TOSHIBA

Toshiba Satellite Pro R50-B series User Manual

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1 The Keyboard

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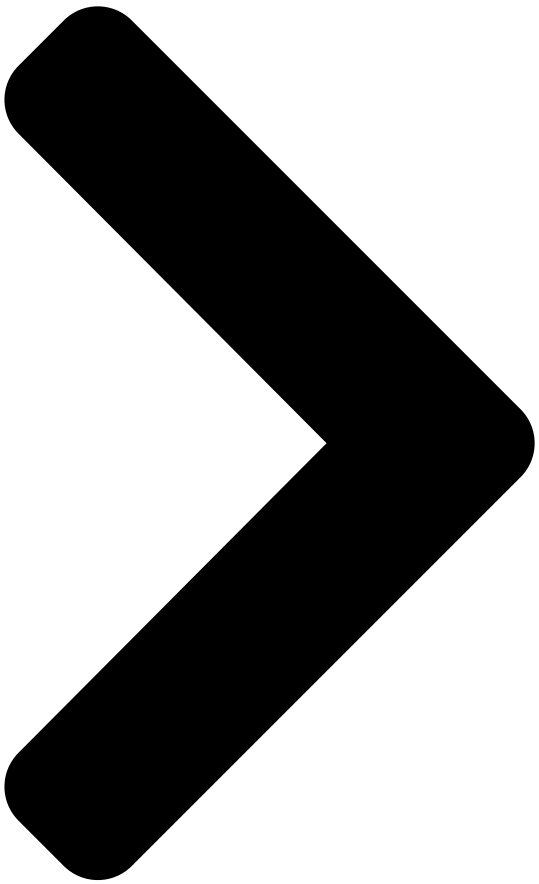

User's Manual

Satellite Pro R50-B

TECRA C50-B

Series

TOSHIBA

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Related Manuals for Toshiba Satellite Pro R50-B series

Laptop Toshiba Satellite Pro R50-B Series User Manual

(130 pages)

Laptop Toshiba Satellite User Manual

(170 pages)

Laptop Toshiba Satellite C50-B Series User Manual

(132 pages)

Laptop Toshiba C50-B User Manual

Notebook pc (124 pages)

Laptop Toshiba Satellite C50-B Series User Manual

(121 pages)

TV DVD Combo Toshiba MW20FN3/R Owner's Manual

Television and video player mw20fn3/r, mw24fn3/r owner's manual (68 pages)

TV Toshiba CPBRO2005Eu Catalog

Home cinema catalogue 2005-6 (21 pages)

Laptop Toshiba Tecra R950 Series User Manual

Notebook (193 pages)

Laptop Toshiba Satellite Pro A50-C User Manual

(147 pages)

Laptop Toshiba Satellite Pro R50-C User Manual

(147 pages)

Laptop Toshiba TECRA A50-C User Manual

(153 pages)

Laptop Toshiba Satellite Pro R50-C Series User Manual

(157 pages)

Laptop Toshiba TECRA A50-E User Manual

(147 pages)

Laptop Toshiba Satellite Pro A30-C User Manual

(163 pages)

Laptop Toshiba PORTEGE R30-D Series User Manual

(165 pages)

Laptop Toshiba PORTEGE R30t-D Series User Manual

(198 pages)

Summary of Contents for Toshiba Satellite Pro R50-B series

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Page 5: Chapter 1 Toshiba Legal, Regulatory, And Safety

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Page 6: Regulatory Information

® The Bluetooth word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Toshiba Corporation and its affiliates is under license. The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

Page 7: Fcc Conditions

Only peripherals complying with the FCC class B limits can be attached to this equipment. Operation with non-compliant peripherals or peripherals not recommended by TOSHIBA is likely to result in interference to radio and TV reception. Shielded cables must be used between the external devices and the computer’s external RGB monitor port, Universal Serial Bus (USB...

Page 8: Working Environment

EMC (Electromagnetic Compatibility) and safety standards. However, TOSHIBA cannot guarantee that this product still observes these EMC standards if options or cables not produced by TOSHIBA are connected or implemented. In this case the persons who have connected/implemented those options/cables have to provide assurance that the system (PC plus options/cables) still fulfils the required standards.

Page 9 Note that Canadian Department of Communications (DOC) regulations provide, that changes or modifications not expressly approved by TOSHIBA Corporation could void your authority to operate this equipment. This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Page 10: Following Information Is Only For Turkey

For more detailed information about the collection and recycling programmes available in your country, please visit our website (www.toshiba.eu/recycling) or contact your local council office or the retail outlet where you purchased the product. These symbols might not stick depending on the country and region where you purchased.

Page 11: Reach - Compliance Statement

Evaluation, Authorization and Restriction of Chemicals), entered into force on 1 June 2007, with phased deadlines to 2018. Toshiba will meet all REACH requirements and is committed to provide our customers with information about the presence in our articles of substances included on the candidate list according to REACH regulation.

Page 12: Video Standard Notice

Video Standard Notice THIS PRODUCT IS LICENSED UNDER THE AVC, THE VC-1 AND MPEG-4 VISUAL PATENT PORTFOLIO LICENSE FOR THE PERSONAL AND NON-COMMERCIAL USE OF A CONSUMER FOR (I) ENCODING VIDEO IN COMPLIANCE WITH THE ABOVE STANDARDS ("VIDEO") AND/OR (II) DECODING AVC, VC-1 AND MPEG-4 VIDEO THAT WAS ENCODED BY A CONSUMER ENGAGED IN A PERSONAL AND NONCOMMERCIAL ACTIVITY AND/OR WAS OBTAINED FROM A VIDEO PROVIDER LICENSED BY MPEG LA TO PROVIDE SUCH...

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Page 14: Freetype License Issues

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Page 18: Energy Star® Program

If the model you purchased is compliant, it uses the ENERGY STAR logo 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. Your computer...

Page 19: Optical Disc Drive Safety Instructions

To prevent direct exposure to the laser beam, do not try to open the enclosure. Location of the Required Label (Sample shown below. Location of the label and manufacturing information might vary.) TOSHIBA SAMSUNG STORAGE TECHNOLOGY KOREA CORPORATION 14F, Bldg. No.102, Digital empire2, 486 Sin-dong, Yeongtong-gu, Suwon-si,...

Page 20: General Precautions

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

Page 21: Cleaning The Computer

Stress injury Carefully read the Instruction Manual for Safety and Comfort. It contains information on the prevention of stress injuries to your hands and wrists that can be caused by extensive keyboard use. It also includes information on work space design, posture, and lighting that can help reduce physical stress.

Page 22: Safety Icons

Moving the computer While the computer is designed for flexible day-to-day usage you should exercise a few simple precautions when moving it in order to help ensure trouble-free operation. Make sure all disk/disc activity has ended before moving the computer. Turn off (shut down) the computer.

Page 23 Indicates a potentially hazardous situation, which could result in death or serious injury, if you do not follow instructions. A caution informs you that improper use of equipment or failure to follow instructions might cause data loss, equipment damage, or might result in minor or moderate injury.

Page 24: Chapter 2 Getting Started

This chapter provides an equipment checklist, and basic information to start using your computer. If you use an operating system that was not pre-installed by TOSHIBA, some of the features described in this manual might not function properly. Equipment checklist Carefully

unpack your computer, taking care to save the box and packaging materials for future use.

Page 25: Using Your Computer For The First Time

Right-click Click the right Touch Pad control button once. Right-click the mouse once. Double-click Tap the Touch Pad or click the left Touch Pad control button twice. Left click the mouse twice. Charm Pointing the mouse pointer to the lower-right (or upper-right) corner of your screen, you can find a list of charms: Search, Share, Start, Devices, and Settings.

Page 26: 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 27

When you connect the AC adaptor to the computer, always follow the steps in the exact order as described in this User's Manual. Connecting the power cable to a live electrical outlet should be the last step otherwise the adaptor DC output plug could hold an electrical charge and cause an electrical shock or minor bodily injury when touched.

Page 28: Opening The Display

Connect the DC output plug of the AC adaptor to the DC IN 19 V jack on your computer. Figure 2-3 Connecting the DC output plug to the computer 1. DC IN 19V jack 2. DC output plug Product appearance depends on the model you purchased. Plug the power cord into a live wall outlet.

Page 29: Turning On The Power

Do not put your fingers in the gap between the LCD panel and battery pack when closing your LCD, otherwise your fingers might get hurt. 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 30: Getting To Know Windows

Figure 2-5 Turning on the power 1. Power button Product appearance depends on the model you purchased. Initial setup The Windows Startup Screen is the first screen displayed when you turn on the power. To install the operating system properly, follow the on-screen instructions on each screen.

Page 31

Charms Use the Windows charms to start apps, find documents, set up system components, and perform most other computing tasks. By pointing the mouse pointer to the upper or lower right of your screen, you can find a list of charms: Search, Share, Start, Devices, and Settings.

Page 32: Turning Off The Power

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

Page 33: Sleep Mode

Note that keyboard keys can only be used if the Wake-up on Keyboard option is enabled within the TOSHIBA System Settings. If the computer enters Sleep Mode while a network application is active, the application might not be restored when the computer is next turned on and the system returns from Sleep Mode.

Page 34: Hibernation Mode

Saves power by shutting down the system when the computer receives no input or hardware access for the time period set by the System Sleep Mode feature. Allows the use of the panel power off feature. Executing Sleep Mode You can enter Sleep Mode in one of following ways: Click the power icon ( ) on the Start screen and then select Sleep.

Page 35: Starting Hibernation Mode

Benefits of Hibernation Mode The Hibernation Mode feature provides the following benefits: Saves data to the HDD/SSD when the computer automatically shuts down because of a low

battery condition. You can return to your previous working environment immediately when you turn on the computer. Saves power by shutting down the system when the computer receives no input or hardware access for the time period set by the System Hibernate feature.

Page 36: Chapter 3 The Grand Tour

Chapter 3 The Grand Tour This chapter identifies the various components of the computer. It is recommended that you become familiar with each before you operate the computer. Legal Footnote (Non-applicable Icons) For more information regarding Non-applicable Icons, refer to the Legal Footnotes section.

Page 37: Left Side

DC IN/Battery The DC IN/Battery indicator shows the indicator condition of the DC IN and the battery charge status. white indicates that the battery is fully charged while the power is being correctly supplied from the AC power adaptor. Refer to the Power Condition Descriptions section for more information on this feature.

Page 38: Right Side

LAN jack This jack lets you connect to a LAN. The adaptor has built-in support for Ethernet LAN (10 megabits per second, 10BASE-T), Fast Ethernet LAN (100 megabits per second, 100BASE-TX) or Gigabit Ethernet LAN (1000 megabits per second, 1000BASE-T). Refer to Operating Basics, for details.

Page 39

Figure 3-3 The right side of the computer 1. Universal Serial Bus (USB 3.0) ports 4. Cooling vents 2. HDMI out port 5. DC IN 19V jack 3. External RGB monitor port Product appearance depends on the model you purchased. Universal Serial Bus Two Universal Serial Bus ports, which comply to (USB 3.0) ports...

Page 40: Back

Do not block the cooling vents. Keep foreign metal objects, such as screws, staples and paper clips, out of the cooling vents. Foreign metal objects can create a short circuit, which can cause damage and fire, possibly resulting in serious injury. Carefully clean the dust on the cooling vents'...

Page 41: Front With The Display Open

Figure 3-5 The underside of the computer 1. Battery lock 3. Cooling vents 2. Battery release latch Product appearance depends on the model you purchased. Battery lock Slide the battery lock to release the battery pack ready for removal. Battery release latch Slide and hold this latch into its "Unlock"...

Page 42

Figure 3-6 The front of the computer with the display panel open 1. Wireless communication antennas 8. Battery pack (not shown)* 2. Microphone* 9. Stereo speakers 3. Web Camera LED* 10. Keyboard 4. Web Camera* 11. Touch Pad 5. Display screen 12.

Page 43

Web Camera LED The Web Camera LED glows when the Web Camera is operating. Some models are equipped with a Web Camera LED. Web Camera Web Camera is a device that allows you to record video or take photographs with your computer.

Page 44: Internal Hardware Components

To check which type of processor is included in your model, open the TOSHIBA PC Health Monitor utility by clicking PC Health Monitor under TOSHIBA group in the Apps view, and then click PC Information. Legal Footnote (CPU) For more information regarding CPU, refer to the Legal Footnotes section.

Page 45

To check which type of HDD/SSD is included in your model, open the TOSHIBA PC Health Monitor utility by clicking PC Health Monitor under TOSHIBA group in the Apps view, and then click PC Information. Note that part of the hard disk overall capacity is reserved as administration space.

Page 46: Power Condition Descriptions

Graphics Processing Graphics processing unit (GPU) performance Unit might vary depending on product model, design configuration, applications, power management settings and features utilized. GPU performance is only optimized when operating in AC power mode and might

decrease considerably when operating in battery power mode. Legal Footnote (Graphics Processing Unit (GPU)) For more information regarding Graphics Processing Unit (GPU), refer to Legal Footnotes...

Page 47: Power Indicator

Amber Indicates that the AC adaptor is connected and the battery is charging. White Indicates that the AC adaptor is connected and the battery is fully charged. Flashing White Indicates a problem with the computer. Disconnect the AC adaptor and remove the battery for several seconds, and then reinstall the battery and reconnect the AC adaptor.

Page 48: Chapter 4 Operating Basics

Chapter 4 Operating Basics This chapter describes the basic operations of your computer, and highlights the precautions that must be taken when using it. Using the Touch Pad The Touch Pad located in the palm rest might support the following gestures: Tap once on the Touch Pad to activate an item, such as an app.

Page 49: The Keyboard

Do not put items on the Touch Pad surface to prevent abnormal action. Some of the Touch Pad operations described in this section are only supported in certain applications. The Keyboard The number of keys available on your keyboard depends on which country/ region your computer is configured for, with keyboards being available for numerous languages.

Page 50: Function Key

You can configure the function keys’ mode as "Special function mode" or "Standard F1-F12 mode" by clicking System Settings -> Keyboard under TOSHIBA group in the Apps view. "Special function mode" allows you to use special functions without pressing the FN key.

Page 51: Using The Accupoint

Those toast notifications are disabled at factory default. You can enable them in the TOSHIBA Function Key application. To access it, click Function Key under TOSHIBA group in the Apps view. Windows special keys The keyboard provides two keys that have special functions in Windows, ®...

Page 52: Optical Disc Drives

Position a new cap on the peg and press it into place. The peg is square, so be careful to align the cap’s square hole with the peg. You can buy replacement AccuPoint caps from your TOSHIBA authorized dealer. Optical disc drives Some models are equipped with an Optical disc drive.

Page 53: Using Optical Disc Drives

Some types and formats of DVD-R DL and DVD+R DL discs may be unreadable. Using Optical Disc Drives The full-size drive provides high-performance execution of disc based programs. You can run either 12 cm (4.72") or 8 cm (3.15") discs without an adaptor.

Page 54: Removing Discs

Lay the disc, label side up, in the disc tray. Figure 4-4 Inserting a disc 1. Laser lens When the disc tray is fully opened, the edge of the computer covers the disc tray slightly. Therefore, you must to turn the disc at an angle when you place it in the disc tray.

Page 55: Writable Discs

When the disc tray pops open slightly, wait a moment to make sure the disc has stopped spinning before pulling the disc tray fully open. The disc extends slightly over the sides of the disc tray so you can grasp it. Gently lift out the disc. Push the center of the disc tray to close it.

Page 56: Important Message

Also be aware that in no event does TOSHIBA guarantee the operation, quality or performance of any disc. User's Manual...

Page 57: When Writing Or Rewriting

CD-R: TAIYO YUDEN CO., Ltd. MITSUBISHI KAGAKU MEDIA CO., LTD. CD-RW: (Multi-Speed, High-Speed and Ultra-Speed) MITSUBISHI KAGAKU MEDIA CO., LTD. DVD-R: DVD Specifications for Recordable Disc for General Version 2.0 TAIYO YUDEN Co.,Ltd. MITSUBISHI KAGAKU MEDIA CO., LTD. DVD-R DL: MITSUBISHI KAGAKU MEDIA CO., LTD.

Page 58: Toshiba Video Player

TOSHIBA VIDEO PLAYER TOSHIBA VIDEO PLAYER is only provided with some models. Please be aware of the following limitations when you use the TOSHIBA VIDEO PLAYER: Notes on use This software can only be used on Windows operating system.

Page 59

Do not lock the computer using the Windows logo ( ) + L keys when running the TOSHIBA VIDEO PLAYER. The TOSHIBA VIDEO PLAYER does not have a parental control function. In order to protect copyrights, the Windows Print Screen function is disabled when TOSHIBA VIDEO PLAYER is running.

Page 60: Battery

TOSHIBA VIDEO PLAYER features and instructions are explained in details in TOSHIBA VIDEO PLAYER Manual. Use the following procedure to open TOSHIBA VIDEO PLAYER Manual. Press the F1 key when TOSHIBA VIDEO PLAYER is launched and click the Help button. Battery This section explains battery types, use, recharging methods and handling.

Page 61: Battery Types

If the RTC battery becomes completely discharged, the system will lose this information and the real- time clock and calendar will stop working. You can change the Real-Time Clock settings in the TOSHIBA Setup Utility. Refer to Real Time Clock for further information.

Page 62: Charging The Batteries

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 from 5 through 35 degrees Celsius. Otherwise, the electrolyte solution might leak, battery pack performance might deteriorate, and the battery life might be shortened.

Page 63: Battery Charging Notice

Be aware that the charging time when the computer is on is affected by ambient temperature, the temperature of the computer and how you are using the computer. If you make heavy use of external devices for example, the battery might scarcely charge at all during operation. Battery charging notice The battery might not begin charging immediately under the following conditions:...

Page 64: Maximizing Battery Operating Time

With repeated discharges and recharges, the battery capacity will gradually decrease. In view of this, it is noted that an often used, older battery will not operate for as long as a new battery even when both are fully charged. Maximizing battery operating time The usefulness of a battery depends on how long it can supply power on a single charge, while how long the charge lasts in a battery depends on:...

Page 65: Extending Battery Life

Extending battery life To maximize the life of your battery packs, do the following at least once a month. Turn off the computer's power. Disconnect the AC adaptor and turn on the computer's power. If it does not turn on then go to Step 4. Operate the computer on battery power for five minutes.

Page 66: Lan

Click the power icon ( ) on the Start screen and then click Shut down while holding down the SHIFT key. Ensure that the Power indicator is off. Remove all cables and peripherals that are connected to the computer. Close the display panel and turn the computer upside down. Slide the battery lock into its unlocked ( ) position.

Page 67: Lan Cable Types

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 (10/100/1000 megabits per second) changes automatically depending on the network conditions (connected device, cable or noise and so on). LAN cable types The computer must be configured properly before connecting to a LAN.

Page 68: Memory Media

Plug one end of the cable into the LAN jack. Press gently until you hear the latch click into place. Figure 4-7 Connecting the LAN cable 1. LAN jack 2. LAN cable 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.

Page 69: Media Care

MultiMediaCard (MMC) Points to note about the memory media card SD/SDHC/SDXC memory cards comply with SDMI (Secure Digital Music Initiative), which is a technology adopted to prevent unlawful copy or playback of digital music. For this reason, you cannot copy or play back protected material on another computer or other device, and you cannot reproduce any copyrighted material except for your personal enjoyment.

Page 70: Inserting Memory Media

Do not touch the metal part of a card or expose it to liquids or let it get dirty. After using card, return it to its case. The card is designed so that it can be inserted only one way. Do not try to force the card into the slot.

Page 71: External Display

Press the memory media gently until it clicks into place. Figure 4-9 Inserting memory media 1. Memory media slot 2. Memory media Make sure that the memory media is oriented properly before you insert it. If you insert the media in wrong direction, you might not be able to remove it.

Page 72: Connecting An External Display

External displays allow you to share your desktop or extend the desktop area. As the port operation of all external monitors have not been confirmed, some monitors might not function properly. Connecting an external display Your computer comes with a built-in display, but you can also connect other external displays via available ports on the computer.

Page 73

To connect an HDMI-compatible display device, do the following: To connect a device to the HDMI out port, you must purchase a suitable HDMI cable. Plug one end of the HDMI cable into the HDMI in port of the HDMI display device.

Page 74: Wireless Display

Click Control Panel -> Appearance and Personalization -> Display -> Change display settings -> Advanced settings -> List All Modes under Windows System group in the Apps view. Select one of the modes at List All Modes. Wireless display Your computer might support wireless display, a wireless technology which utilizes Wi-Fi to allow the computer to be wirelessly connected to external displays including TVs as extended screens.

Page 75: Security Lock

Figure 4-12 Security lock 1. Security lock slot 2. Security lock Optional TOSHIBA Accessories To make your computer even more powerful and convenient to use, you can add a number of options and accessories. For reference, the following list details some of the items that are available from your reseller or...

Page 76: Sound System And Video Mode

Universal AC Adaptor If you frequently use your computer at more than one site, it might be convenient to purchase an additional AC adaptor to be kept at each site in order to remove the need to carry the adaptor with you always.

Page 77: Realtek Hd Audio Manager

DTS Sound DTS Sound is provided with some models. DTS Sound™ utilizes advanced patented techniques to retrieve audio cues buried in the original source material and deliver immersive surround sound complete with deep, rich bass and crystal clear dialog. DTS Sound provides the following features: Immersive surround sound with bass and dialog enhancement Broad sweet spot with elevated sound image Improved volume output delivering maximum volume without creating...

Page 78: Speaker Configuration

Speaker Configuration Click the Auto Test button to confirm the internal speakers or the headphone sound is coming from the right direction. Default Format You can change the sample rate and bit depth of sound. Video mode Video mode settings are configured via the Screen Resolution dialog. To open the Screen Resolution dialog, click Control Panel ->...

Page 79: Chapter 5 Utilities And Advanced Usage

For further information on their operation, refer to online manual, help files, or README.TXT file (if applicable) of each utility. TOSHIBA Desktop TOSHIBA Desktop Assist is a graphical user Assist interface that provides access to specific tools. TOSHIBA utilities and applications that make the use and configuration of the computer easier.

Page 80 This feature is only provided with some models. To access this utility, click Display Utility under TOSHIBA group in the Apps view. For details on TOSHIBA Display Utility, see the help file. TOSHIBA Password This utility allows you to set a password in order Utility to restrict access to the computer.

Page 81 To access this utility, click eco Utility under TOSHIBA group in the Apps view. For details on TOSHIBA eco utility, see the help file. TOSHIBA Function This utility allows you to perform some features by pressing a specified key or combined with the FN key.

Page 82: Special Features

To access the setup files of the drivers/utilities, click Applications and Drivers in the Apps view. 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.

Page 83 To access the Power Options, click Control Panel -> System and Security -> Power Options under Windows System group in the Apps view. Display automatic This feature automatically cuts off power to the computer's display panel when there is no power off keyboard input for a specified time, with power being restored the next time a key is pressed.

Page 84 Sleep Mode If you have to interrupt your work, you can use this feature to allow you to turn off power to the computer without exiting from your software. Data is maintained in the computer's main memory so that when you next turn on the power, you can continue working right where you left off.

Page 85: Toshiba Password Utility

Passwords set by the TOSHIBA Password Utility function are different from the Windows password. User Password To start the utility, click the following items under TOSHIBA group in the Apps view: Password Utility -> User Password User authentication might be required to validate user rights when using TOSHIBA Password Utility to delete or change passwords, and so on.

Page 86: Supervisor Password

You can launch TOSHIBA Setup Utility to set, change, or delete the HDD Password or HDD Master Password. Refer to TOSHIBA Setup Utility section for further information. If you forget your HDD User Password, TOSHIBA will NOT be able to assist you, and your HDD will be rendered COMPLETELY and PERMANENTLY INOPERABLE.

Page 87: Toshiba System Settings

To run TOSHIBA System Settings, click System Settings under TOSHIBA group in the Apps view. The TOSHIBA System Settings window contains a number of tabs to allow specific functions of

the computer to be configured. In addition there are also three buttons: OK, Cancel and Apply.

Page 88: Toshiba Face Recognition

TOSHIBA does not guarantee that the face recognition utility will accurately screen out unauthorized users at all times. TOSHIBA is not liable for any failure or damage that might arise out of the use of the face recognition software or utility.

Page 89: Toshiba Pc Health Monitor

You can disable the TOSHIBA PC Health Monitor at any time by uninstalling the software via Uninstall a program in the Control Panel.

Page 90: Using The Hard Disk Drive (Hdd) Protection

TOSHIBA standard limited warranty terms and limitations apply. Starting the TOSHIBA PC Health Monitor The TOSHIBA PC Health Monitor can be opened by clicking PC Health Monitor under TOSHIBA group in the Apps view. The TOSHIBA PC Health Monitor main screen is displayed.

Page 91: Hdd Protection

You can change HDD Protection settings. To open the utility, click System Settings -> HDD Protection under TOSHIBA group in the Apps view. The utility can also be started from the icon in the Taskbar or from the Control Panel.

Page 92: Toshiba Setup Utility

Intensely shaking the computer or other subjecting it to strong impacts might damage to the computer. TOSHIBA Setup Utility TOSHIBA Setup Utility is a BIOS setup utility that provides you a menu- based user interface so that you can easily view and change BIOS settings.

Page 93: System Recovery

To save the changes and exit the utility, press the F10 key and proceed by selecting Yes or select Exit -> Exit Saving Changes -> Yes. The computer restarts immediately. System Recovery There is a hidden partition allocated on the HDD/SSD for the System Recovery Options in the event of a problem.

Page 94

To perform this restoration, do the following: When you reinstall the Windows operating system, the HDD/SSD will be reformatted and all data will be lost. Make sure to use the default Boot Mode option in TOSHIBA Setup Utility before restoring. Click the power icon ( ) on the Start screen and then select Restart.

Page 95

Recovery Media. However, if you have already created a "Recovery Media", you can use it to restore the recovery partition. If you have not created "Recovery Media", contact TOSHIBA support for assistance. Restoring the pre-installed software from the Recovery HDD/SSD A portion of the total HDD/SSD space is configured as a hidden recovery partition.

Page 96

Click Get started under Remove everything and reinstall Windows. Follow the on-screen instructions to finish the recovery. User's Manual 5-18...

Page 97: Troubleshooting

In reality many problems can be solved simply, but a few might require help from TOSHIBA Support. If you find you need to consult others, be prepared to describe the problem in as much detail as possible.

Page 98: Analyzing The Problem

Always try to make detailed notes of your observations and keep them in a permanent error log - this helps you to describe your problems to TOSHIBA Support. In addition, if a problem recurs, the log you have made helps to identify the problem faster.

Page 99: If Something Goes Wrong

Before using a peripheral device or application software that is not an authorized TOSHIBA part or product, make sure that the device or software can be used with your computer. Use of incompatible devices might cause injury or might damage your computer.

Page 100: Hardware And System Checklist

By holding down one of the following keys during startup, your computer can load the following advanced options. Advanced option TOSHIBA Setup Utility Boot menu 0 (zero) Recovery options If your computer starts to load the Operating System instead of desired...

Page 101: Overheating Power Down

If the computer has reached room temperature and it still does not start, or if it starts but shuts down quickly, contact TOSHIBA Support. AC power If you have trouble turning on the computer with the AC adaptor connected, check the status of the DC IN/Battery indicator.

Page 102

However, if you do not believe the battery is at the end of its operating life, you should speak to TOSHIBA Support. Battery dose not If you frequently recharge a partially charged...

Page 103: Real Time Clock

The RTC battery should be replaced only by your dealer or by a TOSHIBA servicere presentative, and then set the date/time in the TOSHIBA Setup Utility by using the following steps: Launch the TOSHIBA Setup Utility.

Page 104: Optical Disc Drive

- if so remove it and try to start the computer again. If this has no effect, check the Boot Priority Options setting within the TOSHIBA System Settings. Slow performance The files on the HDD might be fragmented. In this...

Page 105: Memory Media Card

If you are still unable to resolve the problem, contact TOSHIBA Support. Pointing device If you are using a USB mouse, you should also refer to both the mouse section and the documentation supplied with your mouse.

Page 106: Touch Pad

To access it, click Control Panel -> Hardware too sensitive or not and Sound -> Mouse under Windows System sensitive enough. group in the Apps view. If you are still unable to resolve the problem, contact TOSHIBA Support. User's Manual 6-10...

Page 107: Usb Mouse

If you are still unable to resolve the problem, contact TOSHIBA Support. USB device In addition to the information in this section, also refer to the documentation supplied with your USB device.

Page 108: Sound System

Volume cannot be adjusted during Windows start up or shut down. If you are still unable to resolve the problem, contact TOSHIBA Support. External monitor Also refer to Operating Basics, and to the documentation supplied with your monitor for further information.

Page 109

Display error occurs Check that the cable connecting the external monitor to the computer is firmly attached. If you are still unable to resolve the problem, contact TOSHIBA Support. Problem Procedure Cannot access LAN Check for a firm cable connection between the LAN jack and the LAN hub.

Page 110: Wireless Lan

Bluetooth device is turned Check to ensure that no optional Bluetooth Adaptor is installed in the computer. The built-in Bluetooth hardware cannot operate simultaneously with another Bluetooth controller. If you are still unable to resolve the problem, contact TOSHIBA Support. User's Manual 6-14...

Page 111: Toshiba Support

TOSHIBA support If you require any additional help using your computer or if you are having problems operating the computer, you might need to contact TOSHIBA for additional technical assistance. Before you call Some problems you experience might be related to software or the

operating system so it is important that you investigate other sources of assistance first.

Page 112: Appendix Specifications

Chapter 7 Appendix Specifications This section summarizes the technical specifications of the computer. Physical Dimensions The following physical dimensions do not include parts that extend beyond the main body. The physical dimensions might vary depending on the model you purchased. Size Approximately 379.0 (w) x 257.9 (d) x 16.9 ~ 23.9 (h) millimeters...

Page 113: Ac Power Cord And Connectors

External RGB monitor port pin assignment Signal Name Description Red Video Signal Green Video Signal Blue Video Signal Reserved Reserved Ground Ground Ground Ground Power Supply Ground Reserved Reserved Serial Data Signal HSYNC Horizontal Sync Signal VSYNC Vertical Sync Signal Serial Clock Signal I/O (I): Input to computer I/O (O): Output from computer...

Page 114: Certification Agencies

Certification agencies China: U.S. and Canada: UL listed and CSA certified No. 18 AWG, Type SVT or SPT-2 Australia: Japan: DENANHO Europe: Austria: Italy: Belgium: CEBEC The Netherlands: KEMA Denmark: DEMKO Norway: NEMKO Finland: FIMKO Sweden: SEMKO France: LCIE Switzerland: Germany: United Kingdom: In Europe, two conductors power cord must be VDE type, H05VVH2-F or...

Page 115: Information For Wireless Devices

Australia Europe AS approved Approved by the appropriate agency Canada China CSA approved CCC approved Information for Wireless Devices Wireless Technology Interoperability The Wireless LAN is compatible with other LAN systems Direct Sequence Spread Spectrum (DSSS) /Orthogonal Frequency Division Multiplexing (OFDM) radio technology, and is compliant to: The IEEE 802.11 Standard on Wireless LANs (Revision a/b/g/n or b/g/ n), as defined and approved by the Institute of Electrical and...

Page 116: Wireless Devices And Your Health

Because Wireless products operate within the guidelines found in radio frequency safety standards and recommendations, TOSHIBA believes Wireless products are safe for use by consumers. These standards and recommendations reflect the consensus of the scientific community and result from deliberations of panels and committees of scientists who continually review and interpret the extensive research literature.

Page 117: Card Specifications

If this occurs, the outsider might illegally access your system, eavesdrop, or cause the loss or destruction of stored data. TOSHIBA is not liable for the loss of data due to eavesdropping or illegal access through the wireless LAN and the damage thereof. Card Specifications Compatibility IEEE 802.11 Standard for Wireless LANs...

Page 118: Bluetooth Wireless Technology

The range of your wireless devices can be affected when the antennas are placed near metal surfaces and solid high-density materials. Range is also impacted due to "obstacles" in the signal path of the radio that might either absorb or reflect the radio signal. Radio Frequency Interference Requirements This device is restricted to indoor use due to its operation in the 5.15 to 5.25GHz frequency range.

Page 119 Europe Restrictions for Use of 2400.0-2483.5MHz Frequencies in Europe France: Outdoor use Military Radiolocation limited to 10mW use.Refarming of the 2.4GHz band e.i.r.p. within the has been ongoing in recent years to band allow current relaxed regulation Full 2454-2483.5MHz implementation planned 2012. Italy: For private use, a general authorization is required if WAS/...

Page 120 Russian Limited e.i.r.p 100mW. Permitted to use Federation: only for indoor applications, closed industrial and warehouse areas, and on board aircraft. Permitted to use for local networks of aircraft crew service communications on board aircraft in area of the airport and at all stages of flight.

Page 121 check the current channel of operation. If operation is occurring outside of the allowable frequencies for outdoor use, as listed above, the user must contact the applicable

national spectrum regulator to request a license for outdoor operation. Canada - Industry Canada (IC) This device complies with RSS-210 of the Industry Canada Rules.

Page 122 The installer of this radio equipment must ensure that the antenna is located or pointed such that it does not emit RF field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's website www.hc-sc.gc.ca Caution: Radio Frequency Interference Requirements This device is restricted to indoor use due to its operation in the 5.15 to...

Page 123 If this equipment causes RF interference to other radio stations, promptly change the frequency being used, change the location of use, or turn off the source of emissions. Contact an authorized TOSHIBA service provider if you have problems with interference caused by this product to Other Radio Stations.

Page 124: Device Authorization

This equipment is approved to the radio standard by the countries/regions in the following table. If you use this equipment in the countries/regions which are not listed in the following table, contact TOSHIBA Support. As of January 2015 Austria Belgium...

Page 125: Legal Footnotes

5°C to 30°C (41°-86°F) or >25°C (77°F) at high altitude (all temperature references are approximate and might vary depending on the specific computer model - contact TOSHIBA support for details). CPU performance might also vary from specifications due to design configuration.

Page 126: Battery Life

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

Page 127: Copy Protection

normal phenomenon for all batteries. To purchase a new battery pack, see the accessories information that is shipped with your computer. HDD/SSD Capacity 1 Gigabyte (GB) means 10 = 1,000,000,000 bytes using powers of 10. The computer operating system, however, reports storage capacity using powers of 2 for the definition of 1 GB = 2 = 1,073,741,824 bytes, and therefore shows less storage capacity.

Page 128: Glossary

Glossary The terms in this glossary cover topics related to this manual. Alternate naming is included for reference. Abbreviations Alternating Current AMT: Intel Active Management Technology ASCII: American Standard Code for Information Interchange BIOS: Basic Input/output System BD-ROM: Blu-ray Disc Read-only Memory bps: bits per second Compact Disc...

Page 129 HDMI CEC: High-definition Multimedia Interface Consumer Electronics Control HTML: Hypertext Markup Language IEEE: Institute of Electrical and Electronics Engineers I/O: Input/Output IRQ: interrupt request ISP: Internet Service Provider kilobyte LAN: Local Area Network LCD: Liquid Crystal Display LED: Light Emitting Diode megabyte MBps: megabytes per second...

Page 130 WQHD: Wide Quad High Definition www: World Wide Web User's Manual 7-19...

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This manual is also suitable for:

Tecra c50-b series