DVD

Toshiba SD-R1002 User Manual

Cd-rw/dvd-rom combo drive

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Troubleshooting

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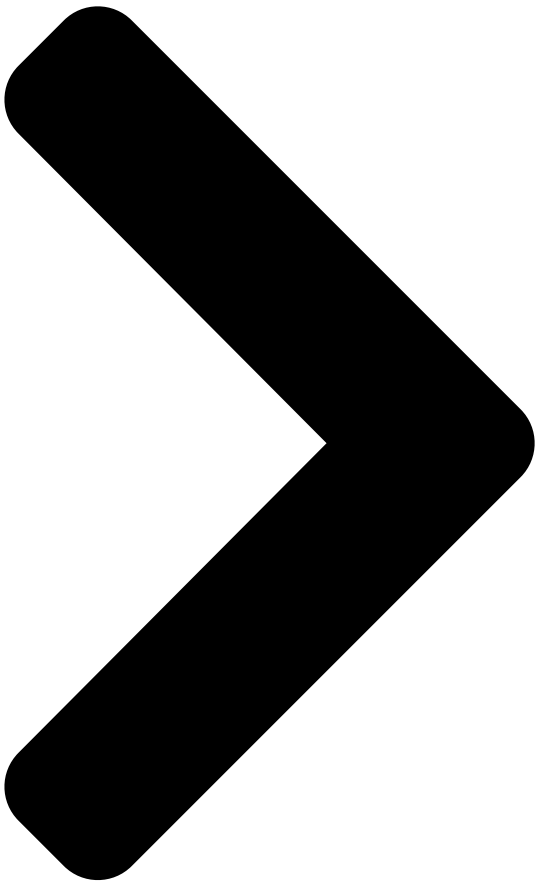

TOSHIBA AMERICA INFORMATION SYSTEMS
STORAGE DEVICE DIVISION
IRVINE, CALIFORNIA

TOSHIBA

SD-R1002

CD-RW/DVD-ROM COMBO DRIVE

USER MANUAL

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Related Manuals for Toshiba SD-R1002

CD/CDR Drive Toshiba SD-R1002 Installation Instructions Manual

Cd-rw/dvd-rom drive (12 pages)

DVD Drive Toshiba SD-R1102 Installation Instructions Manual

Cd-rw/dvd-rom drive with vob instantcd/dvd and cyberlink powerdvd software (16 pages)

DVD Drive Toshiba SD-R1102 User Manual

Cd-rw/dvd-rom combo drive (16 pages)

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DVD Drive Toshiba SD-R1612 User Manual

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DVD Drive Toshiba SD-R1312 User Manual

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DVD Drive Toshiba SD-R2612 User Manual

Cd-rw/dvd-rom combination mobile drive (13 pages)

DVD Drive Toshiba SD-R5272 Installation Instructions Manual

Dvd writeable drive (14 pages)

DVD Drive Toshiba SD-R5272 User Manual

Dvd rewriteable drive (19 pages)

DVD Drive Toshiba SD-R6472 User Manual

Dvd rewriteable mobile drive (14 pages)

DVD Drive Toshiba R6472 - DVD±RW Drive - IDE Specifications

Dvd writable drive (35 pages)

DVD Drive Toshiba SD-R6112 Product Specification

Dvd-r/-rw drive (34 pages)

DVD Drive Toshiba SD-R6012 User Manual

Dvd rewriteable mobile drive (13 pages)

DVD Drive Toshiba SD-R6112 User Manual

Dvd rewriteable mobile drive (13 pages)

DVD Drive Toshiba SD-R5002 User Manual

Dvd rewriteable drive (18 pages)

Summary of Contents for Toshiba SD-R1002

Page 1 TOSHIBA AMERICA INFORMATION SYSTEMS STORAGE DEVICE DIVISION IRVINE, CALIFORNIA SD-R1002 CD-RW/DVD-ROM COMBO DRIVE USER MANUAL...

Page 2: Table Of Contents

CONTENTS Introduction...1 Setup ...3 Using the Combo Drive ...6 Troubleshooting...9 Specifications ...10 Drive Connectors...13...

Page 3: Introduction

INTRODUCTION – SD-R1002 General Features CD-RW disc write/rewrite at 1X, 2X and 4X 3-way Disc Eject (eject button, software, emergency eject hole) Average Random Access Time 110ms DVD-ROM 160ms Horizontal or Vertical Mount 2MB Buffer Playback interchangeability for CD-ROM and DVD-ROM discs...

Page 4 Front Panel Figure 1.SD-R1002 DVD Writeable Drive Front Panel Loading Tray Load disc using tray. LEDs The LED lights green or amber when the drive is operating (LED is amber when drive is writing.) Load/Unload Button The Load/Unload button is used to open the disc tray so you can install or remove a disc.

Page 5: Setup

SETUP – SD-R1002 The following steps must be performed to properly install your drive: • Set Drive Jumper Settings • Connect Audio Cable • Attach IDE BUS Cable • Attach Power Cable • Mount Drive Jumper Settings The mode select jumpers are 6 straight angle pins located on the rear of the Combo drive.

Page 6 If the Combo drive is replacing a CD-ROM or DVD-ROM, remove drive presently installed in your system. Your Toshiba Combo drive can be placed in any free half-height drive slot at the front of your computer. (It can be mounted horizontally or vertically.) Carefully start sliding the Combo drive into the opening with the disc tray facing the front of the computer.

Page 7 DOS, download the DOS ATAPI driver from our web site. Other Software - Additional software is required to use the SD-R1002 CD-R/-RW and DVD functions. When you purchase the SD-R1002 as a kit, it will include the following software (Nero6): •...

Page 8: Using The Combo Drive

USING THE DVD Combo Drive – SD-R1002 Drive Operation Inserting a Disc - Horizontally To insert a disc into a drive that is mounted horizontally, perform the following steps: Figure 1.Inserting Disc 1. Open the drive's Loading tray by pressing the Eject Button.

Page 9 3. Grasp disc by edges, and lift out of loading tray. 4. Press Eject Button again to close Loading Tray. Software When you purchase the SD-R1002 as a Kit, it will include Nero6 OEM Suite Software, which is used to create CDs and view DVDs. Usage Guidelines •...

Page 10 Emergency Ejection CAUTION: The following procedure is intended only as a last resort when pressing the eject button fails to open the Loading Tray 1. Turn computer power OFF by properly shutting down system. 2. Insert a solid bar (i.e. large paper clip) into Emergency Eject hole and push in until loading tray opens.

Page 11: Troubleshooting

TROUBLESHOOTING – SD-R1002 Problem Disc tray cannot be opened Drive is not recognized by system Drive is not recognized by system during Boot process, recognized Operating System (i.e. XP, Win2000, Win98, Win NT, etc.) BUSY Indicator LED flashes slowly BUSY Indicator LED is constantly...

Page 12: Specifications

SPECIFICATIONS – SD-R1002 General Interface: ATAPI Applicable Formats - Write: Formats for Writing Disc at once, Track at once, session at once, Packet Write, incremental write, restricted overwrite Applicable Write Disc – CD-DA, CD+(E)G, CD-MIDI, CD-ROM, CD-ROM XA, CD-I, MIXED MODE...

Page 13 Transfer Rate DVD-ROM CD-ROM Random Access Time Data Error Rate DVD-ROM CD-ROM Data Buffer Reliability MTBF Power ON Hours ON/OFF Cycles Number of Access Operating Duty Cycle MTTR Environmental Ambient Temperature Operating Storage Shipping Temperature Gradient Operating Storage/Shipping Relative Humidity Operating Storage/Shipping Vibration...

Page 14 Height Width Depth Weight Connectors DC input ATAPI Interface Connector Audio Connectors Regulatory The SD-R1002 Combo drive has been certified by the following regulatory agencies: • UL 1950 • CSA C22.2 No. 950 • TUV (EN60950I) • CE standard •...

Page 15: Drive Connectors

ON Audio Supplies Analog and Digital sound to your system. Connectors The SD-R1002 DVD drive is connected to your computer system through the ATAPI ATAPI connector Connector The mode select jumpers are 6 straight angle pins located on the rear of the DVD drive.

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Table 1.Interface Pin Assignments SIGNAL HOST SIGNAL NAME NAME Reset Host Reset Host Data Bus BIT 7 Host Data Bus BIT 8 Host Data Bus BIT 6 Host Data Bus BIT 9 Host Data Bus BIT 5 HD10 Host Data Bus Bit 10 Host Data Bus BIT 4 HD11 Host Data Bus BIT 11...