NOTE

Keep this guide in a convenient place to access important information about your external device.

WARNING

Handling the cord on this product will expose you to lead, a chemical known to the State of California to cause birth defects or other reproductive harm. Wash hands after handling.
**FCC information**

Product Name: External DVD SuperMulti Drive  
Model number: PA3454U-1DV2

**FCC notice “Declaration of Conformity Information”**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

❖ Reorient or relocate the receiving antenna.  
❖ Increase the separation between the equipment and receiver.  
❖ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.  
❖ Consult the dealer or an experienced radio/TV technician for help.

**NOTE**  
Changes or modifications made to this equipment, not expressly approved by TOSHIBA or parties authorized by TOSHIBA could void the user’s authority to operate the equipment.
FCC conditions

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Contact:
TOSHIBA America Information Systems, Inc.
9740 Irvine Boulevard
Irvine, California 92618-1697
Telephone: (949) 583-3000

EU Declaration of Conformity

TOSHIBA declares, that the product: PA3454U-1DV2 conforms to the following Standards:

Supplementary information:


This product is carrying the CE-Mark in accordance with the related European Directives. Responsible for CE-Marking is TOSHIBA Europe, Hammfelddamm 8, 41460 Neuss, Germany.
External DVD SuperMulti drive safety instruction

**CAUTION** The DVD SuperMulti drive with Double Layer Recording model employs a laser system. To ensure proper use of this product, please read this instruction 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.

To prevent direct exposure to the laser beam, do not try to open the enclosure.

*Location of the required label*

*Laser properties of the drive*

Laser Class: Class 1 (HHS and IEC60825-1)
Wavelength: for CD 784 nm
for DVD 662 nm
CAUTION: This appliance contains a laser system and is classified as a "CLASS 1 LASER PRODUCT." To use this model properly, read the instruction manual carefully and keep this manual for your future reference. In case of any trouble with this model, please contact your nearest "AUTHORIZED service station." To prevent direct exposure to the laser beam, do not try to open the enclosure.

VORSICHT: Dieses Gerät enthält ein Laser-System und ist als "LASERSCHUTZKLASSE 1 PRODUKT" klassifiziert. Für den richtigen Gebrauch dieses Modells lesen Sie bitte die Bedienungsanleitung sorgfältig durch und bewahren diese bitte als Referenz auf. Falls Probleme mit diesem Modell auftreten, benachrichtigen Sie bitte die nächste "autorisierte Service-Vertretung". Um einen direkten Kontakt mit dem Laserstrahl zu vermeiden darf das Gerät nicht geöffnet werden.

ADVARSEL: Denne mærkning er anbragt udvendigt på apparatet og indikerer, at apparatet arører med laserstråler af klasse 1, hviket betyder, at der anvendes laserstråler af svageste klasse, og at man ikke på apparatets yderside kan blive udsat for utiladelig kraftig stråling.

APPARATET BOR KUN ÅBNES AF FAGFOLK MED SÆRLIGT KENDSKAB TIL APPARATER MED LASERSTRÅLER!

Indvendigt i apparatet er anbragt den her gengivne advarselsmærkning, som advarer imod at foretage sådanne indgreb i apparatet, at man kan komme til at udsætte sig for laserstråling.

OBS! Apparaten innehåller laserkomponent som avger laserstråning överstigande gränsen för laserklass 1.

VAROITUS. Suojakoteloa si saa avata. Laite sisältää 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.

VORSICHT: DIE VERWENDUNG VON ANDEREN STEURUNGEN ODER EINSTELLUNGEN ODER DAS DURCHFÜHREN VON ANDEREN VORGÄNGEN ALS IN DER BEDIENUNGSANLEITUNG BESCHRIEBEN KÖNNEN GEFÄHRLICHE STRAHLENEXPOSITIONEN ZUR FOLGE HABEN.

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Windows and Microsoft are registered trademarks of Microsoft Corporation in the United States and/or other countries.

Photo CD is a trademark of Eastman Kodak.

i.LINK is a registered trademark of Sony Corporation.

InterVideo and WinDVD are registered trademarks of InterVideo Inc.

Safety icons

This guide contains safety instructions that must be observed in order to avoid potential hazards that could result in personal injuries, damage to your equipment, or loss of data. These safety cautions have been classified according to the seriousness of the risk, and the icons highlight these instructions as follows:
**WARNING** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

**DANGER** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

**CAUTION** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

**CAUTION** Indicates a potentially hazardous situation which, if not avoided, may result in property damage.

**NOTE** Provides important information.

**Other icons used**

Additional icons highlight other helpful or educational information:

**TECHNICAL NOTE:** This icon highlights technical information about the computer.

**HINT:** This icon denotes helpful hints and tips.

**DEFINITION:** This icon indicates the definition of a term used in the text.
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Thank you for purchasing a External DVD SuperMulti drive. After installing the external drive, you can use it at any time by inserting the USB cable into your computer’s USB port. This user’s guide describes how to connect the external drive to your computer, install drivers and how to operate the drive. In addition to this user’s guide, this package contains:

- External DVD SuperMulti drive
- USB cable
- Manual and application CD-ROM
- Quick Start Card
- Instruction Manual for Safety and Comfort
- Bundled Software
  - InterVideo WinDVD 5 (player)
  - InterVideo WinDVD Creator (movie editing)
  - Sonic RecordNow! (data writing)
  - Sonic DLA (packet writing)
System requirements

To use the external drive, your computer must meet the following hardware requirements and run one of the operating systems listed below.

### Hardware

- PC with an Intel® Pentium® III 500 MHz (or faster) processor or equivalent
- A hard disk drive with at least 100 MB of free space
- At least 128 MB RAM or higher, depending on your operating system
- USB 2.0

### NOTE

This drive is RPC (Regional Protection Coding) enabled. Your region will need to be set before DVD movies can be played.

Please note that the regional code may not be changed more than five times.

### Operating system

- Microsoft® Windows® XP
- Microsoft® Windows® 2000
**Media formats**

The External DVD SuperMulti drive supports the following formats:

<table>
<thead>
<tr>
<th>Support formats to Read</th>
<th>Support formats to Write</th>
</tr>
</thead>
<tbody>
<tr>
<td>DVD-ROM</td>
<td>DVD-Video</td>
</tr>
<tr>
<td>CD-ROM</td>
<td>Photo CD</td>
</tr>
<tr>
<td>CD-DA</td>
<td>CD-EXTRA</td>
</tr>
<tr>
<td>CD TEXT</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE** Special drivers may be required for some of these formats.

**Precautions and operating hints**

The disc cover can be opened by pressing the OPEN button.

The disc cover can also be opened without power being supplied to the drive, by sliding the lever on the underside of the External DVD SuperMulti Drive.

The External DVD SuperMulti drive should be operated in a horizontal position, and should not be moved while it is in use.

Operate the device at within the temperature range of 41° F to 95° F (5° C to 35° C).
If the device has been transported through a wide range of temperatures allow time for the device to assume room temperature before trying to operate it, as moisture may have built up inside the device.

The External DVD SuperMulti drive should not be used in dusty or humid conditions.

Do not operate the device near a heat source.

Allow the drive approximately 30 seconds to stop spinning after switching off the power before moving the drive.

Avoid contact with any liquids. Use a soft, and dust free cleaning cloth to clean the External DVD SuperMulti Drive.

Use only the provided USB cable; otherwise, damage can occur to the drive.

Do not operate the device near a strong electromagnetic radiation source such as speakers or cell phones.
Chapter 1
Device Description

The illustration below shows the features of the External DVD SuperMulti drive.

The External DVD SuperMulti drive major features
Chapter 2
Hardware Installation

Connecting the External DVD SuperMulti Drive to the computer

1. Turn on your computer (if it is not already on).
2. Attach the smaller connector of the USB cable to the external drive’s USB interface.

Attaching the USB cable to the External DVD SuperMulti drive
3 Plug the other end of the USB cable into any USB port on your computer.

**NOTE**
Do not connect additional high-powered USB devices to the computer at the same time. If multiple high-powered devices are connected the drive's performance may be affected as well as causing the USB ports to power down.

*Inserting the USB cable into a USB port on the computer*
Chapter 3
Software Driver and Application Installation

Installing the software drivers

No special software is required to install your External DVD SuperMulti drive. Your External DVD SuperMulti drive uses the Windows® Mass Storage driver already included in Windows®.

Installing the software application programs

The following software application programs are included on the Manual & Application CD-ROM that is bundled with the External DVD SuperMulti drive:

❖ InterVideo WinDVD 5: DVD video player
❖ InterVideo WinDVD Creator: Create your own DVDs (supports Windows XP only)
❖ Sonic RecordNow!: Burning and ripping software for CD
❖ Sonic DLA: Packet writing software for CD-RW (supports Windows XP only)
To start the setup program for each application:

1. Insert the Manual and Application CD-ROM into the External DVD SuperMulti drive.
2. The Start Menu appears.
3. Click the application to install.
4. Follow the information that appears on the screen.
Chapter 4
Using the External DVD SuperMulti Drive

The following sections present how to use the External DVD SuperMulti drive.

Inserting Discs

1. Turn on your computer.
2. Press the OPEN button to open the Disc cover and pull the Disc cover up fully.
3. To insert a disc, hold it by the edges and place it in the tray with the readable (plain) side down. Then, gently press down on the disc until it snaps into place.
Using the External DVD SuperMulti Drive

**CAUTION** When the OPEN button is pressed the drive will stop. If you want to continue using the disc lift the cover fully and then re-close it.

Avoid touching the readable (plain) side(s) of a disc. Touching the readable side of the disc may cause read errors, poor performance or failed operation.

### Removing Discs

1. Turn on your computer.
2. Press the OPEN button to open the Disc cover and pull the Disc cover up fully.
3. To remove a disc, grasp it by the edges and gently pull up until the disc is removed.

**CAUTION** Avoid touching the readable (plain) side(s) of a disc. Touching the readable side of the disc may cause read errors, poor performance or failed operation.

Do not press the OPEN button while the computer is accessing the disc. Wait for the indicator to change orange before you open the Disc cover. Also, if the disc is spinning when you open the Disc cover, wait for it to stop before you remove it.

4. Close the Disc cover.
Use the emergency open lever to remove a disc

1. If you need to remove a disc without power to your External DVD SuperMulti Drive, you can manually open the cover by sliding the emergency lever on the underside of the drive.

2. Using the emergency lever to remove a disc.

Playing audio CDs

You can play audio CDs on your external drive with the Media Player application included with the Windows operating system or other music CD player software. To hear the audio, you can either:

- Connect headphones or external speakers to the headphone jack on your computer.
- Use the built-in speakers on your computer.

Reading data DVDs

You can read data DVDs without installing any special software.
Playing DVD movies

The DVD Video Player is used to play DVD-Video. It has an on-screen interface and functions.

1. Click **Start**.
2. Point to **All Programs**.
3. Point to **InterVideo WinDVD**.
4. Click **InterVideo WinDVD**.

Burning CDs/DVDs

You can use the External DVD SuperMulti drive to write data to either CD-R/RW or DVD-R/-RW/+R/+RW/-RAM discs. The following applications for writing are supplied on CD-ROM: RecordNow!, licensed by Sonic Solutions and InterVideo WinDVD Creator, which is a product of InterVideo, Inc.

Important message

Before you write or rewrite to CD-R/RW or DVD-R/-RW/+R/+RW/-RAM disc, read and follow all setup and operating instructions in this section. If you fail to do so, the External DVD SuperMulti drive may not function properly, and you may fail to write or rewrite, lose data or incur other damage.

Disclaimer

TOSHIBA does not bear responsibility for the following:

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

Damage that may be caused by using third party equipment or software. Given the technological limitations of current optical disc writing drives, you may experience unexpected writing or rewriting errors due to disc quality or problems with hardware devices. Also, it is a good idea to make two or more copies of important data, in case of undesired change or loss of the recorded contents.

If the disc is poor in quality, dirty or damaged, writing or rewriting errors may occur. Be careful to check the disc for dirt or damage before you use it.

The actual number of rewrites to CD-RW, DVD-RW, DVD+RW or DVD-RAM is affected by the quality of the disc and the way it is used.

There are two types of DVD-R discs: authoring and general use discs. Do not use authoring discs. Only general use discs can be written to by a computer drive.

You can use DVD-RAM discs that can be removed from a cartridge and DVD-RAM discs designed without a cartridge. You cannot use a disc with a 4.7 GB single-sided capacity or 9.4 GB double-sided capacity.

Other DVD-ROM drives for computers or other DVD players may not be able to read DVD-R/-RW or DVD+R/+RW discs.
Data written to a CD-R/DVD-R/DVD+R disc cannot be deleted either in whole or in part.

Data deleted (erased) from a CD-RW or DVD-RW/+RW/-RAM disc cannot be recovered. Check the content of the disc carefully before you delete it. If multiple drives that can write data to discs are connected, be careful not to delete data from the wrong drive.

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. Even if you write only a small amount of data, it might take time to fill in the dummy data.

DVD-RAM formatted by FAT32 cannot be read in Windows 2000 without DVD-RAM Driver Software.

When multiple drives that can write data to discs are connected, be careful not to write to the wrong drive.

Be sure to connect the AC adaptor before you write or rewrite.

Before you enter standby/hibernation mode, be sure to finish DVD-RAM writing. Writing is finished if you can eject DVD-RAM media.

Be sure to close all other software programs except the writing software.

Do not run software such as a screen saver, which can put a heavy load on the CPU.
❖ Operate the computer in the full-power mode. Do not use power-saving features.

❖ Do not write while virus check software is running. Wait for it to finish and then disable virus detection programs including any software that checks files automatically in the background.

❖ Do not use hard disk utilities, including those intended to enhance HDD access speed. They may cause unstable operation and data damage.

**NOTE**

This drive cannot use discs that allow writing faster than 8 speed (DVD-R, DVD+R), 4 speed (DVD-RW, DVD+RW), and 3 speed (DVD-RAM)

❖ CD-RW (Ultra Speed and Ultra speed +) media is not available. If used, data may be lost or damaged.

❖ Write from the computer's HDD to the CD/DVD. Do not try to write from shared devices such as a LAN server or any other network device.

❖ Writing with software other than RecordNow! and InterVideo WinDVD Creator Platinum are not recommended.
When writing or rewriting

Please observe/consider the following when you write or rewrite to a CD-R/RW or DVD-R/-RW/+R/+RW/-RAM disc.

❖ Do not perform any of the following actions when writing or rewriting:
  ❖ Change users in the Windows operating system.
  ❖ Operate the computer for any other function, including using a mouse or Touch Pad or closing/opening the LCD panel.
  ❖ Start a communication application such as a modem.
  ❖ Apply impact or vibration to the computer.
  ❖ Install, remove or connect external devices, including the following:
    ❖ PC card, USB devices, external display, optical digital devices.
    ❖ Use the Audio/Video control button to reproduce music or voice.
    ❖ Open the External DVD SuperMulti drive.
  ❖ Do not use shut down/log off and standby/hibernation while writing or rewriting.
  ❖ Make sure writing or rewriting is completed before going into standby/hibernation. Writing is completed if you can open the Disc cover.
  ❖ Set the computer on a level surface and avoid places subject to vibration such as airplanes, trains, or cars. Do not use an unstable surface such as a stand.
  ❖ Keep mobile phones and other wireless communication devices away from the computer.
Always copy data from the 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!.
- DVD-Audio cannot be created using RecordNow!.
- You cannot use RecordNow!'s “Audio CD for Car or Home CD Player” function to record music to the DVD-R/-RW or DVD+R/+RW disc.
- Do not use the “Exact Copy” function of RecordNow! to copy DVDVideo and DVD-ROM with copyright protection.
- DVD-RAM disc cannot be backed up with the “Exact Copy” function of RecordNow!.
- You cannot back up a CD-ROM or CD-R/RW to DVD-R/-RW or DVD+R/+RW using the “Exact Copy” function of RecordNow!.
- You cannot back up DVD-ROM, DVD-Video or DVD-R/-RW or DVD+R/+RW to CD-R/RW using the “Exact Copy” function of RecordNow!.
- RecordNow! cannot record in packet format.
- You might not be able to use the “Exact Copy” function of RecordNow! to back up a DVD-R/-RW or DVD+R/+RW disc that was made with other software on a different DVD-R/-RW or DVD+R/+RW recorder.
If you add data to a DVD-R and DVD+R disc that you have already recorded to, you might not be able to read the added data under some circumstances. It cannot be read in 16-bit operating systems, such as Windows 98SE and Windows ME. In Windows NT4, you will need Service Pack 6 or later to read added data. In Windows 2000, you will need Service Pack 2 or later to read it. Some DVD-ROM and DVD-ROM/CD-R/RW drives cannot read added data regardless of the operating system.

RecordNow! does not support recording to DVD-RAM discs. To record to a DVD-RAM, use Explorer or other utility.

When you back up a DVD disc, be sure the source drive supports recording to DVD-R/-RW or DVD+R/+RW discs. If the source drive does not support recording to DVD-R/-RW or DVD+R/+RW discs, it might not be backed up correctly.

When you back up a DVD-R, DVD-RW, DVD+R or DVD+RW, be sure to use the same type of disc.

You cannot partially delete any data written to a CD-RW, DVD-RW or DVD+RW disc.

Data Verification

To verify that data is written or rewritten correctly, follow the steps below before you write or rewrite a Data CD.

1. Click the Options button on the RecordNow! Console to open the Options panels.
2. Select the Data in the left-side menu.
3. Mark the Verify data written to the disc after burning check box in the Data Options.
4. Click the OK button.
Note the following limitations when you use DLA:

❖ This software supports only rewritable discs (DVD+RW, DVD-R, and CD-RW). It does not support DVD+R, DVD-R, and CD-R discs that are not rewritable.

❖ DLA does not support formatting a DVD-RAM disc and writing to it. They are performed by DVD-RAM Driver Software. If DLA Format menu may appear when inserting a DVD-RAM disc into the drive and right-clicking the drive icon in Windows Explorer, please use “DVDform” to format this disc. You can run “DVDForm” by clicking the Start button on the taskbar to display the Start menu and then selecting “All Programs”, “DVD-RAM”, “DVD-RAM Driver” and “DVDForm” sequentially.

❖ Do not use any discs that have been formatted with packet writing software other than DLA. Similarly, do not use any discs that have been formatted with DLA with any packet writing software other than DLA. When using a disc you are not familiar with, format it by selecting “Full Format” before using it.

❖ Do not use the Cut & Paste function for files and folders. A file or folder that has been cut may be lost if writing fails due to an error on the disc.

❖ When writing the Setup files for the program to a disc formatted by DLA and starting Setup from this disc, an error may occur. In this case, please copy them to your hard hard disk and then run Setup.
Video

As for Inter Video WinDVD Creator Platinum. Only the model that can be written in to DVD is attached.

**When WinDVD Creator Platinum is used:**

You can record video back to your digital camcorder via i.LINK (IEEE1394) using WinDVD Creator Platinum. However, there is a case where its playback sound is choppy.

1. Click start and select the Control Panel.
2. Click the Performance and Maintenance icon in the Control Panel.
3. Click the System icon in the Performance and Maintenance window.
4. Click the Advanced tab in the System Properties window.
5. Click the Settings icon in the “Performance” section.
6. Click the Advanced tab in the Performance Options window.
7. Click the Change icon in the “virtual memory” section.
8. Select the custom size button in the Virtual Memory window.
9. Specify much higher values for “Initial size” and “Maximum size.”
10. Click the Set button in the Virtual Memory Window.
11. Click the OK button in the Virtual Memory window.
How to make a DVD-Video

Simplified steps for making a DVD-Video from video data captured from a DV-Camcorder.

1. Click [Start]-[All Programs]-[InterVideo WinDVD Creator2]-[InterVideo WinDVD Creator] to launch WinDVD Creator.

2. Click [Capture] button then capture the video data from the DVCamcorder via IEEE1394.

3. Click [Edit] button then drag the video clips from [Video Library] tab to the edit track.

4. Click [Make Movie] button in the top bar.

5. Double Click the Right arrow button icon in the center of right side.

6. Put a blank DVD-R/+R disc or an erased DVD-RW/+RW disc in the drive.

7. Click [Start] to record to the disc.

8. When recording is finished, the tray opens.

How to learn more about InterVideo WinDVD Creator

Please refer to the on-line Help for additional InterVideo WinDVD Creator information.

Important information for use

Note the following limitations when you write video DVD:

1. Editing digital video
   ❖ Log in with Administrator rights to use WinDVD Creator.
Using the External DVD SuperMulti Drive

- Make sure that your computer is running on AC power when using WinDVD Creator.
- Operate the computer at Full Power. Do not use power-saving features.
- While you are editing DVD, you can display previews. However, if another application is running, the preview might not display properly.
- WinDVD Creator cannot show video on the external monitor when in simultaneous mode.
- WinDVD Creator cannot edit or play copy protected content.
- Do not change display settings while using WinDVD Creator.
- Do not enter standby/hibernation mode while using WinDVD Creator.
- Do not operate WinDVD Creator immediately after turning on the computer. Please wait until all Disc Drive activity has stopped.
- When recording to a DV-Camcorder, to ensure you capture all of your data, let the camcorder record for a few seconds before you begin recording your actual data.
- CD recorder, JPEG functions, DVD-Audio, mini DVD and Video CD functions are not supported in this version.
- While recording video to DVD or tape, please close all other programs.
- Do not run software like a screen saver because it can put a heavy load on the CPU.
Using the External DVD SuperMulti Drive

❖ Do not run communication applications like a modem or a LAN.

2 Before recording the video to DVD

❖ When you record to DVD disc, Please use only discs recommended by the Drive manufacturer.

❖ Do not set the working drive to a slow device like a USB 1.1 hard disk drive or it will fail to write DVD.

❖ Do not perform any of the following actions.

❖ Operate the computer for any other function, including using a mouse or TouchPad or closing opening the LCD panel.
  - Bump or cause vibration to the computer.
  - Use the Mode control button and Audio/Video control button to reproduce music or voice.
  - 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 disc 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 disc.
WinDVD Creator cannot export to DVD-Audio, VideoCD, miniDVD format.

WinDVD Creator can write DVD-RAM/+RW in VR format, but the disc may only play on your computer.

When writing to DVD disc, WinDVD Creator requires 2 GB or more over disk space every one hour of video.

When you make a fully recorded DVD, the chapter sequence may not play correctly.

About Disc Manager

WinDVD Creator can edit one play list on a disc.

WinDVD Creator might show a different thumbnail than you previously set in CE (Consumer Electronics) DVD-RAM recorder.

Using the Disc Manager, you can edit DVD-VR format on DVDRAM, DVD+VR format on DVD+RW, and DVD-Video format on DVD-RW.

About recorded DVDs

Some DVD-ROM drives for personal computers or other DVD players may not be able to read DVD-R/+R/-RW/+RW/RWM discs.

When playing your recorded disc on your computer, please use the WinDVD software application.

If you use an over-used rewritable disc, the full formatting might be locked. Please use a brand new disc.
Media care

This section provides tips on protecting data stored on your CDs and DVDs.

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. Store your CD/DVDs in the container they came in to protect them and keep them clean.
2. Do not bend the CD/DVD.
3. Do not write on, apply a sticker to, or otherwise mar the surface of the CD/DVD that contains data.
4. Hold the CD/DVD by its outside edge or the edge on the center hole. Fingerprints on the surface can prevent the drive from properly reading data.
5. Do not expose to direct sunlight, extreme heat or cold. Do not place heavy objects on your CD/DVDs.
6. If your CD/DVDs become dusty or dirty, wipe them with a clean dry cloth. Wipe from the center out, do not wipe in a circular direction around the CD/DVD. If necessary, use a cloth dampened in water or a neutral cleaner. Do not use benzine, thinner or similar cleaner.
Hot swapping

You can connect and disconnect the external drive while the computer is running. To attach the external drive, just insert the USB cable into your computer’s USB port.

**CAUTION** To avoid data loss, never remove or unplug the external drive while it is in use.

To remove the USB cable while the computer is turned on:

1. Double-click the **Safely Remove Hardware** icon for Windows XP, or double-click the **Unplug or Eject Hardware** icon for Windows 2000.
2. Click **Stop**, and then click **OK**.
3. After the message “The device can now be safely removed from the system” appears, you may remove the USB cable from your computer.
Chapter 5
Troubleshooting

If you have problems with your External DVD SuperMulti drive, check the following:

❖ The USB cable is properly connected
❖ The computer being used meets the hardware requirements needed for the drive (see “System requirements” on page 11)
❖ Review whether requirements stated in the instructions on disc have been followed correctly

If audio playback does not work check the following:

❖ The speakers or headphones are properly connected
❖ The USB cable is firmly connected
❖ The speaker control on the amplifier or on the active speakers is properly set
❖ Audio software is correctly installed
❖ The volume level is properly set
Troubleshooting

Disconnecting and reconnecting the External DVD SuperMulti drive

If you detach the External DVD SuperMulti drive from the computer while it is running, and then reconnect it, the computer may not recognize the External DVD SuperMulti drive. Restart the system for it to recognize the External DVD SuperMulti drive.

If you connect the External DVD SuperMulti drive to the computer while it is running and in hibernation mode, and then disconnect and reconnect the External DVD SuperMulti drive after resuming the system, the computer may not recognize the External DVD SuperMulti drive. Restart the system for it to recognize the External DVD SuperMulti drive.

Operating information

Please review this information. Failure to do so may result in damage to the computer, the external drive, and/or loss of data.

❖ Never press the OPEN button while the drive is accessing a disc.
❖ The external drive operates in a horizontal position. To prevent possible damage, avoid changing the drive’s position while it is in use.
❖ Avoid using or storing the external drive in extreme temperatures. The environmental specifications while operating are 41° F to 95° F (5° C to 35° C).
❖ After transporting the external drive, allow it to reach room temperature before using it.
Changes in temperature during transport, particularly from a cool to a warmer temperature, can cause condensation to form in the drive and may result in operating problems. Allowing the drive to reach room temperature helps to prevent this.

- Avoid using the external drive in dusty or humid environments.
- A short delay is normal before the external drive reads a disc.

Never clean the external drive with a commercially available CD or CD-ROM cleaning set as doing so may cause damage to the drive.

Safety measures

Any attempt to disassemble, adjust or repair the external drive may result in exposure to laser light or other safety hazards. This is a Class 1 Laser Product. This product complies with all applicable safety standards, DHHS Rules 21 CFR Chapter 1, Sub chapter J. The laser beam generated is totally enclosed during all modes of normal operation, and no hazardous laser light is emitted from the drive.
Contacting Toshiba

Please have the following information available when contacting Toshiba:

❖ Serial number of your External DVD SuperMulti drive
❖ Version number for operating system and software involved
❖ Precise description of error and error messages that occur during operation
❖ Name and model of your computer and any internal hardware
❖ Notes on when the problem occurs and under what conditions
❖ Notes on whether the problem has occurred before and how recently any system configuration changes have been made
❖ Toshiba Global Support Centre
   Calling within the United States:
   (800) 457-7777
   Calling from outside the United States:
   (949) 859-4273
Specifications

Dimensions (except maximum raised portion)

- Length: 5.34 inches (135.6 mm)
- Width: 5.32 inches (135 mm)
- Height: 0.59 inches (14.8 mm)

Weight (typical)

- 0.66 lbs (290 g)

Connection to the computer

- USB 2.0

Power Consumption

- Approx. 5W (Powered by USB bus)

Maximum speed

Read:
- CD-ROM/-R/-RW (max. 12x),
- DVD-ROM (max. 4x),
- DVD-RAM(2x)

Write:
- CD-R (4x), CD-RW (4x)
- DVD-R(4x), DVD-RW(2x), DVD+R/+R DL(2.4x)
- DVD+RW(2.4x), DVD-RAM(2x)
You have a question?

Most problems are easy to correct. Save time with one of these simple solutions.

Consult the user’s guide
Call Toshiba Global Support Centre
Toshiba Global Support Center is ready to help with personal service 24 hours a day, 7 days a week.

The information contained on this Quick Start Card, including but not limited to any product specifications, is subject to change without notice.

Analyzed diagrams.

¿Necesita ayuda?

La mayoría de los problemas son fáciles de corregir. Ahorre tiempo con una de estas soluciones simples.

Consulte el manual del usuario
Llame a Toshiba Global Support Centre
Toshiba Global Support Center está a su disposición las 24 horas del día los 7 días de la semana.

Llamada desde EE.UU.: 800-457-7777
Llamada desde fuera EE.UU.: 949-859-4273

Aviso

La información contenida en esta tarjeta de Inicio rápido, incluidas, entre otras, las especificaciones del producto, está sujeta a modificaciones sin previo aviso.

¿Necesita ayuda?

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Aviso

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Precisa de ayuda?

A maior parte dos problemas são fáceis de resolver. Poupe tempo com uma das seguintes soluções simples.

Consulte o manual do utilizador
Telefone para o Centro de Suporte Local
O Centro de Suporte Local está pronto para o ajudar com serviço personalizado 24 horas por dia, 7 dias por semana.

Telefone para o Centro de Suporte Local: 800-457-7777
Se telefonear de fora dos Estados Unidos da América: 949-859-4273

Aviso

A informação contida neste Cartão de Início Rápido, incluindo, mas não se limitando a quaisquer especificações de produtos, está sujeita a alteração sem aviso prévio.

Precisa de ayuda?

A mayor parte de los problemas son fáciles de resolver. Ahorre tiempo con una de estas soluciones simples.

Consulte el manual del usuario
Llame a Toshiba Global Support Centre
Toshiba Global Support Center está a su disposición las 24 horas del día los 7 días de la semana.

Llamada desde EE.UU.: 800-457-7777
Llamada desde fuera EE.UU.: 949-859-4273

Aviso

La información contenida en esta guía rápida, comprese, sin limitación, las especificaciones del producto, está sujeta a modificación sin previo aviso.

Assistant

La maggior parte dei problemi è facile da risolvere. È possibile risparmiare tempo adottando una delle seguenti soluzioni.

Consultare la documentazione per l’utente
Contattare il Toshiba Global Support Centre
Il Toshiba Global Support Centre offre un servizio di assistenza personale 24 ore su 24, 7 giorni su 7.

Chiamate dall’interni degli Stati Uniti: 800-457-7777
Chiamate dall’esterno degli Stati Uniti: 949-859-4273

Avviso

Le informazioni contenute in questa guida rapida, comprese, senza limitazione, le specifiche del prodotto, sono soggette a modifiche senza previo avviso.

Precisa de ayuda?

La mayor parte de los problemas son fáciles de resolver. Ahorre tiempo con una de estas soluciones simples.

Consulte el manual del usuario
Llame a Toshiba Global Support Centre
Toshiba Global Support Center está a su disposición las 24 horas del día los 7 días de la semana.

Llamada desde EE.UU.: 800-457-7777
Llamada desde fuera EE.UU.: 949-859-4273

Aviso

La información contenida en esta guía rápida, comprese, sin limitación, las especificaciones del producto, está sujeta a modificación sin previo aviso.

Assistenza

La maggior parte dei problemi è facile da risolvere. È possibile risparmiare tempo adottando una delle seguenti soluzioni.

Consultare la documentazione per l’utente
Contattare il Toshiba Global Support Centre
Il Toshiba Global Support Centre offre un servizio di assistenza personale 24 ore su 24, 7 giorni su 7.

Chiamate dall’interni degli Stati Uniti: 800-457-7777
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¿Necesita ayuda?

La mayoría de los problemas son fáciles de corregir. Ahorre tiempo con una de estas soluciones simples.

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Llamada desde EE.UU.: 800-457-7777
Llamada desde fuera EE.UU.: 949-859-4273

Aviso

La información contenida en esta tarjeta de Inicio rápido, incluidas, entre otras, las especificaciones del producto, está sujeta a modificaciones sin previo aviso.
STEP 1
Connect the USB cable to the External DVD SuperMulti Drive.

Insert the USB cable into the USB port on your PC. The driver will be automatically loaded by the operating system.

Connectez le câble USB au lecteur externe de DVD Super Multi
Schließen Sie das USB-Kabel an das externe DVD-SuperMulti-Laufwerk an.
Conecte el cable USB a la Unidad de DVD SuperMulti externa.
Collegare il cavo USB all'unità SuperMulti DVD esterna
Sluit de USB-kabel aan op het externe DVD SuperMulti-station
Ligue o cabo USB à unidade DVD SuperMulti Drive externa

STEP 2
Insert the USB cable into the USB port on your PC. The driver will be automatically loaded by the operating system.

Connectez le câble USB sur le port correspondant de votre ordinateur. Le pilote sera chargé automatiquement par le système d'exploitation.

Schließen Sie das USB-Kabel an einen USB-Anschluss am Computer an. Der Treiber wird automatisch vom Betriebssystem geladen.

Introduzca el cable USB al puerto USB del PC. El sistema operativo cargará automáticamente el controlador.

Inserire il cavo USB nella porta USB del PC. Il driver verrà caricato automaticamente dal sistema operativo.

Sluit de USB-kabel aan op een USB-poort van de PC. Het stuurprogramma wordt automatisch geladen door het besturingssysteem.

Insira o cabo USB numa porta USB do PC. O controlador será carregado automaticamente pelo sistema operativo.

Note: The bundled software must be loaded for CD/DVD reading and writing capabilities.

Remarque : Les logiciels fournis en standard doivent être chargés pour bénéficier des fonctions de lecture et d'écriture des CD/DVD.

Hinweis: Die mitgelieferte Software muss geladen werden, damit die Funktionen zum Lesen und Schreiben von CDs/DVDs genutzt werden können.

Nota: El software precaricato è necessario per la lettura e la scrittura di CD e DVD.

Nota: De bijgeleverde software moet zijn geladen om CD’s/DVD’s te kunnen lezen en schrijven.

Nota: O software acompanhante tem de ser carregado para pode dispor das capacidades de leitura e gravação de CDs/DVDs.
Instruction Manual for Safety and Comfort
for the External DVD SuperMulti Drive

NOTE Keep this guide in a convenient place to access important information about your external device.

If you need assistance, use one of the following:

❖ Toshiba Global Support Center
   Calling within the United States (800) 457-7777
   Calling from outside the United States (949) 859-4273

WARNING Handling the cord on this product will expose you to lead, a chemical known to the State of California to cause birth defects or other reproductive harm. Wash hands after handling.
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Chapter 1
Introduction

A. Thank you very much for purchasing this External DVD SuperMulti Drive.

All of the Safety Instructions that are contained in this Manual must be read carefully and must be fully understood before you attempt to use your External DVD SuperMulti Drive, in order to avoid potential hazards that could cause bodily injury or property damage, or could damage the External DVD SuperMulti Drive.

Always store this Manual near your External DVD SuperMulti Drive, for convenient future reference.

We hope that you are completely satisfied with your new External DVD SuperMulti Drive and that it gives you long and productive service. We look forward to providing you with additional Toshiba products to serve all of your computing needs in the future.
B. Two categories of Safety Instructions are included in this Manual:

❖ Product Warnings, (i.e., what must never be done, to assure avoiding those hazards that could cause bodily injury or property damage).
❖ User Directions, (i.e., what must always be done, to assure the safe use of your External DVD SuperMulti Drive).

C. The Safety Instructions contained in this Manual have been categorized in accordance with the seriousness of the potential hazards, through the use of Signal Words.

Those Signal Words, and their intended meanings, are as follows:

**IMPORTANT MESSAGES**

This guide contains safety instructions that must be observed in order to avoid potential hazards that could result in personal injuries, damage to your equipment, or loss of data. These safety cautions have been classified according to the seriousness of the risk, and the icons highlight these instructions as follows:

<table>
<thead>
<tr>
<th>Icon</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="danger_icon" alt="DANGER" /></td>
<td>Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.</td>
</tr>
<tr>
<td><img src="warning_icon" alt="WARNING" /></td>
<td>Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.</td>
</tr>
<tr>
<td><img src="caution_icon" alt="CAUTION" /></td>
<td>Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.</td>
</tr>
<tr>
<td><img src="caution_icon" alt="CAUTION" /></td>
<td>Indicates a potentially hazardous situation which, if not avoided, may result in property damage.</td>
</tr>
<tr>
<td><strong>NOTE</strong></td>
<td>Provides important information.</td>
</tr>
</tbody>
</table>
Chapter 2
Safe Use of External DVD SuperMulti Drive, Components and Accessories

A. External DVD SuperMulti Drive

⚠️ DANGER ⚠️

Never attempt to disassemble, tamper with or repair the External DVD SuperMulti Drive. This will cause fire, electric shock, death, serious physical injury, or permanent damage.

Always contact an authorized Toshiba service provider, for appropriate assistance.

⚠️ WARNING ⚠️

(1) Never leave the plastic bags that were used for packaging the External DVD SuperMulti Drive or any of its components in places where children or infants will have access them, to prevent possible suffocation.

(2) To avoid any risk of short-circuit, fire or other internal damage, never allow any metal object such as screws, staples or paper clips to fall into the unit. If that should happen, however, immediately turn off the power and unplug the power cord.

Always contact an authorized Toshiba service provider, for appropriate assistance.
(3) Never allow any liquids to spill into any part of your External DVD SuperMulti Drive, and never expose the External DVD SuperMulti Drive to rain, water, seawater, or moisture, in order to avoid any risk of electric shock, fire or other damage to the unit. However, if any of these eventualities should occur, unplug the AC Adaptor (if any), shut off the External DVD SuperMulti Drive immediately, and remove the battery pack, as the External DVD SuperMulti Drive may otherwise sustain permanent damage.

Always contact an authorized Toshiba service provider for assistance, before attempting to use the External DVD SuperMulti Drive again.

(4) If the External DVD SuperMulti Drive has been dropped, or if you ever detect the emission of smoke, unusual odor or excessive heat, always unplug the AC Adaptor (if any) and shut off the External DVD SuperMulti Drive immediately, as there is a risk that this will cause fire, possibly resulting in death or serious physical injury.

Always contact an authorized Toshiba service provider, for appropriate assistance.

(5) Never attempt to disassemble, adjust or repair the External DVD SuperMulti Drive, as exposure to laser light or other safety hazards will result.

Always contact an authorized Toshiba service provider, if any repair or adjustment is required.

(6) Never open any covers except those that are expressly designed to be opened by the user, in order to prevent the risk of fire possibly resulting in death or serious physical injury, or the malfunction of the External DVD SuperMulti Drive.

(7) Today’s performance External DVD SuperMulti Drives generate heat under normal operating conditions, as a function of system activity.

Avoid extended contact between the External DVD SuperMulti Drive base/palm rest and your bare skin. Under certain operating conditions such prolonged contact between the External DVD SuperMulti Drive base/palm rest and your bare skin will result in skin irritation.
**CAUTION**

1. Never store a External DVD SuperMulti Drive in a locked and unventilated vehicle, (where excessive internal temperatures may be encountered). Never place a External DVD SuperMulti Drive on top of (or adjacent to) a heating device, and never expose it to direct sunlight, to prevent External DVD SuperMulti Drive malfunction or damage to the battery pack or other components.

2. Never attempt to use the External DVD SuperMulti Drive on a precarious or unstable surface, as the unit may fall causing physical injury or damage to the unit.

3. Never attempt to use the External DVD SuperMulti Drive in a location that is subject to excessive vibration, as the unit may cause physical injury, or result in internal damage to the unit or the loss of stored data.

4. Never use a cracked, deformed or repaired CD or DVD. Flying fragments from a damaged CD or DVD may cause injury.

5. Alert children to always keep their fingers away when closing the tray of the External DVD SuperMulti Drive, to avoid getting their fingers pinched.

**CAUTION**

1. Never insert more than one CD or DVD at a time; never use force to load or eject a CD or DVD; never eject a CD or DVD while an application is running; and never insert anything other than a CD or DVD into the Drive. Damage to the Drive, damage to the disks and loss of stored data could result.
(2) Always handle CDs and DVDs with care, to prevent the possible loss of stored data:

(a) Always store a CD or DVD in its case when it is not in use, to protect its surface from scratches or contaminants. A CD Drive or DVD Drive may be unable to read the data correctly if the surface of the disk is scratched or contaminated.

(b) Always hold a CD or DVD by its outside edge and center hole, using the tips of your fingers. Fingerprints on the surface of the disk may hinder the correct reading of data.

(c) Never write on the surface of a CD or DVD, as that may hinder the correct reading of data.

(d) Never use an organic solvent, (e.g., benzene or thinner), to clean a CD or DVD. That could cause degradation or deformation of the disk, and possible loss of stored data. Always use a soft, clean, dry cloth and always wipe the surface of the disk from its center to its outer edge.

(e) Never store a CD or DVD where it will be exposed to extremely high temperatures, direct sunlight, or extremely low temperatures.

(f) Never place any heavy objects on a CD or DVD. Deformation of the disk may hinder the correct reading of data.
(1) Never use the unit in an environment where temperature and humidity is less than or exceeds the limitations written in the users manual of your own External DVD SuperMulti Drive, to prevent malfunction.

(2) Never use organic solvents (e.g., benzene or thinner) to clean the External DVD SuperMulti Drive, as they will cause the surfaces to deteriorate, deform or discolor.

(3) Never place heavy objects on top of the External DVD SuperMulti Drive and never allow heavy objects to drop onto the External DVD SuperMulti Drive, to protect it from damage.

(4) If the External DVD SuperMulti Drive has been exposed to cold temperatures, always allow it to warm to room temperature before turning it on. This will prevent the occurrence of harmful condensation within the unit. (This is a particularly important concern when the unit is being used in cold climates).

(5) Always avoid using the External DVD SuperMulti Drive in dusty environments, since dust particles can affect the reliability of the External DVD SuperMulti Drive. Always contact an authorized Toshiba service provider, if your External DVD SuperMulti Drive has become contaminated with dust or dirt particles.
B. SAFE USE OF YOUR External DVD SuperMulti Drive ABOARD AN AIRCRAFT

**WARNING** Always request and obtain the prior consent and approval of an authorized airline representative before using your External DVD SuperMulti Drive aboard an aircraft. Failure to obtain the prior consent and approval from the airline may result in your unwittingly interfering with aviation equipment onboard, leading to an accident and thereby resulting in the possibility of death or serious physical injury.

C. USAGE RESTRICTIONS

Never incorporate this External DVD SuperMulti Drive into a system that will be used to control the following critical equipment:

a. Equipment directly linked to the protection of human life, including:
   - Medical monitoring equipment, life support systems and equipment used in hospital operating rooms.
   - Exhaust systems used for venting poisonous gases and smoke.
   - Equipment used to perform life-saving functions mandated by law, (e.g., as required for fire-fighting under the Canadian Fire Services Act).
   - Other equipment comparable to that in the examples cited above.
b Equipment directly linked to the protection of human safety or affecting the performance of a vital public safety function, such as:

- Traffic control equipment for air, railroad, highway and marine transportation.
- Equipment used in atomic power plants.
- Other equipment comparable to that in the examples cited above.
- The control of such critical equipment requires the use of specially designed devices that employ redundant, fail-safe circuitry.
- This External DVD SuperMulti Drive has not been designed for those types of uses.

**CAUTION** Toshiba recommends that you keep a distance of at least 30 cm (approximately 12 inches) between cellular phones and the External DVD SuperMulti Drive. Use of cell phones in close proximity to the drive may interfere with audio playback.
Chapter 3
Maintaining a Safe Work Environment

A. INTRODUCTION

❖ External DVD SuperMulti Drives have been designed to be compact, light-weight and extremely portable, so they can be easily carried and used almost anywhere. Proper use of a External DVD SuperMulti Drive does not pose any health hazards. When used in accordance with the safety instructions in this manual they also offer an alternative to External DVD SuperMulti Drive users who wish to avoid exposure to the additional sources of electromagnetic field (EMF) emission that may be present in desk-top PCs.

❖ The safety instructions in this manual should therefore always be followed, to avoid the adverse consequences that could otherwise result from the misuse of External DVD SuperMulti Drive under sub-optimum field conditions.
B. AVOIDANCE OF EXPOSURE TO EMF EMISSIONS

Radio Frequency (RF) Emissions

(a) External DVD SuperMulti Drives generate digital timing pulses at frequencies within the RF range, and consequently may emit minute levels of stray EMF emissions in the RF range.

As a result, all desk-top and External DVD SuperMulti Drives are required to comply with the US Federal Communications Commission (FCC) Standards for “Class B” digital devices, the Canadian Interference-Causing Equipment Regulations and the European Community Standards.

(“Class B” digital devices are authorized for use in residential environments and are not permitted to intentionally emit RF energy. Nevertheless, they are permitted to unintentionally emit low levels of RF energy, as a result of the generation of digital timing pulses by their clock oscillator circuits).

(b) The allowable levels of RF energy that may be emitted by External DVD SuperMulti Drives are severely limited in their intensity by the existing FCC Regulations (47 CFR Section 15.109 (a)), Canadian ICE Regulations and European Community Standard N55022, to prevent interference with reception on nearby radio and T.V. receivers.

External DVD SuperMulti Drives have therefore been equipped with internal shielding, to significantly reduce the stray emission of RF energy.
Nevertheless, airlines may prohibit the use of all External DVD SuperMulti Drives (and any other portable electronic devices that could emit stray RF energy) during takeoffs and landings, because of possible interference with the reception of signals by airborne electronic navigation devices.

(c) FCC regulations, ICES, and European Standards for “Class B” digital devices severely limit the levels of RF energy that may be emitted by a External DVD SuperMulti Drives.

The resulting emissions therefore also fall well within the allowable limits that have been adopted by OSHA in 29 CFR 1910.97, and that have been adopted by the promulgators of all other know regulations and standards that relate to the emission of EMF energy in the RF range.

Consequently, the minute levels of EMF energy in the RF range that are emitted by External DVD SuperMulti Drives comply with all existing regulations and standards, and pose no known health hazards to human beings.
Chapter 4
Important Information for Your External DVD SuperMulti Drive

FCC information

Product Name: External DVD SuperMulti Drive
Model number: PA3454U-1DV2

FCC notice “Declaration of Conformity Information”

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to
correct the interference by one or more of the following measures:

❖ Reorient or relocate the receiving antenna.
❖ Increase the separation between the equipment and receiver.
❖ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
❖ Consult the dealer or an experienced radio/TV technician for help.

**NOTE**

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, USB port, and microphone jack. Changes or modifications made to this equipment, not expressly approved by TOSHIBA or parties authorized by TOSHIBA could void the user's authority to operate the equipment.

**FCC conditions**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Contact:
TOSHIBA America Information Systems, Inc.
9740 Irvine Boulevard
Irvine, California 92618-1697
Telephone: (949) 583-3000
EU Declaration of Conformity

TOSHIBA declares, that the product: PA3454U-1DV2 conforms to the following Standards:

Supplementary Information:


This product is carrying the CE-Mark in accordance with the related European Directives. Responsible for CE-Marking is TOSHIBA Europe, Hammfelddamm 8, 41460 Neuss, Germany.

VCCI Class B ITE
External DVD SuperMulti Drive safety instruction

NOTE

The External DVD SuperMulti Drive employs a laser system. To ensure proper use of this product, please read this instruction 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.

To prevent direct exposure to the laser beam, do not try to open the enclosure.

Location of the required label

*Laser properties of the drive
Laser Class: Class 1 (HHS and IEC60825-1)
Wavelength: for CD 784 nm
           for DVD 662 nm
**CAUTION:** This appliance contains a laser system and is classified as a “CLASS 1 LASER PRODUCT.” To use this model properly, read the instruction manual carefully and keep this manual for your future reference. In case of any trouble with this model, please contact your nearest “AUTHORIZED service station.” To prevent direct exposure to the laser beam, do not try to open the enclosure.

**VORSICHT:** Dieses Gerät enthält ein Laser-System und ist als “LASERSCHUTZKLASSE 1 PRODUKT” klassifiziert. Für den richtigen Gebrauch dieses Modells lesen Sie bitte die Bedienungsanleitung sorgfältig durch und bewahren diese bitte als Referenz auf. Falls Probleme mit diesem Modell auftreten, benachrichtigen Sie bitte die nächste “autorisierte Service-Vertretung”. Um einen direkten Kontakt mit dem Laserstrahl zu vermeiden darf das Gerät nicht geöffnet werden.

**ADVARSEL:** Denne mærking er anbragt udvendigt på apparatet og indikerer, at apparatet arbejder med laserstråler af klasse 1, hvilket betyder, at der anvendes laserstråler af svageste klasse, og at man ikke på apparatets yderside kan blive udsat for utiladelig kraftig stråling.

**APPARATET BOR KUN ÅBNES AF FAGFOLK MED SÆRLIGT KENDSKAB TIL APPARATER MED LASERSTRÅLER!**

Indvendigt i apparatet er anbragt den her gengivne advarselsmærkning, som advarer imod at foretage sådanne indgreb i apparatet, at man kan komme til at udsætte sig for laserstråling.
Important Information for Your External DVD SuperMulti Drive

OBS! Apparaten innehåller laserkomponent som avgir laserstråning överstigande gränser för laserklass 1.

VAROITUS. Suojakotelo si saa avata. Laite sisältää laserdiodin, joka lähetää 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.

VORSICHT: DIE VERWENDUNG VON ANDEREN STEURUNGEN ODER EINSTELLUNGEN ODER DAS DURCHFÜHREN VON ANDEREN VORGÄNGEN ALS IN DER BEDIENUNGSANLEITUNG BESCHRIEBEN KÖNNEN GEFÄHRLICHE STRAHLENEXPOSITIONEN ZUR FOLGE HABEN.


Following information is only for EU-member states:

The use of the symbol indicates that this product may not be treated as household waste. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.