

roxio
toast[®]10
TITANIUM

User Guide

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Getting Started with Toast



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Introduction

Toast® 10 Titanium brings you award winning disc burning and copying plus a whole lot more. Everything you need to edit, copy, burn, and share your videos, movies, photos, music and data files on CD, DVD, and Blu-ray Disc™ is right at your fingertips.

This guide will help you get started using Toast. The features and capabilities it describes are available in the full Toast retail product. Your version may not have all these features and capabilities if it came bundled with a disc recorder or other hardware device. The software includes appropriate messages if you have the limited version.

To register your software, choose Help > Product Registration.

For additional information, choose Help > Product Support.

Installing The Software

To use Toast you will need the following hardware and software:

- Macintosh computer with a PowerPC™ G4, PowerPC G5, or Intel® processor, PowerPC G5 or Intel processor required for encoding and viewing high definition content.
- CD, DVD or Blu-ray recordable drive
- Mac OS X v10.5.x
- QuickTime® v7.x
- Up to 800 MB free disk space to install all components
- Up to 15 GB of temporary free disk space during usage
- Internet connection required for some functionality
- HD video authoring functionality for DVD and Blu-ray Disc™ requires purchase of the High-Def/Blu-ray Disc plug-in

The latest versions of iTunes, iPhoto and iMovie are recommended.

To install the software:

- 1 Insert the installation CD into your drive (or if purchased online and downloaded, double-click on the downloaded .dmg file).
The Roxio Toast window appears on your Desktop.
- 2 Drag the Toast 10 folder to the Applications folder on your hard disk.
- 3 In the Applications folder on your hard disk, open the Toast 10 folder and double-click the Toast icon to launch the software.
- 4 Follow the onscreen instructions to set up Toast for the first time.

You will be asked to enter a product key and accept the license agreement. The following table shows where to find your product key:

If you bought this type of Toast version...	Use the product key from ...
Boxed	the back of the CD sleeve
Downloaded	the confirmation e-mail



Note If you are installing an Upgrade version, you may be prompted to enter the product key for a previous version.

The software is now installed.



Note This Setup Assistant can be re-run at anytime by choosing Help > Toast Setup Assistant.

Additional Software Installed

The Toast 10 folder also contains the following software:

- CD Spin Doctor audio recording software
- Disc Cover 2 RE labeling software
- GetBackup 2 RE backup software
- DiscCatalogMaker RE disc cataloging software
- Streamer video-streaming software

For more information, see *Toast Extras* on page 40.

The Toast Main Window

The Toast main window contains the following components:

Formats and Settings Area

Located at the left side of the Toast window, the Formats and Settings area displays your available project types and options for those projects. The disc formats are grouped into the following categories:

Data discs: Put any file or folder on a disc for archiving or backup purposes, for use in a Mac, PC, or other computer. See *Making Data Discs* on page 43 or *Making a Photo Disc* on page 68.

Audio discs: Make an audio CD, music DVD, or MP3 disc for use in a computer, home or car stereo, or set-top DVD player. See *Making Audio Discs* on page 71.

Video discs: Make VCDs, SVCDs, DVD-Video discs, Blu-ray or High-Def DVDs for use in a computer or set top player. See *Making Video Discs* on page 87.

Copy discs: Copy a CD, DVD, Blu-ray disc, or disc image file. See *Copying Discs* on page 119.

Convert audio and video: Convert DVD-Video discs, other video content, and audio to other formats or for use on portable devices. See *Converting Audio and Video* on page 125.

Content Area

This is the area located at the left side of the window. For most project types, this is where you drag your files to add them to a project.

Space Indicator

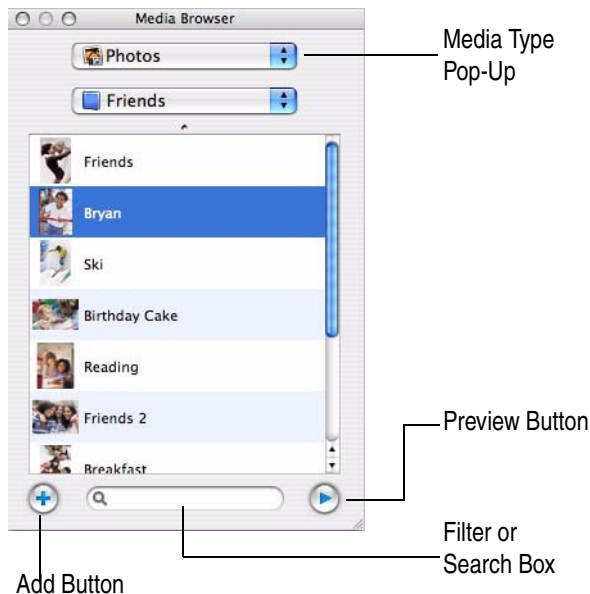
Located across the bottom of the Toast window, the space indicator displays exactly how much content you've added to the current project. You can choose CD, DVD or Blu-ray media types to have the indicator calibrated for your target disc.

Record Button

Located at the bottom right of the Toast window, the red Record button will begin recording your disc. For video conversion projects, this will also begin exporting your video.

Media Browser

The Media Browser allows you to easily browse or find music, photos, video, or other files, and preview or add them to a Toast project. It appears as a separate window beside the Toast main window, and can be moved or closed independently. To hide or show the Media Browser, select the appropriate option from the Window menu, or press Ctrl+S.



Burning Your First Disc With Toast

This section describes the basic process of burning any disc with Toast.

To make a disc with Toast:

- 1 Select the project category.** In the upper left region of the Toast window, choose the category that matches the type of disc you want to make.
 - **Data** — Put any file or folder on a disc for archiving or backup purposes, for use in a Mac, PC, or any computer. See *Making Data Discs* on page 43.
 - **Audio** — Make an audio CD, music DVD or MP3 disc for use in a computer, home or car stereo, or set-top DVD player. See *Making Audio Discs* on page 71.
 - **Video** — Make VCDs, SVCDs, DVD-Video discs, Blu-ray or High-Def DVDs for use in a computer or set-top DVD player. See *Making Video Discs* on page 87.
 - **Copy** — Copy a CD, DVD, BD, or disc image file. See *Copying Discs* on page 119.
 - **Convert** — Convert DVD-Video discs, other video content, and audio to other formats or for use on portable devices. See *Converting Audio and Video* on page 125.
- 2 Select the disc format and settings.** Choose the disc project and any optional settings.
- 3 Add content.** Drag and drop files and folders into the Content Area from your hard disk or the Media Browser.

Tip: To show the Media Browser, choose Window > Show Media Browser, or press Ctrl+S.

- 4 **Insert a recordable disc.** Insert a blank, recordable CD, DVD, or Blu-ray Disc™.
- 5 **Record the disc.** Click the red Record button, choose a recorder from the list, and configure recording options. Click Record to continue.

Toast displays a progress bar and status information as it records your disc.

Choosing Which Type Of Disc To Make

Toast can create a wide variety of CD, DVD and Blu-ray formats—more than the Mac OS burning software.

Here are some of the most common disc formats.

I want to...	Use this disc format
Back up general data files and folders, such as documents, photos and spreadsheets, to use at a later time only on a Mac.	Data > Mac Only. See <i>Making a Mac Only Disc</i> on page 46.
Back up general data files and folders to use at a later time on a Mac or a PC.	Data > Mac & PC. See <i>Making a Mac & PC Disc</i> on page 52.
Archive and share photos from my iPhoto library (or any other pictures) with friends and family.	Data > Photo Disc. See <i>Making a Photo Disc</i> on page 68.
Listen to music from my iTunes library in my home or car stereo CD player.	Audio > Audio CD. See <i>Making an Audio CD</i> on page 74.
Listen to music from my iTunes library in my DVD player.	Audio > Music DVD. See <i>Making a Music DVD</i> on page 78.
Watch slideshows and video on my TV (my Mac has a DVD burner).	Video > DVD-Video. See <i>Making a DVD or BD Video Disc</i> on page 93.
Make a DVD from an existing VIDEO_TS folder and compress it to fit on the disc.	Video > DVD from VIDEO_TS. See <i>Making a DVD From VIDEO_TS Folders</i> on page 112
Burn HD video to a standard DVD for playback on a Blu-ray Disc™ player.	Video > Blu-ray Video. See <i>Making a DVD or BD Video Disc</i> on page 93.

I want to...	Use this disc format
Copy a CD, DVD or Blu-ray disc to another disc.	Copy > CD/DVD Copy. See <i>Copying a Disc</i> on page 121.
Create a high-definition Blu-ray video disc for watching on a Blu-ray Disc™ player.	VIDEO > Blu-ray Disc. See <i>Making a DVD or BD Video Disc</i> on page 93.

- For all data disc formats see *Types of Data Discs* on page 44
- For all audio disc formats, see *Types of Audio Discs* on page 72.
- For all video disc formats, see *Types of Video Discs* on page 88.
- For all copy formats, see *Types of Copies* on page 120.
- For all convert formats, see *Converting Audio and Video* on page 125.

About Media

Toast supports CD, DVD, and Blu-ray media types: CD, CD-RW, DVD-R/RW, DVD-R DL (dual-layer), DVD+R/RW, DVD+R DL (double-layer), DVD-RAM (cartridgeless), BD-R/RE, BD-R/RE DL (dual-layer). The type you should choose depends on the capabilities of your recorder and playback device, if applicable.



Note You can view information about a blank disc, such as the speeds supported and the manufacturer media ID, and compare this information to online sources such as (www.nomorecoasters.com) to determine if the media is reputable. See *Viewing Information about a Disc* on page 34.

CD Media

If you have a CD recorder, you can use blank CD recordable (CD-R) media to create CDs. CDs typically hold 700 MB of information. Most CD recorders also support rewritable (CD-RW) media, which can be erased and reused. Although both CD-R and CD-RW media work well when creating discs for use on a computer, most home and car stereo players cannot recognize CD-RW media, so you should use CD-R when creating an audio CD.

DVD Media

If you have a DVD recorder, you can use blank DVD recordable (DVD-R or DVD+R) media to create DVDs. DVDs hold about 4.7 GB of information. Some DVD recorders support dual-layer recordable DVDs (DVD+R DL or DVD-R DL), which hold about 8.5 GB of information. Some DVD recorders also support rewritable (DVD-RW or DVD+RW) media, which can be erased and reused.

Although all types work well when creating DVDs to use on a computer, most set-top DVD players can only recognize some types. You should check your DVD player documentation or search online to see which types the device supports.

Using low-cost generic media can cause errors while burning, or produce a disc that either is unrecognized by the player or plays back erratically. Different brands of the same type can work differently in your recorder or playback device. If you are having problems, you may need to switch to a different brand or type (for example, if using DVD-RW, switch to DVD-R).

Blu-ray Disc Media

If you have a Blu-ray recorder, you can use blank Blu-ray disc (BD-R) media to store data on Blu-ray discs which hold about 25 GB of information. Most Blu-ray recorders also support dual-layer Blu-ray discs, which hold about 50 GB of information. Some Blu-ray recorders also support rewritable (BD-RE) media, which can be erased and reused.

Much like creating DVDs, some Blu-ray Disc™ set-top players may work better with one type of disc than another and the same guidelines about switching to other brands or types apply here.

Using the Media Browser

The Toast Media Browser provides quick access to your music, photos, videos, and other files stored on your computer. You can easily drag and drop content from the Media Browser into the Content Area.

To use the Media Browser:

- 1 Open the Media Browser window by choosing Window > Show Media Browser, or press Ctrl+S.
- 2 From the Media Type pop-up menu, choose the type of media you want to browse:
 - **Audio:** Browse audio in your iTunes library.
 - **AVCHD Camcorder:** Browse high-definition video content stored on your connected AVCHD camcorder or volume.
 - **Photos:** Browse photos in your iPhoto and Aperture library.
 - **Movies:** Browse videos and iMovie projects in your Movies folder.
 - **EyeTV:** Browse recorded TV shows from EyeTV. This option is only visible if you have EyeTV digital television recorder software installed (see www.elgato.com).
 - **TiVo Recordings:** Browse recorded TV shows that have been transferred from your TiVo® DVR. This option requires a TiVo DVR that supports TiVoToGo™ transfers (see www.tivo.com for more information).
 - **DVD:** Browse non-encrypted DVD-Video discs, mounted disc images, or VIDEO_TS folders located on your Desktop or in your Movies folder.



Note You can also access discs from set-top DVD recorders or DVD camcorders. Toast includes special support for these discs, which normally are not usable in the Mac OS. Insert these discs in your recorder while Toast is running, and then import video from them with the Media Browser.

- **File Browser:** Browse files and folders on your local hard disk, external discs, or connected network volumes.
 - **Spotlight:** Search for files or folders by entering a search term in the text field at the bottom of the Media Browser window.
 - **Web Video:** With this category selected in the Media Browser, you'll be able to view and add video from many flash-based video sharing sites to your project.
- 3 When browsing audio, photos, movies, or DVDs, you can filter the media list by choosing a playlist, album, video or specific DVD, title or chapter from the second pop-up menu.
-



Note When the File Browser is selected the second pop-up menu allows you to navigate folders on your system. When Spotlight is selected, the second and third pop-up menus allow you to narrow your search to a specific location or media type.

- 4 Select any item in the file list and drag it to the Content Area to add it to a disc project or click the Add button at the bottom of the Media Browser.

You can select multiple items by holding down the Command (Apple) key while clicking, and then drag the entire selection to the Content Area.

You can select groups of items by clicking on the first item in the group and then holding down the Shift key while clicking on the last item in the group, and then drag the entire selection to the Content Area.

You can preview most media files by selecting them and pressing the space bar, by double-clicking them in the file list, or by clicking the Preview button at the bottom of the Media Browser.

Toast will display progress information while the items are being added. If the content is being added from a disc (such as from a set-top DVD recorder or AVCHD camcorder) this may take several minutes, as it is imported from the disc onto your hard disk.

Imported items from a disc are temporarily stored in the Roxio Converted Items folder in your Documents folder. You can use these items in disc projects or save them to your hard disk by exporting audio or video. See *Converting Audio and Video* on page 125. These temporary items can be very large and are automatically deleted when you quit Toast. The original source content is not deleted from your disc.

Configuring when Roxio Converted Items is emptied

To adjust when the Roxio Converted Items is emptied:

- 1 Choose Toast > Preferences.
- 2 Click Converted Items.
- 3 Choose when you want to delete the converted items.
- 4 Close the preferences.

Changing Recorder Settings

You can view or change your recorder settings, such as which recorder to use, the number of copies to record, and what Toast does after recording is complete.

To change Recorder Settings:

- 1 Click the Recording Options pull-down menu and choose Recorder Settings.
The recorder settings also appear when you click the red Record button.
- 2 Click the Basic tab to change basic recording settings, including:
 - **Recorder:** Select the recorder you want to use.
 - **Write Speed:** Select the recording speed. By default, Toast will use the best speed, which is the fastest speed that your recorder and the blank media both support. For example, if your DVD recorder supports 1x, 2x, 4x, and 8x, and the blank disc only supports 1x and 2x, then Toast will record at 2x speeds. To choose a specific write speed, first insert the blank disc into your recorder. After a few seconds, the pop-up will list all speeds available for your recorder and the current blank media.
 - **Number of Copies:** Enter the number of copies of the disc you want to make. Toast will prompt you for blank discs after each copy.
- 3 Click the Advanced tab to change advanced recording settings, including:
 - **After Writing:** Select what you want to do with the disc after recording it. Toast can mount the disc on the Desktop, eject the disc, or prompt you for either.
 - **Write Session/Write Disc:** Select the session option if you are creating data CDs and wish to leave the disc “open” to add more data at a later time. See *Making a Mac Only Disc* on page 46.

- **Verify Data:** Select this option to verify that the contents of the recorded disc match the source files and folders on your hard disk.
 - **Simulation Mode:** Select this option if you want to simulate the process of recording a disc. You might do this to make sure that the write speed you have selected is appropriate for your computer.
 - **Buffer Underrun Prevention:** Select this option to turn on buffer underrun prevention. A buffer underrun error occurs when your hard disk is unable to send data fast enough to the recorder while recording, causing the blank disc to be unusable. This option is available only if your recorder supports buffer underrun prevention.
 - **DAO/TAO:** DAO (Disc-At-Once) audio recording allows pauses of varying lengths of up to 8 seconds between tracks. This option also allows for CD-TEXT. TAO (Track-At-Once) recording requires a pause of 2 seconds between all tracks.
 - **Display Recorder Settings Before Writing:** Select this check box if you want to display the Recorder Settings dialog each time you click the red Record button.
- 4 Click the last tab to see information about the currently selected recorder.
 - 5 When you are finished, click OK.

Saving and Opening Toast Projects

You can save a Toast project and open it at a later time for recording to disc.

To save the current project:

- 1 Choose File > Save.
- 2 Type a file name and select a location to save to.
- 3 Click Save. Saved Toast disc projects end in “.disc”.

To open a saved project:

- 1 Choose File > Open.
- 2 Select the Toast project file you want to open.
- 3 Click Open.

Tip: You can browse to and quickly open the most recently used projects by choosing File > Open Recent, and clicking on a project. You can also double-click a Toast project to open it.



Note Toast saves pointers for the files and folders in the content area. If you move or delete any of the original items from your hard disk, Toast may not be able to find them when you open the project. To save a single file containing all source files, you should save as a disc image. See *Saving Disc Images* on page 35.

Erasing Discs

If you are using rewritable CD-RW, DVD-RW, DVD+RW, DVD-RAM, or BD-RE media, you can erase the entire contents of a disc and re-record to it.



Warning Erasing a disc cannot be undone.

To erase a rewritable disc:

Insert the disc into the recorder.

- 1 Choose Recorder > Erase.
- 2 Choose the way you want to erase the disc:
 - **Quick Erase:** This erases the disc faster than the standard erase option, but the disc can only be re-recorded with Toast.
 - **Erase:** This erases the disc so it can be re-recorded using any burning software.

Ejecting a Disc

You can eject a disc from a recorder in any of these ways:

- Choose Recorder > Eject.
- Click the Eject button to the left of the recorder name.
- In the Recorder Settings dialog, click Eject.
- Drag the disc icon from the Desktop to the Trash in the Dock.

Toast It™ Desktop Burning

Toast It helps you easily send files or folders to Toast from anywhere on your Desktop or in any folder on your hard disk. Toast does not need to be running to use Toast It – the software will be launched automatically.

Toast It automatically chooses the best disc format depending on the source file or folder. For example, if your source is audio files, Toast It will select the Audio CD format. If your source is a DVD-Video VIDEO_TS folder, Toast It will select the DVD from Video_TS format.



Note The Toast Setup Assistant installs the Toast It (and Mount It) menu item by default.

To use Toast It:

- 1 Select files or folders on your Desktop or in any folder on your hard disk.
- 2 Press the Ctrl key and click the selected files or folders.
A pop-up menu appears.
- 3 From the pop-up menu, choose More and select Toast It.
The files or folders are sent to Toast.

Choose Toast It for a disc image if you want to record it to a disc. You can also choose Mount It from the pop-up menu if you just want to mount the image.

To turn Toast It on or off:

- 1 Choose Toast Titanium > Preferences.
The Preferences dialog appears.
- 2 In the General tab, select Use Toast It Menu to turn it on.

Technical Support Options

Unlimited Self Help Options

Roxio provides a variety of self help tools, including a searchable knowledge base of support articles with troubleshooting tips, and discussion groups with other users that can help you get the most out of your Roxio products.

You'll find answers to most of your questions at <http://support.roxio.com>, or you can choose Help > Product Support from within Toast.

Telephone and E-mail Support Options

Telephone and E-mail support may be available on a limited or paid basis for your Roxio product. Registration of your product is required. To learn what options are available, go to <http://support.roxio.com>, choose your product, and click the Contact Support link.

Contacting Roxio

Log in to our Customer Web portal to submit a request for assistance or to find support contact information for your location. You can find the customer Web portal at <http://selfserve.roxio.com>.

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Viewing Information about a Disc

You can view detailed information about a blank or recorded disc in your recorder. This feature works only with CD, DVD or Blu-ray recorders.



Note Make sure that the disc is compatible with your recorder. For example, you cannot use a DVD recorder to view disc information for a Blu-ray Disc™.

To view disc information:

- 1 Insert a blank or used disc into the recorder.
- 2 Choose Recorder > Disc Info.

The Disc Information dialog appears. This Media section contains information about the disc itself (such as space available, supported write speeds, and manufacturer id) and the Details section contains information about the contents of the disc (such as individual tracks or sessions, CD-TEXT, and ISRC codes). See *About Media* on page 21.

If the disc you have inserted is a Video CD or a Super Video CD, you can extract the videos directly from the disc by selecting an item in the Details section and clicking Save As.

Saving Disc Images

Instead of recording a project to disc, you can save it as an image file. An image file is a single file, saved on your hard disk, which contains all the data and formatting information needed to create a CD, DVD, or Blu-ray disc. Image files contain all source data (as opposed to saved Toast projects which contain only references to the data).

You may also want to save an image file to avoid having to use a blank disc. Mounted image files appear and behave like an actual disc in your computer. For example, you can create a disc image for a DVD-Video project and preview the output using the DVD player in your Mac without having to burn it to disc. If you are satisfied with the results, you can then burn this image file to a disc. If not, you can simply delete the file and start again, and you have avoided using any blank media.

Disc images have an added benefit of being faster to access than a disc in your drive and may offer longer battery life for notebook users. See *Mounting Disc Images* on page 36.

You can create disc images from any Toast disc type.

To save a project as an image file:

- 1 Set up your disc project as you normally would.
- 2 Click the Save as Disc Image button (or choose File > Save as Disc Image).
- 3 Type a file name and select a location to save to.

By default, Toast creates Mac disc image files, which are compatible with the Toast image mounter and the Disc Utility program included in Mac OS X (except for audio CD images). You can also use Toast to create cross-platform (Mac & PC) disc image files.

Mounting Disc Images

You can mount a previously created image file. Mounted images behave like an actual physical disc inserted into your optical drive and appear on the Desktop.

If this is the first time you are mounting an image file after installing Toast, Toast will prompt you to enter the administrator password. Once you have done this, you no longer need to enter the password to mount an image file. If you do not have administrator privileges, you will not be able to mount image files with Toast.

To mount an image file from the menu:

- 1 Choose Utilities > Mount Disc Image.
- 2 Select the image file you want to open.
- 3 Click Choose.

An icon of a disc appears on your Desktop when the image is mounted.

To mount an image file with Mount It:

- Control-click on the image file and choose More and select Mount It. Toast does not have to be running to mount the image.

To unmount an image file:

- Drag the disc icon on the Desktop to the Trash in the Dock.



Warning Do not drag the disc image file to the Trash unless you want to delete the image file from your hard disk.

ToastAnywhere™ Recorder Sharing

The ToastAnywhere feature helps you share CD, DVD or Blu-ray recorders across a network or the Internet with other users. An entire office or home network can use a single recorder.

To share your recorder with other users over a network:

- 1 Choose Toast > Preferences.
- 2 Click the Sharing tab.
- 3 Click Start.
- 4 If you want to establish a password that users must type in to access the recorder connected to your computer, click Require Password. A dialog box prompts you to enter the password. Click OK when you are finished.

Other Toast and Popcorn users will now be able to request access to your recorder provided that Toast is running on your machine and your recorder is not in use.

To record from Toast to a shared recorder:

- 1 Set up your disc project as you normally would.
- 2 At the bottom of the Toast window, click the Recording Options button.
A list appears displaying names of any recorders connected to your system and any shared recorders on the same local network.
- 3 Choose the name of a shared recorder.
To access a shared recorder at any location on the Internet, choose Other Shared Recorder. A dialog appears, where you can enter an IP address.
- 4 If the person who is sharing their recorder set a password, enter the password in the dialog box that appears.
- 5 Click the red Record button.

The person sharing their recorder will be prompted to insert a blank disc. Toast displays a progress bar as it records your disc over the network.

Comparing Files or Folders

You can compare the contents of files or folders to see if they match. You might do this to double-check that the original files are identical to a copy you made of them.

Compare differs from the verification that Toast performs after recording a disc. Verification only compares source data to a recorded disc, while Compare can compare any two data sets, such as two files, folders, or hard disks. Compare checks each individual file when comparing the data, while verification compares only blocks of data. Both are accurate, but Compare is more precise and can usually tell you exactly which file is missing or damaged.

To compare folders or files:

- 1 Choose Utilities > Compare.
- 2 Choose whether you want to compare folders or files from the pop-up:
 - **Compare Folders:** Compares any two folders, hard disks, or discs.
 - **Compare Files:** Compares any two files.
- 3 Click Original.
- 4 Select the original data you want to compare and click Choose.
- 5 Click Copy.
- 6 Select the copied data you want to compare and click Choose.
- 7 Click Start.

You will see a progress bar that tracks the comparison. Any data that is in the original but missing from the copy will appear in the list.

Creating a Temporary Partition

You can create a temporary partition on your hard disk that can be used to set up data you want to record to a disc. Temporary partitions allow you to have better control over the layout of your data and how its windows are arranged and displayed.

To create a temporary partition:

- 1 Choose Utilities > Create Temporary Partition.
- 2 Enter the size for the partition. Choose a size that is appropriate for the disc that you intend to make from the partition. For example, 650 MB is suitable for a CD and 4300 MB is suitable for a DVD.
- 3 Choose the file system format for the partition:
 - **Mac OS Extended:** The best choice for discs to be used on Mac OS 8.1 or later, including any Mac OS X system.
 - **Mac OS Standard:** For discs to be used on computers running Mac OS 8 or lower.
 - **UNIX File System:** For discs to be used on the UNIX operating system.
- 4 Click OK.

Toast mounts the partition on the Desktop. You can add files or folders to this partition.

To record the partition to disc, you can use the Disc Copy format and select the partition from the Read From menu. See *Copying a Disc* on page 121.

You can also use temporary partitions in Custom Hybrid and Mac Volume discs. See *Making a Custom Hybrid Disc* on page 64 or *Making a Mac Volume Disc* on page 66.

Toast Extras

Toast 10 Titanium includes a number of additional applications to help you save, share, and enjoy your digital media. They can easily be accessed from the Toast Extras menu.

CD Spin Doctor® Audio Recording Software

CD Spin Doctor helps you automatically capture system audio, capture and tag streaming music, and allows you to rediscover your music by digitizing analog audio from your vinyl LPs or tapes to enjoy on CD, DVD, or your iPod.

DiscCatalogMaker RE

DiscCatalogMaker RE tracks the contents of your burned discs so you can easily locate files and folders without having the disc in your computer – with photo thumbnails saved on your computer for easy Cover Flow® browsing.

Disc Cover 2 RE Disc Labeling Software

Disc Cover RE creates stunning disc labels and case covers for printing or laser-etching to LightScribe and LabelFlash enabled drives and media.

GetBackup 2 RE Backup Software

GetBackup RE helps you schedule backup sessions to any hard drive or networked device, CD, DVD or Blu-ray Disc™ and provides intelligent folder synchronization.

Streamer Video Streaming Software

Watch shows and movies captured on your EyeTV tuner or other sources streamed to your iPhone or iPod Touch.

TiVoToGo™ Transfers for Mac

Transfer recorded television shows to your Mac from a TiVo Series2, Series3, or TiVo HD DVR connected to your home network. Watch them on your Mac, burn them to a DVD, or convert them to your iPod® or PSP™. For more information on TiVoToGo Transfers for Mac, visit <http://www.roxio.com/enu/support/toast/tivo/>



Note You can view documentation for each of these applications online by choosing Help from within the application.

Making Data Discs

3

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What is a Data Disc?

A data disc is a CD, DVD, or Blu-ray disc that contains any files or folders. Data discs are meant to be used on a computer, such as a Mac or a PC. You can use a data disc to back up important information, to store your photos, or to share files with friends or family.

Types of Data Discs

Toast can create many kinds of data discs—more than any other Mac burning software.

- **Mac Only:** This disc can be used only on a Macintosh computer. This is the best choice for saving your data, provided that you will not need to access the contents of this disc on a Windows computer. See *Making a Mac Only Disc* on page 46.
- **Mac & PC:** This disc can be used either on a Macintosh or a Windows computer. This is the best choice for saving data to share with PC users. See *Making a Mac & PC Disc* on page 52.



Note Both Mac Only and Mac & PC formats support data spanning and allow you to define custom icons.

- **DVD-ROM:** This DVD can be used on a Macintosh or a Windows computer as well as in a set-top DVD player if it contains valid DVD-Video content. See *Making a DVD-ROM Disc* on page 57.
- **ISO 9660:** This disc can be used on any computer. See *Making an ISO 9660 Disc* on page 58.
- **Custom Hybrid:** This disc can be used either on a Macintosh or a Windows computer, and offers powerful layout customization for professionals. See *Making a Custom Hybrid Disc* on page 64.
- **Mac Volume:** This disc can be used only on a Macintosh computer and requires a valid volume file as a data source. See *Making a Mac Volume Disc* on page 66.

- **Photo Disc:** This disc can be used on either a Macintosh or a Windows computer, and allows you to archive and share your photos or other images. It preserves full-quality images and plays slideshows on any Mac or PC without the installation of additional software. See *Making a Photo Disc* on page 68.

Overview of Making a Data Disc

This section describes the basic process of making any data disc with Toast.

To make a data disc:

- 1 At the top left side of the Toast window, click on the Data icon.
- 2 Choose the disc format. For example, choose Mac Only.
- 3 Choose any optional settings.
- 4 Add files and folders to the disc by dragging and dropping them into the Content Area from your hard disk or the Media Browser, or by clicking the Add button at the bottom of the Media Browser.
- 5 **Optional:** Rearrange, rename and remove items from the Content Area. See *Working With Data Content* on page 50.
- 6 Insert a blank, recordable CD, DVD or Blu-ray disc.
- 7 Click the red Record button, choose a recorder from the list, and configure recording options, such as “Number of Copies.”
- 8 Click Record to continue.

Toast displays a progress bar and status information as it records your disc.



Note Data projects are automatically cataloged in DiscCatalogMaker RE to allow for easy tracking and searching of disc contents. You can disable this option on the Advanced tab of the Recorder Settings dialog which appears when you begin to burn a disc.

Making a Mac Only Disc

This type of disc can contain any files or folders and be used on any Macintosh computer. It supports features such as data spanning, compression, encryption, custom icons and backgrounds. This is the best choice for saving your data, provided that you will not need to access the contents of this disc on a Windows computer.

To make a Mac Only disc:

- 1 At the left side of the Toast window, click Data and choose Mac Only.
- 2 Choose optional disc settings:
 - Choose a method of compression and/or encryption:
 - **Compressed:** Select this option to compress the contents of the disc prior to recording.
 - **Encrypted:** Select this option to encrypt and require a password to access the disc contents.

See *Compression and Encryption* on page 48.

- **Auto-open disc window:** Select this option to automatically open the main window of the disc when it is inserted into a Macintosh.
- **HFS Standard:** Select this option to create a disc that can be used on Mac OS 8.1 or earlier. Do not select this option for discs to be used on Mac OS 9 or Mac OS X.



Note This option is only visible if Show Legacy Formats and Settings is checked in the Toast Preferences.

- 3 Click More for additional optional settings:
 - **Disc Name:** Type a name for the disc.
 - **Icon:** Choose a custom icon for the disc. (See *Custom Icons and Backgrounds* on page 49.)
 - **Disc View:** Choose the default Finder view for this disc: icon, list, or browser.
 - **Background:** Choose a custom background color or picture for the disc. (See *Custom Icons and Backgrounds* on page 49.)
- 4 Add files and folders to the disc by dragging and dropping them into the Content Area from your hard disk or the Media Browser.
- 5 Insert a blank, recordable disc.
- 6 Click the red Record button, choose a recorder from the list, and configure recording options, such as Number of Copies.
 - **Multi-session CDs:** If you are making a data CD and would like to leave the disc “open” so you can record additional data sessions at a later time, click the Advanced tab and choose Write Session. You can now continue to add data to this CD until you have exceeded its capacity or you choose Write Disc to “close” it. Each recording session will appear as a unique disc icon on your Desktop. This is normal Mac OS behavior and is not controlled by Toast. You cannot make multi-session DVDs or Blu-ray discs.
- 7 Click Record to continue.

Toast displays a progress bar and status information as it records your disc. If the files and folders you are recording exceed the capacity of a single disc, Toast will automatically span this data across multiple discs. See *Disc Spanning* on page 54.

Compression and Encryption

If you are recording a Mac Only data disc that does not span multiple discs, you can compress and encrypt the contents prior to recording. You can access the disc contents on any Mac OS X system. Toast is not required to decompress or decrypt the contents.

To compress a Mac Only disc:

- 1 Prepare your disc as you normally would. See *Making a Mac Only Disc* on page 46.
- 2 In the options area at the left side of the Toast window, click Compressed.
- 3 Click the red Record button.

The contents are compressed to a single file and recorded to the disc.

To access a compressed disc:

- 1 Insert the disc into a drive.
The disc contains a single file containing the compressed contents of the disc.
- 2 Double-click the compressed file.

The file decompresses to the Desktop.

To encrypt a Mac Only disc:

- 1 Prepare your disc as you normally would. See *Making a Mac Only Disc* on page 46.
- 2 In the options area on the left side of the Toast window, click Encrypted.
- 3 Click the red Record button.
- 4 When prompted, enter a password and click OK.



Warning Keep your password in a safe place. If you forget your password, there will be no way to access the data on the disc.

The contents are 128-bit encrypted to a single file and recorded to the disc.

To access an encrypted disc:

- 1 Insert the disc into a drive.

The disc contains a single file containing the compressed contents of the disc.

- 2 Double-click the encrypted file.
- 3 When prompted, enter the password and click OK.

The file will decrypt to the Desktop.

Custom Icons and Backgrounds

If you are creating a Mac Only or Mac & PC data disc you can select a custom icon instead of the generic disc, and choose a specific color or image for the main window background instead of standard white.



Note Customized backgrounds only display when the disc is viewed on a Mac.

To set a custom icon:

- 1 Prepare your disc as you normally would. See *Making a Mac Only Disc* on page 46 or *Making a Mac & PC Disc* on page 52.
- 2 In the options area on the left side of the Toast window, click More.
The data disc settings dialog appears and the current disc icon is shown.
- 3 Change the disc icon. There are two ways to do this:
 - **Add a photo or other image file:** Drag and drop a photo or other image file from your hard disk or the Media Browser on top of the current disc icon in the data disc settings dialog in Toast.
 - **Copy an existing icon from a file or folder on your hard disk:** Select the file or folder containing the icon you want to copy and choose File > Get Info. The Get Info window from the Finder appears. Click on the icon in the window and choose

Edit > Copy. In the data disc settings dialog in Toast, click on the current disc icon and choose Edit > Paste.

- 4 Click OK.
- 5 Click the red Record button.

The disc is recorded with the custom icon.

To set a custom background:

- 1 Prepare your disc as you normally would. See *Making a Mac Only Disc* on page 46 or *Making a Mac & PC Disc* on page 52.
- 2 In the options area on the left side of the Toast window, click More.
The data disc settings dialog appears and the current disc background is shown.
- 3 Change the background:
 - **Color:** Select Color and click the colored rectangle for a Colors palette. The top of the Colors palette contains several buttons to display color options, such as a box of crayons. Choose the background color you want and click OK.
 - **Picture:** Select Picture and click Select to choose a picture or other image file from your hard disk. Choose the background picture you want and click Choose.
- 4 Click OK.
- 5 Click the red Record button.

The disc is recorded with a custom background.

Working With Data Content

If you are creating a Mac Only or Mac & PC data disc, after you have added files or folders to the data Content Area, you can organize them in different ways, such as creating new sub-folders, rearranging their order, renaming items, and removing items.

The files and folders in the Content Area are only references to the original source data. Any changes to the Content Area do not affect the source data on your hard disk.

For example, renaming a file name in the Toast window does not rename the file on your hard disk, but only on the finished disc that you are creating. Removing a file from the Toast window does not delete the file from your hard disk, but only on the finished disc that you are creating.

Prepare your disc as you normally would. See *Making a Mac Only Disc* on page 46 or *Making a Mac & PC Disc* on page 52.

To create a new folder in the Content Area:

- Click New Folder at the bottom of the Toast window.

To rearrange files or folders in the Content Area:

- 1 Select the files or folders you want to rearrange.
- 2 Drag and drop selected files or folders into new locations in the Content Area.

To rename a file or folder in the Content Area:

- 1 Double-click on a file or folder, or select a file or folder and click Info at the bottom of the Toast window.
- 2 Type a new name.
- 3 Click OK.

You can also click on the name in the Content Area and wait a few seconds. After a few moments, the name will become highlighted and editable. Type a new name and press Enter to accept the change or press Tab to change the next item.

To remove files or folders from the Content Area:

- 1 Select the files or folders you want to remove.
Tip: To select all the files, choose Edit > Select All.
- 2 Remove the selected files or folders in any of these ways:
 - Click Remove.
 - Press Delete.
 - Choose Edit > Clear.

Making a Mac & PC Disc

This type of disc can be used either on a Macintosh or a Windows computer. This is the best choice for sharing files and folders with most computer users.

To make a Mac & PC disc:

- 1 At the left side of the Toast window, click Data and choose Mac & PC.
- 2 Choose optional disc settings:
 - **Auto-open disc window:** Select this option to automatically open the main window of the disc when it is inserted into a Macintosh.
 - **HFS Standard:** Select this option to create a disc that can be used on Mac OS 8.1 or earlier. Do not select this option for discs to be used on Mac OS 9 or Mac OS X. Note: This option is only visible if Show Legacy Formats and Settings is checked in the Toast Preferences.
- 3 Click More for additional optional settings:
 - **Disc Name:** Type a name for the disc.
 - **Layout:** Choose the default Finder view for this disc—icon, list or browser.
 - **Icon:** Choose a custom icon for the disc. See *Custom Icons and Backgrounds* on page 49.
 - **Background:** Choose a custom background color or picture for the disc. See *Custom Icons and Backgrounds* on page 49.
- 4 Add files and folders to the disc by dragging and dropping them into the Content Area from your hard disk or the Media Browser.
- 5 Choose which files and folders will appear on the Mac and on the PC by clicking the Mac and PC check boxes. By default, all files and folders are included.

If you choose to exclude a folder, all of the contents within the folder are also automatically excluded.

- 6 Insert a blank, recordable disc.
- 7 Click the red Record button, choose a recorder from the list, and configure recording options, such as Number of Copies.
- 8 Click Record to continue.

Toast displays a progress bar and status information as it records your disc.

Enabling Autorun

If you are creating a Mac and PC data disc, you can select a Windows executable file to launch automatically when the disc is inserted into a Windows PC.



Note This setting will not affect your disc when used in a Mac.

To select an executable file to autorun:

- 1 Prepare your disc as you normally would. See *Making a Mac & PC Disc* on page 52.
- 2 Click More for additional option settings.
- 3 From the Autorun pop-up menu, select the file you would like to launch when the disc is inserted in to a Windows PC.



Note You can only use files that are executable on a PC (files with extensions such as .EXE, .COM, or .BAT).

- 4 Click OK.
- 5 Record your disc.

The completed disc will have a hidden file called autorun.inf that is only visible on a PC. This file contains the instructions that will launch the selected executable on a Windows PC.

Disc Spanning

If you are creating a Mac Only or Mac & PC data disc, you can record large files and folders, even if they exceed the recording capacity of a single disc. If you do, Toast advises you of approximately how many blank discs are needed, and automatically spans the data across them.

The completed group of discs is called a disc set. Each disc in the set contains an index of the contents and location for every file and folder in the set.

To span discs:

- 1 Prepare your disc as you normally would. See *Making a Mac Only Disc* on page 46 or *Making a Mac & PC Disc* on page 52.

As you add data to the Content Area, the left side of the Toast window displays information about the number of discs you will need for recording. Click the disc capacity pop-up menu next to the Space indicator to adjust the information for CD, DVD, or Blu-ray disc media.

- 2 Record your disc.

Toast will prompt you to insert each blank disc while recording.

To not span discs:

- To not have your data spanned across discs, remove files or folders from the Content Area until the left side of the Toast window indicates that the contents will fit on a single disc.

Restoring Data Discs

Each disc in a Mac Only disc set also contains a small software application called Roxio Restore; Each disc in a Mac & PC disc set contains both Mac and PC versions of Roxio Restore.

Roxio Restore allows you to easily restore an individual file or folder, or the entire disc set. The Mac version of Roxio Restore runs on Mac OS X v 10.3 or higher; the PC version runs on Windows 2000, XP, or Vista.



Note Toast does not need to be installed on the computer on which you are restoring the files.

Some individual files may exceed the capacity of a single disc and will be split into multiple files. Roxio Restore automatically joins these split files back together.

To restore files and folders (using Mac OS X v10.3 or higher):

- 1 Insert any disc from the set into a Macintosh computer.
You will see the Roxio Restore application and a folder containing a portion of the data in the disc set appears.
- 2 Launch the Roxio Restore application.
You will see a directory of every folder and file in the disc set—in the same order and hierarchy as they were when you recorded the discs.
- 3 Browse to the file or folder you want to restore, select the item and click Restore.

If the desired file or folder is not on the current disc, Roxio Restore prompts you to insert the correct disc. You can also restore the entire disc set.

To restore files and folders (using Mac OS X v10.2 or lower):

- 1 Insert any disc from the set into a Macintosh computer.
You will see a folder containing a portion of the data in the set.
- 2 Open the folder containing the data and drag any file or folder to your hard disk.

Tip: You can manually rejoin split files using the “cat” command from the terminal in Mac OS X. Refer to the Support area on Roxio’s web site for more information. Choose Help > Product Support, and search the knowledge base for “Toast Disc Spanning.”

To restore files and folders from a Mac & PC disc set (using Windows)

- 1 Insert any disc from the set into a PC running Windows 2000 or higher.

Roxio Restore opens automatically. You will see a directory of every folder and file in the disc set—in the same order and hierarchy as they were when you recorded the discs.

Tip: If the application does not launch automatically, browse to your disc drive and double-click Roxio Restore.

- 2 Browse to the file or folder you want to restore, select the item and click Restore.

If the desired file or folder is not on the current disc, Roxio Restore prompts you to insert the correct disc. You can also restore the entire disc set.

Making a DVD-ROM Disc

This type of disc can be used on a Macintosh or a Windows computer; if it contains valid DVD-Video content, it can also be used in a set-top DVD player. This disc format is best if you have a VIDEO_TS folder and wish to add additional DVD-ROM data content.

If you have a VIDEO_TS folder and you wish to create a DVD-Video (and optionally compress the folder to fit on a DVD), you should use the DVD-Video from VIDEO_TS disc format. See *Making a DVD From VIDEO_TS Folders* on page 112.

To make a DVD-ROM disc:

- 1 At the left side of the Toast window, click Data and choose DVD-ROM (UDF).
- 2 Drag and drop a valid VIDEO_TS folder into the Content Area from your hard disk.

Toast will automatically add an empty AUDIO_TS folder to the disc at burn time for improved compatibility with set-top DVD players.
- 3 Double-click the small disc icon under the word DVD-ROM at the top of the Content Area to rename the disc. By default, the UDF disc will be named MY_DISC.
- 4 Insert a blank, recordable DVD.



Note You can also insert a blank, recordable CD to create a miniDVD. This type of disc has far less capacity than a DVD and will not play in your set-top DVD player, but should play in your Mac or PC.

- 5 Click the red Record button, choose a recorder from the list, and configure recording options, such as Number of Copies.
- 6 Click Record to continue.

Toast displays a progress bar and status information as it records your disc. The disc is recorded with UDF version 1.0.2.

Making an ISO 9660 Disc

ISO 9660 is a standard for cross-platform use on Macintosh, Windows, Unix, Linux, or DOS operating systems. ISO 9660 also supports appendable sessions, where all sessions appear as a single disc, in contrast to the Mac Only multi-session, where each session appears as a separate icon. However, ISO 9660 does not support custom features of the Mac file system, such as long file names and view or icon options, so it is not the best choice if you intend to access this disc only on a Macintosh computer.

To make an ISO 9660 disc:

- 1 At the left side of the Toast window, click Data and choose ISO 9660.
- 2 Drag and drop files and folders into the Content Area from your hard disk.
- 3 Click Select to configure the ISO disc. There are three configuration tabs:
 - **Files:** Selects the data to be included on the disc.
 - **Layout:** Determines the layout or order of the files on the disc.
 - **Settings:** Sets options for file naming and formatting.
- 4 Click the Files tab to add, remove or rename files and folders. On the Files tab, you can perform these tasks:
 - Create a new disc or folder by clicking New.
 - Add files or folders by clicking Add.
 - Import data from a prior session. See *Importing ISO Sessions* on page 60.
 - Remove an item by selecting it and clicking Remove.
 - Rename or hide an item in the list by double-clicking it.



Note These changes do not affect the original item on your hard disk, only the recorded disc.

- Set the Resolve Aliases option to ensure that if the source data contains aliases, Toast will find the original file and record this to the disc instead of the alias.



Note This option is recommended if you intend to use this disc on a Windows or Unix computer, and should be selected prior to adding files and folders.

- 5 Click the Layout tab to change the order of the files.
You can change the order in which the files are physically written on the disc. The files located at the top of the list are written first, toward the inner part of the disc. To move files, drag and drop them to the new position.
- 6 Click the Settings tab to change file naming and format options. You can change these options:
 - **Format:** Choose CD-ROM XA if you want to be able to add sessions at a later time. Choose CD-ROM if you intend to duplicate this CD at a replication plant, are writing an ISO DVD or Blu-ray disc, or are using an older CD-ROM drive that can only read this format.
 - **Naming:** Choose Joliet (MS-DOS + Windows) and Use Apple Extensions. This offers the most compatibility with Macintosh, Windows and Unix computers. Toast will adjust the file and folder names appropriately for each system. See *ISO Disc Naming Options* on page 61.

Click Set Defaults to use these settings as the default for future ISO 9660 discs.

- 7 Click Done.
- 8 Insert a blank, recordable CD, DVD, or Blu-ray disc.

You can also insert a previously recorded ISO CD that was created with CD-ROM XA format and left “open” for additional sessions.

- 9 Click the red Record button, choose a recorder from the list, and configure recording options, such as Number of Copies.
 - **Multi-session CDs:** If you are making an ISO CD and would like to leave the disc “open” so you can record additional data sessions at a later time, click the Advanced tab and choose Write Session. You can now continue to add data to this CD until you have exceeded its capacity or until you choose Write Disc to “close” it. You can append the sessions so they appear as a single icon on your Desktop.
-



Note You cannot make multi-session DVDs or Blu-ray discs.

- 10 Click Record to continue.

Toast displays a progress bar and status information as it records your disc. If you have inserted a previously recorded ISO CD that was left “open” for additional sessions. You will be prompted with Multisession recording options:

- **Ignore Existing Sessions:** Adds the new data to a new session—ALL old data will be inaccessible.
- **Append To Session:** Adds the new data to the existing session—both new and old data will be accessible.
- **Incremental Backup:** Adds only new data that has changed from the old session —both new and old data will be accessible.

Importing ISO Sessions

You can import a session from a previously recorded ISO CD.

To import a session:

- 1 At the left side of the Toast window, click Data and choose ISO 9660
- 2 To configure the ISO disc, click Select.
- 3 Insert the CD with the previously recorded session into your recorder.

- 4 Click Import and choose Import Session.

If there is at least one ISO session already written on the CD, the Import Session dialog box appears.

- 5 Select the session you want to import (usually the most recent session).

If you import a session other than the most recent one, you won't be able to see any data from the sessions written after the one you have imported.

- 6 Choose how you want the session imported:

- **Merged:** The contents of the old session are merged with the new contents.
- **Put into a directory:** The contents of the old session go into a folder.

- 7 Click OK.

The imported session appears in the ISO directory window. Files already written on the CD are marked with a small CD icon by their name.

You can now add, remove, move and rename files and folders. When you record the disc, to conserve space the items that you imported are not rewritten to the CD again; the directory structure is simply altered to match your changes.

To remove an imported session prior to recording:

- Click Import and choose Remove Imported Session.

All the files and folders from the imported session are removed from the window, leaving only new data that you may have added.

ISO Disc Naming Options

Toast automatically modifies file or folder names so they conform to the ISO naming options you choose. The ISO Files tab lists the modified name along with the original name (in gray). You can use the standard Edit > Copy command to copy the list of files from the Files tab to review which items Toast has modified.

There are several naming options:

- **ISO 9660 Level 1:** This is the original ISO naming format and is fairly restrictive.
 - **Length:** 8 characters with 3 character suffix
 - **Allowable characters:** uppercase letters (A-Z), numbers (0-9) and the underscore (_). No other characters are allowed.
 - **Examples:** ISO_NAME.TXT, IMAGE_1.TIF

ISO Level 1 has a limitation of 8 levels of nested directories. Toast allows you to have more than 8 levels, but the data might not be readable on many systems. Toast warns you before trying to write an ISO CD with more than 8 levels.
- **Allow MS-DOS Names:** This is similar to ISO Level 1 but not as restrictive. Use this option for CDs intended for DOS or Windows 3.x systems.
 - **Length:** 8 characters with 3 character suffix
 - **Allowable characters:** uppercase letters A-Z, numbers 0-9, the underscore _, and these special characters: { } @ - ^ ! \$ % & () ` ' # ~
- **Allow Macintosh Names:** Toast will leave all file and folder names as they are. If you are using an ISO format disc to make incremental backups from your Macintosh, choose this option. Discs created with this naming option can only be used on a Mac.
- **Joliet (MS-DOS + Windows):** Preserves long file names on the disc for use under Windows 95 or later and is fully compatible with older versions of DOS and Windows. This option is recommended for most uses and best compatibility.
 - **Length:** Up to 64 characters
 - **Allowable characters:** All characters except */:;?\
 - **Example:** 1998 Report to Shareholders

A Joliet format disc contains two file systems: an ISO 9660 compliant file system using DOS names and a Joliet file system

using long Unicode names. Mac OS X and all Windows 95 and higher systems will have access to the long names. ISO 9660-compliant systems such as DOS or UNIX will only see the ISO 9660 file system.

When you select Joliet, Toast does not automatically change file names. Instead, illegal names (containing */ ;? \) are listed with three red exclamation marks in the ISO File list.

To copy a list of illegal names to the clipboard:

- 1 In the ISO settings window, click Files.
- 2 Choose Edit > Copy.

A dialog box appears with various copy options (depending on the naming chosen)

- **All items:** All items in the files window are copied.
- **Renamed items:** Only items Toast has modified are copied.
- **Items with illegal names:** Only items with illegal names that violate the Joliet naming convention (such as using a slash /) are copied.

There are other naming settings:

- **Append Version Numbers (;1):** Adds the standard ISO version number (;1) to every file name. This version number is normally invisible, and is rarely needed.
- **Use Apple Extensions:** Writes both the data and resource forks for Mac files. This has no effect if the disc is used on a PC, but is recommended for use on a Mac.

Click More for additional naming options. This information is written to the disc as part of the directory and is generally not visible to the user.

Making a Custom Hybrid Disc

This type of disc can be used either on a Macintosh or a Windows computer, and offers powerful layout customization options for professionals such that:

- Certain Macintosh data will be visible only to Macintosh users.
- Certain Windows data will be visible only to Windows users.
- Users of both Macintosh and Windows can share some data.

To make a simple cross-platform disc to use on Macintosh or Windows computers, use Mac & PC format. See *Making a Mac & PC Disc* on page 52.

To make a Custom Hybrid disc:

- 1 At the left side of the Toast window, click Data and choose Custom Hybrid.



Note This format is only visible if you have selected Show Legacy Formats and Settings in the Toast Preferences.

- 2 Prepare the Macintosh files and folders for the disc by doing the following.
 - Create a temporary partition on your hard disk. See *Creating a Temporary Partition* on page 39.
 - Drag and drop files into this new temporary partition to add them. The items you add here will only be visible on a Macintosh computer, unless they are also included in the ISO portion of the disc. In this case they are visible on both Macintosh and Windows computers.

The Macintosh files and folders will be copied exactly to the disc, including window sizes, positions, and View menu settings. Be sure to prepare the volume carefully.

- 3 Click Select Mac to add the Macintosh partition to the disc.
- 4 Choose your temporary partition from the dialog and click OK.

5 Click Select ISO to add the Windows files and folders to the disc.

6 Drag and drop files and folders into the Files area.

The items you add here are only visible on Windows computers, unless you have added items that are also included in the Macintosh portion of the disc. In this case they are visible on both Macintosh and Windows computers, although they are only written to the disc once.

7 Click Settings and choose Joliet (MS-DOS + Windows) for the disc Naming and choose Use Apple Extensions. For a full explanation of the ISO disc format, see *Making an ISO 9660 Disc* on page 58.

8 Click Done.

9 Insert a blank, recordable CD, DVD, or Blu-ray disc.

10 Click the red Record button, choose a recorder from the list, and configure recording options, such as Number of Copies.

11 Click the Advanced tab and choose Write Disc to finalize the disc.

12 Click Record to continue.

Toast displays a progress bar and status information as it records your disc.

Previewing the disc

You can preview the structure and layout of a Custom Hybrid disc prior to burning it by saving it as a disc image and then using the Toast Image mounter.

To preview the disc:

1 Instead of recording, choose File > Save As Disc Image.

2 Choose Utilities > Mount Disc Image.

Two discs are mounted on the Desktop: one for the Macintosh part and one for the ISO part.

Making a Mac Volume Disc

This type of disc can be used only on a Macintosh computer and requires a valid volume file as a data source. You can use Mac Volume to copy an entire volume (hard disk, partition, etc.) to a disc exactly as it is. You cannot make a bootable Mac Volume disc.

For making a simple disc to use on a Macintosh computer, use Mac Only format. See *Making a Mac Only Disc* on page 46.

To make a Mac Volume disc:

- 1 At the left side of the Toast window, click Data and choose Mac Volume.



Note This format option is only visible if you have selected Show Legacy Formats and Settings in the Toast Preferences.

- 2 Prepare the Macintosh files and folders for the disc by doing the following:
 - Create a temporary partition on your hard disk. See *Creating a Temporary Partition* on page 39.
 - Drag and drop files into this new temporary partition to add them.

The Macintosh files and folders will be copied exactly to the disc, including window sizes, positions, and View menu settings. Be sure to prepare the volume carefully.

- 3 Click Select to add the Macintosh partition to the disc.
- 4 Choose your temporary partition from the dialog and click OK.

You can also select local disc volumes that have the comment “ok to write.” Other volumes are either remote or too large for a disc.

- **Optimize On-the-Fly:** Select this option for Toast to automatically defragment the data and organize it on the disc prior to recording. This is recommended only for Mac OS Standard volumes. Selecting this option for a Mac OS Extended volume creates a standard volume—all long file names and extended attributes will be lost.
- 5 Insert a blank, recordable CD, DVD, or Blu-ray disc.
 - 6 Click the red Record button, choose a recorder from the list, and configure recording options, such as Number of Copies.
 - 7 Click Record to continue.

Toast displays a progress bar and status information as it records your disc.

Making a Photo Disc

This type of disc can be used in either a Macintosh or Windows computer. It allows you to create a multi-purpose photo disc which you can use to perform these tasks:

- Archive your original photos—without conversion time or any loss of quality
- Automatically generate high-quality slideshows that can be viewed on both the Mac and PC without installing any special software
- Easily share photos with Mac or PC users in a standard format than can be used in printing kiosks or by retail photo finishers

To make a Photo disc:

- 1 At the left side of the Toast window, click Data and choose Photo Disc.
- 2 Choose optional disc settings.
- 3 Add pictures to the disc by dragging and dropping them into the Content Area from your hard disk or the Photos section of the Media Browser.
- 4 Insert a blank, recordable CD, DVD or Blu-ray disc.

Note The Media Browser provides immediate access to photos in your iPhoto and Aperture libraries.

- 5 Click the red Record button, choose a recorder from the list, and configure recording options, such as Number of Copies.
- 6 Click Record to continue.

Toast displays a progress bar and status information as it records your disc.

To play back your images as a slideshow (using Mac OS X v10.4 or higher):

- 1 Insert your Photo disc into a Macintosh computer.
The disc folder opens.
- 2 Double-click the Slideshow icon to begin the slideshow.



Note Toast does not need to be installed on the computer to play back the slideshow.

To play back your images as a slideshow (using Windows XP):

- Insert your Photo disc into a PC running Windows XP.
Once Windows detects the disc, the slideshow begins to play back automatically.

Tip: If the slide show does not launch automatically, browse to your disc drive and double-click the slideshow playback icon.

Using Toast Dynamic Writing

Toast Dynamic Writing allows you to use a Blu-ray Rewritable disc (BD-RE) like any other removable storage device (such as an external hard disk drive or a USB flash drive). You can simply drag and drop files to the disc icon on the Desktop to record them, or drag files from the disc to delete them.

To record to BD-RE media with Toast Dynamic Writing:

- 1 Launch Toast.
- 2 Insert a blank BD-RE disc in to your Blu-ray recorder.
- 3 Choose Recorder > Format Blu-ray Disc for Dynamic Writing.
Toast prompts you to format the disc.



Note Any data on the disc will be lost.

- 4 Click on the Format button to proceed.
When formatting is complete, a Blu-ray disc icon appears on the Desktop.
- 5 To record files and folders to the disc, drag them to the disc icon.
- 6 To erase files and folders from the disc, drag them from the disc to the Trash.



Note You can eject the disc and add more data to it at a later time.

Tip: Once you have formatted the disc, you can burn data using Toast Dynamic Writing even when Toast is not running.

Making Audio Discs

4

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What is an Audio Disc?

An audio disc is a CD or DVD that contains audio files. Audio discs are meant to be played in a home or car stereo, a set-top DVD player, or a Macintosh or Windows computer.

Types of Audio Discs

Toast can create many kinds of audio discs—more than any other Mac burning software.

- **Audio CD:** This CD can be played in most home or car stereo CD players, set-top DVD players, and computers. It is similar to a standard commercial CD you can purchase in music stores. This is the best choice for playback in a CD player. See *Making an Audio CD* on page 74.
- **Music DVD:** This DVD can be played in a set-top DVD player or in a Macintosh or a Windows computer with a DVD player. A music DVD can contain over 50 hours of music and has full navigation menus for song selection. This is the best choice for playback in a DVD player. See *Making a Music DVD* on page 78.
- **MP3 Disc:** This CD or DVD can be played in home or car stereo MP3 disc players, some set-top DVD players, and most Macintosh and Windows computers. MP3 discs have longer playing times than audio CDs but their playback is less universal. See *Making an MP3 Disc* on page 83.
- **Enhanced Audio CD:** This CD can be played in a home or car stereo CD player. It contains additional data content, which is accessible in a Macintosh or Windows computer. See *Making an Enhanced Audio CD* on page 84.
- **Mixed Mode CD:** This CD can be played in a Macintosh or Windows computer. It offers playback compatibility with older CD-ROM players and is rarely used. Enhanced Audio CD is a better choice for this type of disc. See *Making a Mixed Mode CD* on page 85.

Overview of Making an Audio Disc

This section describes the basic process of making any audio disc with Toast.

- 1 At the left side of the Toast window, click Audio and choose the disc format. For example, choose Audio CD.
- 2 Choose any optional settings.
- 3 Add audio files to the disc by dragging and dropping them into the Content Area from your hard disk or the Media Browser, or by clicking the Add button at the bottom of the Media Browser window.

Tip: To use the Media Browser, choose Window > Show Media Browser or press Ctrl+S. From the Media Type pull-down menu, choose the type of media you want to browse. For example, to browse your iTunes library, choose Audio. To browse other audio files, choose Files. (See *Using the Media Browser* on page 23.)

You can add any non-protected QuickTime supported audio files, such as AIFF, MP3, WAV, AAC, and even MOV. You can also add audio files that QuickTime doesn't support—such as Dolby Digital AC3, OGG and FLAC.

- 4 Insert a blank, recordable CD.
- 5 Click the red Record button, choose a recorder from the list, and configure recording options, such as Number of Copies.
- 6 Click Record to continue.

Toast displays a progress bar and status information as it records your disc.

Making an Audio CD

This disc can be played in most home or car stereo CD players, set-top DVD players, and computers. This is similar to a standard commercial CD you can purchase in music stores. This is the best choice for playback in a CD player.

To make an Audio CD:

- 1 At the left side of the Toast window, click Audio and choose Audio CD.
- 2 Choose optional disc settings:
 - **CD-TEXT:** Choose this option if you want to write CD-TEXT information onto the audio CD. If your recorder can write CD-TEXT and your CD player can display CD-TEXT, you will see this information during playback.
- 3 Add audio files to the disc by dragging and dropping them into the Content Area from your hard disk or the Media Browser.

You can add crossfades, trim tracks, adjust levels, and set pauses between tracks, as well as preview, rearrange, rename and remove tracks from the Content Area. See *Working with Crossfades* on page 77 and *Working With Tracks* on page 75.
- 4 Insert a blank, recordable CD.



Note Most home and car stereo CD players have better compatibility with CD-R media instead of CD-RW (rewritable) media.

- 5 Click the red Record button, choose a recorder from the list, and configure recording options, such as Number of Copies.
 - **DAO:** If you want to use Disc-At-Once recording click the Advanced tab and choose DAO. Disc-At-Once allows pauses of varying lengths of up to 8 seconds between tracks and supports CD-TEXT. DAO recording is recommended. TAO (Track-At-Once) recording requires a pause of 2 seconds between all tracks.
- 6 Click Record to continue.

Toast displays a progress bar and status information as it records your disc.

Working With Tracks

You can adjust pauses between tracks, as well as preview, rearrange, remove, or rename tracks in the Content Area. An audio CD can contain up to 99 tracks.

To adjust pauses between tracks:

- 1 Select the tracks for which you want to change the pause duration.
- 2 Click the Pause column.

Choose the pause that you want from the pop-up menu. You can set individual pauses from 0 to 8 seconds, but the pause before the first track must be two seconds.

To preview tracks:

- Select the track to highlight it, and then click the Play button in the playback controls at the bottom of the Toast window.

To rearrange tracks:

- 1 Select the tracks you want to rearrange.
- 2 Drag the tracks to a new position in the track list.

A black bar between tracks indicates where the tracks will be placed.

To remove tracks:

- 1 Select the tracks you want to remove.
- 2 Remove the selected tracks in any of these ways:
 - Click Remove.
 - Press Delete.
 - Choose Edit > Clear.

The selected tracks are removed from the Content Area, but the originals are not deleted from your hard disk or your iTunes library.

To view or edit track information:

- 1 Double-click on any track, or select a track and click Info at the bottom of the Toast window.
- 2 **Optional:** Edit information about the disc in the Disc tab, and edit information about individual tracks in the Tracks tab. This is the information that will appear on the finished disc if you have chosen to write CD-TEXT.
- 3 Click OK.

Working with Crossfades

A crossfade is a transition from one track to the next. In a crossfades, the two adjacent tracks overlap each other, and the first track fades out while the second fades in.

You can define a crossfade between any two adjacent tracks in your track list. Like all editing features in Toast, crossfades are nondestructive.

To create a crossfade:

- 1 Create an audio CD project and add your audio tracks to the Content Area. See *Making an Audio CD* on page 74.
- 2 Click on the crossfade column in the area directly to the right of a single track in your project, and select the desired crossfade effect.
Tip: Double-click a track to display additional crossfade options, as well as other audio options, such as track trimming and advanced mastering options.
- 3 After setting all crossfades, continue creating your audio CD as usual.

Making a Music DVD

A Music DVD can be played in a set-top DVD player or in a Macintosh or a Windows computer with a DVD player. A Music DVD should not be confused with a DVD-Audio disc. DVD-Audio discs require a special DVD player. A Music DVD is a standard DVD that contains music (and can also contain photo slideshows and videos), has full navigation menus for song selection, and can be played in any set-top DVD player.

A standard Music DVD can contain over 50 hours of music with Dolby Digital sound. If your recorder supports dual-layer recordable DVDs, you can create a Music DVD with over 100 hours of music.

To make a Music DVD:

- 1 At the left side of the Toast window, click Audio and choose Music DVD.
- 2 Choose optional disc settings:
 - **Menu Style:** Choose the style for the menu background image, text and buttons.
 - **Auto-play disc on insert:** Select this option to automatically play the first playlist when this disc is inserted into a DVD player. The DVD main menu is not displayed, but is accessible by choosing the MENU button on the DVD player remote control. Some players may not support Auto-Play.
 - **Play all items continuously:** Select this option to automatically play each playlist on the DVD without first returning to the DVD main menu.
 - **Include Shuffle play:** Select this option to include a Shuffle button for each playlist and SmartList in the DVD menu. Clicking the Shuffle button when playing this DVD will play the tracks in a random order.
 - **Include SmartLists:** Select this option to include SmartLists in the DVD menu. SmartLists are automatically generated playlists for all Artists, Albums and Songs on the DVD.

Click More for additional disc settings. See *Video Disc Settings* on page 104.

- 3 Choose the audio encoding format. By default, Toast encodes Music DVDs in Dolby Digital 192 kbps audio. This compresses the audio to maximize disc space to fit over 50 hours of music, but maintains full Hollywood-style fidelity.

To change the audio format from Dolby Digital to uncompressed PCM audio, click More and choose the Custom option from the Encoding tab. Choose PCM for the Audio Format.

Toast encodes PCM at 48 kHz / 16-bit or 48 kHz / 24-bit levels, which are higher than standard CD quality, and exceed the levels of most songs in your iTunes library. Audio that has been recorded at 96 kHz / 24 bit is downsampled automatically unless you choose the 96 kHz / 24 bit option, which maintains the higher quality but significantly reduces disc space.

There are also optional Encoding settings which apply to photo and video content. See *Disc Encoding Settings* on page 108.

- 4 Add audio files to the disc by dragging and dropping them into the Content Area from your hard disk or the Media Browser.

Each group of files you add into the Content Area appears as a playlist. Each playlist will have a button in the DVD menu that you can choose to play the music. You can duplicate, rearrange, remove or edit playlists. See *Working With Playlists* on page 80.

You can also optionally add photos and videos into the Content Area.

- 5 Insert a blank, recordable DVD.
- 6 Click the red Record button, choose a recorder from the list, and configure recording options, such as Number of Copies.
- 7 Click Record to continue.

Toast displays a progress bar and status information as it records your disc.

Working With Playlists

When creating a Music DVD, each group of audio files you add into the Content Area appears as a playlist. Each playlist will have a button in the DVD menu that you can choose to play the music. Playlists can contain up to 99 tracks. You can rearrange, duplicate, remove, or edit playlists.

To rearrange playlists:

- 1 Select the playlist you want to rearrange.
- 2 Drag the playlist to a new position in the Content Area.

A black bar between playlists indicates where the playlist will be placed.

To duplicate a playlist:

- Select a playlist and choose Edit > Duplicate.

To remove a playlist:

- 1 Select the playlist you want to remove.
- 2 Remove the selected playlists in any of these ways:
 - Click Remove.
 - Press Delete.
 - Choose Edit > Clear.

The playlists and the tracks within the playlist are removed from the Content Area, but the originals are not deleted from your hard disk or your iTunes library.

To edit the DVD menu button text or graphic for a playlist:

- 1 Select a playlist and click Edit, or double-click on any playlist.
- 2 Click the Text tab and edit the text.
- 3 Click the Playlist tab to edit the button graphic.
- 4 Drag and drop an image file from your hard disk, from the Media Browser, or from a web page, to the area of any track in the playlist that says "Drag Album Artwork Here." Click Set Button Picture.

The selected graphic will appear on the TV screen while a track in the playlist is playing if that track has no album artwork. If no graphic is selected for the button, the default button graphic Toast provides will appear.

- 5 Click Done.

To add tracks to a playlist:

- Drag tracks onto a playlist from the Media Browser or your hard disk. A black rectangle around the playlist indicates that the tracks will be added.

To remove, reorder, rename or add album art to tracks in a playlist:

- 1 Select a playlist and click Edit, or double-click on any playlist.
- 2 Click the Playlist tab and do one of the following:
 - To remove tracks, select a track and click Remove. The tracks are removed from the playlist, but the originals are not deleted from your hard disk or your iTunes library.
 - To reorder tracks, drag the track to a new position in the track list. A black bar between tracks indicates where the track will be placed. At the top of the track list is a button to toggle between large and small track rows for easier navigation.
 - To rename tracks, click the information in the track that you want to rename. After a moment, the name will become highlighted and editable. Type a new name and click in the next track to accept the change. This information appears on the TV screen while a track is playing.
 - To add album artwork, drag and drop an image file from your hard disk, from your Media Browser, or from a web page, to the area that says “Drag Album Artwork Here.” This artwork appears on the TV screen while the track is playing.

If the track already has album artwork in iTunes it will appear here. There are several utilities that can automatically add album artwork to tracks in your iTunes library. Search for “iTunes art” at www.versiontracker.com for options.

You do not need to add album artwork to each track. If the track has no album artwork, the button graphic from the DVD menu will be displayed instead during playback.

- 3 Click Done.

Making an MP3 Disc

This disc can be played in home or car stereo MP3 Disc players, some set-top DVD players, and most Macintosh and Windows computers.

A typical audio CD can hold over 70 minutes of music, while an MP3 CD can hold over 10 hours and an MP3 DVD can hold over 50 hours. However, an MP3 disc has limited menu capabilities for navigation, so finding a particular song can be difficult, and they can only be played on devices that support MP3 CD or DVD playback.

A Music DVD is the best choice for high capacity, full menu navigation, and universal playback. See *Making a Music DVD* on page 78.

To make an MP3 Disc:

- 1 At the left side of the Toast window, click Audio and choose MP3 Disc.
- 2 Add MP3 files to the disc by dragging and dropping them into the Content Area from your hard disk or the Media Browser.

You can add any existing MP3 file. Toast does not create MP3 audio files. To create MP3 files, you can use iTunes. You can also add existing non-MP3 files such as WMA or OGG to this disc if your player supports these formats.

You can also rearrange, rename and remove items from the Content Area. Rearranging the files into sub-folders may improve the playback navigation with some MP3 players. It does not affect the original files on your hard disk or iTunes library. See *Working With Data Content* on page 50.

- 3 Insert a blank, recordable CD, DVD, or Blu-ray disc.
- 4 Click the red Record button, choose a recorder from the list, and configure recording options, such as Number of Copies.
- 5 Click Record to continue.

Toast displays a progress bar and status information as it records your disc.

Making an Enhanced Audio CD

An Enhanced Audio CD contains audio tracks and enhanced data content such as photos or videos. The audio portion of the disc is playable in home and car stereo CD players, while the enhanced content is usable on a Macintosh or Windows computer.

Some older CD-ROM drives cannot recognize these discs. If this is the case, you can make a Mixed Mode CD, which is similar to an Enhanced Audio CD except it only has one session. See *Making a Mixed Mode CD* on page 85.

To make an Enhanced Audio CD:

- 1 At the left side of the Toast window, click Data and choose Mac & PC.
- 2 Add files and folders to the disc by dragging and dropping them into the Content Area from your hard disk or the Media Browser.
- 3 At the left side of the Toast window, click Audio and choose Enhanced Audio CD.
- 4 Add audio files to the disc by dragging and dropping them into the Content Area from your hard disk or the Media Browser.

You can add crossfades, trim tracks, adjust levels, and set pauses between tracks, as well as preview, rearrange, rename and remove tracks from the Content Area. See *Working with Crossfades* on page 77 and *Working With Tracks* on page 75.

- 5 Insert a blank, recordable CD.



Note Most home and car stereo CD players have better compatibility with CD-R media instead of CD-RW (rewritable) media.

- 6 Click the red Record button, choose a recorder from the list, and configure recording options, such as Number of Copies.
- 7 Click Record to continue.

Toast displays a progress bar and status information as it records your disc.

Making a Mixed Mode CD

A Mixed Mode CD contains one data track and one or more audio tracks, and is recorded in one session. You can play the audio or view the data on a computer. Mixed Mode CDs should not be played in a home or car stereo CD player and may damage your speakers.

To make a Mixed Mode CD:

- 1 At the left side of the Toast window, click Audio and choose Mixed Mode CD.



Note This format is only visible if you have selected Show Legacy Formats and Settings in the Toast Preferences.

- 2 Add audio files to the disc by dragging and dropping them into the Content Area from your hard disk or the Media Browser.
You can adjust pauses between tracks, as well as preview, rearrange, rename and remove tracks from the Content Area. See *Working With Tracks* on page 75.
- 3 At the left side of the Toast window, click Data and choose Mac & PC.
- 4 Add files and folders to the disc by dragging and dropping them into the Content Area from your hard disk or the Media Browser.
- 5 Insert a blank, recordable CD.
- 6 Click the red Record button, choose a recorder from the list, and configure recording options, such as Number of Copies.
- 7 Click Record to continue.
Toast displays a progress bar and status information as it records your disc.

Making Video Discs

5

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What is a Video Disc?

A video disc is a CD, DVD or Blu-ray disc that contains photos or video files. Video discs are meant to be played in a set-top player, and can also be used in a Macintosh or Windows computer with a DVD or Blu-ray player and appropriate software.

Types of Video Discs

Toast can create many kinds of video discs—more than any other Mac burning software.

- **Video CD (VCD):** This CD can be played in most set-top DVD players. A VCD holds approximately 60 minutes of video or slideshows and offers good quality, but menu navigation is limited. Playing VCDs on a computer usually requires additional player software. This is the best choice if you only have a CD recorder on your computer. See *Making a Video CD or Super Video CD* on page 91.
- **Super Video CD (SVCD):** This CD can be played in some set-top DVD players. An SVCD holds approximately 20 minutes of video or slideshows and offers better quality, but menu navigation is limited. Playing SVCDs on a computer usually requires additional player software. See *Making a Video CD or Super Video CD* on page 91.
- **DVD-Video:** This DVD can be played in a set-top DVD player or in a Macintosh or a Windows computer with a DVD player. A DVD can hold between 2 and 5 hours of video or slideshows and offers the best quality and full navigation menus. This is the best choice for playback in a DVD player. See *Making a DVD or BD Video Disc* on page 93.
- **DVD-Video from VIDEO_TS folders:** This DVD can be played in a set-top DVD player or in a Macintosh or Windows computer with a DVD player. It is created from an existing DVD VIDEO_TS folder and offers compression features to fit a large folder onto a standard recordable 4.7 GB DVD. If you add multiple VIDEO_TS folders to this project type, they will be all be processed in the order they appear in the project window. This is the best choice if you have one or more existing VIDEO_TS folders that you wish to burn as a DVD-Video. See *Making a DVD From VIDEO_TS Folders* on page 112.

- **Blu-ray Video:** This Blu-ray Disc can be played in a set-top Blu-ray player including the Sony PlayStation® 3. Blu-ray video discs can contain hours of high-definition video. This is the best choice for high definition video playback if you have a Blu-ray player. See *Making a DVD or BD Video Disc* on page 93.
- **High Definition on DVD:** This type of disc is created in the Blu-ray Video project, but allows you to burn high definition video to a standard DVD disc for playback in HD on a set-top Blu-ray Disc™ Player. This type of disc is also known as a AVCHD disc.
- **BDMV Folder:** This is a Blu-ray video disc which is created by using a valid BDMV video folder generated by another application.



Note Blu-ray (BDMV) video authoring functionality requires purchase of the BD plug-in. See www.roxio.com for more information.

Overview of Making a Video Disc

This section describes the basic process of making any video disc with Toast.

- 1 On the left side of the Toast window, click Video and choose the disc format. For example, choose DVD-Video.
- 2 Choose any optional settings.
- 3 Add photo or video files to the disc by dragging and dropping them into the Content Area from your hard disk or the Media Browser, or by clicking the Add button at the bottom of the Media Browser window.

Tip: To use the Media Browser, choose Window > Show Media Browser or press Ctrl+S. From the Media Type pull-down menu, choose the type of media you want to browse. For example, to browse your DVD-Video discs or Video_TS folders, choose DVD. You can also use the Media Browser to browse and add other files, such as TV shows recorded by EyeTV or transferred from your TiVo® DVR. (See *Using the Media Browser* on page 23.)

You can add any QuickTime-supported video files, such as DV, AVI, MOV, HDV (1080i/720p), and MPEG-4. You can also add files that QuickTime doesn't support such as iMovie HD projects, MPEG-2, Eye-TV recorded shows, and TiVoToGo™ transfers.

To add an iMovie '08 project, first save your project in iMovie. Next, select Share > Media Browser and ensure that the Large size is selected. After clicking Publish, your project will be available under Movies in the Media Browser.

Each group of photos you add into the Content Area appears as a slideshow. Each slideshow will have a button in the disc menu that you can choose to play the slideshow. You can duplicate, rearrange, remove or edit slideshows. See *Working With Slideshows* on page 96 for more information.

Each video you add into the Content Area will have a button in the disc menu that you can choose to play the video. You can duplicate, rearrange, remove or trim video. See *Working With Videos* on page 98 for more information.



Note You can automatically import tape from a DV camcorder for your disc. See *Using Plug & Burn™* on page 102.

- 4 Insert a blank, recordable disc.
- 5 Click the red Record button, choose a recorder from the list, and configure recording options, such as Number of Copies.
- 6 Click Record to continue.

Toast displays a progress bar and status information as it records your disc.

Making a Video CD or Super Video CD

Video CDs and Super Video CDs hold approximately 60 and 20 minutes of video or slideshows, respectively, and both offer good quality. However, menu navigation is limited for both. These CDs can be played in most set-top DVD players. Consult your DVD player manual to see if it supports Video CD or Super Video CD playback.

- **Video CD:** This is the best choice for a video disc if you only have a CD recorder in your Mac.
- **Super Video CD:** This is the best choice for playback in a DVD player if you only have a CD recorder in your Mac.

To play on a computer, you may need additional player software that supports Video CDs or Super Video CDs. Search for “VCD player” at www.versiontracker.com for options.

To make a Video CD or Super Video CD:

- 1 At the left side of the Toast window, click Video and choose the Video CD format you prefer.
- 2 Choose optional disc settings:
 - **Video Quality:** Toast must compress video to fit onto the CD. Choose the quality you want to have for the compressed video. Better quality takes longer to process.
 - **Good:** Suitable for simple video, such as people talking—fastest processing time.
 - **Better:** Suitable for most video—average processing time.
 - **Best:** Suitable for complex video, such as fast motion—slowest processing time.
 - **Menu Style:** Choose the style for the menu background image, text and buttons.
 - **Add original photos:** Select this option to include a copy of the original source photos from your slideshows in a folder on the

CD so they can be accessed in a Macintosh or Windows computer.



Note This format is only available if Show Legacy Formats and Settings is selected in the Toast Preferences.

- 3 Add photo or video files to the disc by dragging and dropping them into the Content Area from your hard disk or the Media Browser.



Note You can automatically import tape from a DV camcorder for your disc. See *Using Plug & Burn™* on page 102.

- 4 Insert a blank, recordable CD.
- 5 Click the red Record button, choose a recorder from the list, and configure recording options, such as Number of Copies.
- 6 Click Record to continue.

Toast displays a progress bar and status information as it records your disc.

Making a DVD or BD Video Disc

A standard DVD-Video can hold approximately 150 minutes (2.5 hours) of video or slideshows and offers the best quality, as well as Dolby Digital sound and full menu navigation. You can fit even more video than this at a lower quality level. If your recorder supports dual-layer recordable DVDs, you can create a DVD-Video with approximately 300 minutes (5 hours) of video at an average quality level.

DVD and Blu-ray video discs can hold hours of high definition video in a widescreen format, as well as Dolby Digital sound and full menu navigation.

Blu-ray video discs can be played in a set-top Blu-ray Disc™ player or PlayStation® 3.



Note HD video authoring functionality for DVD and Blu-ray Disc™ requires the purchase of High-Def/Blu-ray Disc plug-in. See www.roxio.com for more information.

If you have an existing VIDEO_TS folder that you want to turn into a DVD, you should use DVD-Video from VIDEO_TS format. See *Making a DVD From VIDEO_TS Folders* on page 112. If you have an existing BDMV folder that you want to burn to a disc, see *Making a BDMV Folder Disc* on page 117.

To make your video disc:

- 1 At the left side of the Toast window, click Video and choose the DVD-Video, or Blu-ray Video Disc.
- 2 Choose optional disc settings:
 - **Automatic Encoding:** Choose this option to use all video and audio encoding settings that maximize quality and fit the most content on the disc. Variable bit rate encoding is used for video, Dolby Digital 192 kHz is used for audio, and aspect ratio is determined automatically from the source videos.

- **Custom Encoding:** Choose this option to manually set video and audio encoding options. Click on the current settings to modify them. See *Disc Encoding Settings* on page 108 for more information.
 - **Video Quality:** Toast must compress video to fit onto the disc. Choose the quality you want to have for the compressed video. Better quality takes longer to process:
 - **Good:** Suitable for simple video, such as people talking—fastest processing time.
 - **Better:** Suitable for most video—average processing time.
 - **Best:** Suitable for complex video, such as fast motion—slowest processing time.
 - **Menu Style:** Choose the style for the menu background image, text, and buttons.
 - **Auto-Play disc on insert:** Select this option to automatically play the first video or slideshow when this disc is inserted into a set-top player. The main menu is not displayed, but is accessible by choosing the MENU button on the player's remote control.
 - **Play all items continuously:** Select this option to automatically play each video or slideshow on the disc without first returning to the main menu.
- 3 Click More for additional disc settings. See *Video Disc Settings* on page 104.
 - 4 Add photo or video files to the disc by dragging and dropping them into the Content Area from your hard disk or the Media Browser.
 - 5 Insert a blank, recordable DVD or Blu-ray Disc.
 - 6 Click the red Record button, choose a recorder from the list, and configure recording options, such as Number of Copies.
 - 7 Click Record to continue.

Toast displays a progress bar and status information as it records your disc.

Previewing a DVD-Video

You can preview a DVD-Video disc prior to burning an actual disc by saving it as a disc image file and then using the Toast Image mounter.

To preview the DVD:

- 1 Instead of recording, click the Save As Disc Image button.
- 2 Select your disc image and choose Utilities > Mount Disc Image.

Tip: You can also select the image, Control-click and choose Mount It.



Note For more information, see *Saving Disc Images* on page 35 and *Mounting Disc Images* on page 36.

The DVD is mounted on the Desktop. Use the DVD Player software included with Mac OS X to preview it.

If you are satisfied with the results, use the Image Copy format to record it. See *Copying a Disc Image File* on page 123.

Making a High Definition DVD

High-Definition DVD is a unique type of video disc which allows you to create author HD video to DVD, for playback in true high definition. This gives you the ability to create HD video discs without owning a Blu-ray Disc™ recorder. Although you are recording to standard DVD discs with this project, you can only view the finished project on a Blu-ray Disc™ player such as the PlayStation® 3. This type of project is ideal for creating video discs from your AVCHD camcorder.

A standard single-layer DVD can hold approximately 30 minutes of HD video and a dual-layer DVD can hold approximately one hour of HD video. While Toast will allow you to add more than these lengths of video, adding additional video requires that video be compressed further and results in a lower quality video. These discs offer full menu navigation and are created in much the same way that DVD-Video or Blu-ray Video projects are with the same options available.



Note HD video authoring functionality for DVD and Blu-ray Disc™ requires the purchase of High-Def/Blu-ray Disc plug-in. See www.roxio.com for more information.

To make a High Definition DVD:

- 1 At the top left of the Toast window, click Video and choose the Blu-ray Video project
- 2 Choose optional disc settings:
The disc settings and options available are identical to those available when creating a DVD or Blu-ray Disc™. For more information on these options and settings, see Making a DVD or BD Video Disc.
- 3 Add your HD video files to the disc by dragging and dropping them into the Content Area from your hard disk or the Media Browser.
- 4 On the disc gauge in the bottom right hand area of the window, select DVD or DVD DL as your target media type.
- 5 Insert a blank, recordable DVD
- 6 Click the red Record button, choose a recorder from the list, and configure recording options, such as Number of Copies.
- 7 Click Record to continue.

Toast displays a progress bar and status information as it records your disc.

Working With Slideshows

When creating a video disc, each group of photos you add into the Content Area appears as a slideshow. Each slideshow will have a button in the menu that will appear on your TV when you play the disc. Slideshows can contain up to 99 photos. You can rearrange, duplicate, remove, or edit slideshows.

To rearrange slideshows:

- 1 Select the slideshow you want to rearrange.
- 2 Drag the slideshow to a new position in the Content Area.
A black bar indicates where the slideshow will be placed.

To duplicate a slideshow:

Select a slideshow and choose Edit > Duplicate.

To remove a slideshow:

- 1 Select the slideshow you want to remove.
- 2 You can remove selected slideshows in any of these ways:
 - Click Remove.
 - Press Delete.
 - Choose Edit > Clear.

The slideshows and the photos within the slideshow are removed from the Content Area, but the originals are not deleted from your hard disk or from your iPhoto or Aperture library.

To edit the TV menu button text or graphic for a slideshow:

- 1 Select a slideshow and click Edit, or double-click on any slideshow.
- 2 Click the Text tab and edit the text.
- 3 Click the Slideshow tab to edit the button graphic.
- 4 Select any photo in the slideshow and click Set Button Picture.
- 5 Click Done.

To add photos to a slideshow:

Drag photos onto the slideshow from the Media Browser or your hard disk. A black rectangle around the slideshow indicates that the photos will be added.

To remove or reorder photos in a slideshow:

- 1 Select a slideshow and click Edit, or double-click on any slideshow.
- 2 Click the Slideshow tab and choose from any of the following options:
 - To remove photos, select a photo and click Remove. The photos are removed from the slideshow, but the originals are not deleted from your hard disk, iPhoto, or Aperture library.

- To reorder photos, drag the photo to a new position in the photo list. A black bar between photos indicates where the photo will be placed. At the top of the photo list is a button to toggle between large and small photo rows for easier navigation.

3 Click Done.

To adjust the slideshow duration:

- 1 Select a slideshow and click Edit, or double-click on any slideshow.
- 2 Click the Slideshow tab.
- 3 Click Slide Duration and choose the length of time for each slide to appear. The slideshow will automatically advance to the next slide after the set time. You can also manually advance to the next slide by using the chapter buttons on your player remote control. Choose Manual if you do not want the slideshow to automatically advance, and only want to manually advance the slideshow.

Some players may not support Manual for advancing images.

4 Click Done.

Working With Videos

When you play your completed video disc, you see a menu containing a button for each video that was added to the Content Area. You can rearrange, duplicate, and remove videos. You can trim a video file to determine which portion of the video Toast records to disc. This does not affect the original video file on your hard disk.

You can add chapters to a video disc and during playback you can use the chapter buttons on your player's remote control to advance or rewind the video.

To rearrange videos:

- 1 Select the video you want to rearrange.
- 2 Drag the video to a new position in the Content Area.
A black bar indicates where the video will be placed.

To duplicate a video:

Select a video and choose Edit > Duplicate.

To remove a video:

- 1 Select the video you want to remove.
- 2 Remove the selected video in any of these ways:
 - Click Remove.
 - Press Delete.
 - Choose Edit > Clear.

The video is removed from the Content Area, but the original is not deleted from your hard disk or your Movies folder.

To edit the TV menu button text or graphic for a video:

- 1 Select a video and click Edit, or double-click on any video.
- 2 Click the Text tab and edit the text.
- 3 Click the Video tab to edit the button graphic.

Some video files may not have a Video tab. To edit the button graphic for these files, click OK and then click the existing button graphic in the Content Area. Use the slider to select the video frame you want as the graphic.

- 4 Choose the frame of video you want to use as a button picture:

Press the Play button to play the video. When you find the video frame you want, click Pause. You can also drag the playhead back or forth to preview the video until you find the video frame that you want.
- 5 Click Set Button Picture.
- 6 Click Done.

To trim or edit portions of video:

- 1 Select a video and click Edit or double-click on any video.
- 2 Click the Video tab.

Some video files may not have a Video tab and these files cannot be cropped.

- 3 In the preview window, set the area to trim by manipulating the Trim markers, which are small triangles at the start and end of the blue bar below the video:

Drag the start marker to the right to mark the beginning of the video. You can also click on the marker and use the right arrow key for more precise placement.

Drag the end marker to the left to mark the end of the video. You can also click on the marker and use the left arrow key for more precise placement.

The video between the start and end marker (the lighter blue) is included on the finished disc at recording time. The area outside of the markers (the darker blue) is excluded from the finished disc. The original video on your hard disk is unaffected.

- 4 Click Done.



Note Editing TiVo and EyeTV recordings, or video from your AVCHD camcorder will launch in the Toast Video Player and allow you to edit your video. Once your editing has been completed, you will be taken back to Toast with your edited video. Your original file will never be modified.

You can duplicate a video and have different trim marks for each copy.

To set chapter markers:

- 1 Select a video and click Edit, or double-click on any video.
- 2 Click the Video tab. Some video files may not have a Video tab.
- 3 Click the pull down Chapters menu and select one of the following:
 - None: Select this option to have no chapter markers on the disc.
 - Automatic: Select this option to use chapter markers set in iMovie. This option also assigns chapters markers based on

scenes detected during Plug & Burn video import for DVD. See *Using Plug & Burn™* on page 102.

- # Minutes: Select this option to assign chapters at fixed time intervals.
- 4 To include a scene menu on the disc based on the chapter markers you have added, choose the Include scene menus for video option in the Disc Settings. See *Video Disc Settings* on page 104.
 - 5 Click Done.

Using Plug & Burn™

When creating a video disc, you can automatically import video from your DV camcorder using the Plug & Burn feature. You can import the entire tape or only a portion of the tape. After importing, you can immediately start recording your disc, or add other video or slideshows from your hard disk before recording.

When you play your completed video disc, you see a menu containing a button for each video you imported.

To import video:

- 1 Start a new Video CD, Super Video CD, DVD-Video, or Blu-ray Video project:

- See *Making a Video CD or Super Video CD* on page 91.
- See *Making a DVD or BD Video Disc* on page 93.

Choose any optional disc settings before beginning the Plug & Burn.

- 2 Connect your DV camcorder to your computer via a Firewire cable and set it to playback (VCR) mode.

In a few seconds, a camcorder icon appears in the Content Area.

- 3 Use the camera controls next to the camcorder icon to fast-forward or rewind to the point where you want to begin importing. If you want to import from the beginning of the tape, skip this step.
- 4 Click Import.

5 Choose Plug & Burn options:

- **Clip Description:** Enter text for the menu button on the TV menu for this video.
- **Import:** Select the amount of video (in minutes) you want to import. Choose Entire Tape to import all the video on the DV tape.
- **Rewind Tape/Current Position:** Choose Rewind Tape to automatically rewind to the beginning of the tape before importing. Choose Current Position to begin importing from the current location on the tape.

You can import and then record the disc immediately, or import and add additional video or slideshows before recording the disc.

To start recording the disc immediately after importing:

- 1 Insert a blank, recordable disc.
- 2 Click Import & Record, choose a recorder from the list, and configure recording options, such as Number of Copies.
- 3 Click Record to continue.

Toast starts the DV camcorder and import the video to your hard disk. When importing is complete, Toast records the disc. Toast displays a progress bar and status information as it records your disc.

To import and then add additional video or slideshows before recording:

- Click Import.

Toast starts the DV camcorder and import the video to your hard disk. When importing is complete, a new video is added to the Content Area. You can then add additional videos and slideshows.

You can also export the imported video to your hard disk.

Imported video is temporarily stored in the Roxio Converted Items folder in your Documents folder. Imported video files can be very large (2 GB for every 10 minutes of imported video) and are automatically deleted when

you quit Toast. The original source content is not deleted from your camcorder DV tape.

You can configure your preferences to save these imported items for a longer time. See *Configuring when Roxio Converted Items is emptied* on page 25.

Video Disc Settings

When creating a Music DVD, DVD-Video, or Blu-ray video disc, you can choose various options for the disc content and menus. Some of the more common settings are also available in the Options area below the disc formats. (The Disc Settings dialog contains these common options and more.)

To change the DVD Settings:

- 1 Start a new Music DVD or Video Disc project:
 - See *Making a Music DVD* on page 78.
 - See *Making a DVD or BD Video Disc* on page 93.
- 2 At the left side of the Toast window, click More.
- 3 Click the Disc tab and choose the optional disc settings:
 - **Disc Name:** Type a name for the disc. This name is visible when you insert the disc into a Macintosh or Windows computer.
 - **Auto-Play disc on insert:** Select this option to automatically play the first video, slideshow or playlist when this disc is inserted into a player. The main menu is not displayed, but you can access it by pressing the MENU button on the player's remote control.
 - **Play all items continuously:** Select this option to automatically play each video, slideshow or playlist on the disc in sequence, without returning to the main menu in between.
 - **Add data content:** Select this option to include any additional data in the ROM portion of the disc. This data will be accessible when the disc is used on a Macintosh or Windows computer. For more information, see *Adding ROM data to a DVD-Video Disc* on page 107.

- **Add original photos:** Select this option to include a copy of the original full-quality source photos from your slideshows in a separate folder on the disc. This folder will be accessible when the DVD is used on a Macintosh or Windows computer.
- 4 Click the Menu tab and choose the optional menu settings:
- **Menu Title:** Type a title for the main menu.
 - **Menu Style:** Choose the style for the menu background image, text and buttons.

DVDs made with Toast will have menus that contain buttons similar to the menus and buttons in a commercially-produced DVD. Your final disc allows you to navigate through menus and select buttons to play videos, slideshows or playlists.

To create a disc with no menu, choose “No Menu” as the style.

- **Number of Buttons:** Choose the number of buttons to appear on each menu.



Note Different menu styles have different options available for the number of buttons available on a single menu screen.

Toast adds a button to your menu for each video, slideshow or playlist you add to the disc. Each time you fill a menu with the maximum number of buttons, as specified here, Toast automatically creates a new menu.

- **Button Highlight Color:** Choose the highlight color that will be visible when a button is selected on your DVD.
- **Background Color:** Choose a color that will be used as your menu background color. This will replace the background in any selected menu style.
- **Text Color:** Choose a color that will be used for any text displayed on the disc menus.

- **Custom Menu Background:** Click the Select button to add a custom menu background image. You can also drag and drop an image from the Media Browser onto the existing menu thumbnail image.

To remove a custom menu background, select the thumbnail image and press Delete.

- **Include scene menus for videos:** Select this option to include a scene menu in the menu for all videos on your disc. You will be able to play the video from various points using this menu.
- **Include slide menus for slideshows:** Select this option to include a slide menu in the menu for all slideshows on your disc. You will be able to play the slideshow from various points using this menu.
- **Includes SmartLists for music:** Select this option to include SmartLists in the DVD menu for Music DVDs. SmartLists are automatically generated playlists for all Artists, Albums and Songs.
- **Include Shuffle play:** Select this option to include a Shuffle button for each slideshow, playlist and SmartList in the menu. Clicking the Shuffle button while playing the disc will play the photos or music tracks in a random order.

5 Click OK.

Adding ROM data to a DVD-Video Disc

When creating a DVD-Video disc, you can choose to add additional data files to the disc that will only be accessible when you're viewing the contents of your finished disc on a Mac or PC. When playing back your DVD on a set-top player, these additional files will be ignored by the DVD player.

To add files to a DVD-Video disc:

- 1 At the top left of the Toast window, click Data and choose the DVD-ROM (UDF) project
- 2 Add files or folders to the project by dragging and dropping them into the Content Area from your hard disk or the Media Browser.
- 3 Click the Video category and select DVD-Video.
- 4 Create your DVD-Video project but do not begin recording to disc yet. For more information on creating a DVD-Video project, see *Making a DVD or BD Video Disc* on page 93.
- 5 Click on the More button to bring up options for your DVD-Video project.
- 6 On the Disc tab, ensure that the option titled "Add data content" checked, and then click OK.
- 7 Insert a blank, recordable DVD
- 8 Click the red Record button, choose a recorder from the list, and configure recording options, such as Number of Copies.
- 9 Click Record to continue.

Disc Encoding Settings

When creating a Music DVD, DVD-Video, or Blu-ray video, you can choose various options for the video and audio encoding. Some of the more common settings are also available in the Options area below the disc formats. (The Disc Settings dialog contains these common options and more.)

To change the Encoding Settings:

- 1 Start a new Music DVD or Video Disc project:
 - See *Making a Music DVD* on page 78.
 - See *Making a DVD or BD Video Disc* on page 93.
- 2 At the left side of the Toast window, click More and choose the Encoding tab.
- 3 Choose either Automatic or Custom:
 - **Automatic:** Choose this option to use video and audio encoding settings that maximize quality and fit the most content on the disc. Variable bit rate encoding is used for video, Dolby Digital 192 kHz is used for audio, and aspect ratio is determined automatically from the source videos.
 - **Custom:** Choose this option to manually set video and audio encoding options. This option is recommended only for people who have an understanding of video and audio encoding terminology.
- 4 If you selected Automatic, choose the Video Quality:
 - **Good:** Suitable for simple video, such as people talking—fastest processing time.
 - **Better:** Suitable for most video—average processing time.
 - **Best:** Suitable for complex video, such as fast motion—slowest processing time.

5 If you selected Custom, choose the video encoding options:

- **Average Bit Rate:** Sets the desired average target bit rate for the video encoder.
- **Maximum Bit Rate:** Sets the maximum bit rate for the video encoder.

The minimum bit rate is derived from the above two values using the following formula: $\text{Minimum} = (2 \times \text{Average}) - \text{Maximum}$.

- **Motion Estimation:** Choose the method used to search for pixel movement in the video stream. This setting has a large impact on the final quality, but on the processing time as well. Better motion estimation takes longer to process.
- **Half-PEL:** Choose whether the motion estimation operation also looks for pixels that move only one half of a pixel from one frame to the next. This setting should usually be enabled and should only be disabled if speed is desired over quality.
- **Reencoding:** Choose Always to reencode all source video. Choose Never to not reencode any source video. Choose Automatic to only reencode non-standard source video.
- **Field Dominance:** This setting should match the field order of the source video. DV is generally bottom field first, but other types of video may be different. In most cases, Toast is able to detect the field order of the source video and the Automatic setting should work fine.
- **Aspect Ratio:** This setting should match the aspect ratio of the source video. In most cases, Toast is able to detect the aspect ratio of the source video and the Automatic setting should work fine.

- 6 If you selected Custom, choose the audio encoding options:
- **Audio Format:** Choose Dolby Digital or uncompressed PCM. In almost all cases, Dolby Digital is the best choice. It uses less disc space, so you can fit more video on the DVD, and the sound quality is almost the same as PCM.
 - **Data Rate:** Choose the bit rate to encode the Dolby Digital audio. Higher bit rates can produce slightly better sounding audio, but use more disc space. Toast uses 192 kbps by default.
 - **Dynamic Range Compression:** Enabling dynamic range compression reduces the range between loud and soft sounds in order to make dialogue more audible, especially when listening at low volume levels.

PCM audio should be used if you want to maintain 100% fidelity and only if the audio source is already uncompressed PCM, such as tracks on an audio CD or a high quality audio recording. If the audio files are already compressed (such as MP3 or AAC songs in your iTunes library) do not use PCM—it will not improve the sound quality.

Toast records PCM at 48 kHz / 16 bit levels or 48 KHz / 24 bit levels, which are higher than standard CD quality. Audio that has been recorded at 96 kHz / 24 bit is downsampled automatically unless you choose the 96 kHz / 24 bit option, which maintains the higher quality but significantly reduces disc space.

When you choose PCM, any existing Dolby Digital audio files will be “passed through” without reconvertng to PCM.

- 7 Click OK.



Note You can also click Reset Defaults if you want to reset the video and audio encoding to the default settings when Toast was first installed.

The Toast Preferences contains options for setting the appropriate TV standard for your video discs.

To change TV standard preferences:

- 1 Choose Toast > Preferences.
- 2 Choose the TV Standard:
 - **NTSC:** Create discs compatible with televisions in North America, Japan, and parts of South America and Asia.
 - **PAL:** Create discs compatible with televisions in much of Europe and Asia, and parts of South America.
- 3 Close the preferences.

Encoded items are temporarily stored in the Roxio Converted Items folder in your Documents folder. These items are available for additional disc projects and will not need to be reencoded. Temporary files can be very large and are automatically deleted when you quit Toast.



Note The original source content is not deleted from your hard disk.

You can configure your preferences to save these imported items for a longer time. See *Configuring when Roxio Converted Items is emptied* on page 25.

Making a DVD From VIDEO_TS Folders

You can create a DVD from one or more existing DVD-Video VIDEO_TS folders for playback on a set-top DVD player or in a Macintosh or Windows computer with a DVD drive and DVD playback software.

Some VIDEO_TS folders may be too large to fit on a standard recordable 4.7 GB DVD. Toast can compress this video to fit on a standard DVD, or if your recorder supports dual-layer recordable DVDs, you can create a dual-layer DVD-Video from this folder.

This is the best choice if you want to burn existing VIDEO_TS folders.

To make a DVD from a VIDEO_TS folder:

- 1 At the top left side of the Toast window, click Video and choose VIDEO_TS Folders.
- 2 Enable the Use Fit-to-DVD™ video compression option.
Fit-to-DVD automatically compresses the video to fit on a standard 4.7 GB recordable DVD. Compressing may result in a slight reduction in video quality, but will leave the audio quality unchanged.



Note If you are recording to a dual-layer DVD, no compression will occur.

- 3 Drag and drop a VIDEO_TS folder into the Content Area from your hard disk.
A summary of the information that will be copied appears in the content area.
- 4 Click Copy Options to choose optional Fit-to-DVD settings:
You can choose to copy only the main movie with a specific language and audio format. This will reduce the amount of compression required and maximize quality and available disc space. See *Changing Copy Options* on page 114.

Note If you would like to burn multiple DVD-Video discs in succession, you can add additional VIDEO_TS folders to the Content area and select the Copy Options for each of these.

- 5 Insert a blank, recordable DVD.
- 6 Click the red Record button, choose a recorder from the list, and configure recording options, such as Number of Copies.
- 7 Click Record to continue.

Toast automatically adds an empty AUDIO_TS folder to the disc at burn time for improved compatibility with set-top DVD players.

Toast displays a progress bar and status information as it records your disc. If you are burning multiple VIDEO_TS folders, you will be prompted to insert a blank, recordable DVD for each one.

You can preview a DVD prior to burning an actual disc by saving it as a disc image and then using the Toast Image mounter.

Note When burning multiple VIDEO_TS folders at the same time, use the Save as Disc Image button and Toast will process each VIDEO_TS folder without requiring any user interaction. These image files can be burned at a later time.

To preview the DVD:

- 1 Instead of recording, choose File > Save As Disc Image.
- 2 Select your disc image and choose Utilities > Mount Disc Image.
You can also select the image, control-click and choose Mount It.
See *Saving Disc Images* on page 35 and *Mounting Disc Images* on page 36.

The DVD is mounted on the Desktop. Use the DVD Player software included with Mac OS X to preview it.

If you are satisfied with the results, use the Image Copy format to record it. See *Copying a Disc Image File* on page 123.

Changing Copy Options

Fit-to-DVD compresses video to fit on a standard 4.7 GB recordable DVD. Compressing may result in a slight reduction in video quality, but will leave the audio quality unchanged. By default, the entire disc is copied, with all menus, video, and audio. You can choose to exclude specific video, audio, and languages. Excluding unnecessary content reduces the amount of compression required and maximizes quality and available disc space.

To change copy options:

- 1 Click Fit-to-DVD video compression and add your source to the Content Area.
- 2 Click Copy Options.
- 3 Select the Video pop-up and choose the video to include:
 - **All:** Select to copy all video. All menus will be included.
 - **Main:** Select to include only the single longest-running video. Menus will not be included.
 - **Custom:** Select to choose the specific videos to be included. Menus will not be included.



Note If you choose Main or Custom, the copied disc will not have a menu, but the first video will play automatically when the disc is inserted. If the disc contains multiple videos, all videos will play continuously, in sequence. You may be able to use the Title menu in your DVD player to select a video.

If the Apple DVD Player software is installed on your Mac, you can preview a video by clicking on the small Play button on the video thumbnail.

- **Languages:** Select which languages to include. Minimizing the number of languages provides additional room on the DVD, which can result in better video quality.

- 4 Select the Audio pop-up, and choose the audio to include:
 - **All:** Select to include all audio for each video.
 - **Main:** Select to include only the primary audio for each video (typically the highest-quality Dolby Digital). Secondary audio, such as director's commentary, or other audio formats such as PCM or DTS audio will be excluded.
-



Note If you set the Video option to Custom, the Audio pop-up does not appear. Instead, you can select audio and language options for each individual video.



Note When you remove audio or languages, the audio setup menu and secondary audio on the copied disc may not behave as expected. However, the main audio and video should operate as expected. For best results, choose All.

As you make your selections, the amount of compression and the video quality indicator change. If you choose to include only the main movie or reduce the number of languages and audio, the indicator shows improved quality for the resulting DVD.

- 5 Click OK to continue, and proceed with your copy.

Making a VIDEO_TS Compilation

You can create a DVD by compiling multiple DVD-Video VIDEO_TS folders onto one disc and play it on a set-top DVD player or in a Macintosh or Windows computer with a DVD player.

Some VIDEO_TS folders may be too large to fit on a standard recordable 4.7 GB DVD. Toast can compress this video to fit on a standard DVD, or if your recorder supports dual-layer recordable DVDs, you can create a dual-layer DVD-Video from this folder.

This is the best choice if you have multiple VIDEO_TS folders that you want to compress on one DVD-Video disc.

To make a VIDEO_TS Compilation disc:

- 1 At the left side of the Toast window, click Video and choose VIDEO_TS Folder Compilation.
- 2 Drag and drop each VIDEO_TS folder into the Content Area from your hard disk or Media Browser.
A summary of the information that will be copied appears in the content area.
- 3 Click Options to choose optional Fit-to-DVD settings. See *Changing Copy Options* on page 114 for more information.
- 4 Insert a blank, recordable DVD.
- 5 Click the red Record button, choose a recorder from the list, and configure recording options, such as Number of Copies.
- 6 Click Record to continue.

Toast displays a progress bar and status information as it records your disc.

Making a BDMV Folder Disc

You can create a Blu-ray video disc by using an already authored and valid BDMV Folder. A BDMV folder contains the media files for the Blu-ray Disc's video and audio content and is located at the root level of the disc.

This is the best choice if you have a BDMV folder that was created by Toast or another Blu-ray Disc™ authoring application.

To make a BDMV folder disc:

- 1 At the left side of the Toast window, click Video and choose BDMV Folder

- 2 Drag and drop your BDMV Folder in to the content area.

A summary of the information that will be copied appears in the content area.

- 3 Insert a blank, recordable Blu-ray disc as appropriate. Your source video will not be compressed which may require you to use a dual-layer Blu-ray disc if the video will not fit on a single-layer disc.

- 4 Click the red Record button, choose a recorder from the list, and configure recording options, such as Number of Copies.

- 5 Click Record to continue.

Toast displays a progress bar and status information as it records your disc.

Creating an AVCHD Archive

This project makes it easy to back up and archive the content of an entire AVCHD camera across one or more discs. AVCHD camcorders are capable of storing much more video than can traditionally be recorded on a single DVD, and in many cases more than on a single Blu-ray Disc™.

In addition to spanning your video across multiple DVD or Blu-ray discs, each of the discs created can be used as an AVCHD video source in applications such as Toast, and iMovie. These applications will treat each disc as if it was an AVCHD camcorder.

To create an AVCHD Archive

- 1 At the top left of the Toast window, click Video and choose AVCHD Archive.
- 2 Connect your AVCHD camcorder to your computer via the USB connection and ensure it is set to the proper mode so your Mac can access the video. On most camcorders, this is the Playback mode.

It is also suggested that you have AC power connected to the camcorder, and in some cases required by the camcorder itself.
- 3 Select your AVCHD source in the pulldown menu. AVCHD camcorders typically appear as a removable volume or drive.
- 4 Insert a blank, recordable DVD or BD disc.
- 5 Click the red Record button, choose a recorder from the list, and configure any optional recording settings.
- 6 Click Record to continue.

If more than one blank disc is required, you will prompted with the total number of discs required before recording begins.

Toast displays a progress bar and status information as it records your disc.

Note You can enable the option to Save Video Preview in Movies Folder. This will create a low-resolution preview version of your video inside your Movies folder so you can quickly browse archived AVCHD video on your hard disk instead of searching through multiple discs for the right video.

Copying Discs

6

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Types of Copies

Toast can copy many kinds of discs and image files—more than any other Mac burning software.

- **Disc Copy:** Copy a non-protected CD, DVD, or Blu-ray disc to another disc. This is the best choice for most copies. See *Copying a Disc* on page 121.
- **Image File:** Copy a disc image file to a CD, DVD, or Blu-ray disc. See *Copying a Disc Image File* on page 123.
- **Disc Image Merge:** Merges a Mac disc image and a PC disc image into a hybrid disc copy. See *Merging Disc Images* on page 124.

Note You can copy CD-ROM XA source files and CD-i disc image files to disc. To show these projects, you will need to enable the Show Legacy Formats and Settings in the Toast Preferences.

Overview of Making a Copy

This section describes the basic process of making any copy with Toast.

- 1 At the left side of the Toast window, click Copy and choose the copy format. For example, choose Disc Copy.
- 2 Choose any optional settings.
- 3 Insert the original CD, DVD, or Blu-ray disc into your recorder or drag and drop image files into the Content Area.
- 4 Click the red Record button, choose a recorder from the list, and configure recording options, such as Number of Copies. Click Record to continue.
- 5 When prompted, insert a blank, recordable disc of the same type as the source disc.

Toast displays a progress bar and status information as it copies your disc.

Copying a Disc

You can make a copy of non-protected data, audio and video CDs, DVDs, and Blu-ray discs.

To copy a CD, DVD, or Blu-ray disc:

- 1 At the left side of the Toast window, click Copy and choose Disc Copy.
- 2 Choose any optional settings:
 - **CD-TEXT:** If your original is an audio CD, you can automatically retrieve album information and add CD-TEXT to the copy. To view this information, you will need an audio CD player that supports CD-TEXT.
 - **Fit-to-DVD video compression:** If your original is a DVD-Video that is too large to fit onto a standard 4.7 GB recordable DVD, selecting this option will compress it to fit on the copy. See *Changing Copy Options* on page 114.
 - **Disc Restore:** When enabled, this helps copy discs that are unreadable due to scratches or other damages. Files from these damaged discs may be recovered during copying, and recovery information will be provided after copying is done.



Note Not all discs can be restored—some are too damaged to be read by Toast, even with this option enabled.

- 3 Insert the original disc into your recorder.
- 4 If you have multiple optical drives on your computer, you can copy from one drive to the other. Click the pop-up to choose which drive to Read From and insert the original disc into that drive.
- 5 Click the red Record button, choose a recorder from the list, and configure recording options, such as Number of Copies.
- 6 Click Record to continue.

- 7 When prompted, insert a blank, recordable disc of the same type as the source disc.

Toast displays a progress bar and status information as it copies your disc.

If you only have one drive on your computer, Toast will copy all the contents of the original to a temporary file on your hard disk and then write it to the blank disc. The temporary file is deleted automatically when the copy is complete. You may need up to 15 GB of temporary free hard disk space depending on the type of disc you are copying.



Note If you copy a multi-session data CD, Toast will only copy the first session.

Copying a Disc Image File

You can copy a disc image file to CD, DVD, or Blu-ray disc. Toast supports many popular disc image file formats, including, but not limited to, .toast, .dmg, .img, .iso, .bin/.cue, .cdr, .sd2, and other third-party formats.

To copy a disc image file to a CD, DVD, or Blu-ray Disc:

- 1 At the left side of the Toast window, click Copy and choose Image File.
- 2 Choose any optional settings:
 - **Fit-to-DVD video compression:** If your original is a DVD-Video image that is too large to fit onto a standard 4.7 GB recordable DVD, selecting this option will compress it to fit on the copy. See *Changing Copy Options* on page 114.
- 3 Add a disc image file by dragging it from your hard disk into the Content Area or by clicking Select.
- 4 Insert a blank, recordable disc.
- 5 Click the red Record button, choose a recorder from the list, and configure recording options, such as Number of Copies.
- 6 Click Record to continue.

Toast displays a progress bar and status information as it copies your disc.

Merging Disc Images

Disc Image Merge is useful for software developers who need to produce cross-platform Mac & PC discs with unique content for each platform, and who are producing unique images on each platform. You can create your Mac disc image using Toast, and you can create your PC disc image with popular PC software, such as Roxio Creator® 2009.

- 1 At the left side of the Toast window, click Copy and choose Image File.
- 2 Select the Mac and PC disc images to be merged into a new disc:
 - To select the Mac disc image, click on the Select Mac Image button
 - To select the PC disc image, click on the Select ISO Image button.
- 3 Click the red Record button, choose a recorder from the list, and configure recording options, such as Number of Copies.
- 4 Click Record to continue.

Converting Audio and Video



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Why convert audio and video?

Audio and video files are available in a wide variety of formats. While your computer may support a wide variety of these formats, other devices and portable video players may only support a limited number. Toast will help you convert audio and video while optimizing them for playback on a broad selection of portable devices including the iPod.

Toast offers wide range of conversions:

- **DVD-Video Disc:** This project type allows you to take an unprotected DVD-Video disc and convert the video to another format for use with a portable device. You will have the opportunity to select individual movies and extras as well as select the audio language.
- **DVD Image File:** This project type allows you to convert a DVD-Video image file to another video format for use with a portable device. You will have the opportunity to select individual movies and extras as well as select the audio language.
- **VIDEO_TS Folders:** This project type allows you to take one or more VIDEO_TS folders and convert them to another video format for use with a portable device. You will have the opportunity to select individual movies and extras as well as select the audio language.
- **Video Files:** This project type allows you to add any supported video files to the content area and convert them to the format or for playback on the device of your choice.
- **Audio Files:** This project type allows you to add any supported audio files, including audio captured by CD Spin Doctor, to the content area, and convert them to the format for playback on the device of your choice.

Converting DVD-Video Content

This section describes the basic process of converting a DVD-Video disc to another video format with Toast.

To convert a DVD-Video disc:

- 1 On the left side of the Toast window, click Convert and choose the disc format. For example, choose DVD-Video Disc.
- 2 Select your source DVD-Video disc in the pull down menu or drag your VIDEO_TS Folder in to the content area. A summary of the information that will be copied appears in the content area.
- 3 Click Options to select which individual movies, extras, and audio languages which will be converted. See *Changing Copy Options* on page 128 for more information.
- 4 Click the red Record button.
- 5 Choose your video output format or the device for which video should be optimized.
- 6 Select a video quality level.
- 7 Choose a location such as a folder on your hard disk or send the video directly to iTunes.
- 8 Click Export to continue.



Note By clicking on the Preview button before beginning your export, in just a few seconds you can see how your video will look at the selected quality level. This saves you the time of having to finish the conversion before deciding you need to adjust the quality level.

Changing Copy Options

Copy options allow you to choose which movies, extras, and languages will be included when converting video content. When converting video, the video file which is created can only have one audio language. By default this is the same language that you hear when you playback the DVD-Video source.

To change copy options:

- 1 Click the Options button
 - 2 Select the Video pull down and choose the video to include:
 - **All:** Select to copy all movies and extras
 - **Main:** Select to include only the single longest-running titles
 - **Custom:** Select to choose the specific videos to be included.
-



Note When converting video for a portable device, no DVD menus will be preserved.

- 3 Select the Audio pull down and choose the audio to include:
 - **Main:** Select to use the default audio track or language.
 - Other available languages and audio tracks will be selectable.
-



Note If you set the Video option to Custom, the Audio pop-up does not appear. Instead, you can select audio and language options for each individual video.

Converting Video Files

Toast can convert video files to a variety of different types and export them to your hard disk.

To export video:

- 1 At the left side of the Toast window, click Convert and choose Video Files.
- 2 Add video files to the project by dragging and dropping them into the Content Area from your hard disk or the Media Browser.

Note You can add content from your high-definition (AVCHD) camcorder by choosing AVCHD Camcorder from the Media Browser

- 3 Click the red Record button
- 4 Choose the playback device of your choice or a conversion format.
Some of the options available include:
 - **DV:** Creates a standard definition DV file that can be used with iDVD and iMovie.
 - **DV 16:9:** Creates a widescreen DV file that can be imported into iMovie HD, Final Cut Pro or Express.
 - **HDV 720p:** Creates a high definition DV file for use in iMovie HD, or Final Cut HD projects. Recommended if your content is HD 720p.
 - **HDV 1080i:** Creates a high definition DV file for use in iMovie HD, or Final Cut HD projects. Recommended if your content is HD 1080i.
 - **QuickTime Movie:** Offers full access to all possible QuickTime codecs, selected from the Options... button.

- **MPEG-4:** Creates an MPEG-4 file using Apple's MPEG-4 codec. Recommended for converting to lower resolutions and for streaming applications.
 - **H.264:** Creates an H.264 (also known as MPEG-4 Advanced Video codec or AVC) file using Apple's H.264 codec, offering high quality at lower bitrates.
 - **3G:** Creates an MPEG-4 file using Apple's 3GPP codec. Recommended for playback on portable and handheld devices such as mobile phones.
 - **iPod:** Creates an MPEG-4 or H.264 file for use with your iPod.
 - **iPhone / iPod Touch:** Creates an H.264 file using Apple's H.264 codec, offering high quality at lower bitrates.
 - **Apple TV:** Creates an H.264 file using Apple's H.264 for use with your Apple TV.
 - **For PSP:** Creates an MPEG-4 file formatted for playback on the PSP (PlayStation Portable).
 - **For iTunes:** Extracts the audio portion of the video and creates an M4A audio file for use in iTunes.
 - **Ogg Vorbis:** Extracts the audio portion of the video and creates an OGG audio file.
- 5 Choose a your quality settings and export location such as a folder on your hard disk or iTunes.
 - 6 Click Export.

Pause and Resume Video Conversion

Converting video can be a very time consuming process, depending on the format and length of the video as well as the speed of your computer. Some machines may become sluggish when the CPU is being fully utilized to convert your video. Encoding can be paused at any time to free up the CPU for other tasks and then resumed later. When encoding is paused, you can run other applications or even switch to another user account as long as

Toast remains open. If you close the Toast application, even when video encoding is paused, you must restart the process from the beginning.

You can also Pause and Resume video encoding for disc based projects such as creating a DVD-Video or Blu-ray Disc™. Once these projects have finished the video encoding phase and burning to disc has begun, the Pause and Resume option becomes unavailable. You can not pause the burn process.

To pause or resume video conversion:

- 1 Click the Pause button in the video conversion progress dialog to pause encoding.
- 2 When you're ready to continue, click the Resume button.

Converting Audio Files

Toast can convert audio files to a variety of different formats and export the converted file to your hard disk.

To export audio:

- 1 At the left side of the Toast window, click Convert and choose Audio Files.
- 2 Add audio files to the project by dragging and dropping them into the Content Area from your hard disk or the Media Browser.
- 3 Add any audio effects of crossfade effects you like would applied to your audio export.
- 4 Click the red Record button.
- 5 Choose one of the available conversion formats:
 - **AIFF:** Creates a full quality uncompressed audio file for use on a Mac.
 - **WAV:** Creates a full quality uncompressed audio file for use on a PC.
 - **OGG:** Creates a high quality compressed audio file, similar to MP3. Your player will need Ogg Vorbis support. iTunes does not support Ogg Vorbis.

- **FLAC:** Creates a full quality compressed audio file. Your player will need FLAC support. iTunes does not support FLAC.
 - **AAC:** Creates a high quality compressed audio file supported by iTunes.
- 6 Select a destination for your converted audio.
 - 7 Click Save and your audio will be converted.
Toast displays a progress bar and status information as it exports the audio.

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