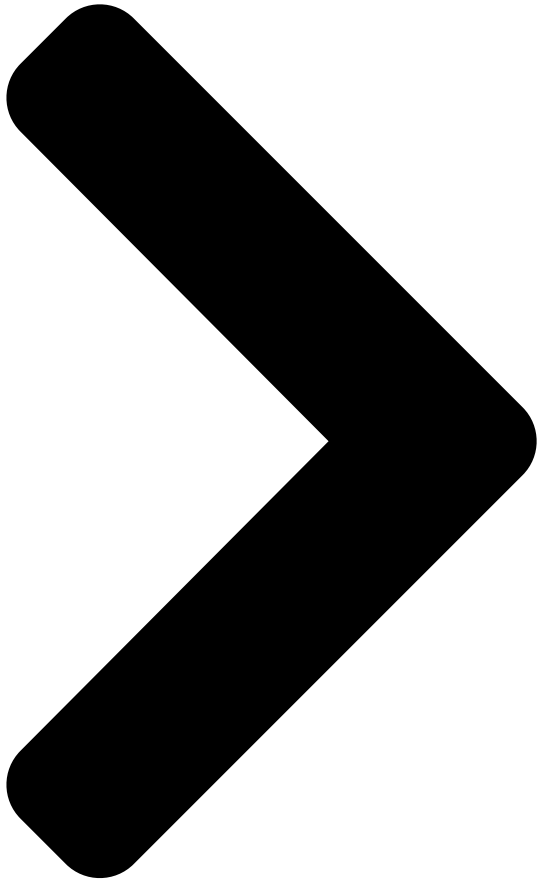
Troubleshooting

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User's Manual

TOSHIBA mini

NB300/NB305

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Related Manuals for Toshiba PLL3AC-02P014

[Laptop Toshiba PLL3AU-02U016 Brochure](#)

Brochure (2 pages)

[Laptop Toshiba NB300 Maintenance Manual](#)

(247 pages)

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

Nb305-n310 user's guide (221 pages)

[Laptop Toshiba NB305-SP2002M User Manual](#)

Nb305-sp2002m user's guide (212 pages)

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

Nb255-n240 user's guide (197 pages)

[Laptop Toshiba NB300 User Manual](#)

(152 pages)

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

Toshiba nb305-n410: user guide (149 pages)

[Laptop Toshiba NB300 Specification](#)

Toshiba laptop user manual (3 pages)

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

Keyboard (silver colored) removal guide (3 pages)

[Laptop Toshiba NB205-N230 User Manual](#)

Nb205-n230 user's guide (210 pages)

[Laptop Toshiba NB205-N310/BN User Manual](#)

Nb205-n310/bn user's guide (207 pages)

[Laptop Toshiba NB505-N500BL User Manual](#)

Nb505-n500bl user's guide (199 pages)

[Laptop Toshiba NB205-N313 User Manual](#)

Toshiba nb205-n313: user guide (144 pages)

[Laptop Toshiba PLUA0C-PT602E User Manual](#)

User manual (236 pages)

[Laptop Toshiba Satellite U200 Series User Manual](#)

U200 user's guide (280 pages)

[Laptop Toshiba Satellite Pro T130-EZ1301 User Manual](#)

Toshiba satellite pro t130-ez1301: user guide (158 pages)

Summary of Contents for Toshiba PLL3AC-02P014

[Page 1](#) User's Manual TOSHIBA mini NB300/NB305 computers.toshiba-europe.com...

[Page 2](#) NB300/NB305 Copyright © 2009 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](#) This product is carrying the CE-Mark in accordance with the related European Directives. Responsible for CE-Marking is TOSHIBA Europe GmbH, Hammfelddamm 8, 41460 Neuss, Germany. The complete and official EU Declaration of Conformity can be found on

TOSHIBA's web site <http://epps.toshiba-teg.com> on the Internet.

[Page 4](#) 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. User's Manual...

[Page 5](#) ENERGY STAR logo on the computer and the following information applies. TOSHIBA is a partner in the ENERGY STAR Program and has designed this computer to meet the latest ENERGY STAR guidelines for energy efficiency.

[Page 6: Following Information Is Only For Turkey](#)

The new European Union (EU) chemical regulation, REACH (Registration, Evaluation, Authorization and Restriction of Chemicals), entered into force on 1 June 2007. Toshiba will meet all REACH requirements and is committed to provide our customers with information about the chemical substances in our products according to REACH regulation.

[Page 7: Table Of Contents](#)

mini NB300/NB305 Table of Contents Introduction Chapter 1 Equipment checklist.....1-1 Features.

[Page 8](#) TOSHIBA Disc Creator

[Page 9](#) TOSHIBA support

[Page 10: Manual Contents](#)

This manual tells how to set up and begin using your TOSHIBA mini NB300/NB305 computer. It also provides detailed information on configuring your computer, basic operations and care, using optional devices and troubleshooting.

[Page 11](#) mini NB300/NB305 Chapter 6, Power and Power-up Modes, gives details on the computer's power resources and battery save modes. Chapter 7, HW Setup and Passwords, explains how to configure the computer using the BIOS Setup program. It also tells how to set a password.

[Page 12](#) mini NB300/NB305 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 13: General Precautions](#)

NB300/NB305 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 14](#) mini NB300/NB305 Creating a computer-friendly environment Place the computer on a flat surface that is large enough for the computer and any other items you are using, such as a printer. Leave enough space around the computer and other equipment to provide adequate ventilation.

[Page 15: Instruction Manual For Safety And Comfort](#)

mini NB300/NB305 Pressure or impact damage Do not apply heavy pressure to the computer or subject it to any form of strong impact as this can damage the computer's components or otherwise cause it to malfunction. Mobile phones Please be aware that the use of mobile phones can interfere with the audio system.

[Page 16: 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, taking care to save the box and packaging materials for future use.

[Page 17: Features](#)

Introduction ■ TOSHIBA ConfigFree™ ■ Online Manual ■ TOSHIBA mini NB300/NB305 User's Manual (This manual) Documentation ■ TOSHIBA mini NB300/NB305 Personal Computer User's Manual ■ Instruction Manual for Safety and Control ■ Warranty information ■ TOSHIBA mini NB300/NB305 Personal Computer Quickstart.

[Page 18: Pointing Device](#)

Introduction Disks Hard disk drive This computer supports SATA 3.0Gbps and is equipped with the following types of hard disk drive(HDD). The capacity of each hard disk drive model is different. ■ ■ 160GB Please note that part of the hard disk drives overall capacity is reserved as administration space.

[Page 19](#) Introduction AC adaptor The AC adaptor provides power to the system and recharges the batteries when they are low. It comes with a detachable power cord which will either have a 2-pin or 3-pin plug enclosure. As the AC adaptor is universal, it can receive a range of AC voltages from 100 to 240 volts, however you should note that the output current varies among different models.

[Page 20](#) Introduction Microphone jack A 3.5mm mini microphone jack enables connection of a three-conductor mini jack for stereo microphone input, and connection of a stereo device for audio input. Communications The computer has built-in support for Ethernet LAN (10 megabits per second, 10BASE-T), Fast Ethernet LAN (100 megabits per second, 100BASE-TX).

[Page 21: Special Features](#)

Special features The following features are either unique to TOSHIBA computers or are advanced features which make the computer more convenient to use. Access each function using the following procedures. *1 To access the Power Options, click Start...

[Page 22](#) Refer to the Using the Hard Disk Drive (HDD) Protection section in Chapter 4, Operating Basics for details. The TOSHIBA HDD Protection function does not guarantee that the hard disk drive will not be damaged. User's Manual...

[Page 23: Utilities And Applications](#)

For further information on their operation, please refer to each utility's online manual, help files or README.TXT file. TOSHIBA ConfigFree TOSHIBA ConfigFree is a suite of utilities that improve the ease and control of communication devices and network connections, help in the...

[Page 24: Options](#)

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 they press one of the "Function"...

[Page 25: 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 26](#) The Grand Tour Power The Power indicator normally glows green when the computer is turned on. However, if you turn the computer off into Standby Mode, this indicator will flash amber - approximately two seconds on, one second off - both while the system is shutting down and while it remains in Standby Mode.

[Page 27: Left Side](#)

The Grand Tour Left side The following figure shows the computer's left side. 1. External monitor port 4. Universal Serial Bus (USB2.0) port 2. LAN jack 5. Bridge media slot 3. Thermal vent holes The left side of the computer External monitor port This port allows you to connect an external monitor to the computer.

[Page 28: Right Side](#)

The Grand Tour Keep foreign metal objects, such as screws, staples and paper clips, out of the USB connectors. Foreign metal objects can create a short circuit, which can cause damage and fire, possibly resulting in serious injury. Please note that it is not possible to confirm the operation of all functions of all USB devices that are available.

[Page 29: Back Side](#)

The Grand Tour DC IN 19V jack The AC adaptor connects to this jack in order to power the computer and charge its internal batteries. Please note that you should only use the model of AC adaptor supplied with the computer at the time of purchase - using the wrong AC adaptor can cause damage to the computer.

[Page 30: Underside](#)

The Grand Tour Underside The following figure shows the underside of the computer. You should ensure that the display is closed before the computer is turned over to avoid causing any damage. 1. Battery safety lock 4. Battery release latch 2.

[Page 31: Front With The Display Open](#)

The Grand Tour Front with the display open This section shows the computer with the display panel open. In order to open the display, lift the display panel up and position it at a comfortable viewing angle for you. 1. Microphone *6.

[Page 32](#) The Grand Tour Microphone A built-in microphone allows you to import and record sounds for your application - please refer to the Using the microphone section in Chapter 4, Operating Basics for more information. Web Camera LED The Web Camera LED glows blue when the Web Camera is working.

[Page 33: Keyboard Indicators](#)

The Grand Tour Keyboard indicators When the CAPS LOCK indicator glows, the keyboard will produce capitals when any letter is typed. 1. CAPS LOCK indicator Keypad indicators CAPS LOCK This indicator glows green when letter keys are locked into their uppercase format. User's Manual...

[Page 34: 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 35: Chapter 3 Getting Started](#)

Getting Started Chapter 3 Getting Started This chapter provides basic information to start 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 36: 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 37](#) Getting Started 1. Connect the power cord to the AC adaptor. Connecting the power cord to the AC adaptor (2-pin plug) Connecting the power cord to the AC adaptor (3-pin plug) Either a 2-pin or 3-pin adaptor/cord will be included with the computer depending on the model.

[Page 38: Opening The Display](#)

Getting Started Opening the display The display panel can be opened to a wide range of angles for optimal viewing. While holding down the palm rest with one hand so that the main body of the computer is not raised, slowly lift the display panel - this will allow the angle of the display panel to be adjusted to provide optimum clarity.

[Page 39](#) Getting Started ■ When opening the panel, please be careful not to force it beyond the point where it moves easily. ■ Be careful not to open the display panel too far as this could put stress on the display panel's hinges and cause damage. ■...

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

Getting Started Turning on the power This section describes how to turn on the power - the Power indicator will then indicate the status. Please refer to the Monitoring of power condition section in Chapter 6, Power and Power-up Modes for more information.

[Page 41: Starting Up For The First Time](#)

Getting Started Starting up for the first time The Microsoft Windows XP Startup Screen will be the first screen displayed when you turn on the power. Follow the on-screen instructions on each screen in order to properly install the operating system. When it is displayed, be sure to read the Software License Terms carefully.

[Page 42: Hibernation Mode](#)

Getting Started Hibernation Mode The Hibernation Mode feature saves the contents of memory to the hard disk drive when the computer is turned off so that, the next time it is turned on, the previous state is restored. Please note that the Hibernation Mode feature does not save the status of any peripheral devices connected to the computer.

[Page 43: Standby Mode](#)

Getting Started Automatic Hibernation Mode The computer can be configured to enter Hibernation Mode automatically. In order to define these settings, you can follow the steps as described below: 1. Open Power Options in Control Panel. (Click Start, click Control Panel, click Performance and Maintenance, and then click Power Options.) 2.

[Page 44](#) Getting Started ■ Before entering Standby Mode, be sure to save your data. ■ Do not install or remove a memory module while the computer is in Standby Mode. The computer or the memory module could be damaged. ■ Do not remove the battery pack while the computer is in Standby Mode (unless the computer is connected to an AC power source).

[Page 45: Restarting The Computer](#)

This partition stores files which can be used to repair the system in the event of a problem. The System Recovery Options feature will be unusable if this partition is deleted. You can use TOSHIBA Recovery Disc Creator when you connect External ODD. User's Manual 3-11...

[Page 46: Creating Recovery Media](#)

Getting Started Creating Recovery Media ■ Be sure to connect the AC adaptor when you create Recovery Media. ■ Be sure to close all other software programs except the Recovery Media Creator. ■ Do not run software such as screen savers which can put a heavy load on the CPU.

[Page 47: Restoring The Preinstalled Software From Your Creating Recovery](#)

1. Load the Recovery Media in the optical disc drive or USB port and turn off the computer's power. TOSHIBA Leading Innovation>>> 2. Turn on the power. When appears, press the F12 key.

[Page 48](#) Getting Started Ordering Recovery Discs from TOSHIBA* You can order Product Recovery discs for your notebook from the TOSHIBA Europe Backup Media Online Shop. * Please note that this service is not free-of-charge. 1. 1. Visit <https://backupmedia.toshiba.eu> on the Internet.

[Page 49: Chapter 4 Operating Basics](#)

Operating Basics Chapter 4 Operating Basics This chapter describes the basic operations of your computer, highlights the precautions that should be taken when using it. Using the Touch Pad To use the Touch Pad, simply touch and move your fingertip across it in the direction you want the on-screen pointer to go.

[Page 50: Usb Sleep And Charge Function](#)

Operating Basics You can also tap the Touch Pad to perform functions similar to those of the left button on a standard mouse. Click: Tap once Double-click: Tap twice Drag and drop: Tap to select the item(s) you want to move, leave your finger on the Touch Pad after the second tap and then move the item(s) to their new...

[Page 51](#) Starting the USB Sleep and Charge Utility To start the utility, click Start All Programs TOSHIBA Utilities USB Sleep and Charge. You can set Typical Mode/Alternate Mode/Disable USB sleep and charge function also in BIOS Setup menu.

[Page 52: Toshiba Disc Creator](#)

AC adaptor is connected. TOSHIBA Disc Creator You can use TOSHIBA Disc Creator when you connect External ODD. Please be aware of the following limitations when you use the TOSHIBA Disc Creator: ■...

[Page 53: Data Verification](#)

TOSHIBA Disc Creator cannot record in packet format. ■ You might not be able to use the "Disc Backup" function of TOSHIBA Disc Creator to back up a DVD-R, DVD-R (Dual Layer), DVD-RW, DVD+R, DVD+R (Double Layer) or DVD+RW disc that was made with other software on a different optical media recorder.

[Page 54: Using The Web Camera](#)

Operating Basics Using the web camera Built-in web camera is provided with some models. This section describes the bundled webcam utility, which can capture still and video images. The web camera will auto-run when Windows starts. If film is stuck, please unstick the protective plastic-film before using the Web Camera.

[Page 55: Using Toshiba Web Camera Application](#)

Operating Basics Using TOSHIBA Web Camera Application TOSHIBA Web Camera Application is pre-configured to start when you turn ® on Windows XP; if you need to restart it go to Start All Programs TOSHIBA Utilities Web Camera Application. 1. Capture Still Images 4.

[Page 56: Using The Microphone](#)

Operating Basics Using the microphone You can use the built-in or an external microphone that connects to the microphone jack to record sounds into your applications. It can also be used to issue voice commands to applications that support such functions. Since your computer has a microphone and speaker, "feedback"...

[Page 57: Bluetooth Wireless Technology](#)

■ TOSHIBA is not liable for the loss of data due to eavesdropping or illegal access through the wireless LAN and the damage thereof. Bluetooth wireless technology Bluetooth™...

[Page 58: Wireless Communication Indicator](#)

Operating Basics Enable/Disable Wireless communication with hot key You can enable or disable Wireless communication (Wireless LAN, Bluetooth) function, with hot keys (FN + F8). No transmissions are sent or received when the wireless communication is turned off. ■ 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 59: Wireless Wan Guide](#)



Limitation of Liability While Toshiba has made every effort at the time of publication to ensure the accuracy of the information herein, product specifications, configurations, system component/options availability are all subject to change without notice.

[Page 60](#) Operating Basics Always make sure the display panel is closed before turning the computer upside down. 3. Turn the computer upside down. 4. Slide the battery safety lock (1) towards the release () position to make the battery release latch movable. 1.

[Page 61](#) Operating Basics 7. Slide your SIM card into the SIM Card Slot with the metal connectors facing up. ■ Never allow metal objects, such as screws, staples and paper clips, to enter the PC. Foreign metal objects can create a short circuit, which can cause PC damage and

fire, possibly resulting in serious injury.

[Page 62: Lan](#)

Operating Basics Disabling or enabling wireless devices Fn + F8: This hot key enables/disables the wireless devices installed in your computer. The wireless modes are:  ■ Enable all Devices: Enables the Wi-Fi, Bluetooth and 3G modules.  ■ Disable all Devices: Disables the Wi-Fi, Bluetooth and 3G modules.

[Page 63: Lan Cable Types](#)

Operating Basics ■ The Wake-up on LAN function consumes power even when the system is off. Leave the AC adaptor connected while using this feature. ■ The Link speed (10/100 megabits per second) changes automatically depending on the network conditions (connected device, cable or noise and so on).

[Page 64: Cleaning The Computer](#)

Operating Basics 1. LAN jack 2. LAN cable Connecting the LAN cable 3. Plug the other end of the cable into a LAN hub connector or router. Check with your LAN administrator and hardware or software vendor before using or configuring a network connection. Disconnecting the LAN cable To disconnect the LAN cable, follow the steps as detailed below: 1.

[Page 65: Moving The Computer](#)

Operating Basics Using the cleaning cloth The cleaning cloth can be used to wipe away dust and fingerprints from the keyboard and palm rest area of your computer. ■ When wiping the keyboard, palm rest and display panel, do so gently without using excessive pressure.

[Page 66: Heat Dispersal](#)

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 be changed to the protection state.

[Page 67: Toshiba Hdd Protection Properties](#)

Operating Basics TOSHIBA HDD Protection Properties You can change the TOSHIBA HDD Protection settings by using the TOSHIBA HDD Protection window. To open the window, click Start Programs TOSHIBA Utilities HDD Protection Settings. The window can also be started from the icon on the Taskbar or from the Control Panel.

[Page 68](#) Operating Basics 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 69: Chapter 5 The Keyboard](#)

The Keyboard Chapter 5 The Keyboard The computer's keyboard layouts are compatible with a 104/105-key enhanced keyboard - by pressing some keys in combination, all of the 104/105-key enhanced keyboard functions can be performed on the computer. The number of keys available on your keyboard will depend on which country/region your computer is configured for, with keyboards being available for numerous languages.

[Page 70: Function Keys: F1](#)

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

[Page 71: Hot Keys](#)

The Keyboard Press FN + F10 or FN + F11 to access the computer's integrated keypad. When activated, the keys with grey markings on their bottom edge become either numeric keypad keys (FN + F11) or cursor control keys (FN + F10). Please refer to the Keypad overlay section in this chapter for more...

[Page 72](#) The Keyboard Hibernate: Pressing FN + F4 switches the system to Hibernation mode. Output: Pressing FN + F5 changes the active display device. Brightness (Down): Pressing

FN + F6 decreases the computer's display panel brightness in individual steps. Brightness (Up): Pressing FN + F7 increases the computer's display panel brightness in individual steps.

[Page 73: Windows Special Keys](#)

Volume up: Pressing FN + 4 to increase the volume in increment. FN Sticky key You can use the TOSHIBA Accessibility Utility to make the FN key sticky, that is, you can press it once, release it, and then press an "F Number"...

[Page 74: Keypad Overlay](#)

The Keyboard Keypad overlay Your computer's keyboard does not have a separate numeric keypad but includes a numeric keypad overlay which functions like one - this is located in the center of the keyboard with the relevant keys having grey letters at their front edge.

[Page 75: Generating Ascii Characters](#)

The Keyboard Temporarily using normal keyboard (overlay on) While using the overlay, you can temporarily access the normal keyboard functions without having to turn the overlay off: 1. Hold FN and press any other key - this key will operate as if the overlay were off.

[Page 76: 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 77: Power Indicators](#)

Power and Power-up Modes Power on Power off (no operation) AC adaptor Battery charge • Operates is above low • LED: Battery off connected battery trigger • DC IN off point Battery charge • Operates is below low • LED: Battery amber and battery trigger blinking point...

[Page 78: Battery Types](#)

Power and Power-up Modes DC IN indicator Check the DC IN indicator to determine the power status with the AC adaptor connected - the following indicator conditions should be noted: Green Indicates the AC adaptor is connected and is correctly supplying power to the computer. No light Under any other conditions, the indicator does not light.

[Page 79](#) Press <F1> to resume, <F2> to Setup. The computer's RTC battery is a lithium 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 80: 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 81: Charging The Batteries](#)

Power and Power-up Modes Charging the batteries When the power in the battery pack becomes low, the Battery indicator will flash amber to indicate that only a few minutes of battery power remain. If you continue to use the computer while the Battery indicator flashes, the computer will enable Hibernation Mode so that you do not lose any data, and automatically turn itself off.

[Page 82: Monitoring Battery Capacity](#)

Power and Power-up Modes The Battery indicator may show a rapid decrease in battery operating time when you try to charge a battery under the following conditions: ■ The battery has not been used for a long time. ■ The battery has completely discharged and been left in the computer for a long time.

[Page 83: Retaining Data With Power Off](#)

Power and Power-up Modes ■ How you use optional devices, such as a USB device, to which the

battery supplies power. ■ Whether you enable Standby Mode, which can conserve battery power if you are frequently turning the computer off and on. ■...

[Page 84: Replacing The Battery Pack](#)

Power and Power-up Modes 5. Charge the battery pack until the Battery indicator glows green. ■ If you have extra battery packs, rotate their use. ■ If you will not be using the system for an extended period, for example for more than one month, remove the battery pack from the computer.

[Page 85](#) Power and Power-up Modes 1. Battery safety lock 3. Battery pack 2. Battery release latch Releasing the battery pack (1) 6. Slide and hold the battery release latch (1) to disengage the battery pack and then remove it from the computer (2). Releasing the battery pack (2) User's Manual 6-10...

[Page 86](#) Power and Power-up Modes To install a battery, follow the steps as detailed below: 1. Insert the battery pack as far as it will go into the computer (1). 2. Ensure that the battery pack is securely in place and the battery safety lock (2) is in its position.

[Page 87: Toshiba Password Utility](#)

Power and Power-up Modes TOSHIBA Password Utility The TOSHIBA Supervisor Password Utility allows you to maintain an additional level of security and provides two levels of password security: User and Supervisor. Passwords set in TOSHIBA Supervisor Password Utility are different from ®...

[Page 88: Power-Up Modes](#)

Power and Power-up Modes If you enter the password incorrectly three consecutive times, the computer shuts down. You must turn on the computer again and re-enter the password. Power-up modes The computer has three power-up modes: ■ Boot: Computer shuts down without saving data. Always save your work before you turn the computer off in boot mode.

[Page 89: Chapter 7 Hw Setup And Passwords](#)

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

[Page 90: User Password](#)

HW Setup and Passwords Setup This field displays BIOS Version and date. When finish BIOS update, please restart your computer and press F2 into BIOS setup manual and load BIOS default one time. Password User Password This option allows you to set or reset the user password for power on. Not Registered Changes or remove the password.

[Page 91: Boot Priority](#)

HW Setup and Passwords If you enter the password incorrectly three times in a row, the computer will shut down. You will not be able to access the password option in the HW Setup. In this case you must turn the power off and back on to retry the procedure. 4.

[Page 92: Wireless Communication Switch](#)

HW Setup and Passwords Legacy USB Support Use this option to enable or disable USB Legacy Emulation. If your operating system does not support USB, you can still use a USB mouse and keyboard by setting the USB Legacy Emulation item to enabled. Enabled Enables the USB Legacy Emulation.

[Page 93: Chapter 8 Optional Devices](#)

Optional Devices Chapter 8 Optional Devices Optional devices can expand the computer's capabilities and its versatility. This chapter describes the connection or installation of the following devices: To connect optional devices (such as USB device or External monitor) to the computer, be sure to check the shape and orientation of the connector before connecting.

[Page 94: Bridge Media Slot](#)

Optional Devices Bridge media slot The computer is equipped with a Bridge media slot that can accommodate some kinds of memory media with various memory capacities so that you can

easily transfer data from devices, such as digital cameras and Personal Digital Assistants.

[Page 95: Additional Memory Module](#)

Optional Devices ■ The SD memory card logo is (■ The SDHC memory card logo is (■ The maximum capacity of SD memory cards is 2GB. The maximum capacity of SDHC memory cards is 32GB. Card Type Capacities 8MB, 16MB, 32MB, 64MB, 128MB, 256MB, 512MB, 1GB, 2GB SDHC...

[Page 96](#) Optional Devices ■ Use only memory modules approved by TOSHIBA. ■ Do not try to install or remove a memory module under the following conditions. a. The computer is turned on. b. The computer was shut down in either Standby or Hibernation Mode.

[Page 97](#) Optional Devices 1. Memory module cover Removing the memory module cover 5. Align the notch of the memory module with that of the memory module slot and gently insert the module into the slot at about a 30 degree angle before holding it down until the latches on either side snap into place.

[Page 98](#) Optional Devices ■ Never allow metal objects, such as screws, staples and paper clips, to enter the computer or keyboard. Foreign metal objects can create a short circuit, which can cause computer damage and fire, possibly resulting in serious injury. ■...

[Page 99: Battery Packs](#)

Optional Devices Removing a memory module To remove the memory module, follow the steps as detailed below: 1. Turn the computer off and remove all cables connected to the computer. 2. Turn the computer upside down and remove the battery pack (refer to Chapter 6, Power and Power-up Modes.)

[Page 100: External Monitor](#)

Optional Devices External monitor An external analog monitor can be connected to the computer's external monitor port. In order to connect a monitor, follow the steps as detailed below: 1. Connect the monitor cable to the external monitor port. 1. External Monitor port 2.

[Page 101: Security Lock](#)

Optional Devices Security lock A security locks enable you to anchor your computer to a desk or other heavy object in order to help prevent unauthorized removal or theft. The computer has a security lock slot on its right side into which you can attach one end of the security cable, while the other end attaches to a desk or similar object.

[Page 102: 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 103: Analyzing The Problem](#)

Troubleshooting ■ Inspect all connecting cables for loose wires and all connectors for loose pins. ■ Check that your diskette is correctly inserted and that the diskette's write protect tab is correctly set. Make notes of your observations and keep them in a permanent error log. This will help you describe your problems to your dealer.

[Page 104: Hardware And System Checklist](#)

When the computer starts up, the self-test will be run automatically, and the following will be displayed: TOSHIBA Leading Innovation>>> This message remains on the screen for a few seconds. If the self test is successful, the computer tries to load the operating system.

[Page 105: Overheating Power Down](#)

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

[Page 106](#) Troubleshooting Problem Procedure Check whether the battery is hot or cold to the touch. If the battery is too hot or too cold, it will not charge properly. Make it reach room temperature. Unplug the AC adaptor and remove the battery to make sure the terminals are clean.

[Page 107: Hard Disk Drive](#)

Troubleshooting 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. See your software's documentation. If you are still unable to use the keyboard, consult your dealer LCD panel Apparent LCD problems may be related to the computer's setup.

[Page 108: Touch Pad](#)

Troubleshooting Pointing device If you are using a USB mouse, also refer to the section in this chapter and to your mouse documentation. Touch Pad Problem Procedure On-screen pointer The system might be busy. If the pointer is does not respond to shaped as an hourglass, wait for it to resume its Pad operation normal shape and try again to move it.

[Page 109](#) Troubleshooting Problem Procedure 1. Open the Control Panel and Printers and Other Hardware, select the Mouse icon and press Enter. 2. Click the Buttons tab. 3. Set the double-click speed as instructed and click OK. The mouse pointer Try changing the speed setting in the mouse moves too fast or too control utility.

[Page 110: Sound System](#)

Troubleshooting Problem Procedure No display Try adjusting the contrast and brightness controls on the external monitor. Press hot keys FN + F5 to change the display priority and make sure it is not set for the internal display. Display error occurs Check that the cable connecting the external monitor to the computer is attached firmly.

[Page 111](#) Check the "USB Sleep and Charge" check box to enable this function in the TOSHIBA USB Sleep and Charge Utility. 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 112](#) TOSHIBA USB Sleep and Charge Utility. The "USB WakeUp When "USB Sleep and Charge function" is function" does not enabled in the TOSHIBA USB Sleep and Charge work Utility, the "USB WakeUp function" does not work for ports that support the USB Sleep and Charge function.

[Page 113: Toshiba Support](#)

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

[Page 114: 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 location listed in the enclosed warranty booklet or visit <http://www.toshiba-europe.com> on the Internet. User's Manual...

[Page 115: Chapter 10 Legal Footnotes](#)

5°C to 35°C (41°F to 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 PC documentation or visit the Toshiba website at <http://www.pcsupport.toshiba.com> for details).

[Page 116: Memory \(Main System\)*2](#)

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 117: Wireless Lan*7](#)

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

[Page 118](#) Appendixes Table of Contents Specifications.....A-1 Appendix A Display Controller..... B-1 Appendix B Wireless LAN..... C-1 Appendix C AC Power Cord and Connectors.....D-1 Appendix D If your computer is stolen.....E-1 Appendix E User's Manual Appendixes-1...

[Page 119: Appendix A Specifications](#)

Specifications Appendix A Specifications This appendix summarizes the computer's technical specifications. Physical Dimensions Size With 3 cell Battery 266(w) × 192.3(d) × 24.2(front) × 30.8(rear) millimeters (not including parts that extend beyond the main body) With 6 cell Battery 266(w) × 192.3(d) × 24.2(front) × 36.4(rear) millimeters (not including parts that extend beyond the main body) Environmental requirements...

[Page 120: Appendix B Display Controller](#)

Display Controller Appendix B Display Controller Display controller The display controller interprets software commands into hardware commands that turn particular pixels on or off. A high-resolution external monitor connected to the computer can display up to 1400 horizontal and 1050 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 colors that can be displayed on screen.

[Page 121: Appendix C Wireless Lan](#)

Wireless LAN Appendix C Wireless LAN This appendix is intended to help you get your Wireless LAN network up and running, with a minimum of parameters. Card Specifications Form Factor ■ Mini Card Compatibility ■ IEEE 802.11 Standard for (Revision b,g and n) Wireless LANs ■...

[Page 122](#) Subject to the radio regulations that apply in your country/region, 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 your country/region.

[Page 123: Appendix Dac Power Cord And Connectors](#)

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

[Page 124](#) AC Power Cord and Connectors The following illustrations show the plug shapes for USA, Australia Canada, United Kingdom, Europe, and China. United Kingdom UL approved BS approved Australia Europe AS approved Approved by the appropriate agency Canada China CSA approved CCC approved User's Manual...

[Page 125: Appendix E 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 126: 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. mini NB300/ NB305) Model number: (e.g. PSA30EYXT) Serial number: (e.g.

[Page 127](#) 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 ASCII:

American Standard Code for Information Interchange BIOS: basic input/output system bps: bits per second CD: compact disc...

[Page 128](#) Glossary IrDA: Infrared Data Association IRQ: interrupt request KB: kilobyte LAN: local area network LCD: liquid crystal display LED: light emitting diode MB: megabyte MMC: multi media card OCR: optical character recognition (reader) PCB: printed circuit board PCI: peripheral component interconnect RAM: random access memory RGB: red, green, and blue ROM: read only memory...

[Page 129](#) 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 adaptor can take a number of forms, from a microprocessor to a simple connector: An intelligent adaptor (one that is capable of doing some processing) may also be called a controller.

[Page 130](#) Glossary Bluetooth: A short-range radio technology designed to simplify wireless communication among computers, communication devices and the Internet. board: A circuit board. An internal card containing electronic components, called chips, which perform a specific function or increase the capabilities of the system. boot: Short for bootstrap.

[Page 131](#) Glossary chip: A small semiconductor containing computer logic and circuitry for processing, memory, input/output functions and controlling other chips. click: To press and release the pointing device's primary button without \otimes moving the pointing device. In the Windows operating system, this refers to the pointing device's left button, unless otherwise stated.

[Page 132](#) Glossary cursor: A small, blinking rectangle or line that indicates the current position on the display screen. data: Information that is factual, measurable or statistical that a computer can process, store, or retrieve. data bits: A data communications parameter controlling the number of bits (binary digits) used to make up a byte.

[Page 133](#) Glossary driver: A software program, generally part of the operating system, that controls a specific piece of hardware (frequently a peripheral device such as a printer or mouse). DVD: An individual digital versatile (or video) disc. See also DVD-ROM. DVB-T (Digital Video Broadcasting - Terrestrial): Also known as terrestrial digital TV.

[Page 134](#) Glossary fast infrared: An industry standard that enables cableless infrared serial data transfer at speeds of up to 4 Mbps. file: A collection of related information; a file can contain data, programs, or both. fingerprint sensor: The fingerprint sensor compares and analyzes the unique characteristics in a fingerprint.

[Page 135](#) Glossary hertz: A unit of wave frequency that equals one cycle per second. host computer: The computer that controls, regulates, and transmits information to a device or another computer. hot key: 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.

[Page 136](#) Glossary kilobyte (KB): A unit of data storage equal to 1024 bytes. See also byte and megabyte. 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.

[Page 137](#) Glossary monitor: A device that uses rows and columns of pixels to display alphanumeric characters or graphic images. See also CRT. motherboard: A name sometimes used to refer to the main printed circuit board in processing equipment. It usually contains integrated circuits that perform the processor's basic functions and provides connectors for adding other boards that perform special functions.

[Page 138](#) 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 139](#) Glossary Random Access Memory (RAM): Volatile memory that can be written to as well as read. Volatile here means that information in RAM is lost when you turn off your computer. This type of memory is used for your computer's main memory. See also memory.

Compare ROM resolution: A measure of the sharpness of the images that can be produced by a printer or displayed on a screen.

[Page 140](#) 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.

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This manual is also suitable for:

[P113au-00k00cP113au-02u016P113au-02y016Nb305-n411blMini nb300Mini nb305](#)