



# TOSHIBA

Toshiba Qosmio G10-105 User Manual

Toshiba qosmio g10-105: user guide



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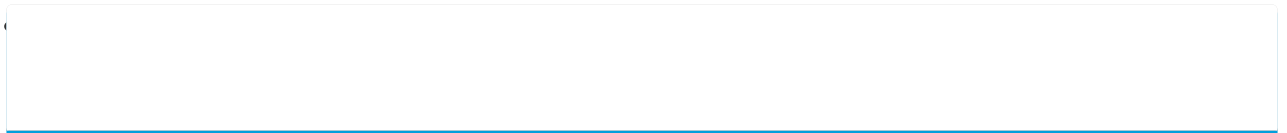
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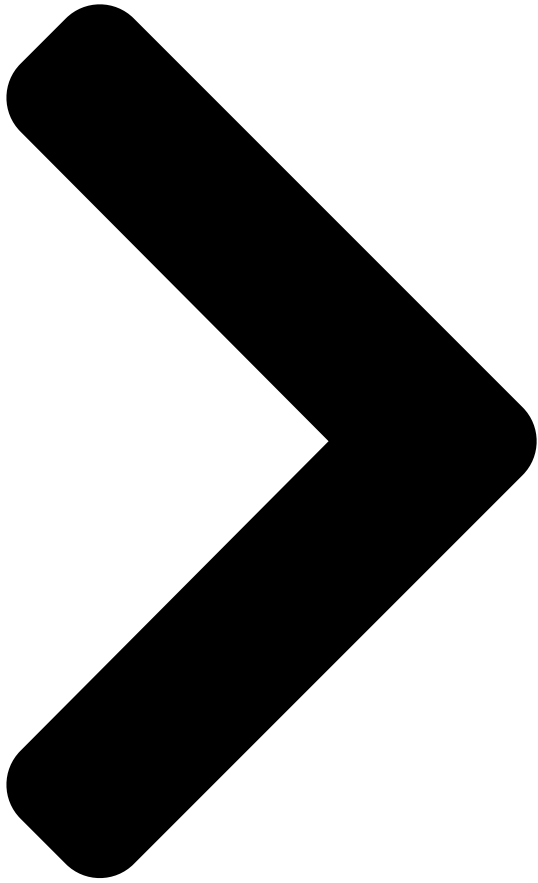
Troubleshooting

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[Desktop Toshiba QOSMIO G10 Maintenance Manual](#)

(392 pages)

[Laptop Toshiba Qosmio G10 User Manual](#)

Portable personal computer (276 pages)

[Laptop Toshiba Qosmio F10 Series User Reference Manual](#)

Qosmio series how to connect a sky digital set top box (31 pages)

[Laptop Toshiba G15-AV501 User Manual](#)

G15-av501 user's guide (320 pages)

[Laptop Toshiba Qosmio G15-AV501 Specifications](#)

Toshiba qosmio g15-av501: specifications (10 pages)

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Toshiba laptop user manual (254 pages)

[Laptop Toshiba Qosmio G45 Resource Manual](#)

Toshiba qosmio g45: supplementary guide (52 pages)

[Laptop TOSHIBA Qosmio G30 User Manual](#)

Portable personal computer (272 pages)

[Laptop Toshiba QOSMIO G30 Maintenance Manual](#)

(460 pages)

[Laptop Toshiba Qosmio G30 User Manual](#)

Portable personal computer (318 pages)

## Summary of Contents for Toshiba Qosmio G10-105

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[Page 3](#) Windows and Microsoft are registered trademarks of Microsoft Corporation. Photo CD is a trademark of Eastman Kodak. Bluetooth is a trademark owned by its proprietor and used by TOSHIBA under license. Memory Stick is a registered trademark and i.LINK is a trademark of Sony Corporation.

## [Page 4: Fcc Information](#)

Only peripherals complying with the FCC class B limits may be attached to this equipment. Operation with non-compliant peripherals or peripherals not recommended by TOSHIBA is likely to result in interference to radio and TV reception. Shielded cables must be used between the external devices and the computer's external monitor port, USB port, IEEE1394...

[Page 5](#) Low Voltage Directive 73/23/EEC for the supplied power adapter. CE Marking is the responsibility of TOSHIBA EUROPE GmbH, Hammfelddamm 8, 41460 Neuss, Germany, phone +49-(0)-2131-158-01. For a copy of the related CE Declaration of Conformity please refer to the following website: <http://epps.toshiba-teg.com...>

## [Page 6: Region Selection](#)

Network Compatibility Statement This product is designed to work with, and is compatible with the following networks. It has been tested to and found to conform with the additional requirements conditional in EG 201 121. Germany Greece Portugal Spain Switzerland All other countries/regions Specific switch settings or software setup are required for each network, please refer to the relevant sections of the user guide for more details.

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

This label is located on the module. Pursuant to FCC CFR 47, Part 68: When you are ready to install or use the modem, call your local telephone company and give them the following information: The telephone number of the line to which you will connect the modem The registration number that is located on the device The FCC registration number of the modem will be found on either the device which is to be installed, or, if already installed, on the bottom of the...

## [Page 8: Telephone Company Procedures](#)

FCC. In the event repairs are ever needed on your modem, they should be performed by TOSHIBA Corporation or an authorized representative of TOSHIBA Corporation.

[Page 9](#) Instructions for IC CS-03 certified equipment 1. The Industry Canada label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective, operational and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements document(s). The Department does not guarantee the equipment will operate to the user's satisfaction.

## [Page 10: Optical Disc Drive Safety Instructions](#)

Optical disc drive safety instructions Be sure to check the international precautions at the end of this section. Panasonic DVD-ROM&CD-R/RW UJDA760 The DVD-ROM&CD-R/RW drive employs a laser system. To ensure proper use of this product, please read this user manual carefully and retain for future reference.

[Page 11](#) DVD Super Multi with Double Layer Recording UJ-831 The DVD Super Multi drive with Double Layer Recording model employs a laser system. To ensure proper use of this product, please read this user manual carefully and retain for future reference. Should the unit ever require maintenance, contact an authorized service location.

[Page 12](#) DVD Super Multi UJ-830, UJ-820 The DVD Super Multi drive employs a laser system. To ensure proper use of this product, please read this user manual carefully and retain for future reference. Should the unit ever require maintenance, contact an authorized service location. Use of controls, adjustments or the performance of procedures other than those specified may result in hazardous radiation exposure.

[Page 13](#) Hitachi LG DVD Super Multi with Double Layer Recording GSA-4080N The DVD Super Multi drive with Double Layer Recording model employs a laser system. To ensure proper use of this product, please read this user manual carefully and retain for future reference. Should the unit ever require maintenance, contact an authorized service location.

[Page 14](#) Teac DVD-ROM&CD-R/RW DW-224E-B The DVD-ROM&CD-R/RW drive employs a laser system. To ensure proper use of this product, please read this user manual carefully and retain for future reference. Should the unit ever require maintenance, contact an authorized service location. Use of controls, adjustments or the performance of procedures other than those

specified may result in hazardous radiation exposure.

[Page 15](#) International precautions CLASS 1 LASER PRODUCT LASERSCHUTZKLASSE 1 PRODUKT TOEN60825 ADVERSEL:USYNLIG LASERSTRÅLING VED ÅBNING, NÅR SIKKERHEDSAF-BRYDER ER UDE AF FUNKTION. UNDGÅ UDSÆTTSELSE FOR STRÅLING User's Manual CAUTION: This appliance contains a laser system and is classified as a "CLASS 1 LASER PRODUCT." To use this model properly, read the user manual carefully and keep this manual for your future reference.

[Page 16](#) OBS! Apparaten innehåller laserkomponent som avger laserstråling överstigande gränsen för laserklass 1. VAROITUS. Suojakoteloä si saa avata. Laite sisältää laseriodin, joka lähettää näkymätöntä silmilie vaarallista lasersäteilyä. CAUTION: USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED IN THE OWNER'S MANUAL MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

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## [Page 24: Manual Contents](#)

Qosmio G10 Preface Congratulations on your purchase of the Qosmio G10 computer. This powerful notebook computer provides excellent expansion capability, including multimedia devices, and it is designed to provide years of reliable, high-performance computing. This computer family includes a model with a built-in TV tuner. When you wish to display a TV picture or play a CD/DVD with this model before Windows starts, press the TV button or the CD/DVD button (or the same buttons on the remote control) respectively during Windows startup.

## [Page 25: Conventions](#)

Chapter 3, Getting operating your computer and gives tips on safety and designing your work area. Chapter 4, Operating devices: Touch pad, USB floppy disk drive, optical media drives, TV tuner, sound system, modem, wireless communication features and network. It also provides tips on care of the computer, floppy disks and CD/DVDs.

## [Page 26: Key Operation](#)

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

## [Page 27: General Precautions](#)

Qosmio G10 General Precautions TOSHIBA computers are designed to optimize safety, minimize strain and withstand the rigors of portability. However, certain precautions should be observed to further reduce the risk of personal injury or damage to the computer. Be certain to read the general precautions below and to note the cautions included in the text of the manual.

[Page 28](#) PC Card overheating Some PC Cards can become hot with prolonged use. Overheating of a PC Card can result in errors or instability in the PC Card operation. Also be

careful when you remove a PC Card that has been used for a long time. Mobile phone Use of mobile phones can interfere with the audio system.

[Page 29](#) 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 30: Working Environment](#)

Malfunction of, or data loss from, this product caused by disturbances generated by other devices or machines in the nearby surrounding area Therefore TOSHIBA strongly recommend that the electromagnetic compatibility of this product should be suitably tested in all non-approved working environments before use.

### [Page 31: Wireless Lan And Your Health](#)

Because Wireless LAN products operate within the guidelines found in radio frequency safety standards and recommendations, TOSHIBA believes Wireless LAN is 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 32: Usage Restrictions](#)

Usage Restrictions Do not use the wireless products for controlling the following equipment: Equipment directly linked with human life corresponding to the following. Medical equipment such as life support systems, equipment used in operations, etc. Exhaust systems for gases such as poisonous gas etc. and exhaust systems for smoke.

[Page 33](#) General Precautions Turn OFF the wireless communication switch of wireless products in a congested place, such as a crowded commuter train. Keep this product away from a cardiac pacemaker at least 22cm. Radio waves can potentially affect cardiac pacemaker operation, thereby causing respiratory troubles.

### [Page 34: Chapter 1: Introduction](#)

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

### [Page 35: Software](#)

TOSHIBA TouchPad On/Off Utility TOSHIBA Zooming Utility TOSHIBA Picture Enhancement Utility TOSHIBA SD Memory Card Format TOSHIBA Acoustic Silencer TOSHIBA Audio Effect TOSHIBA Hotkey Utility for Display Devices TOSHIBA Display Device Change Utility Wireless Hotkey Online manual User's Manual Windows XP Home Edition ®...

[Page 36](#) TOSHIBA Picture Enhancement Utility TOSHIBA ConfigFree TOSHIBA SD Memory Card Format TOSHIBA Acoustic Silencer TOSHIBA Audio Effect TOSHIBA Hotkey Utility for Display Devices TOSHIBA Display Device Change Utility Wireless Hotkey Online manual Documentation Qosmio G10 Portable Personal Computer User's Manual...

### [Page 37: Features](#)

Features The computer uses TOSHIBA's advanced Large Scale Integration (LSI), Complementary Metal-Oxide Semiconductor (CMOS) technology extensively to provide compact size, minimum weight, low power usage, and high reliability. This computer incorporates the following features and benefits: Processor Built-in Memory Slots...

[Page 38](#) Disks Hard disk drive USB floppy disk drive (Optional) Computers in this series can be configured with an optical media drive. The available optical media drives are described below. DVD-ROM&CD-R/RW drive (UJDA760, DW- 224E-B) User's Manual Available in four sizes. 40.0 billion bytes (37.26 GB) 60.0 billion bytes (55.88 GB) 80.0 billion bytes (74.52 GB)

[Page 39](#) DVD Super Multi drive (UJ-830) DVD Super Multi drive (UJ-820) DVD Super Multi drive Double Layer (UJ-831, GSA 4080N) User's Manual Some models are equipped with a full-size

DVD Super Multi drive module that lets you record data to rewritable CD/DVDs as well as run either 12cm (4.72") or 8cm (3.15") CD/DVDs without using an adaptor.

### [Page 40: Pointing Device](#)

Display The computer's LCD panel supports high-resolution video graphics. The screen can be set at a wide range of viewing angles for maximum comfort and readability. Built-in Graphics controller Keyboard Built-in Pointing Device Built-in Touch Pad Ports External monitor Universal Serial Bus (USB 2.0) i.LINK™ ...

[Page 41](#) Multimedia Sound system Monitor-in port TV antenna port S-Video-in Port S-Video out port D-Video out port Headphone (S/PDIF) jack Microphone jack User's Manual Windows sound system compatible sound system provides internal speakers and microphone as well as jacks for an external microphone and headphones.

[Page 42](#) Built-in TV tuner Infrared receiver window Remote Controller Remote control receiver Communications Modem User's Manual Models with Windows XP Home Edition: A built-in TV tuner is provided with some models. On these models you can either use the WinDVR application to display and record TV programs. It is also possible to edit recorded programs and save on DVD.

### [Page 43: Special Features](#)

Security Security lock slot Special features The following features are either unique to TOSHIBA computers or are advanced features, which make the computer more convenient to use. Hot keys The Hot key functions are supported only under Windows, not under QosmioPlayer.

[Page 44](#) Power is restored when the hard disk is accessed. You can specify the time in the HDD power off item of the Basic Setup tab in TOSHIBA Power Saver. This feature automatically shuts down the system...

### [Page 45: Utilities](#)

Use the Cooling Method item of the Basic Setup tab in TOSHIBA Power Saver. Maximum Turns on fan first, then if...

[Page 46](#) TOSHIBA Controls DVD Video Player TOSHIBA Picture Enhancement Utility TOSHIBA ConfigFree TOSHIBA ConfigFree is a suite of utilities to TOSHIBA Console TOSHIBA Zooming Utility User's Manual This utility has three sections to let you do the following: Buttons: TV Model Assign applications to the REC, Brightness, Monitor-in, TV-out buttons.

[Page 47](#) TOSHIBA, point to Utility and click PC Diagnostic Tool. This software enables communication between remote Bluetooth devices. TOSHIBA Touch and Launch is a tool that allows you to perform various tasks easily using the Touch pad. TOSHIBA Touch and Launch is useful in the following conditions.

### [Page 48: Options](#)

(PC2700 DDR) can easily be installed in the computer. An additional battery pack can be purchased from your TOSHIBA dealer. Use it as a spare or replacement. If you use your computer at more than one site frequently, it may be convenient to purchase an additional AC adaptor for each site so you will not have to carry the adaptor with you.

### [Page 49: Chapter 2: The Grand Tour](#)

Qosmio G10 The Grand Tour This chapter identifies the various components of your computer. Become familiar with each component before you operate the computer. Certain notebook chassis are designed to accommodate all possible configurations for an entire product series. Please note that your select model may not have all the features and specifications corresponding to all of the icons or switches shown on the notebook chassis.

### [Page 50: Left Side](#)

Display latch Microphone Left side The figure below shows the computer's left side. Security lock slot USB port Security lock slot Wireless Communication switch Set the switch to off in airplanes and hospitals. Check the wireless communication indicator. It will stop glowing when the wireless communication function is off.

[Page 51](#) Keep foreign objects out of the USB connectors. A pin or similar object can damage the computer's circuitry. It is not possible to confirm the operation of all functions of all USB devices that are available. It is therefore possible that some functions on some devices may not work properly.

### [Page 52: Right Side](#)

Right side The figure below shows the computer's right side. Headphone (S/PDIF) jack Volume control Headphone (S/PDIF) jack The figures below show examples of connectors that can be plugged into the headphone jack. Please note that these plugs are not bundled with the computer: Optical digital audio out plug When you want to connect an optical digital audio-out cable with TOSLINK...

### [Page 53: Backside](#)

Microphone jack Volume control Optical media drive Universal Serial Bus (USB 2.0) port Backside The figure below shows the computer's backside. S-Video-in port Monitor-in port Modem jack In case of a lightning storm, unplug the modem cable from the telephone jack. Do not connect the modem to a digital telephone line.

[Page 54](#) Monitor-in port TV antenna port S-Video-in port Universal Serial Bus (USB 2.0) port These USB ports are located near the cooling vents which can get very hot during use. You are advised to check the guaranteed operating temperatures of your USB device should you place it close to these areas -...

[Page 55](#) External monitor port LAN jack Do not connect any cable other than a LAN cable to the LAN jack. It could cause damage or malfunction. Do not connect the LAN cable to a power supply. It could cause damage or malfunction. Link indicator (green) LAN active...

### [Page 56: Underside](#)

Underside The figure below shows the underside of the computer. Make sure the display is closed before turning over your computer. Battery safety lock Battery pack Battery safety lock Memory module cover Battery pack Battery release latch User's Manual Memory module cover Battery release latch The underside of the computer Slide the battery safety lock towards the release...

### [Page 57: Front With The Display Open](#)

Front with the display open This section shows the front of the computer with the display open. Refer to the appropriate illustration for details. To open the display, slide the display latch on the front of the display and lift up. Position the display at a comfortable viewing angle.

[Page 58](#) Hibernation Mode. Use the TOSHIBA Power Saver Utility to enable or disable this feature. The default is "enabled". Refer to the TOSHIBA Power Saver Utility and Panel Power Off/On items in Chapter 1, Introduction, for details on settings.

### [Page 59: Indicators](#)

Indicators The following section describes the system indicators and the keyboard indicators. System indicators The following indicators on the front of the computer can be monitored even when the display panel is closed. DC IN Power Battery User's Manual DCIN Power Battery System indicators)

### [Page 60: Keyboard Indicators](#)

Keyboard indicators The figures below show the positions of the keypad overlay indicators and the Caps Lock indicator. Caps Lock The following indicators show the status of the display overlay. Arrow mode indicator Numeric mode User's Manual Caps Lock indicator The Caps Lock indicator glows green when the alphabet keys are locked in uppercase.

### [Page 61: Usb Floppy Disk Drive \(Optional\)](#)

USB floppy disk drive (optional) USB floppy disk drive accommodates 1.44-megabyte or 720-kilobyte floppy disks and connects to one of the computer's USB ports. USB connector Disk-In-Use Indicator USB connector Disk-In-Use Indicator Floppy disk slot Eject button Check the Disk-In-Use indicator when you use the floppy disk drive. Do not press the eject button or turn off the computer while the light is glowing.

## [Page 62: Optical Media Drives](#)

Optical media drives One of the following optical media drives is installed in the computer: DVD-ROM&CD-R/RW and DVD Super Multi drives. An ATAPI interface controller is used for CD/DVD-ROM operation. When the computer is accessing a CD/DVD, an indicator on the drive glows. For information on loading and unloading discs refer to the media drives Region codes for DVD drives and media...

## [Page 63: Dvds](#)

DVDs DVD-R and DVD+R discs can be written only once. The recorded data cannot be erased or changed. DVD-RW, DVD+RW and DVD-RAM discs can be recorded more than once. Formats The drives support the following formats: DVD-ROM CD-DA Photo CD CD-ROM XA Mode 2 (Form1, Form2) DVD-Video DVD-ROM&CD-R/RW drive (UJDA760, DW-224-B)

## [Page 64: Dvd Super Multi Drive \(Uj820\)](#)

DVD Super Multi drive (UJ820) The full-size DVD Super Multi drive module lets you record data to rewritable CD/DVDs as well as run either 12 cm (4.72") or 8 cm (3.15") CD/ DVDs without using an adaptor. The read speed is slower at the centre of a disc and faster at the outer edge.

## [Page 65: Ac Adaptor](#)

Use only the AC adaptor that came with the computer or an equivalent optional adaptor. Use of the wrong adaptor could damage your computer. TOSHIBA assumes no liability for any damage in such case. Use only the AC adaptor supplied as an accessory. Other AC adaptors have different voltage and terminal polarities and use of them may produce heat and smoke or even result in fire or rupture.

## [Page 66: Chapter 3: Getting Started](#)

Qosmio G10 Getting Started This chapter provides basic information to get you started using your computer. It covers the following topics: Setting up your work space — for your health and safety Be sure to also read the Safety Instruction Manual. This guide, which is included with the computer, explains product liability.

## [Page 67: General Conditions](#)

General conditions In general, if you are comfortable, so is your computer, but read the following to make sure your work site provides a proper environment. Make sure there is adequate space around the computer for proper ventilation. Make sure the AC power cord connects to an outlet that is close to the computer and easily accessible.

## [Page 68: Seating And Posture](#)

Seating and posture The height of your chair in relation to the computer and keyboard as well as the support it gives your body are primary factors in reducing work strain. Refer to the following tips and to figure below. Below eye level Foot rest...

## [Page 69: Work Habits](#)

Use only the AC adaptor supplied with your computer or an equivalent adaptor that is compatible. Use of any incompatible adaptor could damage your computer. TOSHIBA assumes no liability for any damage caused by use of an incompatible adaptor. User's Manual...

## [Page 70: Opening The Display](#)

1. Connect the power cord to the AC adaptor. 2. Connect the AC adaptor's DC output plug to the DC IN 15V jack on the backside 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 71: Turning On The Power](#)

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. After you turn on the power for the first time, do not turn it off until you have set up the operating system.



## [Page 72: Starting Up For The First Time](#)

Starting up for the first time When you first turn on the power, the computer's initial screen is the Microsoft Windows XP Startup Screen Logo. Follow the on-screen directions for each screen. During setup, you can click the Back button to return to the previous screen.

[Page 73](#) For the computer to shut down in Hibernation Mode, the hibernation feature must be enabled in two places: the Hibernate tab in Power Options and Setup Action tab in TOSHIBA Power Saver. Otherwise, the computer will shut down in Standby Mode. If battery power becomes depleted, data saved in Standby Mode will be lost.

## [Page 74: Standby Mode](#)

When the AC adaptor is connected, the computer will go into Standby Mode according to the settings in the TOSHIBA Power Saver utility. To restore operation from Standby Mode, press the power button or press any key. The latter action works only if Wake-up on Keyboard is enabled in HW Setup.

## [Page 75: Restarting The Computer](#)

1. Click Start, click Turn Off Computer and click Standby. 2. Close the display panel. This feature must be enabled. Refer to the Setup Action tab in TOSHIBA Power Saver Utility described in the Control Panel. Open Performance and Maintenance and open TOSHIBA Power Saver.

## [Page 76: Restoring The Preinstalled Software](#)

Restoring the preinstalled software If preinstalled files are damaged, use the supplied product recovery media to restore them. Restoring the complete system If preinstalled files are damaged, use the QosmioPlayer Recovery CD and the Product Recovery media to restore them. Some models do not have QosmioPlayer preinstalled, therefore the QosmioPlayer Recovery CD is not available.

## [Page 77: Restoring Toshiba Utilities And Drivers](#)

Restoring TOSHIBA utilities and drivers If Windows is working properly, individual drivers or applications can be separately restored. The TOSHIBA Tools & Utilities CD-ROM contains drivers and applications, which were included with your computer system. If your system drivers or applications have become damaged in some way, this CD allows you to reinstall most of the components, which are not part of the Windows operating system.

## [Page 78: Chapter 4: Operating Basics](#)

Qosmio G10 Operating Basics This chapter gives information on basic operations including using the Touch Pad, the USB floppy disk drive (optional in some models), optical media drives, TV tuner, sound system, Modem, Wireless communication features, LAN. It also provides tips on care of the computer, floppy disks and CD/DVDs.

## [Page 79: Using The Usb Floppy Disk Drive](#)

You can also tap the Touch Pad to perform functions similar to those of the left button. Click: Tap once Double-click: Tap twice Drag and drop: Tap to select the material you want to move. Leave your finger on the Touch Pad after the second tap and move the material.

## [Page 80: Disconnecting The Usb Floppy Disk Drive](#)

Disconnecting the USB floppy disk drive When you have finished using the floppy disk drive, follow the procedures below to disconnect it: 1. Wait for the indicator light to go out to make sure all floppy disk activity has stopped. If you disconnect the floppy disk drive or turn off the power while the computer is accessing the drive you may lose data or damage the floppy disk or the drive.

[Page 81](#) b. Pressing the eject button will not open the drawer when the media drive's power is off. If the power is off, you can open the drawer by inserting a slender object (about 15 mm) such as a straightened paper clip into the eject hole just to side of the eject button. 2.

## [Page 82: Removing Discs](#)

When the drawer is fully opened, the edge of the computer will extend slightly over the CD/DVD tray. Therefore, you will need to turn the CD/DVD at an angle when you place it in the tray. After

seating the CD/DVD, however, make sure it lies flat, as shown in figure above.

### [Page 83: Tv Tuner](#)

1. To pop the drawer partially open, press the eject button. Gently pull the drawer out until it is fully opened. When the drawer pops open slightly, wait a moment to make sure the CD/DVD has stopped spinning before pulling the drawer fully open. Turn off the power before you use the eject hole.

### [Page 84: Connecting The Antenna](#)

Connecting the antenna Use the antenna adaptor cable that comes with the product to connect the antenna to your computer. Connecting the antenna adaptor When lightning occurs, do not touch the antenna line. This may cause an electric shock. If you have to operate your computer during a thunderstorm and are connecting the TV tuner to an outside antenna, you should operate your computer using AC power mode.

### [Page 85: Sound System](#)

Sound System Using the microphone Your computer has a built-in microphone that can be used to record monaural sounds into your applications. It can also be used to issue voice commands to applications that support such functions. Since your computer has a built-in microphone and speaker, "howling" may be heard under certain conditions.

### [Page 86: Toshiba Audio Effect](#)

It uses the SRS WOW XT and SRS TruSurround XT technologies that are provided by SRS Labs, Inc. For more information on using the TOSHIBA Virtual Sound, refer to its help.

### [Page 87: Writing Cds On Dvd-Rom&Cd-R/Rw Drive](#)

RICOH Co., Ltd. CD-RW (Ultra-Speed): MITSUBISHI CHEMICAL CORPORATION TOSHIBA has confirmed the operation of CD-R and CD-RW media of the manufacturers above. Operation of other media cannot be guaranteed. CD-RW can generally be rewritten about 1,000 times. However, the actual number of rewrites is affected by the quality of the media and the way it is used.

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

Do not use hard disk utilities, including those intended to enhance HDD access speed. They may cause unstable operation and damage data. Write from the computer's HDD to the CD. Do not try to write from shared devices such as a LAN server or any other network device. Writing with software other than Sonic RecordNow! has not been confirmed.

### [Page 89: Writing Cd/Dvds On Dvd Super Multi Drive](#)

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

[Page 90](#) DVD+R DL:(Double Layer Recordable DVD-RAM:(DVD Super Multi drive only) This drive cannot use discs that allow writing faster than 8 speed (DVD-R, DVD+R), 4 speed (DVD-RW, DVD+RW), 3 speed (DVD-RAM) If the disc is poor in quality, dirty or damaged, writing or rewriting errors may occur.

### [Page 91: When Writing Or Rewriting](#)

In writing to a DVD-R/-RW, DVD+R/+RW or DVD-RAM disc, some disc space is required for file management, so you may not be able to write the full capacity of the disc. Since the disc is based on the DVD standard, it might be filled with dummy data if the written data is less than about 1 GB.

### [Page 92: Recordnow! Basic For Toshiba](#)

Always copy data from the HDD to the DVD-RAM. Do not use cut-and- paste. The original data will be lost if there is a write error. RecordNow! Basic for TOSHIBA Note the following limitations when you use RecordNow!: DVD-Video cannot be created using RecordNow!.

## [Page 93: Data Verification](#)

3. Mark the Verify data written to the disc after burning check box in the Data Options. 4. Click the OK button. DLA for TOSHIBA Note the following limitations when you use DLA: This software supports only rewritable discs (DVD+RW, DVD-RW, and CD-RW).

## [Page 94: Installing Intervideo Windvd Creator](#)

Installing InterVideo WinDVD Creator To install the InterVideo WinDVD Creator, you must logon with administrator rights. Before you install InterVideo WinDVD Creator, close all programs. 1. Insert the Additional Software CD-ROM that contains WinDVD Creator Software into your optical disk drive. 2.

## [Page 95: How To Learn More About Intervideo Windvd Creator](#)

2. Before recording the video to DVD When you record to DVD media, please use only discs recommended by TOSHIBA. Do not set the working drive to a slow device like a USB 1.1 hard disk drive or the DVD will fail to write.

[Page 96](#) • Open the DVD drive. • Install, remove or connect external devices, including the following: PC Card, SD card, USB devices, external display, i.LINK. devices, optical digital devices. Please verify your disc after recording important data. DVD-R/+R/-RW discs cannot be written in VR format. A maximum of about 2 hours of video data can be written in DVD Video format to DVD-R/+R/-RW/+RW discs.

## [Page 97: Media Care](#)

Media care This section provides tips on protecting data stored on your CD/DVDs and floppy disks. Handle your media with care. The following simple precautions will increase the lifetime of your media and protect the data stored on them: CD/DVDs 1.

## [Page 98: Modem](#)

To select a region, follow the steps below. 1. Click start, point to All Programs, point to TOSHIBA, point to Networking and click Modem Region Select. Do not use the Country/Region Select function in the Modem setup utility in the Control Panel if the function is available.

## [Page 99: Modem Selection](#)

AutoRun Mode The 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. Location list for region selection. A submenu appears displaying location information for telephony.

## [Page 100: Disconnecting](#)

If you use a storage device such as an optical drive or HDD connected to a 16-bit PC Card, you might experience the following modem problems: Modem speed is slow or communication is interrupted. Skips may occur in sound. Disconnecting To disconnect the modular cable, follow the steps below.

## [Page 101: Security](#)

If this occurs you risk numerous problems that may arise from illegal intrusion, eavesdropping, and the associated potential loss or destruction of stored data. In view of this TOSHIBA strongly recommend all users enable the WEP function...

## [Page 102: Wireless Communication Switch](#)

Wireless communication switch You can enable or disable Wireless LAN and Bluetooth functions, with the wireless communication switch. No transmissions are sent or received when the switch is off. Slide the switch to the left to turn it on and to the right to turn it off.

## [Page 103: Connecting The Lan Cable](#)

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

## [Page 104: 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 105: Heat Dispersal](#)

CPU temperature by turning on the fan first, then if necessary, lowering the CPU speed. Or, by lowering the CPU speed first, then if necessary, turning on the fan. Use the Cooling Method item of the Basic Setup tab in TOSHIBA Power Saver. Maximum Performance...

## [Page 106: Chapter 5: The Keyboard](#)

Qosmio G10 The Keyboard The computer's keyboard layouts are compatible with a 101/102-key enhanced keyboard. By pressing some keys in combination, all the 101/ 102-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 107: F1 ... F12 Function Keys](#)

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

## [Page 108: Hot Keys](#)

Press Fn + F10 or Fn + F11 to access the integrated keypad. When activated, the keys with gray markings on the bottom edge become numeric keypad keys (Fn + F11) or cursor control keys (Fn + F10). Refer to Keypad overlay operate these keys.

[Page 109](#) Continue holding down Fn and press F2 again to change the setting. You can also change this setting through the profile item in TOSHIBA Power Saver. Standby: When you press Fn + F3, the computer enters Standby Mode. To avoid entering Standby Mode unexpectedly, a dialog box appears for verification.

[Page 110](#) You can also change this setting through the Screen brightness item of the Basic Setup tab in TOSHIBA Power Saver. LCD Display Brightness: Pressing Fn + F7 increases the display brightness in increments.

[Page 111](#) Each time when you press these hot keys, the display resolution changes. TOSHIBA Zooming Utility (reduce): To reduce the icon size on the desktop or the application window, press the 1 key while holding down the Fn key.

## [Page 112: Fn Sticky Key](#)

16:9. Fn Sticky key You can use the TOSHIBA Accessibility Utility to make the Fn key sticky, that is, you can press it once, release it, and then press an "F number" key. To start the TOSHIBA Accessibility Utility, click start, point to All Programs, point to TOSHIBA, point to Utilities and click Accessibility.

## [Page 113: Temporarily Using Normal Keyboard \(Overlay On\)](#)

Arrow mode To turn on the Arrow mode, press Fn + F10. The Arrow mode F10 indicator lights. Now try cursor and page control using the keys shown in the figure below. Press Fn + F10 again to turn off the overlay. Numeric mode To turn on the Numeric mode, press Fn + F11.

## [Page 114: Temporarily Using Overlay \(Overlay Off\)](#)

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 115: Chapter 6: Power](#)

Qosmio G10 Power The computer's power resources include the AC adaptor and internal batteries. This chapter gives details on making the most effective use of these resources including charging and changing batteries, tips for saving battery power, and power up modes.

Power conditions The computer's operating capability and battery charge status are affected by the power conditions: whether an AC adaptor is connected, whether a...

[Page 116](#) Battery charge adaptor is above low battery trigger connected point Battery charge is below low battery trigger point Battery charge is exhausted No battery installed User's Manual Power conditions continued Power on • Operates • LED: Battery off DC IN off •...

### [Page 117: Power Indicators](#)

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

### [Page 118: Power Indicator](#)

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 Standby Mode. Data is stored in RAM, so if the computer loses power it will be lost.

### [Page 119: Real Time Clock Battery](#)

Press [F1] key to set Date/Time. The computer's RTC battery is a Ni-MH battery and should be replaced only by your dealer or by a TOSHIBA service representative. The battery can explode if not properly replaced, used, handled or disposed of.

[Page 120](#) Never use the computer again until it has been checked by a TOSHIBA service provider. It might generate smoke or fire, or the battery pack might rupture. 3. Make sure the battery is securely installed in the computer before attempting to charge the battery pack.

[Page 121](#) 2. Never dispose of battery packs with normal trash. Bring them to your TOSHIBA dealer or to another recycling center to save resources and prevent environmental damage. Cover the terminals with electrical tape to prevent short-circuits, which could cause the battery pack to ignite or rupture.

### [Page 122: Charging The Batteries](#)

The Battery indicator glows orange when the battery is being charged. Use only the computer connected to an AC power source or the optional TOSHIBA Battery charger to charge the battery pack. Never attempt to charge the battery pack with any other charger.

### [Page 123: Monitoring Battery Capacity](#)

Therefore, an often used, older battery will not operate for as long as a new battery even when both are fully charged. In this case, TOSHIBA Power Saver will indicate a 100% charge for both the old and new battery, but the displayed estimated time remaining will be shorter for the older battery.

### [Page 124: Maximizing Battery Operating Time](#)

How you configure the computer (for example, whether you enable battery-power saving options). The computer provides a battery save mode, which can be set in TOSHIBA Power Saver, to conserve battery power. This mode has the following options: CPU processing speed...

### [Page 125: Extending Battery Life](#)

Extending battery life To maximize the life of your battery pack: At least once a month, disconnect the computer from a power source and operate it on battery power until the battery pack fully discharges. Before doing so, follow the steps below. 1.

### [Page 126: Removing The Battery Pack](#)

6. Slide the battery release latch to free the battery pack for removal, then slide out the battery pack. Battery pack For environmental reasons, do not throw away a spent battery pack. Please return spent battery packs to your TOSHIBA dealer. User's Manual Releasing the battery pack Power...

## [Page 127: Installing The Battery Pack](#)

Dispose of the battery as required by local ordinances or regulations. Use only batteries recommended by TOSHIBA as replacements. Do not touch the latch while holding the computer. You may get injured if the battery falls out of the computer through unintentional release of the latch.

## [Page 128: Toshiba Password Utility](#)

5. Slide the battery safety lock to the Lock ( ) position. Battery pack TOSHIBA Password Utility  
The TOSHIBA Password Utility provides two levels of password security: User and Supervisor. Passwords set in TOSHIBA Password Utility are different from the Windows password.

## [Page 129: Supervisor Password](#)

To set a supervisor password, follow the steps below. 1. Click Start. 2. Click Run. 3. Enter the following: C:\Program Files\Toshiba\Windows Utilities\SVPWTool\TOSPU.EXE If you set a supervisor password, some functions might be restricted when a user logs on with the user password.

## [Page 130: Power-Up Modes](#)

Refer also to the sections in Chapter 3, Getting Started. Windows utilities You can specify these various power-up settings within the TOSHIBA Power Saver utility." Hot keys You can use hot keys Fn + F3 to enter Standby Mode and Fn + F4 to enter Hibernation Mode.

## [Page 131: Chapter 7: Hw Setup](#)

Qosmio G10 HW Setup This chapter explains how to use TOSHIBA HW Setup program to configure your computer. TOSHIBA HW Setup lets you configure various settings including those for the display, boot priority, keyboard, CPU, network, device configuration, USB and button settings.

## [Page 132: Boot Priority](#)

Setup This field displays BIOS Version and date. 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 Lets you select which display will be used when the computer is booted. Auto-Selected LCD + Analog RGB Boot Priority...

[Page 133](#) You can override the settings and manually select a boot device by pressing one of the following keys while the computer is booting: Only applicable to models supplied with two hard disk drives. In this instance, CD-ROM refers to the fixed optical media drive. To change the boot drive, follow the steps below.

[Page 134](#) If only a supervisor password is set, please note the following. The menu above will appear when you use the user password to start the computer if the 'Able to run HW Setup' setting is configured. The menu above will not appear when you use the user password to start the computer if the 'Unable to run HW Setup'...

[Page 135](#) Network Boot Protocol This feature sets the protocol to remotely boot from the network. [PXE] Sets PXE as the protocol (Default). [RPL] Sets RPL as the protocol. Keyboard Wake-up on Keyboard When this feature is enabled and the computer is in Standby Mode, you can turn on the computer by pressing any key.

[Page 136](#) Device Config Device Configuration This option lets you set the device configuration. All Devices Setup by OS USB KB/Mouse Legacy Emulation Use this option to enable or disable USB KB/Mouse Legacy Emulation. If your operating system does not support USB, you can still use a USB mouse and keyboard by setting the USB KB/Mouse Legacy Emulation item to Enabled.

[Page 137](#) Button Setting Power Button Lamp This drop-down menu enables you to specify how the power button lamp glows depending on the status of your computer. Mode 1 Mode 2 Mode 3 User's Manual Always off Sets Mode1 operation where the lamp - glows blue (Power on), - glows yellow (Standby Mode), - glows orange (Power off/Hibernation Mode) (Default).

## [Page 138: Chapter 8: Using The Remote Controller, Av Buttons And Qosmioplayer](#)

Qosmio G10 Using the Remote Controller, AV Buttons and QosmioPlayer This chapter explains how to use the remote controller on Windows XP Media Center Edition and QosmioPlayer on TV Tuner models as well as providing information about AV buttons and QosmioPlayer. The state where Windows XP is active is referred to as Windows mode, whereas the state where QosmioPlayer is active QosmioPlayer mode.

## [Page 139: Windows Xp Media Center Edition And Qosmioplayer](#)

Windows XP Media Center Edition and QosmioPlayer Windows XP Media Center Edition Do not install other TV viewing software such as WinDVR otherwise the system may not function properly. Windows XP Media Center Edition provides the following functionality. Watch TV or a DVD movie. Pause, rewind, and fast forward TV programs using the Media Center time shifting feature.

[Page 140](#) The figure below shows the buttons on the Remote Controller. Refer to the descriptions on the next pages for the functions of each button. Record Play Rewind Replay Back Volume + Volume - Recorded Guide Remote Controller for models with Windows XP Media Center Edition Power Record Stop...

[Page 141](#) Rewind Play Fast forward Replay Pause Skip Start Back Guide Arrows Live TV More Info Volume + Volume - User's Manual Using the Remote Controller, AV Buttons and QosmioPlayer Rewinds the currently selected media (video, DVD, music, etc). Plays the selected media. Fast forwards the currently selected media (video, DVD, music, etc).

[Page 142](#) Mute Channel/Page up(+) and down(-) DVD Menu Recorded TV User's Manual Using the Remote Controller, AV Buttons and QosmioPlayer Turns your computer sound off. Changes the TV channel or moves a page up and down, depending on the available options. Opens the main menu on a DVD movie, if available.

## [Page 143: Functions Via The Remote Controller And The Keyboard In The Qosmioplayer Mode](#)

Functions via the Remote Controller and the keyboard in the QosmioPlayer mode The list shows how the functions available from the keyboard correspond to those available from the Remote Controller in the QosmioPlayer mode. Note that some functions via the Remote Controller in the list may not be supported by the Remote Controller you are using.

[Page 144](#) 1, 0 1, 1 1, 2 DVD Menu F8 or F9 Arrow up Arrow left Enter Arrow right Arrow down Back CH PG + CH PG - Volume + Ctrl + User's Manual Using the Remote Controller, AV Buttons and QosmioPlayer Select channel 3 Select track 3 Select channel 4...

[Page 145](#) Volume - Ctrl + Mute Space Play/Pause Ctrl + Space Ctrl + R Ctrl + S More Y (or Z) Guide User's Manual Using the Remote Controller, AV Buttons and QosmioPlayer Decreases the volume volume Mute the volume Mute the volume Rewinds by about 10 seconds...

## [Page 146: Av Buttons Function](#)

AV Buttons function This section describes the functions of the AV buttons in the Windows mode and QosmioPlayer mode. Windows mode TV tuner model Ten buttons are available for use: TV, CD/DVD, Play/Pause, Stop, Previous, Next, Record, Brightness, Monitor-in, TV-out. These buttons allow you to manage Audio/Video, run applications and access utilities.

[Page 147](#) Brightness button Monitor-in button TV-out button Non TV tuner model Ten buttons are available for use: Internet, CD/DVD, Play/Pause, Stop, Previous, Next, TV-out, Brightness, Zoom out (-), Zoom in (+). These buttons allow you to manage Audio/Video, run applications and access utilities.

## [Page 148: Qosmioplayer Mode](#)

Previous button Next button TV-out button Brightness button Zoom out (-) button Zoom in (+) button QosmioPlayer mode Function list for TV/DVD/CD Software in QosmioPlayer mode Icon AV Button (TV tuner model only) CD/DVD Play/Pause Stop Previous Next User's Manual Using the Remote Controller, AV Buttons and QosmioPlayer Press this button to advance to the previous



track, chapter or data.

### [Page 149: Qosmioplayer](#)

Brightness Monitor-in (TV tuner model only) QosmioPlayer The section describes the QosmioPlayer. Qosmio Engine You are able to enjoy vivid and striking visuals through the full-screen capability of WinDVD and the Qosmio Engine feature of QosmioPlayer. Modes There are three modes available as follows: Dynamic: Users can enjoy videos in a bright and exciting way.

### [Page 150: Restrictions Of The Qosmioplayer](#)

Restrictions of the QosmioPlayer The current mode will be maintained and restored the next time the computer is switched on or is restarted from either Standby Mode or Hibernation Mode. The Qosmio Engine is available only for the LCD and has the following restrictions.

[Page 151](#) Windows sounds are still heard even when the mode has been switched to Monitor-in. Fn+F1/Fn+F5 are not available. With the Monitor-in mode, the screens of other applications will be invisible. This condition may cause you to operate an application incorrectly by pressing a mouse button or any key on the keyboard. To prevent operational errors, it is recommended to perform the following: Close any applications running on your system.

### [Page 152: Using The Remote Controller](#)

Using the Remote Controller The Remote Controller is only provided with the TV Tuner models. This computer includes a remote controller that allows you to perform some functions without getting up and using the computer. The Remote Controller is designed specifically for this computer. Some application programs may not support remote control functions.

[Page 153](#) 2. Connect the external remote control receiver to one of the computer's USB ports. 3. Connect the infrared transmitter cable to the external remote control receiver. Please note that your satellite dish or cable TV remote control must be compatible in order for it to function. Infrared transmitter cable Connecting the infrared transmitter cable to the remote control receiver...

### [Page 154: Operational Range Of The Remote Control](#)

Operational range of the remote control Remote Controller is provided with some models. Point the remote control at your computer and press a button. The operational angle and distance are described below. Distance Angle Infrared receiver window 30degrees Remote Controller User's Manual Using the Remote Controller, AV Buttons and QosmioPlayer Within 5 m from the infrared receiver window.

### [Page 155: Installing/Removing Batteries](#)

Installing/Removing batteries Please ensure that you have installed the batteries provided with this product before using the Remote Controller. The procedures for installing and removing the battery vary depending on the type of the Remote Controller. Check the type and then install or remove the battery as instructed.

### [Page 156: Remote Controller](#)

Remote Controller Type of battery that can be used for the Remote Controller When the batteries shipped with the Remote Controller has discharged replace it with a single CR2025 (or equivalent) Ni-MH battery. Other types or battery cannot be used. If you use the product for the first time, you may see an insulating seal on the battery terminal.

[Page 157](#) Using the Remote Controller, AV Buttons and QosmioPlayer Battery holder Battery Removing the battery 3. Replace the battery with a new one. Reinstall the battery holder. Close the Battery holder securely until it clicks. Battery holder Reinstalling the battery holder User's Manual 8-20...

### [Page 158: Switching Video Input](#)

TV mode, video may be displayed differently from the original. We recommend you check a mode before selecting it. 1. Select Start -> All Programs -> TOSHIBA -> Utilities -> Picture Enhancement Utility. The TOSHIBA Picture Enhancement Utility window appears.

[Page 159](#) 2. Click the Monitor Input Settings button in the TOSHIBA Picture Enhancement Utility window. The Monitor Input Settings window appears. 3. Select the item for the Terminal



Shape. Select the S-Video item for the Terminal Shape. (Using the S-Video-in port for video input) Select the Monitor-in item for the Terminal Shape.

## [Page 160: Chapter 9: Optional Devices](#)

Qosmio G10 Optional Devices Optional devices can expand the computer's capabilities and its versatility. This chapter describes connection or installation of the following devices, which are available from your TOSHIBA dealer: Cards/memory PC Card Bridge media slot SD card Memory Stick/Memory Stick Pro...

## [Page 161: Pc Card](#)

The computer is equipped with a PC Card slot that can accommodate one 5 mm Type II card. Any PC Card that meets industry standards either manufactured by TOSHIBA or other vendor can be installed. The slot supports 16-bit PC Cards, including PC Card 16's multifunction card and CardBus PC cards.

## [Page 162: Bridge Media Slot](#)

Memory Stick Memory Stick PRO xD picture card MultiMediaCard TOSHIBA are unable to test every variation of these cards that are available and therefore cannot guarantee that all cards will operate properly. SD card The computer is equipped with a Bridge media slot that can accommodate Secure Digital flash memory cards with various memory capacities.

## [Page 163: Formatting An Sd Card](#)

SD memory cards are sold with format in conformity to the Standards of SD memory card. If you format the SD card again, be sure to format it with the utility of TOSHIBA SD memory card format, not in the format defined as the Windows standard format.

## [Page 164: Removing An Sd Card](#)

Removing an SD card To remove an SD card, follow the steps below. 1. Open the Safely Remove Hardware icon on the Task Bar. 2. Point to Safely Remove Secure Digital Storage Device-Drive (X:) and click. 3. Push in the card and release it to pop the card out slightly. 4.

## [Page 165: Memory Stick/Memory Stick Pro](#)

Memory Stick/Memory Stick Pro The computer is equipped with a Bridge media slot that can accommodate Memory Stick flash memory cards with various memory capacities. Memory Stick lets you easily transfer data from devices, such as digital cameras and Personal Digital Assistants, that use Memory Stick flash memory. Keep foreign objects out of the Bridge media slot.

## [Page 166: Xd Picture Card](#)

Do not remove a Memory Stick while the computer is in Standby Mode or Hibernation Mode. The computer could become unstable or data in the Memory Stick could be lost. xD picture card The computer is equipped with the Bridge media slot that can accommodate xD picture cards with various memory capacities.

## [Page 167: Multimediacard](#)

3. Do not expose memory cards to liquids or store in humid areas or lay media close to containers of liquid. 4. Do not touch the metal part of a memory card or expose it to liquids or let it get dirty. 5.

[Page 168](#) Removing a MultiMediaCard To remove a MultiMediaCard, follow the steps below. 1. Open the Safely Remove Hardware icon on the Task Bar. 2. Point to Safely Remove Secure Digital Storage Device-Drive (X:) and click. 3. Push in the card and release it to pop the card out slightly. 4.

## [Page 169: Memory Expansion](#)

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

## [Page 170: Removing Memory Modules](#)

5. Slide your fingernail or a thin object under the cover and lift it off. Memory module cover 6. Fit the memory module's connectors into the socket at about a 45 degree angle and push the module down until latches on either side snap into place.

## [Page 171: Battery Packs](#)

3. Turn the computer upside down and remove the battery pack. Refer to Replacing the battery pack 4. Loosen the screw securing the memory module cover. The screw is attached to the cover to prevent it from being lost. 5. Slide your fingernail or a thin object under the cover and lift it off. 6.

## [Page 172: Battery Charger](#)

Battery charger The battery charger provides a convenient way to charge battery packs without requiring the use of your computer. The battery charger holds up to two lithium ion battery packs. USB floppy disk drive The USB floppy disk drive module can be connected to the USB port. For details on connecting the USB floppy disk drive module, refer to Chapter 4, Operating Basics.

## [Page 173: Installation](#)

Installation Connection via the S-Video out port 1. Plug one end of the S-Video out cable into the S-Video out port of your computer. 2. Insert the other end of the S-Video out cable into the S1-/S2 video input of the TV set. You can use your computer's speakers or a set of headphones to get sound.

## [Page 174: Settings For Display Video On Tv](#)

Settings for display video on TV To view video on the TV set, be sure to configure the following settings. If not, nothing will be displayed on the TV screen. Be sure to select the display device on which the video image is to be displayed before commencing playback.

## [Page 175: Monitor-In](#)

Monitor-in Set up Terminal Shape before connecting with Monitor-in port. Refer to the section Switching video Input AV Buttons and QosmioPlayer for details. Model with the TV Tuner The Monitor-in feature allows you to connect the following devices to display video on the built-in LCD. Analog video camera Analog video deck/recorder Home TV game machine...

## [Page 176: Exiting The QosmioPlayer Mode](#)

3. Insert the plugs at the other end of the output cable of the device you wish to use into the output terminals of that device. 4. Power on the device you wish to use (connected via the output cable). 5.

## [Page 177: Model Without The Tv Tuner](#)

2. Insert the corresponding plugs of the audio cable into the sound input terminals (red: sound, right channel, white: sound, left channel) of the Monitor-in cable. 3. Insert the other end of the audio cable into the line out port of the audio device.

## [Page 178: Model Without The Tv Tuner](#)

There is a possibility that the original data will be damaged. There is a particular risk that some frames will be deleted in the case of digital video transfer. TOSHIBA assumes no liability for such loss of data. User's Manual...

## [Page 179: Connecting](#)

Do not transfer data in areas where static electricity is easily generated or in areas subjected to electronic noise. Data can be destroyed. If you are transferring data through an IEEE1394 hub, do not connect or disconnect other devices from the hub during data transfer. There is a likelihood that data will be damaged.

## [Page 180: Disconnecting](#)

Disconnecting 1. Open the Safety 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

Security locks enable you to anchor your computer a desk or other heavy object to help prevent unauthorized removal of the computer.

### [Page 181: Chapter 10: Troubleshooting](#)

Qosmio G10 Troubleshooting TOSHIBA designed the computer for durability. However, should problems occur, following the procedures in this chapter can help to determine the cause. All readers should become familiar with this chapter. Knowing what might go wrong can help prevent problems from occurring.

### [Page 182: 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 183: Hardware And System Checklist](#)

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 Password Keyboard LCD panel Hard disk drive DVD-ROM&CD-R/RW drive DVD Super Multi drive USB floppy disk drive PC Card...

### [Page 184: Self Test](#)

This message remains on the screen for a few seconds. If the self test is successful, the computer tries to load the operating system, depending on how the Boot Priority is set in the TOSHIBA HW Setup program. If any of the following conditions are present, the self test failed: The computer stops and does not proceed to display information or messages except the Qosmio logo.

### [Page 185: Ac Power](#)

AC power If you have trouble turning on the computer with the AC adaptor connected, check the DC IN indicator. Refer to Chapter 6, for more information. Problem AC adaptor doesn't power the computer (DC IN indicator does not glow green) Battery If you suspect a problem with the battery, check the DC IN indicator as well as the Battery indicator.

### [Page 186: Password](#)

If you do not think the battery is at the end of its operating life, see your dealer. Check the power consumption settings in TOSHIBA Power Saver utility. Consider using a power saving mode. Procedure The RTC battery charge is getting low or is exhausted.

### [Page 187: Keyboard](#)

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 Apparent LCD problems may be related to the computer's setup. Refer to Chapter 7, Problem No display...

### [Page 188: Dvd-Rom&Cd-R/Rw Drive](#)

Problem Slow performance DVD-ROM&CD-R/RW drive For more information, refer to Chapter 4, Problem You cannot access a CD/DVD in the drive Some CD/DVDs run correctly, but others do User's Manual Procedure Your files may be fragmented. Run Disk Defragmenter to check the condition of your files and disk.

### [Page 189: Dvd Super Multi Drive](#)

User's Manual Procedure If you have trouble writing, make sure you are observing the following precautions: Use only media recommended by TOSHIBA. Do not use the mouse or keyboard during writing. Use only the software supplied with the computer for recording.

### [Page 190: Usb Floppy Disk Drive](#)

USB floppy disk drive For more information, refer to Chapter 4, Problem Drive does not operate There may be a faulty cable connection. Check You cannot access the external USB floppy disk drive PC Card Refer also to Chapter 9, Problem PC Card error occurs User's Manual...

## [Page 191: Sd Card](#)

SD card Refer also to Chapter 9, Problem SD card error occurs You cannot write to an SD card You cannot read a file Memory Stick/Memory Stick Pro Refer also to Chapter 9, Problem Memory Stick/Memory Stick Pro error occurs You cannot write to an Memory Stick/Memory Stick Pro...

## [Page 192: Multimediacard](#)

MultiMediaCard Refer also to Chapter 9, Problem MultiMediaCard error occurs You cannot write to an MultiMediaCard You cannot read a file Infrared receiver window Refer also to the documentation for your IrDA compatible device and related software. Problem Infrared devices do not work as expected User's Manual Optional Devices...

## [Page 193: Pointing Device](#)

Pointing device If you are using a USB mouse, also refer to the USB section in this chapter and to your mouse documentation. Touch 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...

## [Page 194: Usb](#)

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 Memory expansion Refer also to Chapter 9, information on installing memory modules. Problem Beeps sound in the pattern of one, three,...

## [Page 195: Sound System](#)

Sound system Problem No sound is heard Monitor Refer also to Chapter 9, your monitor's documentation. Problem Monitor does not turn No display Display error occurs Modem Problem Communication software can't initialize modem You can hear a dial tone but can't make a call You place a call, but a connection can't be...

## [Page 196: Lan](#)

Problem After making a call you can't hear a ring Communication is cut off unexpectedly A CONNECT display is quickly replaced by NO CARRIER Character display becomes garbled during a communication You cannot receive an incoming call Problem Cannot access LAN Wake-up on LAN does not work Wireless LAN...

## [Page 197: Tv Output Signal](#)

TV output signal Problem Display on TV is poor No display If you turn the computer off in Standby Mode while the display is on TV, the computer will select either the internal LCD or an external computer CRT as the display device the next time it is started. i.LINK (IEEE1394) Problem i.LINK device does not...

## [Page 198: Toshiba Support](#)

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

## [Page 199: Specifications](#)

Qosmio G10 Specifications This appendix summarizes the computer's technical specifications. Physical Dimensions Weight (typical) Size Environmental Requirements Conditions Operating Non-operating Thermal Gradient Wet-bulb temperature Conditions Operating Non-operating User's Manual Appendix A 3.7 kilograms, configured with: Pentium-M processor 2.0 GHz, 17.0" WXGA+, 1024MB+1024MB RAM, 100GB+100GB HDD, DVD Super Multi drive, TV tuner, LAN, Wireless LAN Intel-abg, BT.

## [Page 200: Power Requirements](#)

Power Requirements AC adaptor Computer Built-in Modem Network control unit (NCU) Type of NCU Type of line Type of dialing Control command Monitor function Communication specifications Communication system Communication protocol User's Manual 100-240 volts AC 50 or 60 hertz (cycles per second) 15 VDC 8.0 amperes Telephone line (analog only)

[Page 201](#) Communication speed Transmitting level Receiving level Input/output impedance Error correcting Data compression Power supply 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 28000/29333/30666/32000/33333/34666/36000/ 37333/38666/40000/41333/42666/44000/45333/ 46666/48000/49333/50666/52000/53333/54666/ 56000 bps 2400/4800/7200/9600/12000/14400 bps -10 dBm -10 to -40 dBm 600 ohms  $\pm 30\%$  MNP class 4 and ITU-T V.42 MNP class 5 and ITU-T V.42bis...

## [Page 202: Display Controller And Modes](#)

Qosmio G10 Display Controller and Modes Display controller The display controller interprets software commands into hardware commands that turn particular picture elements (pels) on or off. The controller is an advanced Video Graphics Array (VGA) that provides Super VGA (SVGA) and Extended Graphics Array (XGA) support for the internal LCD and External monitors.

[Page 203](#) Video Type Resolution Character mode 0, 1 40  $\times$  25 Text Characters 2, 3 80  $\times$  25 Text Characters 0\*, 1\* 40  $\times$  25 Text Characters 2\*, 3\* 80  $\times$  25 Text Characters 0+, 1+ 40  $\times$  25 Text Characters 2+, 3+ 80  $\times$  ...

[Page 204](#) Table1 Video modes (VGA) continued Video Type Resolution Character mode 320  $\times$  200 Grph Pels 640  $\times$  200 Grph Pels 640  $\times$  350 Grph Pels 640  $\times$  350 Grph Pels 640  $\times$  480 Grph Pels 640  $\times$  480 Grph Pels 320  $\times$  ...

[Page 205](#) Vertical Frequency can be set up when outputting to External Monitor.. Resolution 640  $\times$  480 800  $\times$  600 1024  $\times$  768 1280  $\times$  1024 (Virtual)\* 1440  $\times$  900 1600  $\times$  1200 (Virtual)\* 1920  $\times$  1440 (Virtual)\* 2048  $\times$  1536 (Virtual)\* User's Manual Table 2 Video modes (SVGA) colours...

[Page 206](#) Table 2 Video modes (SVGA) continued Resolution 640  $\times$  480 800  $\times$  600 1024  $\times$  768 1280  $\times$  1024 (Virtual)\* 1440  $\times$  900 1600  $\times$  1200 (Virtual)\* 1920  $\times$  1440 (Virtual)\* 2048  $\times$  1536 (Virtual)\* User's Manual colours colours 64K/64K 64K/64K 64K/64K 64K/64K...

[Page 207](#) Table 2 Video modes (SVGA) continued Resolution 640  $\times$  480 800  $\times$  600 1024  $\times$  768 1280  $\times$  1024 (Virtual)\* 1440  $\times$  900 1600  $\times$  1200 (Virtual)\* 1920  $\times$  1440 (Virtual)\* 2048  $\times$  1536 (Virtual)\* \* Only when displaying on LCD. Some video modes do not support multimonitor display.

## [Page 208: Card Specifications](#)

Qosmio G10 Wireless LAN This appendix is intended to help you get your Wireless LAN network up and running, with a minimum of parameters. Card Specifications Form Factor Compatibility Network Operating System Media Access Protocol Data Rate \* The Transmit Rate (xx Mbit/s) is the theoretical maximum speed under the IEEE802.11 (a/b/g) standard.

[Page 209](#) Wireless communication is often subject to local radio regulations. Although Wireless LAN wireless networking products have been designed for operation in the license-free 2.4GHz and 5GHz band, local radio regulations may impose a number of limitations to the use of wireless communication equipment.

[Page 210](#) Wireless IEEE 802.11 Channels Sets (Turbo Mode) Frequency Range Channel ID When installing Wireless LAN cards, the channel configuration is managed as follows: For wireless clients that operate in a Wireless LAN Infrastructure, the Wireless LAN card will automatically start operation at the channel identified by the Wireless LAN Access Point.

[Page 211](#) Wireless Channels Sets (Turbo Mode) Frequency Range Channel ID User's Manual 5240 5260 5280 5300 5320 5500\* 5520\* 5540\* 5560\* 5580\* 5600\* 5620\* 5640\* 5660\* 5680\* 5700\* 5745\* 5765\* 5785\* 5805\* 5150-5850 MHz 5210\* 5250\* Wireless LAN US only \* US only \* US only \* US only \*...

[Page 212](#) \*1 Factory-set default channels \*2 Refer to the sheet Approved Countries/Regions for use for the countries/ regions that in which these channels can be used. \*3 These channels are available to A/B/G combo type only. \*4 Available Area: US (USA, CANADA) only. User's Manual 5290\* 5760\*...

## [Page 213: Ac Power Cord And Connectors](#)

Qosmio G10 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 214](#) France: Germany: In Europe, power cords must be VDE type, H05VVH2-F and two conductors. For the United States and Canada, plug configuration must be a 2-15P (250 V) or 1-15P (125 V) as designated in the U.S. National Electrical code handbook and the Canadian Electrical Code Part II.

[Page 215](#) This configuration is designed to work with a signal from a conventional (standard or analog) TV antenna. TOSHIBA does not guarantee that signals received by satellite or cable TV receivers will work properly and does not provide technical support for them.

## [Page 216: If Your Computer Is Stolen](#)

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

## [Page 217: Toshiba Theft Registration](#)

If your computer is stolen TOSHIBA Theft Registration Send to: TOSHIBA Europe GmbH Technical Service and Support Leibnizstr. 2 93055 Regensburg Germany Fax number: +49 (0) 941 7807 921 Country stolen: Machine type: (e.g. Qosmio G10) Model number: (e.g. PSA50 YXT) Serial number: (e.g.

[Page 218](#) Qosmio G10 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 ANSI: American National Standards Institute APM: advanced power manager ASCII: American Standard Code for Information Interchange BIOS: basic input output system CD-ROM: Compact Disc-Read Only Memory CD-RW: Compact Disc-Read/Write...

[Page 219](#) I/O: input/output IrDA: Infrared Data Association IRQ: interrupt request KB: kilobyte LCD: liquid crystal display LED: light emitting diode LSI: large scale integration MB: megabyte OCR: optical character recognition (reader) PCB: printed circuit board PCI: peripheral component interconnect RAM: random access memory RGB: red, green, and blue ROM: read only memory RTC: real time clock...

[Page 220](#) ANSI: American National Standards Institute. An organization established to adopt and define standards for a variety of technical disciplines. For example, ANSI defined the ASCII standard and other information processing requirements. antistatic: A material used to prevent the buildup of static electricity. application: A group of programs that together are used for a specific task such as accounting, financial planning, spreadsheets, word processing and games.

[Page 221](#) byte: The representation of a single character. A sequence of eight bits treated as a single unit; also the smallest addressable unit within the system. 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.

[Page 222](#) compatibility: 1) The ability of one computer to accept and process data in the same manner as another computer without modifying the data or the media upon which it is being transferred. 2) the ability of one device to connect to or communicate with another system or component.

[Page 223](#) default: The parameter value automatically selected by the system when you or the program do not provide instructions. Also called a preset value. delete: To remove data from a disk or other data storage device. Synonymous with erase. device driver: A program that controls communication between a specific peripheral device and the computer.

[Page 224](#) (FDD): An electromechanical device that reads and writes to floppy disks. Fn-esse: A TOSHIBA utility that lets you assign functions to hot keys. folder: An icon in Windows used to store documents or other folders. 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.

[Page 225](#) Fn, can be used to set system parameters, such as speaker volume. HW Setup: A TOSHIBA utility that lets you set the parameters for various hardware components. icon: A small graphic image displayed on the screen or in the indicator panel.

[Page 226](#) IrDA 1.1: An industry standard that enables cableless infrared serial data transfer at speeds of up to 4 Mbps. jumper: A small clip or wire that allows you to change the hardware characteristics by electrically connecting two points of a circuit. K: Taken from the Greek word kilo, meaning 1000;...

[Page 227](#) microprocessor: A hardware component contained in a single integrated circuit that carries out instructions. Also called the central processing unit (CPU), one of the main parts of the computer. mode: A method of operation, for example, the boot mode, Standby Mode or the Hibernation Mode.

[Page 228](#) The electrical connection through which the computer sends and receives data to and from devices or other computers. Power Saver Utility: A TOSHIBA utility that lets you set the parameters for various power-saving functions. printed circuit board (PCB): A hardware component of a processor to which integrated circuits and other components are attached.

[Page 229](#) A Class A device is sufficient for office use. Class B provides a more stringent classification for home equipment use. TOSHIBA portable computers comply with Class B computing device regulations. Random Access Memory (RAM): High speed memory within the computer circuitry that can be read or written to.

[Page 230](#) TFT display: A liquid crystal display (LCD) made from an array of liquid crystal cells using active-matrix technology with thin film transistor (TFT) to drive each cell. Touch Pad: A pointing device integrated into the TOSHIBA computer palm rest. TTL: Transistor-transistor logic. A logic circuit design that uses switching transistors for gates and storage.

[Page 231](#) warm start: Restarting or resetting a computer without turning it off. window: A portion of the screen that can display its own application, document or dialog box. Often used to mean a Microsoft Windows window. Wireless LAN: Local Area Network (LAN) through wireless communication.

[Page 232](#) 2-11, 6-3 DC IN indicator 1-7, 2-9 Display 1-10 automatic power off brightness decreases 1-7, B-1 controller hinge opening 1-14, 4-16 DLA for TOSHIBA Documentation list DVD Super Multi drive location using DVD-ROM&CD-R/RW drive location using 4-10 writing Environment Equipment checklist...

[Page 233](#) Floppy disk 9-13 additional using Fn + Ctrl (enhanced keyboard's simulation) Fn + Enter Fn + Esc (sound mute) Fn + F1 (instant security) Fn + F2 (power save mode) Fn + F3 (standby) Fn + F4 (hibernation) Fn + F5 (display selection) Fn + F6 (Display Brightness decreases) Fn + F7 (Display Brightness increases) Fn + F8 (wireless setting)

[Page 234](#) Monitor overheating power down 10-6 Password User's Manual PC card Power Real Time Clock Self test Sound system 6-16 Support from TOSHIBA System start-up Wireless LAN Processor Qosmio Engine RecordNow! Remote Controller Restarting the computer SD card care formatting installing...

[Page 235](#) TOSHIBA PC DiagnosticTool 1-12 TOSHIBA Power Saver TOSHIBA Theft Registration TOSHIBA Zooming Utility Touch Pad location using 1-9, 4-6 TV Tuner 9-13 2-2, 2-5 location User's Manual 1-14 Video modes Video RAM 1-13 Wireless communication switch indicator Wireless LAN using...

This manual is also suitable for:

[Pqg10c-gp202eQosmio g10](#)