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Toshiba A200 Series User Manual

Toshiba portable personal computer user's manual

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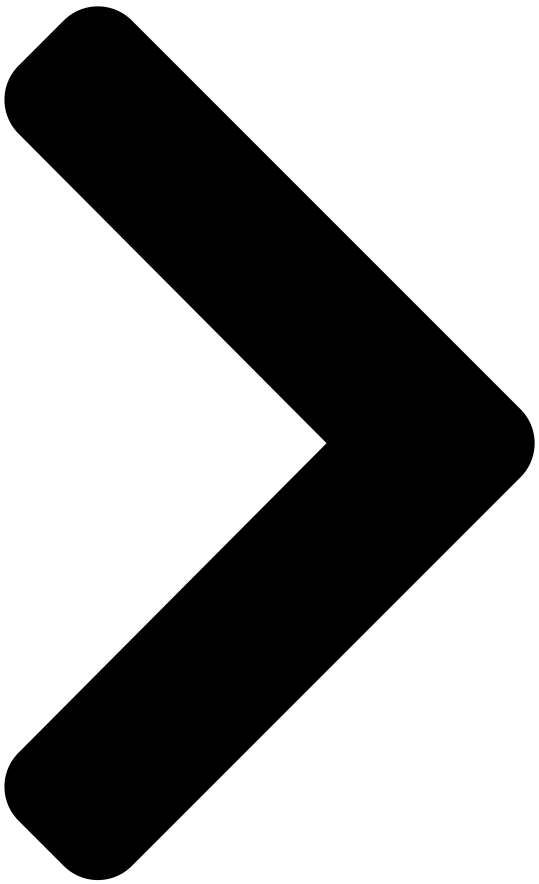

User's Manual

A200

computers.toshiba-europe.com

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Personal computer (342 pages)

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A205-s5800 user's guide (245 pages)

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Laptop Toshiba Satellite A200-0MD00X Resource Manual

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Laptop Toshiba Satellite A200-ST2041 Series Specifications

Toshiba satellite a200-st2041: specifications (8 pages)

Desktop Toshiba Satellite A300 Maintenance Manual

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Personal computer (202 pages)

Desktop Toshiba Satellite M45 Maintenance Manual

Personal computer (284 pages)

Summary of Contents for Toshiba A200 Series

Page 1 User’s Manual A200 computers.toshiba-europe.com...

Page 2 Disclaimer This manual has been validated and reviewed for accuracy. The instructions and descriptions it contains are accurate for the A200 series Portable Personal Computers at the time of this manual’s production. However, succeeding computers and manuals are subject to change without notice.

Page 3: Safety Instructions

115V/60Hz in most of North and South America and some Far Eastern countries such as Taiwan. 100 V/50Hz in eastern Japan and 100 V/60Hz in western Japan. 230 V/50 Hz in most of Europe, the Middle East, and the Far East. User’s Manual A200...

Page 4 Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning. User’s Manual A200...

Page 5: Eu Declaration Of Conformity

Use of the wrong battery could damage your computer. TOSHIBA assumes no liability for any damage in such case. EU Declaration of Conformity TOSHIBA declares, that the product: A200 conforms to the following Standards: This product is labelled with the CE Mark in accordance with the related...

Page 6 Optical Disc Drive Safety Instruction A A200 computer is shipped with one of the following drives preinstalled: DVD-ROM, CD-RW/DVD-ROM, or DVD Super Multi (+-R DL) drive. The optical disc drive employs a laser system. To ensure proper use of this product, please read this instruction manual carefully and retain for future reference.

Page 7 TS-L-462D CD-RW/DVD ROM DW-224E DVD Super Multi (±R Double Layer) DVR-K17 DVD Super Multi (±R Double Layer) TS-L632 DVD Super Multi (±R Double Layer) GSA-T20N DVD Super Multi (±R Double Layer) UJ-850U DVD Super Multi (±R Double Layer) DV-W28EC A200...

Page 8: General Precautions

ATAAB AN005, AN006 and GR01, 02, 03, 04 ATAAB AN001, 005, 006, 007, 011 and P03, 04, 08, 10 ATAAB AN005, 007, 012, and ES01 ATAAB AN002 ATAAB AN002, 005, 007 and NO 01, 02 ATAAB AN003, 004 A200 viii...

Page 9 Instruction Manual for Safety and Comfort All important information on the safe and proper use of this computer is described in the enclosed Instruction Manual for Safety and Comfort. Be sure to read it before using the computer. User’s Manual A200 Getting Started,...

Page 10: Table Of Contents

Table of Contents A200 Features Chapter 1 Features.....1-1 Special features .

Page 11 HW Setup Window .....7-1 User’s Manual A200...

Page 12 LCD Brightness and Eye Strain.....10-3 Specifications Appendix A Display Modes Appendix B AC Power Cord and Connectors Appendix C If your computer is stolen Appendix D Glossary User’s Manual A200...

Page 13 This manual tells how to set up and begin using your A200 computer. It also provides detailed information on configuring your computer, basic operations and care, using optional devices and troubleshooting.

Page 14: Key Operation

When procedures require an action such as clicking an icon or entering text, the icon's name or the text you are to type in is represented in the type face you see to the left. A200...

Page 15: Equipment Checklist

Carefully unpack your computer. Save the box and packing materials for future use. Check to make sure you have all the following items: Hardware A200 Series Portable Personal Computer Universal AC Adapter and Power Cord USB Floppy Disk Drive (provided with some models)

Page 16 TOSHIBA SD Memory Utilities. When uninstalling the SD utilities, click Start Control Panel Memory Utilities. Documentation Your computer's documentation: A200 Series Personal Computer User's Manual A200 Series Quickstart Microsoft models) Instruction Manual for Safety & Comfort Warranty Information Backup media and additonal Software...

Page 17: Chapter 1 A200 Features

A200 Features This chapter identifies the computer's special features, options and accessories. 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. Features Please visit your region's web site for the configuration details of the model that you have purchased.

Page 18 Depending on the model you purchased: NVIDIA GeForce Go 7300, up to 256MB VRAM (GDDR2) 1MB Flash ROM for system BIOS Suspend to memory or hard disk drive Various Hotkey functions for system control Complete ACPI 1.0b functionality A200 Features M processor with 1MB...

Page 19 The universal AC adapter provides power to the system and recharges the batteries when they are low. It comes with a detachable power cord. External USB Floppy Disk Drive (depends on the model purchased) A200 Features...

Page 20 The graphics controller maximizes display performance. Refer to Appendix B for more information. Disclaimers 9.5mm 2.5" hard disk drive (60/80/120/160/200 + 200 GB) 12.5mm 2.5" hard disk drive (250/300 GB) Serial ATA 1.0 A200 Features Display Modes section in section in Chapter 10.

Page 21 This port enables high-speed data transfer directly from external devices such as digital video cameras. The 4-pin S-Video port is compatible with PAL or NTSC TV standard, supporting Macrovision 7.02 copy protection. Record/Send still or video images with this integrated Web Camera. A200 Features...

Page 22: Security Lock Slot

Power-on password protection Two level password architecture Receives an optional security lock in order to anchor the computer to a desk or other large, heavy object. A200 Features compatible sound...

Page 23: Special Features

Power Options. When battery power is exhausted to the point that computer operation cannot be continued, the system automatically enters Hibernation Mode and shuts itself down. You can specify the setting in the Power Options. A200 Features section in Chapter 5,...

Page 24: Toshiba Value Added Package

Hot key function TOSHIBA utility launcher function TOSHIBA Components Common Driver contains the module required for the utility which TOSHIBA offers. A200 Features Turning Getting...

Page 25: Utilities And Applications

TOSHIBA DVD-RAM Utility has the function of Physical Format and Write-Protect to DVD-RAM. This utility is contained the setup module of TOSHIBA Disc Creator. You can boot TOSHIBA DVD-RAM Utility from the menu bar as follows. Start All Programs TOSHIBA Applications DVD-RAM Utility. A200 Features CD&DVD...

Page 26: Options

An additional battery pack can be purchased from your TOSHIBA dealer. Use it as a spare to increase your computer operating time. An additional battery pack can be purchased from your TOSHIBA dealer. Use it as a spare to increase your computer operating time. A200 Features 1-10...

Page 27 AC adapter for each site so you will not have to carry the adapter with you. Lets you attach a floppy disk drive to your computer by means of a USB cable. A200 Features 1-11...

Page 28: Chapter 2 The Grand Tour

The Grand Tour This chapter identifies the various components of your computer. Become familiar with each component before you operate the computer. Certain types of notebook chassis are designed to accommodate all possible configurations for an entire product series. Your selected model may not have all the features and specifications corresponding to all of the

icons or switches shown on the notebook chassis, unless you have selected all those features.

Page 29

DC IN LED Power LED Battery LED Hard Disk Drive LED Multiple Digital Media Card Slot Access LED* Wireless Communication Switch* Wireless Communication LED* Multiple Digital Media Card Slot* Microphone Jack User’s Manual The DC IN LED indicates the computer is connected to the AC adapter and it is plugged into an AC power source.

Page 30: Right Side

Headphone Jack Volume Control Right side The following figure shows the computer's right side. Universal Serial Bus (USB) Ports Modem Jack* Optical Disc Drive Optical Disc Drive LED * The availability of this feature is dependent on the model you purchased. Univesal Serial Bus (USB) Ports Modem Jack*...

Page 31: Left Side

Optical Disc Drive Eject Button Emergency Eject Hole A back-up for the Eject Button. DC IN Jack Security Lock Left side The following figure shows the computer's left side. RGB Monitor Port Fan Vents TV Out Port* LAN Jack * The availability of this feature is dependent on the model you purchased. RGB Monitor Port Fan Vents To prevent possible over heating of the CPU, never block the fan vent.

Page 32: Back Side

LAN Jack Universal Serial Bus (USB) Ports Express Card Slot for Cardbus Card Slot* i.LINK (IEEE1394a) Port Back side The following figure shows the computer back panel. User’s Manual This jack lets you connect to a LAN. The adapter has built-in support for Ethernet LAN (10 Mbps, 10BASE-T), Fast Ethernet LAN (100 Mbps, 100BASE-TX).

Page 33: Underside

Underside The following figure shows the underside of the computer. Make sure the display is closed before turning over your computer. Expansion Memory Socket HDD1 HDD2* Battery Pack Lock Battery Pack Battery Pack Latch User’s Manual Expansion Memory Socket HDD1 Battery Pack Lock Battery Pack The bottom of the computer...

Page 34: Front With The Display Open

Fan Vent To prevent possible overheating of the CPU, never block the fan vents. Front with the display open The following figure shows the front of the computer with the display open. To open the display, push the latch on the front of the display and lift it up. Position the display at a comfortable viewing angle.

Page 35

To prolong the life of your display screen, use a screen saver when you're not using the computer and it is idle. Left and Right Speakers TouchPad/Dual Mode TouchPad Control Buttons Power Button Internet Button* CD/ DVD button* Play/Pause Button* Stop* Previous Button* User’s Manual...

Page 36: Keyboard Indicators

Next Button* Web Camera Power LED* Web Camera* If Random or Shuffle is selected in Windows or Previous advances to a random selection. Keyboard Indicators Arrow Mode Numeric Mode Caps Lock User’s Manual Skips forward to the next track, chapter or digital file.

Page 37: Optical Disc Drive

Optical Disc drive The computer has a dual layer DVD Super Multi drive supporting ±R Double Layer. An ATAPI interface controller is used for the operation of these optical drives. When the computer is accessing a disc, an indicator on the drive glows. Region codes for DVD drives and media The disc drive and its media are manufactured according to the specifications of six marketing regions.

Page 38: Ac Adapter

DVD Super Multi drive supporting ±R Double Layer The full-size DVD Super Multi drive supporting ±R Double Layer module lets you record data to rewritable discs as well as run either 12cm (4.72") or 8cm (3.15") discs without using an adapter. The read speed is slower at the centre of a disc and faster at the other edge.

Page 39

The Grand Tour AC Adapter (3-pin plug) Use of the wrong adapter could damage your computer. TOSHIBA assumes no liability for any damage in such case. The output rating for the computer is 19 volts DC. Please use only the AC Adapter supplied with the computer or an AC adapter certified by TOSHIBA.

Page 40: Chapter 3 Getting Started

Getting Started This chapter provides basic information to get you started using your computer. It covers the following topics: Be sure also to read Instruction Manual for Safety & Comfort. This guide, which is included with the computer, explains product liability. Connecting the AC adapter Opening the display Turning on the power...

Page 41: Opening The Display

1. Connect the power cord to the AC adapter. 2. Connect the DC output plug on the AC adapter to the DC IN input port on the back of the computer. 3. Plug the power cord into a live wall outlet. The Battery and DC IN indicators on the front of the computer should glow.

Page 42: Turning On The Power

2. 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. Turning on the power This section describes how to turn on the power.

Page 43: Turning Off The Power

Turning off the power The power can be turned off in one of three modes, either Shutdown (Boot) Mode, Hibernation Mode or Sleep Mode. Shut Down mode (Boot mode) When you turn off the power in Shut Down mode no data will be saved and the computer will boot to the operating system's main screen the next time it is turned on.

Page 44

When the AC adaptor is connected, the computer will go into Sleep Mode according to the settings in the Power Options. To restore the operation from the computer from Sleep Mode, press the power button or press any key. Please be aware that this latter action only works on the internal keyboard if the.

Page 45: Hibernation Mode

3. Press the power button. Please note that this feature must be enabled - please refer to the Power Options (to access it, click Start followed by Control Panel followed by System and Maintenance and then click the Power Options then select Choose what closing the lid does). When you turn the power back on, you can continue where you left when you shutdown the computer.

Page 46: Restarting The Computer

Starting Hibernation Mode You can also enable Hibernation Mode by pressing Fn + F4 - please refer to Chapter 5, To enter Hibernation Mode, follow the steps below. 1. Click Start. 2. Click the arrow button (3. Select Hibernate from the menu. Automatic Hibernation Mode The computer can be configured to enter Hibernate Mode automatically when you press the power button or close the lid.

Page 47: System Recovery Options

3. Press the power button and hold it down for five seconds. Once the computer has turned itself off, wait between ten and fifteen seconds before turning the power on again by pressing the power button. System Recovery Options About 1.5GB hidden partition is allocated on the hard disk drive for the System Recovery Options.This partition stores files which can be used to repair the system in the event of a problem.

Page 48: Restoring The Preinstalled Software From The Product Recovery Disc

Restoring the preinstalled software from the Product Recovery disc If preinstalled files are damaged, use the Product Recovery disc to restore them. To restore the operating system and all preinstalled software, follow the steps below. When you reinstall the Windows operating system, the hard disk will be reformatted and all data will be lost.

Page 49: Chapter 4 Operating Basics

Operating Basics This chapter gives information on basic operations including using the TouchPad/Dual Mode Pad, optical disc drives, the internal modem, LAN and wireless LAN. It also provides tips on caring for your computer and on heat dispersal. Using the TouchPad/Dual Mode Pad To use the TouchPad/Dual Mode Pad, simply move your finger tip across it in the direction you want the on-screen pointer to go.

Page 50: Dual Mode Pad Button Function (Dual Mode Pad Is Provided With Some Models)

Do not press on the TouchPad/Dual Mode Pad too hard or press a sharp object such as a ball point pen against it. The TouchPad/Dual Mode Pad could be damaged. The TouchPad/Dual Mode Pad has similar functions to a two-button mouse with a scroll wheel.

Page 51: Using The Web Camera

ConfigFree Windows Vista Photo Gallery Application buttons Please refer to "Properties for synaptics Dual Mode Pad" for details. Using the Web Camera This section describes the bundled Web Camera utility, which can capture still and video images. The web camera will auto-run when Windows starts. User’s Manual ConfigFree is a suite of utilities to allow easy control of communication devices and network...

Page 52: Using The Software

Using the software The web camera software is pre-configured to start when you turn on Windows Vista; if you need to restart it go to Start Assistant Software Capture Still Images Video Recording Audio Recording Function About Player Effects Properties User’s Manual Camera Assistant Software.

Page 53: Using The Internal Modem

Settings Help Using the internal modem This section describes how to setup the modem and use it to connect to other computer systems. Refer to the computer's online help files and the online help files for your modem software, for more information. The internal modem does not support the voice functions described in the help files.

Page 54: Region Selection

Region selection Telecommunication regulations vary from one country/region to another, so you will need to make sure the internal modem's settings are correct for the country/region in which it will be used. 1. Open the Modem Region Select application. It is located on the Programs menu at TOSHIBA Do not use the Country/Region Select function in the Modem setup utility in the Control Panel if the function is available.

Page 55: Modem Selection

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

Page 56: Lan

1. Plug one end of the modular cable into the modem jack. 2. Plug the other end of the modular cable into a telephone jack. Do not pull on the cable or move the computer while the cable is connected. If you find that the modem speed is low or communication is interrupted when you are using the modem, please set the CPU speed to Maximum within the Power Options.

Page 57: Wireless Lan

Connecting the LAN cable The computer must be configured properly before connecting to a LAN. Logging onto a LAN using the computer's default settings could cause a malfunction in LAN operation. Check with your LAN administrator regarding set-up procedures. If you are using Ethernet LAN (10 Mbps, 10BASE-T), you can connect using either a CAT5 or a CAT3 cable.

Page 58

Frequency Channel Selection (2.4 GHz or 5 GHz) Roaming over multiple channels Card Power Management Wired Equivalent Privacy (WEP) data encryption 11a, 11b, 11g and 11n wireless are based on IEEE 802.11a, 802.11b, 802.11g and 802.11n respectively. The IEEE

802.11n specification has not been finalized and is currently in draft release.

Page 59: Bluetooth Wireless Technology

Bluetooth wireless technology Bluetooth™ wireless technology eliminates the need for cables between electronic devices such as desktop computers, printers and mobile phones. Bluetooth wireless technology has the following features: Worldwide operation The Bluetooth radio transmitter and receiver operate in the 2.4 GHz band, which is license-free and compatible with radio systems in most countries in the world.

Page 60: Using Optical Disc Drives

Product Support: The latest information regarding Operating System support, Language Support or available upgrades can be found on our web site http://www.toshiba-europe.com/computers/tnt/bluetooth.htm http://www.pcsupport.toshiba.com 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 forward to turn it on and backward to turn it off.

Page 61

Loading optical disc media To load a disc, follow the steps below. 1. Turn on the power. 2. a. Press the eject button to open the drawer slightly. b. Pressing the eject button will not open the drawer when the computer's power is off.

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4. Lay the disc, label side up, in the drawer. Be careful not to touch the lens or the area around it. Doing so could cause the drive to malfunction. 5. Press gently at the center of the disc until you feel it click into place. The disc should lie below the top of the spindle, flush with its base.

Page 63: Removing Compact Discs

Removing compact discs To remove the disc, follow the steps below. Do not press the eject button while the computer is accessing the disc drive. Wait for the optical disc indicator to go out before you open the drawer. Also, if the disc is spinning when you open it, wait for it to stop before you remove it.

Page 64: Writing Cds/Dvds On A Dvd Super Multi Drive Supporting Double Layer Disc Recording

3. Change function of Buttons. CD/DVD play control buttons In addition to the power button, the following four buttons control functions relating to the playback of optical media and digital audio data: Play/Pause Stop Next Previous If Random or Shuffle is selected in Windows Media Player, selecting Next or Previous advances to a random selection.

Page 65: Before Writing Or Rewriting

Any change or loss of the recorded contents of CD-R/RW or DVD-R/- RW/ +R/+RW /-RAM media that may be caused by writing or rewriting with this product, or for any business profit loss or business interruption that may be caused by the change or loss of the recorded contents. Damage that may be caused by using third party equipment or software.

Page 66

*DVD-RAM DVD+R (Double Layer) DVD-R (Dual Layer) DVD-R DVD+R If the disc is poor in quality, dirty or damaged, writing or rewriting errors may occur. Be careful to check the disc for dirt or damage before you use it. The actual number of rewrites to CD-RW or DVD-RW/+RW/-RAM is affected by the quality of the disc and the way it is used.

Page 67: When Writing Or Rewriting

DVD-RAM formatted by FAT32 cannot be read in Windows 2000 without DVD-RAM Driver Software. When multiple drives that can write data to discs are connected, be careful not to write to the wrong drive. Be sure to connect the universal AC adapter before you write or rewrite. Before you enter Sleep/Hibernation Mode, be sure to finish DVD-RAM writing.

Page 68: When Using Ulead Dvd Moviefactory® For Toshiba

Set the computer on a level surface and avoid places subject to vibration such as airplanes, trains or cars. Do not use an unstable surface such as a stand. Keep mobile phones and other wireless communication devices away from the computer. Always copy data from the hard disk drive to the CD.

Page 69: How To Learn More About Ulead Dvd Moviefactory

Simplified steps for making a DVD-Video from adding a video source: 1. Click Start Ulead DVD MovieFactory for TOSHIBA Launcher to launch DVD MovieFactory. 2. Click Video Disc project type, then invoke DVD MovieFactory. 3. Add source from HD Disk by click Add Video files button to invoke browser dialog box.

Page 70: Toshiba Disc Creator

2. Before recording the video to DVD: When you record to DVD disc, please use only discs recommended by the Drive manufacturer. Do not set the working drive to a slow device like a USB 1.1 hard disk drive or it will fail to write DVD. Do not perform any of the following actions: Operate the computer for any other function, including using a mouse or TouchPad/Dual Mode Pad or closing/opening the LCD...

Page 71: Data Verification

You cannot back up a CD-ROM or CD-R/RW to DVD-R/-RW or DVD+R/+RW using the Disc Backup function of TOSHIBA Disc Ceator You cannot back up DVD-ROM, DVD-Video or DVD-R/-RW or DVD+R/+RW to CD-R/RW using TOSHIBA Disc Ceator TOSHIBA Disc Ceator cannot record in packet format. You might not be able to use the Disc Backup function of TOSHIBA Disc Ceator to backup a DVD-R/-RW or DVD+R/+RW disc that was made with other software on a different DVD-R/-RW or DVD+R/+RW...

Page 72: Media Care

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

Page 73: Tv-Out

TV-Out Use the TV-Out port to connect to a television. Be sure to use a 4 pin type S-video cable. For more details, see Appendix B, Setting up more than one display You can set up your computer to utilize more than one display, effectively spreading a single desktop screen across two monitors.

Page 74: Cleaning The Computer

Cleaning the computer To help ensure long, trouble-free operation, keep the computer free of dust and use care with liquids around the computer. Be careful not to spill liquids into the computer. If the computer does get wet, turn the power off immediately and let the computer dry completely before you turn it on again.

Page 75: Chapter 5 The Keyboard

The Keyboard The computer's keyboard layouts are compatible with a 104/105-key enhanced keyboard. By pressing some keys in combination, all the 104/105-key keyboard functions can be executed on the computer. The number of keys on your keyboard depends on which country/region's keyboard layout your computer is configured with.

Page 76: F1 ... F12 Function Keys

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 are dark gray, but function differently from the other dark gray keys. F1 through F12 are called function keys because they execute programmed functions when pressed.

Page 77: Hotkeys

Press Fn + Ctrl to simulate the enhanced keyboard's right Ctrl key. Hotkeys Fn + ESC Fn + F1 Fn + F2 Fn + F3 Fn + F4 Fn + F5 Default resolution for simultaneous mode is set to WXGA (1280 × 800). If you connect an RGB (Monitor) that is not WXGA resolution, change it in "Display Properties".

Page 78: Windows Special Keys

Fn + 1 Fn + 2 Windows special keys The keyboard provides two keys that have special functions in Windows Vista™. One activates the Start menu and the other has the same function as the secondary mouse button. This key activates the Windows Vista™ Start menu. This key

has the same function as the Right mouse button.

Page 79 Numeric mode To turn on the Numeric mode, press Fn + F11 (Numeric mode indicator lights). Now try numeric data entry using the keys below. Press Fn + F11 again to turn off the overlay. Temporarily using normal keyboard (overlay on) While using the overlay, you can temporarily access the normal keyboard without turning off the overlay: 1.

Page 80: Generating Ascii Characters

Temporarily using overlay (overlay off) While using the normal keyboard, you can temporarily use the keypad overlay without turning it on: 1. Press and hold down Fn. 2. Check the keyboard indicators. Pressing Fn turns on the most recently used overlay. If the Numeric mode indicator lights, you can use the overlay for numeric entry.

Page 81: Chapter 6 Power And Power-Up Modes

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

Page 82: Power Indicators

AC adapter Battery capacity is connected above low battery trigger point Battery capacity is below low battery trigger point Battery capacity exhausted No battery installed * The LED is dependent on the model you purchased. Power indicators As shown in the above table, the Battery, DC IN and Power indicators alert you to the computer's operating capability and battery charge status Battery indicator Check the Battery indicator to determine the status of the battery.

Page 83: Battery Types

DC IN indicator Check the DC IN indicator to determine the power status with the AC adapter connected: Blue No light Power indicator Check the Power indicator to determine the power status with the AC adapter connected: Blue Blinking Amber No light Battery types The computer has two types of batteries:...

Page 84: Care And Use Of The Battery Pack

The battery pack is a lithium ion battery, which can explode if not properly replaced, used, handled or disposed of. 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. In this mode data is stored in memory, so if the computer loses power, it will be lost.

Page 85: Safety Precautions

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

Page 86 Warning 1. Never allow caustic electrolyte fluid leaked from a battery pack to contact your eyes, skin or clothing. If caustic electrolyte fluid should contact your eyes, immediately wash your eyes with large amounts of running water and seek medical attention, to help prevent eye damage. It electrolyte fluid should contact your skin, immediately wash it under running water to prevent rash.

Page 87: Charging The Batteries

Note 1. Never remove the battery pack while the Wake-up on LAN function is enabled. Data will be lost. Before you remove a battery pack, disable the Wake-up on LAN function. 2. To ensure the battery pack maintains maximum capacity, operate the computer on battery power once a week until the battery pack is fully discharged.

Page 88 The charging time when the computer is on is affected by ambient temperature, the temperature of the computer and how you use the computer. If you make heavy use of external

devices the battery might scarcely charge at all during operation. Refer also to the section Maximizing battery operating time.

Page 89: Monitoring Battery Capacity

Monitoring battery capacity Remaining battery power can be monitored using the following methods. Clicking the battery icon on the task bar Via the Battery Stats in the Windows Mobility Center Window You should wait at least 16 seconds after turning on the computer before trying to monitor the remaining operating time.

Page 90: Replacing The Battery Pack

Retaining data with power off (Sleep mode) When you turn off your computer with fully charged batteries, the batteries retain data/charge for the following approximate time periods: Battery RTC battery * The availability of this battery is dependent on the model you purchased. Extending battery life To maximize the life of your battery pack: If you have extra battery packs, rotate their use.

Page 91

5. Unlock the Battery Pack Lock. 6. Slide the battery pack latch to the left, then pull the battery out of the battery bay. User’s Manual Power and Power-Up Modes Removing the battery pack-1 Removing the battery pack-2 6-11...

Page 92: Toshiba Password Utility

Installing the battery pack To install a battery pack, follow the steps below. The battery pack is a lithium ion battery, which can explode if not properly replaced, used, handled or disposed of. Dispose of the battery as required by local ordinances or regulations. Use only batteries recommended by TOSHIBA as replacements.

Page 93: User Password

User Password To start the utility, point to or click the following items: Launch: TOSHIBA Assist Registered Click to register a password of up to 8 characters. After a password is set, you will be prompted to enter it when you start the computer. Not Registered Click to delete a registered password.

Page 94: Power-Up Modes

This feature automatically turns off the system in Sleep or Hibernation mode if the computer is not used for a set duration. Refer to Special of how to set the duration. User’s Manual features, in Chapter 1, A200 Features Power and Power-Up Modes Getting for an explanation 6-14...

Page 95: Chapter 7 Hw Setup

HW Setup This chapter explains how to use the TOSHIBA HW Setup utility to configure your computer. TOSHIBA HW Setup lets you configure settings for various hardware devices through a number of tabs titled General, Password, Display, Boot Priority, Keyboard, CPU, LAN, and USB. Accessing HW Setup Click Start, point to All Programs, point to TOSHIBA, point to Utilities and click HWSetup...

Page 96: Boot Priority

Password This tab allows you to set or reset the user password for power on. Display This tab lets you customize your computer's display settings for either the internal LCD screen or for an external monitor. Power On Display This option allows you to select the display to be used when the computer is switched on.

Page 97: Legacy Usb Support

To select the boot drive you want, follow the steps below. 1. Boot-up your computer and press F12 to enter the boot menu. 2. The boot select screen will be displayed: HDD1, HDD2, CD/DVD, and LAN. 3. Use the upper/lower cursor keys to highlight the boot device you want and press Enter.

Page 98

Built-in LAN This feature enables or disables the Built-in LAN. Enabled Disabled User’s Manual Enables Built-in LAN function (Default). Disables Built-in LAN function. HW Setup...

Page 99: Chapter 8 Optional Devices

Optional Devices Optional devices can expand the computer's capabilities and its versatility. This chapter describes connection or installation of the following types of devices, which are available from your TOSHIBA dealer: Cards/Memory Express Card Support 54/34 Express Card SD (Secure Digital) / SDHC (Secure Digital High Capacity) / MMC (Multi Media Card) / MS (Memory Stick) / MS Pro (Memory Stick Pro) / xD (xD-Picture Card) cards DDRII SO-DIMM Memory Modules...

Page 100 Installing an Express Card One Express Card connector is located on the right side of the computer. The computer's hot-install feature lets you install Express Card while the computer's power is on. To install an Express Card, follow the steps below. 1.

Page 101: Sd/Sdhc/Mmc/Ms/Ms Pro/Xd Memory Cards

SD/SDHC/MMC/MS/MS Pro/xD Memory cards The computer is equipped with a multiple digital media card slot that can accommodate SD/SDHC/MMC/MS/MS Pro/xD memory cards. These memory cards let you easily transfer data from devices, such as digital cameras and Personal Digital Assistants, which use flash-memory. Card Type SDHC MS Pro...

Page 102: Installing A Memory Card

Installing a memory card To install a memory card: 1. Insert the memory card. 2. Press gently to ensure a firm connection. Be sure the memory card is oriented properly before you insert it. ® If Windows The multiple digital media card slot only accepts one type of card at a time. Do not attempt to install more than one card as you risk damaging either the cards themselves or the computer.

Page 103: Memory Card Care

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 104: Memory Expansion

Memory expansion You can install additional memory in the computer's memory module socket to increase the amount of RAM. This section describes how to install and remove a memory module. Before you install or remove a memory module, turn off the computer with the Shut Down option in the Windows Start menu.

Page 105 5. Slide your fingernail or a thin object under the cover and lift it off. 6. Fit the module's connectors into the computer's connectors at about a 45 degree angle and press the module carefully to ensure a firm connection. Do not touch the connectors on the memory module or on the computer.

Page 106 9. Replace the battery pack as described in Chapter 6, Modes. 10. Turn the power on and make sure the added memory is recognized. Removing Memory on Bottom Side If you use the computer for a long time, the memory modules will become hot.

Page 107: Additional 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. See Chapter 6, Power-Up Modes.

Page 108 Optional Devices If a television is connected to the computer, set the TV type in Display Properties. Follow the steps below, based on the configuration of your computer: For Intel 1. Click Start Control Panel Appearance and Personalization> Personalization. 2. Choose Display Settings. User’s Manual 8-10...

Page 109 Optional Devices 3. Click the Advanced Setting button. The Generic PnP Monitor and ® Intel 945GM Express Chipset Family dialogue box opens. 4. Click the Graphics Properties button. User’s Manual 8-11...

Page 110 Optional Devices 5. In the subsequent dialogue box, click Display Devices and then set up your television and notebook displays. For nVidia 1. Click Start Control Panel

Personalization. 2. Choose Display Settings. User’s Manual 8-12...

Page 111 Optional Devices 3. Click the Advanced Settings button. The Generic PnP Monitor and NVIDIA GeForce Go 7300 Properties dialogue box opens. 4. Click Start the NVIDIA Control Panel. User’s Manual 8-13...

Page 112 Optional Devices 5. Click Display item. 6. Click Change Display Configuration item. 7. Setup your television and notebook display. User’s Manual 8-14...

Page 113: I.link (Ieee1394)

i.LINK (IEEE1394) i.LINK (IEEE1394) is used for high-speed data transfer for a range of compatible devices such as: Digital video cameras Hard disk drives MO drives Optical disc drives i.LINK uses a four-pin connector, which does not carry electric current. External devices will need their own power supply.

Page 114: Security Lock

Disconnecting 1. Click the Safely Remove Hardware icon on the Task Bar. 2. Point to i.LINK (IEEE1394) device and click. 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. Security lock A security lock enables you to anchor your computer to a desk or other heavy object to help prevent unauthorized removal of the computer.

Page 115: Troubleshooting

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. Problem solving process Resolving problems will be much easier if you observe the following guidelines:...

Page 116: Preliminary Checklist

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 117: Hardware And System Checklist

Record your observations so you can describe them to your dealer. Software Hardware Hardware and system checklist This section discusses problems caused by your computer’s hardware or attached peripherals. Basic problems may occur in the following areas: System start-up Self test Power Battery Keyboard...

Page 118: Self Test

System start-up When the computer does not start properly, check the following items: Self Test Power Sources Power-on Password Self test When the computer starts up, the self test will be run automatically, and the following will be displayed: This message remains on the screen for a few seconds. If the self test is successful, the computer tries to load the operating system based around how the Boot Priority option is set within the computer’s BIOS setup.

Page 119: Overheating Power Down

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

Page 120 Battery If you suspect a problem with the battery, check the DC IN indicator as well as the indicators for the battery. For information on indicators and battery operation see Chapter 6, Problem Battery doesn't power the computer. Battery doesn't charge when the AC power cord is attached.

Page 121: Lcd Panel

Keyboard Keyboard problems can be caused by your setup configuration. For more information refer to Chapter 5, Problem Some letter keys produce numbers. Output to screen is garbled.

LCD panel Problem Lines appear broken. No display Problems above remain unresolved or other problems occur.

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Problem Slow performance Password Problem Cannot enter password Refer to Chapter 6, i.LINK (IEEE1394) Problem i.LINK device does not function Wireless LAN If the following procedures do not restore LAN access, consult your LAN administrator. For more information on wireless communication, refer to Chapter 4, Operating Problem...

Page 123: Sound System

Monitor Refer also to Chapter 8, documentation. Problem Monitor does not turn on Make sure that the external monitor's power No display Display error occurs Monitor goes into panning mode Sound system Problem No sound is heard User’s Manual Optional Devices, and to your monitor’s Procedure switch is on.

Page 124: Pointing Device

Pointing device If you are using a USB mouse, also refer to the and to your mouse documentation. TouchPad/Dual Mode Pad Problem On-screen pointer does not respond to Pad operation Double-tapping does not work The mouse pointer moves too fast or too slow USB mouse Problem...

Page 125: Tv Output Signal

Problem The mouse pointer moves too fast or too slow The mouse pointer moves erratically Refer also to your USB device’s documentation. Problem USB device does not work TV output signal Problem Display on TV is poor No display If you turn the computer off in Sleep Mode while the display is on a TV, the computer will select either the internal LCD or an external computer CRT as the display device the next time it is switched on.

Page 126

Problem Cannot access LAN or the Wake up on LAN feature does not work Sleep/Hibernation Problem The system will not enter Sleep/Hibernation Memory expansion Refer also to Chapter 8, memory modules. Problem The computer hangs up and issues beep sounds. (A long beep, three short beeps, three short beeps, and then a long beep.)

Page 127

Modem Problem Communication software can't initialize the modem You can hear a dial tone but can't make a call You place a call, but a connection can't be made After making a call you can't hear a ring Communication is cut off unexpectedly A CONNECT display is quickly replaced by...

Page 128

CDVD Super Multi drive with double layer disc recording support For more information, refer to Chapter 4, Problem You cannot access a disc in the drive Some discs run correctly, but others do User’s Manual Operating Procedure Make sure the drive's drawer is securely closed. Press gently until it clicks into place.

Page 129: Disk Drive

Problem Some discs run correctly, but others do Cannot write correctly Disk drive For information on disk care refer to Chapter 4, Problem Some programs run correctly, but others do You cannot access the disk drive User’s Manual Procedure The software or hardware configuration may be causing a problem.

Page 130: Toshiba Support

Real Time Clock Problem The following message is displayed on the LCD: ERROR 271: Check date and time settings. WARNING 0251: System CMOS checksum bad - Default configuration used. Press [F1] to resume, [F2] to Setup. 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.

Page 131: Disclaimers

Disclaimers This chapter states the Disclaimer(s) information applicable to TOSHIBA computers. Central Processing Unit ("CPU") Performance Disclaimer. CPU performance in your computer product may vary from specifications under the following conditions: use of certain external peripheral products use of battery power instead of AC power use of certain multimedia, computer generated graphics or video applications use of standard telephone lines or low speed network connections...

Page 132: Memory (Main System)

64-Bit Computing. 64-bit processors are designed to take advantage of 32 and 64 bit computing. 64-bit computing requires that the following hardware and software requirements are met: 64-bit Operating System 64-bit CPU, Chipset and BIOS (Basic Input/Output System) 64-bit Device drivers 64-bit applications Certain device drivers and/or applications may not be compatible with a 64-bit CPU and therefore may not function properly.

Page 133: Lcd

Over a period of time, and depending on the usage of the computer, the brightness of the LCD screen will deteriorate. This is an intrinsic characteristic of LCD technology. Maximum brightness is only available when operating in AC power mode. The screen will dim when the computer is operated on battery power and you will not be able to increase the brightness of the screen.

Page 134: Specifications

Specifications This appendix summarizes the computer's technical specifications. Dimensions 362mm (W) × 267.8mm (D) × 39.3mm (H. Max.) Weight Starting at 2.72kg / 5.99lbs* * Weight may vary depending on product configuration, vendor components, manufacturing variability and options selected. User’s Manual Appendix A 267.8mm 39.3mm...

Page 135: Environmental Requirements

Environmental Requirements Conditions Operating Non-operating Conditions Operating Non-operating Built-in Modem Network control unit (NCU) Type of NCU Type of line Type of dialling Control command Monitor function Communication specifications Communication System Communication Protocol User’s Manual Ambient temperature 5°C to 35°C -20°C to 65°C Altitude (from sea level) -30 to 10,000 feet...

Page 136 Communication Speed Error correcting Data compression User’s Manual Data transmission and reception 300/1200/2400/4800/7200/9600/12000/14400/ 16800/19200/21600/24000/26400/28800/31200/ 33600 bps Data reception only with V.90/V.92 28000/29333/30666/32000/33333/34666/36000/ 37333/38666/40000/41333/42666/44000/45333/ 46666/48000/49333/50666/52000/53333/54666/ 56000 bps Fax: 2400/4800/7200/9600/12000/14400 bps MNP class 4 and ITU-T V.42 MNP class 5 and ITU-T V.42bis Specifications...

Page 137: Display Modes

Display Modes This appendix contains a table listing all the display modes when the display is set to an external monitor. If you are running some applications (for example a 3D application or video playback and so on), you may see some disturbance, flickering or frame dropping on your screen.

Page 138 Displaying movies on a TV or CRT This section describes how to set up your system to display movies simultaneously on your computer's LCD and on an external TV or CRT monitor. To connect a television, follow the steps below. 1.

Page 139 Display Modes 3. Click the Advanced Setting button. The Generic PnP Monitor and ® Mobile Intel 945GM Express Chipset Family dialogue box opens. 4. Click the Graphics Properties button. User’s Manual...

Page 140 Display Modes 5. In the subsequent dialogue box, click Display Devices and then set up your television and notebook displays. For nVidia 1. Click Start Control Panel Personalization. 2. Choose Display Settings. User’s Manual...

Page 141 Display Modes 3. Click the Advanced Settings button. The Generic PnP Monitor and NVIDIA GeForce Go 7300 Properties dialogue box opens. 4. Click Start the NVIDIA Control Panel. User’s Manual...

Page 142 Display Modes 5. Click Display item. 6. Click Change Display Configuration item. 7. Setup your television and notebook display. User’s Manual...

Page 143: Ac Power Cord And Connectors

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: Wire size:...

Page 144 For the United States and Canada, two pin plug configuration must be a 2-15P (250V) or 1-15P (125V) and three pin plug coniguration must be 6-15P (250V) or 5-15P (125V) as designated in the U. S. National Electrical code handbook and the Canadian Electrical Code Part II. The following illustrations show the plug shapes for the U.

Page 145 If your computer is stolen Always take care of your computer and try to prevent it from being stolen. You are the owner of a valuable technical device, which may be highly attractive to thieves, so please do not leave it unattended in a public place. To further help protect against theft, security cables can be bought for use with your notebook when it is being used at home or in the office.

Page 146 TOSHIBA Theft Registration Send to: Fax number: Country stolen: Machine type: (e.g. A200) Model number: (e.g. PSA30 YXT) Serial number: (e.g. 12345678G) Date stolen: Owner’s details Last name, first name: Company: Street: Postal Code/City: Country: Phone: Fax: User’s Manual TOSHIBA Europe GmbH Technical Service and Support Leibnizstr.

Page 147 Glossary The terms in this glossary cover topics related to this manual. Alternate naming is included for reference. Abbreviations AC: alternating current AGP: accelerated graphics port BIOS: basic input output system CD-ROM: Compact Disc-Read Only Memory CD-RW: Compact Disc-Read/Write CMOS: complementary metal-oxide semiconductor CPU: central processing unit CRT: cathode ray tube DC: direct current...

Page 148 ROM: read only memory RTC: real time clock SCSI: small computer system interface TFT: thin-film transistor USB: Universal Serial Bus VESA: Video Electronic Standards Association VGA: video graphics array WXGA: wide extended graphics array adaptor: A device that provides an interface between two dissimilar electronic devices.

Page 149 cache memory: High speed memory which stores data that increases processor speed and data transfer rate. When the CPU reads data from main memory, it stores a copy of this data in cache memory. The next time the CPU needs that same data, it looks for it in the cache memory rather than the main memory, which saves time.

Page 150 CRT: Cathode Ray Tube. A vacuum tube in which beams projected on a fluorescent screen-producing luminous spots. An example is the television set. cursor: A small, blinking rectangle or line that indicates the current position on the display screen. DC: Direct Current. Electric current that flows in one direction. This type of power is usually supplied by batteries.

Page 151 format: The process of readying a blank disk for its first use. Formatting establishes the structure of the disk that the operating system expects before it writes files or programs onto the disk. function keys: The keys labeled F1 through F12 that tell the computer to perform certain functions.

Page 152 Light Emitting Diode (LED): A semiconductor device that emits light when a current is applied. Liquid Crystal Display (LCD): Liquid crystal sealed between two sheets of glass coated with transparent conducting material. The viewing-side coating is etched into character forming segments with leads that extend to the edge of the glass.

Page 153 parity: 1) The symmetrical relationship between two parameter values (integers) both of which are either on or off; odd or even; 0 or 1. 2) In serial communications, an error detection bit that is added to a group of data bits making the sum of the bits even or odd. Parity can be set to none, odd, or even.

Page 154 terminal: A typewriter-like keyboard and CRT display screen connected to the computer for data input/output. TFT display: A liquid crystal display (LCD) made from an array of liquid crystal cells using active-matrix technology with thin film transistor (TFT) to drive each cell. TouchPad/Dual Mode Pad: A pointing device integrated into the TOSHIBA computer palm rest.

This manual is also suitable for:

Psaf4u-00l004Satellite a200-st2041