Ulead® Burn.Now™

User Guide
InterVideo Digital Technology Corporation
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Ulead® Burn.Now® 4.5

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North & South America
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Welcome to Ulead Burn.Now

Ulead Burn.Now is an easy-to-use burning tool versatile enough to handle a wide range of recording tasks and storage media. All you really need to decide is what kind of discs you want to use, and what you want to burn on them. Fully compatible with Microsoft Vista, Burn.Now allows you to burn files and projects to CDs, DVDs, BDs, and HD-DVDs. You can also perform multi-session burning of dual-layer DVD-R using Layer-Jump Recording technology.

Things you can do in Burn.Now

Write to BD (Blu-ray Disc) and HD DVD (High Density Digital Versatile Disc)

Burn data to the next-generation BD and HD DVD formats. A single-layer BD can hold up to 25 GB of video and other data types while its dual-layer counterpart can store up to 50 GB. HD DVD has a single-layer capacity of 15 GB and a dual-layer capacity of 30 GB. There is also a triple-layer disc which offers 45 GB of storage.

Create and edit a data disc

Store a collection of all types of files onto a disc. Burn.Now supports both ISO and UDF file systems, including UDF 2.6 for writing data to discs. If you are working with rewritable and appendable discs, whether CD, DVD, BD, or HD DVD, Burn.Now enables you to edit the contents of discs that have already been burned. There is no need to wipe the whole disc and start over, if you only wish to remove or add files, or simply to reorganize your folders and files.

Create and edit a secured data disc

Create a password-protected data disc to safeguard files against unauthorized access. Burn.Now encrypts data on-the-fly as you burn your disc. You do not have to go through the process of saving and encrypting your files first before burning. Secured data discs can then be executed on any PC without having to install additional software.

Create and edit an MP3 disc

Collect MP3 files and compile them into an MP3 disc. MP3 is a very popular format because of its relatively small file size. It is primarily played back on personal computers and some set-top players that support it. Burn.Now also lets you edit appendable MP3 discs.

> **Note:** If an MP3 disc is not DVD+/-RW, a new data session is created after editing. This new session may not be readable on some MP3 players that reads the first session only.

Create an audio disc

Collect all types of sound files and create audio discs in various formats. You can output in Audio CD, DVD-Audio, Music DVD-Video, and CD Extra. With CD Extra, you can include both audio and data on your audio disc. You can use this technology to combine music with artist profiles, lyrics, interviews, and other related materials.

Create a DivX disc

Create your own DivX discs by directly burning supported DivX files. You can burn them onto CD, DVD, BD, or HD DVD discs and play them on computers and players that support DivX.

Create a bootable disc

If you are using the ISO 9660 or ISO 9660 + Joliet file system, you can create bootable discs that contain all the necessary operating system files for your computer to start up without having to access the hard disk.

Copy discs directly

Burn an exact replica of a disc straight to another disc without requiring any step in between. This is a speedy method that has the further advantage of not requiring a large amount of space on your computer if you copy on-the-fly.

Copy movies directly

Burn an existing VIDEO_TS folder directly to a disc. The VIDEO_TS folder (Video Title Set) contains all the unencrypted files of the original DVD video. These are VOB (Video Object) files which contain the video and audio of the movie and the IFO (Information) files which contain the menu navigation information.

If a movie is not copyright protected, you can copy it entirely including menus and other features.

Burn from disc image

Create and burn disc image files. This takes a little longer, but is more stable and allows you the flexibility of creating the image file on one occasion, and burning at a later date. It is also more convenient for burning multiple copies and for backup purposes.

Use various disc tools

Burn.Now offers various disc tools. When using rewritable discs, you can erase the entire contents to start from scratch. You can also format and certify the discs with the UDF file system.

Basics

Burn.Now has a simple, straightforward user interface that frees you from the task of configuring complex settings. All you need to do is choose the type of disc to create, compile, and then burn the disc. This section introduces you to the Burn.Now interface.

Running the program

Use any of the methods below to start Burn.Now:

- Use the **DVD MovieFactory launcher** and select a task (when it is associated with Burn.Now).
- Open an existing Burn.Now project file with .ubn extension.
- Click **Start: Programs** and select **Ulead DVD MovieFactory 6.0 - Ulead Burn.Now 4.5**.

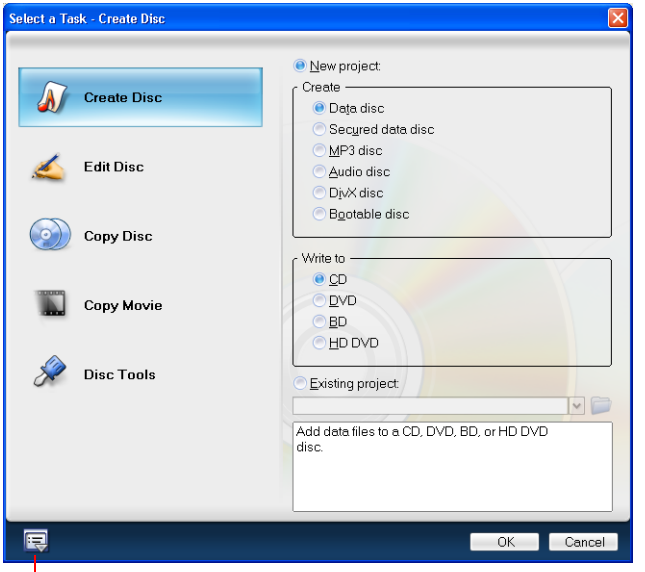
Using Burn.Now project files

To open a previously saved Burn.Now project file, either double-click the .ubn file, select it from **Existing project** in the **Select a Task - Create Disc** dialog box, or select **Disc: Open** on the **Menu Bar**. Make sure that the files associated with the project is not moved or deleted to avoid lost file links.

The user interface: an overview

Select a Task dialog box

The easiest way to make sure you are heading in the right direction when compiling a new disc is by beginning with the **Select a Task** dialog box. This is displayed each time you launch Burn.Now.

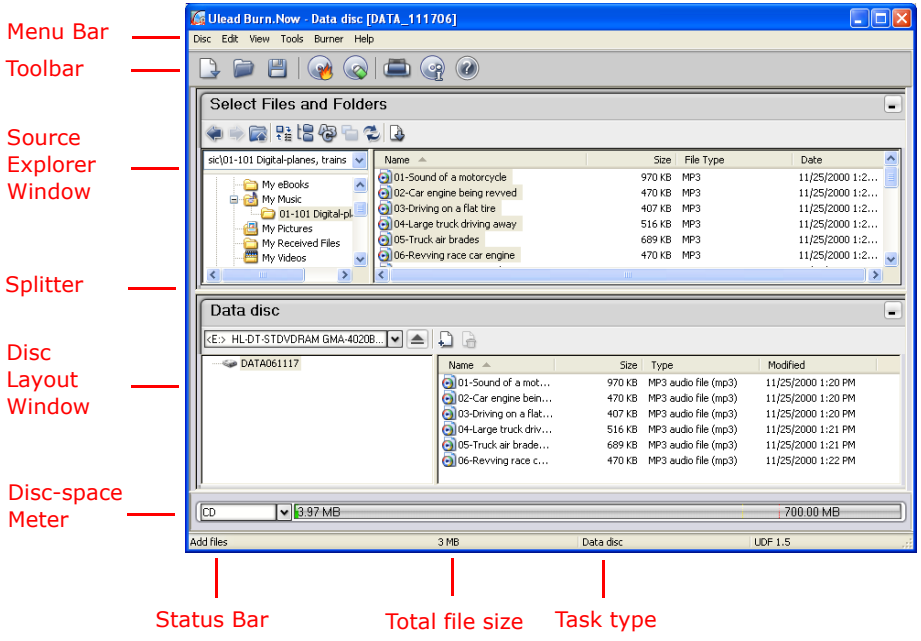


The **Select a Task** dialog box displays the five available tasks on the left side. When a task is selected, all the options available for that task are displayed on the right. A brief description of the selected option is displayed in the lower half of the **Options Panel**.

> **Note:** If you click **Cancel**, Burn.Now will be closed.

Main Window

The **Main Window** is where you add and organize the data to burn to disc. It is composed of six parts: the **Menu Bar, Toolbar**, **Source Explorer Window**, **Disc Layout Window**, **Disc-space Meter**, and **Status Bar**.



Menus and Toolbar

The **Menu Bar** comprises the general functionalities for Burn.Now, from creating a new project to finding product updates. See "Appendix A: Menus and commands" for more details.

The **Toolbar** enables you to access the most commonly used functions easily. The buttons on the **Toolbar** are available through the menus, and some are also available through the context menu in the Main Window. The options vary depending on the selected task. You can also open **Label@Once** by clicking to print disc labels based on the current project.

Source Explorer Window and Disc Layout Window

The **Source Explorer Window** is similar to Microsoft Windows Explorer. The left pane displays the folders and disk drives available while the right pane displays the files and folders inside the currently selected folder or disk drive. The toolbar at the top contains commonly used commands. You can also right-click at the left and right panes to display other useful commands.

The **Disc Layout Window** displays the files and folders to be burned to disc. The panel will appear different depending on the task chosen. When creating data and MP3 discs, the panel displays files and folders similar to the **Source Explorer Window**. For audio tasks, the panel displays track information such as title and duration.

Except for creating a bootable disc, most disc burning tasks require you to first include the files from the **Source Explorer Window** to the **Disc Layout Window**. Use any of the methods below:

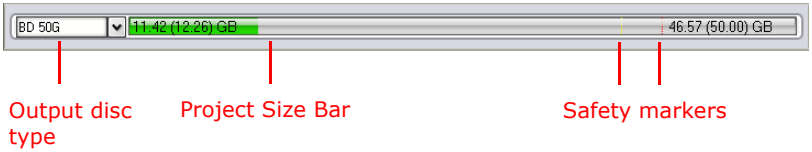
- Drag the files or folders from the **Source Explorer Window** to the **Disc Layout Window**.
- Select the files or folders and click .
- Click **Add files** .

> **Notes:**
> - You can select multiple files by holding **[Shift]** or **[Ctrl]** as you would in Windows Explorer.
> - The size of both panels can be adjusted by dragging the **Splitter**. Also, you can click at the upper right to expand or to shrink them.

Disc-space Meter

The **Disc-space Meter** indicates how much space will be occupied on the target disc. A progress bar starting from the left side indicates the amount of space to be occupied on the disc; or the total duration of tracks when compiling an audio CD. The progress bar extends to the right as more data are added.

Safety markers (colored dotted lines) on the right running vertically down the meter indicate capacity limits. The yellow marker indicates the recommended maximum capacity, while the red one indicates the absolute maximum limit. Increasing the quantity of data beyond the yellow marker is risky, if there is only one disc available for burning all the files selected.



Note: You can change the selected disc type anytime using **Output disc type** (not available for audio CD.)

If the total file size exceeds the current disc's capacity and you have enough discs for burning, **Span Disc** (available depending on the Burn.Now version you purchased) will automatically help you burn all files onto several discs. For details, see "Span disc". In such a case, the **Disc-space Meter** automatically shifts to spanning mode and displays the estimated number of discs required as you add your files.

Disc-space Meter in spanning mode

Setting preferences

Click in the **Select a Task** dialog box, select **Disc: Preferences** in the program window, or press **[F6]** to open the **Preferences** dialog box and specify settings for various tasks.

General

By default, Burn.Now automatically ejects the disc after burning is complete. To disable auto-eject, select **Don't eject disc after burning**.

> **Note:** Some burners do not refresh the disc contents after writing, and thus, the new disc contents may not be read properly by other applications. Such burners have to be forced to do a refresh by ejecting and closing the disc tray.

Also, you can use **Check Ulead Web site every XX days** to specify how frequently the program checks the Ulead Web site for news and updates.

Audio gap on audio CD determines the length of the silent gap in between tracks when making an audio CD. The value can be changed from 0 to 10 seconds. The default value uses the industry standard of 2 seconds. (See "Audio gap" for more details).

Working folder is the temporary folder used by Burn.Now for placing temporary files. You can change the default folder by entering the path name on the text box or by clicking . **Available space** shows the available and maximum disk space in the working folder.

CD Info

Select **Get CD-Text info from audio CD** to extract disc and track information embedded on an audio CD that you copy. These are album titles, artist names, track titles, and other information.

Burn.Now is also freedb-aware, letting you access freedb.org for free online music information, like artists, track lists, and others. When **Get CD info from the freedb database on the Internet** is selected, using **Rip CD audio** lets you add additional information taken from freedb.org.

> **Note:** Some Internet connections may require a proxy server. Check with your Internet Service Provider for proper settings if needed.

If you have already configured your Web browser to use a proxy, select **Use Internet connection proxy settings**. Select **No proxy** if you do not want to use a proxy, even if one is already configured for your Web browser. To enter new proxy settings, select **User-defined**.

Edit Disc

Under **Synchronization settings**, select **Refresh compilation automatically** to synchronize recorded files and folders with their original location on your hard disk. This applies everytime you insert a data disc created by Burn.Now. Select options for replacing files, removing them from, or adding them to your compilation.

> **Note:** Synchronization of data is possible only with discs that were created with synchronization info in Burn.Now. For more details, see "Burn with synchronization info".

Choosing a disc burner

When creating discs, you can specify the physical burner drive with which to burn the disc by selecting **Burner: Select Burner**. This opens the **Select Burner** dialog box where you can choose your physical burner. Click **Advanced** to view your burner's read and write capabilities.

However, instead of directly recording to a burner, **Select Burner** also provides an alternative method. When compiling a new disc, it is not necessary to burn it immediately to a disc. Instead, you can select **Disc image file** and save your compilation as a disc image file to be burnt to disc later. See "Creating a disc image file" and "Burning a disc from a disc image file" for details.

> **Notes:**
>
> - You can also select the burner at the **Disc Layout Window** toolbar.
> - Burn.Now can create ISO 9660 and UDF/ISO 9660 disc image files only. For UDF 1.5 file system or above, the program can only directly burn to disc. (See "Choosing a file system" for more information on file systems.)

Choosing a file system

When creating a new disc, you need to select an appropriate file system that will make the disc readable on the device or operating system where the disc will be viewed or played. Choose the file system in the **Burning Options** dialog box before burning the disc. (Click **Burn disc** on the **Toolbar**.) The file systems that are available include:

- **ISO 9660**

  ISO 9660 is a cross-platform file system that is readable on Windows operating systems that include Vista, Macintosh, and Unix. When you create an ISO 9660 disc with **Joliet** extensions, names of files/folders burned onto discs can have up to 64 characters in length.

  Burn.Now allows ISO 9660 to be used as the file system for data and MP3 discs.

- **UDF 1.5, 2.0 and 2.01**

  UDF (Universal Disc Format) is a file system developed by OSTA (Optical Storage Technology Association). There are various UDF versions. UDF 1.5 (readable on Windows 2000 and above) and higher versions (readable on Windows Vista and above) support random packet writing and allows over 4 GB of data to be burnt onto a DVD disc. (See "Appendix B: Glossary" for information on random packet writing.)

- **UDF 2.5**

  UDF 2.5 file system provides the **Mirror UDF metadata** option storing 2 copies of your data structure in physically separated areas on a disc. This enhances the integrity of the file system data on a disc.

- **UDF 2.6**

  UDF 2.6 file system supports the Pseudo OverWrite (POW) mechanism for recording on write-once discs and drives such as BD-R (Blu-Ray Disc-Write Once). The POW mechanism allows write-once media to function like a rewritable disc. This file system also increases compatibility between consumer electronics video recorders and computer systems.

- **UDF/ISO 9660**

  UDF file system/ISO 9660 (also known as UDF Bridge) is a combination of two file systems: UDF 1.02 and ISO 9660. Discs burned with this file system can be read by Macintosh and Windows.

Creating a Data Disc

A data disc is a disc that contains computer files. Computer files can include a wide variety of data including word-processed documents, spreadsheets, multimedia files including music, video clips, images, and more. Discs are extremely convenient for storing data as they can hold large quantities. CDs can hold up to 700MB of data, while DVDs, BDs and HD DVDs can hold gigabytes of data. Since recordable/rewritable discs are relatively inexpensive, they are quick and convenient way of backing up computer systems. As an added bonus, their compactness allows for easy storage and transportation.

Burn.Now streamlines the process of putting together a data disc, taking care of all the complicated decisions for you. All you need to do is decide the kind of disc to use and what data to write onto your disc.

To create a data disc:

1. In the **Select a Task** dialog box, select **Create Disc** and then select **Data disc**.
2. Select the disc type (CD, DVD, BD, or HD DVD), and then click **OK**. This opens the main window.
3. Choose **Burner: Select Burner** to select whether to burn to a physical disc burner or create a disc image file.
4. Select the folders and files from the **Source Explorer Window** and add them to the **Disc Layout Window** using any of the methods mentioned at "Source Explorer Window and Disc Layout Window".
5. .When you are ready to burn the data disc, click **Burn disc** on the **Toolbar**.

> **Note:** You can also click to save your project for future use.

Compiling a data disc

The **Main Window** is where you compile and organize folders and files to burn to a data disc.

To compile a data disc:

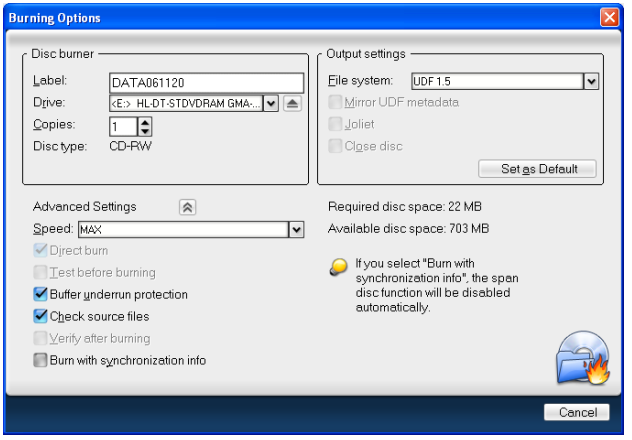
1. Add the files and folders to burn from the **Source Explorer Window** to the **Disc Layout Window** using any of the methods mentioned at "Source Explorer Window and Disc Layout Window".
2. To reorganize data, click any file or folder in either pane of the **Disc Layout Window**, and drag it to its new location, up or down the folder structure in the left pane, or directly across to a different folder from the left pane to the right.
3. To create a new folder, right-click in the right pane then select **New Folder** from the context menu.

4. To rename a selected folder or file, right-click the file or folder and select **Rename**. The selected folder/file name will be highlighted and show a flashing cursor, and a new name can be entered.

5. To delete any file or folder, select it then click **Delete** on the **Toolbar**. Select **Disc: Revert** to reset all settings of an open project to its previous saved state.

Burning a data disc

1. Click **Burn disc** on the **Toolbar**. The **Burning Options** dialog box will be displayed.



Burning Options dialog box (Data Disc)

2. Under **Disc Burner**, you can rename the disc label, select a burner or create a disc image file, and set the number of copies to burn. When renaming the disc label, you can use up to 16 characters.

> **Note:** If ISO 9660 is selected as the file system, the Joliet option will be available. Joliet is an industry standard extension of ISO 9660 which supports Unicode in file names and permits extended file names of up to 64 characters in length, including spaces.

3. Under **File system**, select a file system that is appropriate for the device or operating system where the disc will be used. See "Choosing a file system". Closing a disc prevents additional data to be written onto the disc after the burning process is finished.

4. Click **Advanced Settings** to select other burning options. For details, see "Disc burning options".

5. Click **Burn** to start the burning process.

Creating a secured data disc

A secured data disc is a password protected disc that protects your files from unauthorized access. Burn.Now allows you to create a secured data disc by encrypting files while you burn them. This way, you do not have to encrypt and save the files first before burning.

You can run the disc on any PC without installing additional software using **Burn.Now Retriever**. See "Burn.Now Retriever".

To create a secured data disc:

1. In the **Select a Task** dialog box, select **Create Disc** and then select **Secured data disc**.
2. Select the disc type (CD, DVD, BD, or HD DVD), and then click **OK**. This opens the main window.
3. Choose **Burner: Select Burner** to select your burning device.
4. Select the folders and files from the **Source Explorer Window** and add them to the **Disc Layout Window** using any of the methods mentioned at "Source Explorer Window and Disc Layout Window".
5. Click **Set Password** to set the disc password.
6. In the **Encryption - Set Password** dialog box, enter and confirm your password. Remember to use 6 to 64 characters. Click **OK**.

> **Note:** When your password has been set, you will notice that the **Set Password** button is locked . You can change password by clicking this button again.

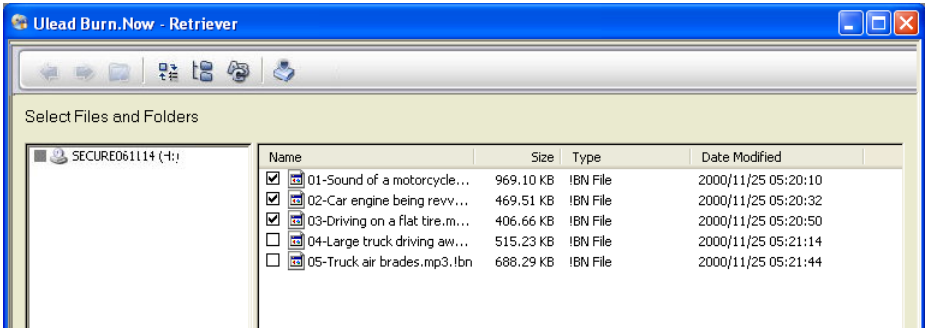
7. When you are ready to burn the data disc, click **Burn disc** on the **Toolbar**. The files are automatically encrypted as they are being written onto the disc.

> **Note:** If you click Burn disc without setting a password, the **Encryption - Set Password** dialog box automatically opens to prompt you to set a password.

Burn.Now Retriever

A secured data disc created in Burn.Now can be accessed on any PC without the need to install Burn.Now or any additional software. You can open your encrypted disc directly in Windows Explorer after providing the correct password when prompted.

You can also run the disc automatically and use **Burn.Now Retriever** to select and copy encrypted files to your local drive.



To copy files from a secured data disc:

1. Run the secured data disc automatically and enter the password in the **Enter Password** dialog box.
2. If the password is correct, the **Retriever** interface opens.
3. Select the files to copy and click **Copy** on the toolbar.
4. Enter or browse for the target location in the **Browse for Folder** dialog box.
5. Click **OK**.

> **Note:** You can click a file, press and hold **[Shift]**, and then click the last file you would like to copy. Then, right-click to select all or unselect.

Creating an MP3 disc

MP3 is a popular audio file format that compresses sound files so that they take up only about 1/10th of their original size. Even though it is highly compressed, its sound quality is not noticeably compromised, except on extremely hi-fidelity sound systems. MP3 is ideal for playback on your computer, and for traveling, since compression enables a large number of MP3 files to be stored on disc for playback on a small portable MP3 player or CD player. (A CD player that supports MP3 playback is required for playing MP3.)

Burn.Now lets you easily collect your favorite MP3 files and burn them to disc.

To create an MP3 disc:

1. In the **Select a Task** dialog box, select **Create Disc** then select **MP3 disc**.
2. Select the disc type (CD, DVD, BD, or HD DVD) and then click **OK**. This opens the main window.
3. Choose **Burner: Select Burner** to select whether to burn directly onto a disc or create a disc image file. (See "Choosing a disc burner".)
4. Collect MP3 files from the **Source Explorer Window** and add them to the **Disc Layout Window**.
5. When you are ready to burn the MP3 disc, click **Burn disc** on the **Toolbar**.

Compiling an MP3 disc

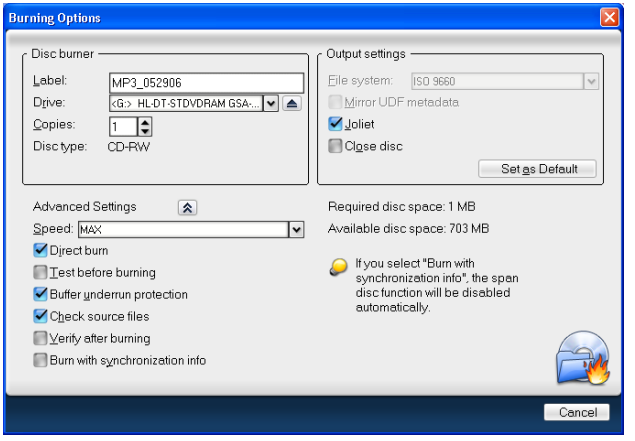
The **Main Window** is where you compile and organize MP3 folders and files to burn onto a disc.

To compile MP3s for your MP3 disc:

1. Add the MP3 files and folders to burn from the **Source Explorer Window** to the **Disc Layout Window** using any of the methods mentioned at "Source Explorer Window and Disc Layout Window".
2. To reorganize data, select any MP3 file or folder in either pane, and drag it to its new location, up or down the folder structure in the left pane, or directly across to a different folder from the left pane to the right.
3. To create a new folder, right-click in the right pane then select **New Folder** from the menu.
4. To rename a selected folder or file, right-click and select **Rename**.
5. To delete any MP3 file or folder, select it then click **Delete** on the **Disc Layout Window** toolbar. Select **Disc: Revert** to reset all settings of an open project to its previous saved state.

Burning an MP3 disc

1. Click **Burn disc** on the **Toolbar**. The **Burning Options** dialog box will be displayed.



Burning Options dialog box (MP3)

2. Under **Disc Burner**, you can rename the disc label, select a burner or create a disc image file, and set the number of copies to burn.

> **Note:** Only the ISO 9660 file system can be used for MP3 discs. To ensure that complete MP3 folder and file names will be retained, you can select the **Joliet** option. Joliet is an industry standard extension of ISO 9660 file system which supports Unicode in file names and permits extended file names of up to 64 characters in length, including spaces.

3. Click **Advanced Settings** to select other burning options. For details, see "Disc burning options".
4. Click **Burn** to start burning the disc.

Creating an audio disc

An audio disc is a disc that holds songs or music. Burn.Now makes the audio disc production process easy for you. Simply compile your audio files, then create your audio disc.

Burn.Now supports the following formats:

Audio CD

Records audio in Compact Disc-Digital Audio (CD-DA) format on CD-R or CD-RW media. A disc may contain up to 99 tracks or songs. Audio CD can be played on any CD or DVD player, such as portable units or the CD-ROM/DVD-ROM drive in your PC.

CD Extra

Also called CD Plus, Enhanced CD, or Enhanced CD-ROM, CD Extra is a format that contains both audio and data. You can play the audio tracks on a CD player or access both audio and data tracks on a CD-ROM drive.

DVD-Audio

Records audio in LPCM stereo (44.1 kHz, 16-bit stereo) on DVD. A DVD disc can contain up to 99 tracks or songs. Audio are saved as .aob files in the AUDIO_TS folder on the DVD.

DVDs burned in this format can be played in DVD-Audio capable players. When you play the DVD, use the player's controls or its remote control to select and playback tracks.

Music DVD-Video (Audio-only DVD-Video)

Records audio in DVD-Video format. A DVD burned in this format is the same as a regular DVD movie disc which can be played on your computer, home or car DVD player, except that the DVD does not contain video content.

Audio can be recorded in MPEG audio, LPCM audio, or Dolby Digital audio (at 48 kHz 16-bit stereo). MPEG audio is a compact high-quality format which is highly recommended for EU DVD players in areas using the PAL TV system.

LPCM provides uncompressed audio quality but with a larger file size, while Dolby Digital offers a lossy audio compression format with a smaller file size. A DVD disc, or each side of a dual-sided DVD, is divided into a maximum of 99 titles, and each title may contain up to 99 tracks or songs. Audio are saved as .vob files in the VIDEO_TS folder on the DVD. When you play the DVD, a playlist selection menu with a still background image will be displayed on-screen where you can select tracks to play.

To create an audio disc:

1. In the **Select a Task** dialog box, select **Create Disc** and then select **Audio disc**.
2. Choose a data format that will allow your disc player to recognize and play the disc. Click **OK**. This opens the main window.
3. Choose **Burner: Select Burner** to decide whether to burn directly to a disc burner or create a disc image file. (See "Disc burning options" for details.)
4. Collect audio files from the **Source Explorer Window** and add them to the **Disc Layout Window**. (See "Compiling an audio disc" for details.)
5. When you are ready to burn the audio disc, click **Burn disc** on the **Toolbar**.

> **Note:** You can also click to save your project for future use.

6. Set burning options as needed, and then click to start burning.

Compiling an audio disc

The **Main Window** is where you assemble and organize the audio tracks you want to burn to disc. The procedure for compiling an audio disc may vary depending on the format that you selected.

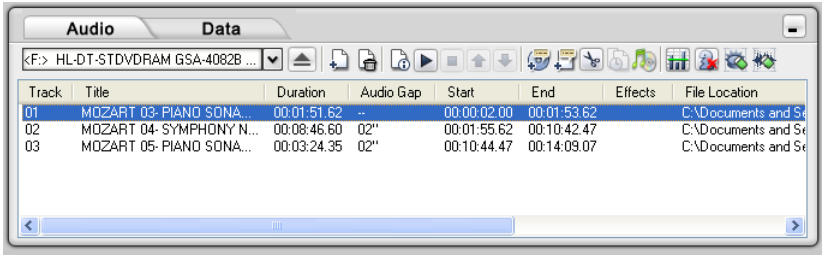
To compile tracks for an audio disc:

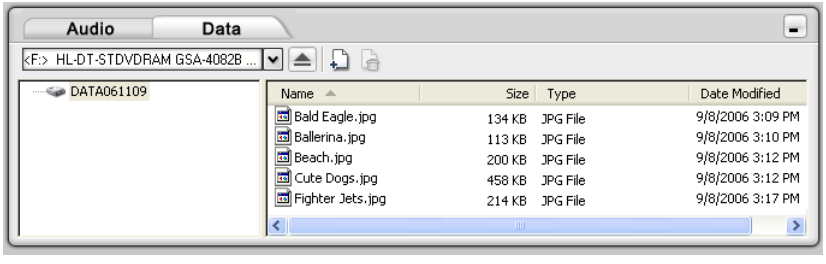
1. Add the audio files and folders to burn from the **Source Explorer Window** to the **Disc Layout Window** using any of the methods mentioned at "Source Explorer Window and Disc Layout Window".
2. To rearrange tracks, select the track(s), then select **Edit: Move Track - Up/Down** or drag the selected tracks to the desired position.
3. To delete a track, select it then click **Delete** on the **Disc Layout Window** toolbar. Select **Disc: Revert** to reset all settings of an open project to its previous saved state.
4. By default, each track has the same name as the audio file. To rename a track, select the track then either click the track title, right-click and select **Rename**, or press **[F2]**.

> **Note:** When adding audio tracks, check the **Disc-space Meter** to ensure that you are not exceeding the capacity of the disc.

Compiling a CD Extra disc

If you chose to create a CD Extra disc in the **Select a Task** dialog box, you will be allowed to add both audio and data files to your disc. To add data/audio files, click **Data**/**Audio** in **Disc Layout Window**. Add the data/audio files to burn from the **Source Explorer Window** to the **Disc Layout Window** using any of the methods mentioned at "Source Explorer Window and Disc Layout Window". Data files will be added as regular files and audio files will be added as tracks.

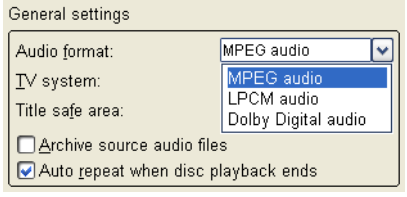




Compiling a Music DVD-Video disc

To compile tracks for a Music DVD-Video disc:

1. If you chose to create a Music DVD-Video formatted disc in the **Select a Task** dialog box, select the audio format for encoding audio on DVD by clicking on the **Disc Layout Window** toolbar. You can select **MPEG audio**, **LPCM audio**, or **Dolby Digital audio**.



2. Add the audio files to burn from the **Source Explorer Window** to the **Disc Layout Window** using any of the methods mentioned at "Source Explorer Window and Disc Layout Window".

> **Note:** You can add video files such as AVI and Windows Media Video. Audio will be extracted from the video files and added as audio tracks to the **Disc Layout Window**. To add Quicktime files, you must first install QuickTime in your computer.

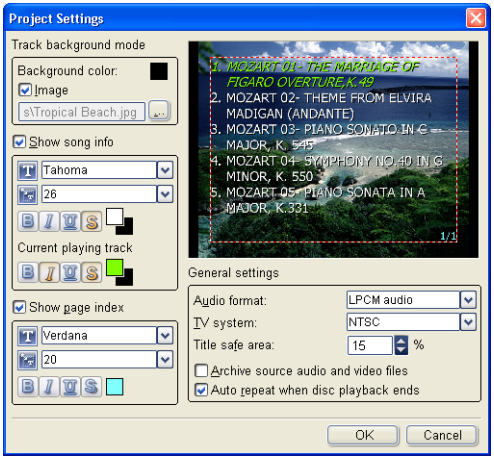
3. Audio files will be added as tracks in the **Disc Layout Window**. To rearrange tracks, select the track(s), then select **Edit: Move Track - Up/Down** or drag the selected tracks to the desired position.

> **Note:** Click **Project settings** to set the background, font, and styles of your tracks and song info. For details, see "Music DVD-Video project settings".

4. To delete a track, select it then click **Delete** on the **Disc Layout Window** toolbar. Select **Disc: Revert** to reset all settings of an open project to its previous saved state.
5. By default, each track has the same name as the audio file. To rename a track, select the track then either click the track title, right-click and select **Rename**, or press **[F2]**.

Music DVD-Video project settings

When creating a Music DVD-Video disc, click on the **Disc Layout Window** toolbar to open the **Project Settings** dialog box. Here is where you can define the environment by which your audience can monitor and switch tracks. Set screen background, font, size, colors, and shadows. You can also set general preferences such as output format and TV safe area.



TV system sets the standard in viewing your video. **NTSC** is generally used in North America and Asia while **PAL/SECAM** is used in most of Europe.

The **TV safe area** defines the boundaries within which your track titles will automatically fit. Parts of the background image that fall outside the margins may be truncated when viewed on a TV screen.

Archive source audio and video files burns the source audio files to an archive folder in the Music DVD-Video disc.

Auto repeat when disc playback ends sets the disc to replay automatically after playback.

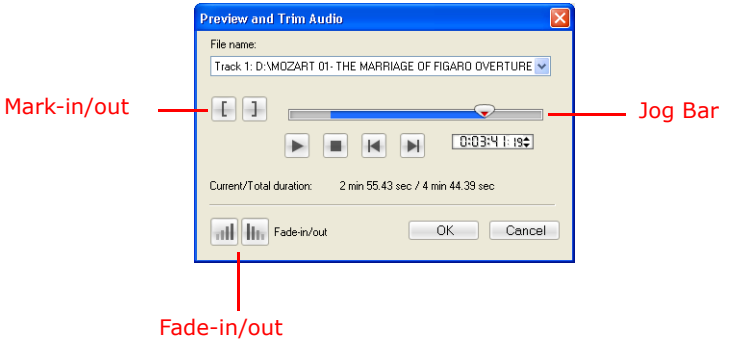
Use the **Preview Window** to view the results. To display tooltips, moved the pointer over the font, size, colors and shadows controls.

Editing audio files

Burn.Now offers various tools that let you edit audio files before burning them to discs. To use them, simply add the audio files to the **Disc Layout Window** and click the tool to use from the toolbar. These tools may vary depending on the format you selected.

Trim audio

Trim audio is used to extract part of an audio track. To do this, select the audio file and click . You can set the part to be extracted by first dragging on the jog bar to the start position and click , then, drag it to the end position and click .



Note: You can also apply fade-in/out effects on the audio track.

Audio gap

Audio gap is the silent area between audio tracks in audio CDs that tells the listeners a new track is about to start. To change the audio gap length, select the audio file(s) and click to enter a value.

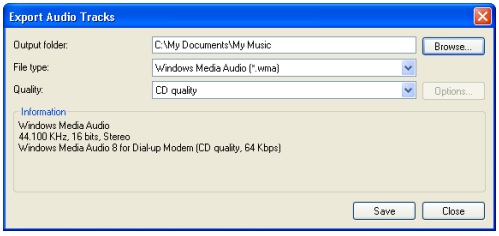
Notes:

- The first audio track uses the industry standard of 2 seconds as audio gap length before the track and cannot be changed.
- You can adjust the default audio gap length at **General: Audio gap on audio CD** in **Preferences**.

Export audio tracks

You can export audio tracks to mu-law (.au), MP3 Audio Files (.mp3), MPEG Audio Files (.mpa), Ogg Vorbis Audio Format (.ogg), Microsoft WAV Files (.wav), and Windows Media Audio (.wma).

To do this, select the audio files and click . The **Export Audio Tracks** dialog box opens to allow you to specify the target location of your exported files, select output format and quality.



Audio effects

Audio effects applies volume level control and removes unwanted elements in your audio file. To add audio effects, select one or multiple audio files in **Disc Layout Window** and click the icon of the audio effect to apply. You can apply multiple effects to your audio files.

Volume Leveling normalizes volume at a fixed level, ranging from 83 (+0) to 95 (+12) db.

Vocal Reduction lowers human voice in your audio file.

Click Reduction diminishes clicking noise in your audio file.

Hiss Reduction diminishes hissing noise in your audio file.

To edit the audio effect, select your audio file, select **Edit: Effects** or right-click your audio file in the **Disc Layout Window** and select **Effects**.

To delete audio effects, select the audio file(s) and click the icon of the audio effects to remove. You can also right-click files and select **Effects: Remove All** to remove all effects on the selected files.

Adding CD-Text (Audio CD only)

The **CD-Text** feature lets you store track and CD information onto an audio CD. To display this information, the disc must be played on a CD player that supports CD-Text features.

When you drag or add .cda files that contain CD-Text from the **Source Explorer Window** to the **Disc Layout Window**, the CD-Text information is automatically included in the disc that you will create.

When you drag or add other audio files to the **Disc Layout Window**, the metadata information from these audio files can be used as CD-Text track info and included on the disc that you will create.

If CD-Text is in another language, select the track and press **[F2]** to edit it directly or you can configure Windows to display the appropriate language. For more information, see "CD and file info".

> **Note:** CD-Text can be written to an audio CD only when the disc is to be closed.

To add track and album information:

1. To add track information, select a track then click **Add CD-Text Track Information** on the **Disc Layout Window** toolbar.

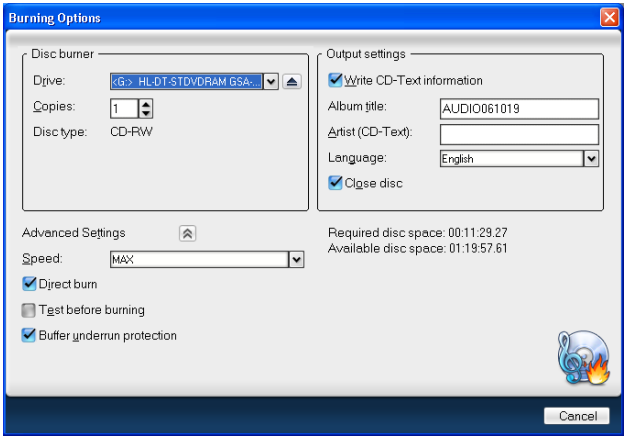
   To add CD information, click **Add CD-Text Album Information** .

2. Enter information as prompted, then click **OK**.

Burning the audio disc

1. To burn an Audio CD, insert a blank CD-R or CD-RW into the burning device.
   To burn a DVD-Audio or Music DVD-Video disc, insert a blank DVD-R, DVD+R, DVD-RW, or DVD+RW.

2. Click **Burn disc** on the **Toolbar**. The **Burning Options** dialog box will be displayed. The available options may vary depending on the format you selected.



Burning Options dialog box (Audio CD)

3. For Audio CD, select **Write CD-Text information** and Close disc if you want to add CD-Text (that is, track and album information) on the disc. (CD-Text cannot be added if the disc is not closed.)

> **Notes:**
> - If the Audio CD is closed, you will not be able to add additional content to the CD at a later stage.
> - DVDs are always closed.

4. In the **Disc burner** area, you can confirm whether to save a disc image file or burn directly onto a disc. (See "Choosing a disc burner".)
   If you are burning directly to a physical burner, the write **Speed** can also be selected. If there is a disc inserted in the burner, the program will check the write speed of the burner and the disc, and by default, choose the highest speed that both can handle.

Notes:

- For details on the other options available in this dialog box, see "Disc burning options".
- Since the audio size to be burned onto DVD is enormous, DVD folders and files will first be created on your hard drive which will then be burned onto the DVD. Before burning a DVD-Audio or Music DVD-Video disc, make sure that your hard drive has available space that is equivalent to, or higher than, the DVD disc capacity. The temporary DVD folders and files will be deleted from your hard drive after burning is complete.

5. Click **Burn** to start the burning process.

Creating a DivX disc

DivX is a popular video codec known for the creation, playback and distribution of high-quality digital video. To create a DivX disc by directly burning DivX files and subtitles, select DivX disc in the Create Disc task and the output disc type. Then follow the steps as you would for making a data disc.

Here are the supported file formats:

- DivX files: *.avi, *.divx, *.div, *.mp4, *.tix
- Subtitle files: *.ass, *.idx, *.smi, *.srt, *.ssa, *.sub

Notes:

- Check if your player supports DivX and subtitle file formats.
- When creating a DivX disc, file conversion and editing are not available.

Creating a bootable disc

Placing a bootable disc in your disc drive automatically loads a boot image and powers-on or reboots your system. Burn.Now creates bootable data discs using the ISO 9660 or ISO 9660 + Joliet file system.

To create a bootable disc:

1. Select **Bootable disc** and the output disc type in the **Select a Task** dialog box. Then click **OK**.
2. In **Select bootable source**, specify the bootable image source. A boot image can come from a floppy disk, a USB flash drive which is not mapped as a hard drive, or a file in your local drive. Make sure that you have your bootable floppy disk, USB flash drive, or other source files ready.
3. Follow the steps as you would for burning a data disc.

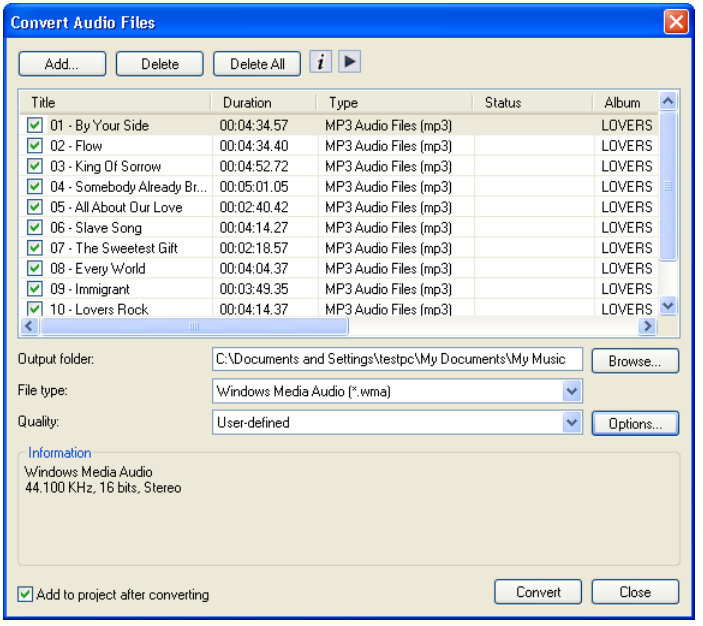
Converting audio files

When creating an audio disc, you can convert audio files to several audio file formats: mu-law (.au), MP3 (.mp3), MPEG Audio (.mpa), OGG Vorbis (.ogg), Microsoft WAV (.wav), and Windows Media Audio (.wma).

> **Note:** Install Apple QuickTime to use the mu-law format.

You can view the metadata information of your source files before you convert them. These information include album title, track artist, genre, and year. These metadata can be copied to your output file when you convert if you select an output format that also supports metadata. Burn.Now has metadata support for .mp3, .ogg, .wav, and .wma file formats.

Convert Audio Files dialog box



Add Adds audio files to the list for conversion.

Delete Removes the selected audio file(s) from the list.

Delete All Deletes all audio file(s) from the list.

File Info Displays CD and file info of selected audio files.

Play Plays back the selected audio file.

Audio file list Displays the audio files to be converted.

Output folder Displays the location of the converted audio files. Click **Browse** to locate a folder where the converted audio files will be saved.

File type Specifies the output format for the converted audio files.

Quality Specifies the output quality of the converted audio files.

Options Opens a dialog box where you can specify additional settings for the selected audio encoding format. This option is enabled when **User-defined** is selected in **Quality**.

Information Displays additional information about the selected encoding format.

Add to project after converting Adds the converted files to your project in Burn.Now.

Convert Converts all selected audio files in the list to the specified audio encoding format.

To convert audio files:

1. Select **Tools: Convert Audio Files** (or click on the **Toolbar**).
2. Click **Add** to browse for the audio files to be converted. Select them and click **Open**.

> **Note:** You can select a file and click the title to rename it. You can also click metadata information to modify them. When you click **Convert**, Burn.Now will write the modified metadata information to the converted files.

3. Click **Browse** to specify the output folder for the converted audio files.
4. Select an audio file format from **File type**.
5. Select the output quality from **Quality**.

> **Note:** Select **User-defined** and click **Options** to specify additional settings for the selected audio encoding format.

6. Keep the checkboxes of the audio files to convert selected and click **Convert** to start the conversion process. Press **[Ctrl]** or **[Shift]** to select or deselect multiple files or checkboxes.

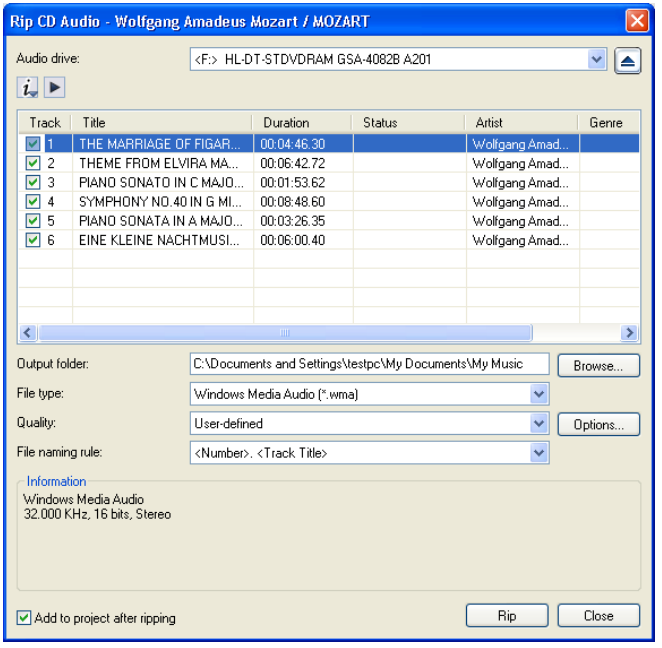
> **Note:** A progress bar under **Status** indicates the conversion status for each file.

Ripping CD audio

The process of copying an audio track from an audio CD is commonly referred to as ripping. When creating an audio disc, you can rip Audio CD files and convert them to file formats compatible with most multimedia software. Supported file types are: mu-law (.au), MP3 (.mp3), MPEG Audio (.mpa), OGG Vorbis (.ogg), Microsoft WAV (.wav), and Windows Media Audio (.wma).

> **Note:** Install Apple QuickTime to use the mu-law format.

Rip CD Audio dialog box



Audio drive Specifies the CD drive which contains the audio CD.

CD and File Info Displays a menu for showing file information or updating CD information either from the audio CD or the Internet.

Play Plays back the selected audio file.

Audio file list Displays the audio tracks to be ripped.

Output folder Displays the location of the ripped audio files. Click **Browse** to locate a folder where the ripped audio files will be saved.

File type Specifies the output format for the ripped audio files.

Quality Specifies the output quality of the ripped audio files.

Options Opens a dialog box where you can specify additional settings for the selected audio encoding format. This option is enabled when **User-defined** is selected in **Quality**.

File naming rule Specifies how the ripped audio files will be named.

Information Displays additional information about the selected encoding format.

Add to project after ripping Adds the ripped files to your project in Burn.Now.

Rip Copies and saves all selected audio files from the list to your output folder.

To rip files from an Audio CD:

1. Insert an Audio CD into your CD-ROM drive.
2. Select **Tools: Rip CD Audio**, or click on the **Toolbar**.
3. In the **Rip CD Audio** dialog box, the track information of all your CD files are displayed. Keep the checkbox(es) of the track(s) that you want to rip selected. Clear the checkbox(es) of the track(s) that you do not want to rip. Press **[Ctrl]** or **[Shift]** to select or deselect multiple files or checkboxes.
4. Browse for the folder where the audio file(s) will be stored.

> **Tip:** You can click to play a selected track or click and select **Show File Info** to view the properties of selected tracks. For details on how to get CD info, see "CD and file info".

> **Note:** You can select a track and click the title to rename it. You can also click metadata information on the list to modify them.

5. Specify the audio encoding format for the audio files in **File type**.
6. Select the output quality from **Quality**.
7. Select how the ripped audio files will be named in **File naming rule**.
8. Click **Rip** to start ripping the audio tracks.

> **Tip:** To add the ripped tracks to the **Disc Layout Window** of your project in Burn.Now, select **after ripping**.

CD and file info

When you insert an audio CD into your disc drive and invoke the **Rip CD Audio** dialog box, you automatically get information about your CD files such as title, duration, artist, genre, and year.

> **Note:** If the metadata language of your audio CD is different from your computer's operating system's language, CD and file information may not be displayed properly. To view these metadata strings properly:
>
> • Switch the code page of your operating system to the audio CD's language by setting options in **Control Panel: Regional Settings**.
>
> • Install unicode tools that will re-map the unicode character sets if you are using Windows XP or Vista.

You can also view other properties of your CD files or acquire additional information by querying an Internet music database.

To do this, click and select any of the following options:

- **Show File Info** Opens the **File Properties** dialog box to display file information such as name, format, size, frame rate, and compression, and other attributes.
- **Update CD Info from CD-Text on Audio CD** Refreshes the CD info from the CD-Text information encoded on the audio CD. An album and its tracks can have separate CD-Text.
- **Update CD Info from Internet** Opens the **Get CD Info from Internet Database** dialog box to allow you to query track info from the **freedb** server. Click **Access** to start the connection then select the information to be included on disc. Click **Select** when done.

freedb.org is an online music database that includes CD artists, track lists, and others. Burn.Now lets you connect to the freedb server to get the information from the online database. For more information on getting CD and file info, see "Setting preferences".

> **Note:** Internet connection is needed to connect to the online database.

Disc burning options

Burn.Now features a number of options to determine how your discs are burnt.

Output settings

Write CD-Text information

Writing CD-Text is allowed if the disc is closed. Enable this option to display artist, title, and language information when your disc is played.

Mirror UDF metadata

Enable this option to record 2 copies of your data structure in physically separated areas on your disc to enhance the readability of your disc.

Joliet

Enable this option to permit extended file names of up to 64 characters in length, including spaces.

Close disc

Closing a disc prevents additional data to be written onto the disc after the burning process is finished.

The following guidelines should be followed when deciding whether to close a disc or leave it open:

- A data disc can be left open. CD-ROM and DVD-ROM drives will be able to read open data discs.
- Leave an MP3 disc open to keep adding more MP3 files. CD-ROM drives, MP3 players and CD players that support MP3 playback will be able to play open MP3 discs.
- If an Audio CD is left open, it can be appended with data files and used as a data disc as well. An Audio CD that contains both audio tracks and data tracks is known as a CD-Extra disc.

  Close an Audio CD when writing CD-Text onto the disc. Closing an Audio CD also makes the disc more compatible with CD players that may not be able to play open discs.

> **Note:** Burn.Now burns a disc in 'Disc-at-Once' mode when you close the disc, and 'Track-at-Once' mode when the disc is left open.

Advanced settings

Direct burn

Direct burn is a quick way of burning discs since it allows data to be written directly onto the disc. When this feature is disabled, a temporary disc image file will first be created on the hard drive before the disc is burnt.

Direct burn must be selected when burning a disc with UDF 1.5 file system or above since Burn.Now does not allow the creation of disc image files with these file systems. You can also select this option if you have a fast computer and burner.

You can clear the Direct burn option when burning a disc with ISO 9660 or UDF/ISO 9660 file system, or if you have a slow computer and faster burner device (with a write speed of higher than 8X) to prevent burning errors.

> **Note:** It is recommended that multiple programs are not running while directly burning to disc, to prevent burning errors and to increase your computer's performance.

Test before burning

Selecting this option simulates the recording process before burning data to disc. This helps in checking if the system speed or CD-ROM/DVD-ROM speed is fast enough to send data to the burner at the specified write speed. However, this doubles the burning time.

> **Note:** If your burning device has buffer underrun protection and this function is enabled, you can clear the **Test before burning** option to save time when burning discs.

Buffer underrun protection

If the burning device has buffer underrun protection capability, this feature is enabled in the **Burning Options** dialog box. Selecting this option ensures an uninterrupted flow of data to minimize the risk of errors in the burning process.

Check source files

This option verifies if each source file exists and is readable before starting the burning process.

Verify after burning

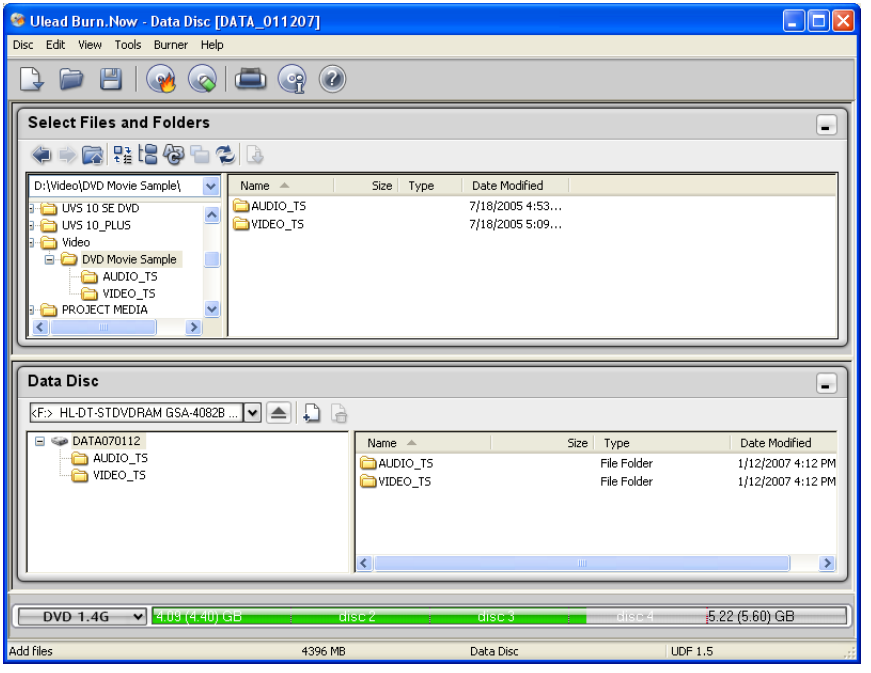
When burning data, MP3, DivX, bootable, DVD-Audio, or Music DVD-Video, discs, you can select this option to have Burn.Now compare the final result with the original data. This will make sure the process is successful.

Burn with synchronization info

When creating a data disc, you can select this option to include synchronization info when burning. The next time you edit the disc in Burn.Now, the recorded files will be automatically compared with the files in the original location on the hard drive, and the disc compilation will be updated based on settings in the **Edit Disc** tab of the **Preferences** dialog box.

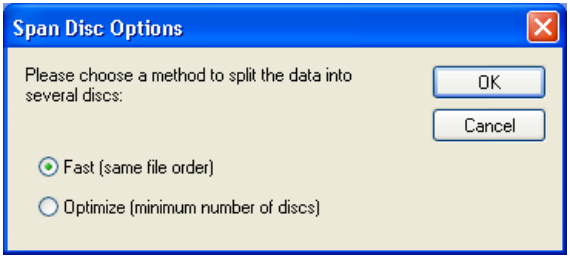
Span disc

When creating a data, MP3, DivX, or bootable disc and the total size of your compilation in **Disc Layout Window** exceeds the capacity of your current disc, Burn.Now can arrange or span your data in two or more discs. As you insert your files, the **Disc-space meter** instantly shows the estimated number of required discs and the amount of space used on each one.



Note: When creating a bootable disc and you need to apply the **Span disc** function, you can choose to make only the first disc that you will burn bootable or all the succeeding discs.

After clicking the **Burn** button in the **Burning Options** dialog box, the program checks your disc and prompts you to confirm if you want to span your data. Clicking **Yes** opens the **Span Disc Options** dialog box for you to select the way your data will be arranged.



- **Fast (same file order)** arranges your files in their originally sequence. Although this method may require more disc space, it is the faster and easier way to burn to multiple discs.
- **Optimize (minimum number of discs)** rearranges your files to save on disc space. Processing time may take longer.

Clicking **OK** continues the disc spanning process.

Tips:

- When burning multiple discs, use discs of the same brand and media type to avoid possible differences in size.
- The Span disc function cannot be applied if **Burn with synchronization info** is selected under **Advanced Settings** in the **Burning Options** dialog box.
- A single large file cannot be spanned into multiple discs.

Editing a disc

Burn.Now harnesses the versatility of rewritable discs by allowing you to edit the contents of a data disc, secured data disc, or an MP3 disc without needing to erase or format them first. You can also add files and folders on appendable discs.

Modifying disc contents

To add and edit data on a disc:

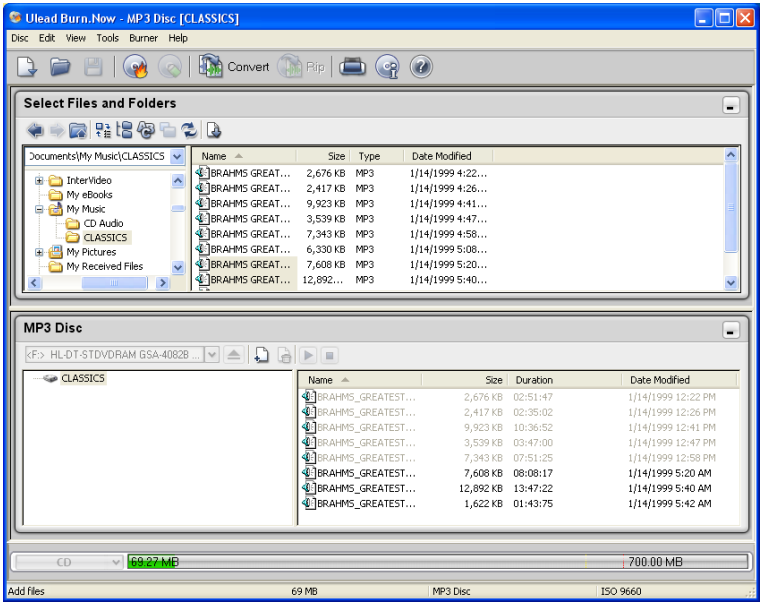
1. Insert the rewritable disc to be edited into the disc burner.
2. In the **Select a Task** dialog box, select **Edit Disc** and then specify the disc burner.

> **Tip:** Detailed information about both the burner and the disc can be viewed by clicking then selecting **Drive Information** and **Disc Information**. respectively.

3. Select the type of disc (Data disc or MP3 disc) to be edited and then click **OK**. The contents of the disc will be displayed in the **Disc Layout Window**.

> **Note:** If **Refresh compilation automatically** is selected in **Preferences**, and the disc was created with synchronization info in Burn.Now, the disc contents will be automatically compared with their original files located on the hard drive.

Existing files and folders will be shown in grayed-out text, but can be moved, deleted, renamed and reorganized in the same way as when compiling a new disc. Once existing files are edited, they are no longer shown as grayed text, but black.



4. To add more files or folders, use any of the methods mentioned at "Source Explorer Window and Disc Layout Window".

   New and modified files and folders are shown in black.

> **Note:** If a file name (or folder name) that you want to add already exists on the disc, you will be prompted to confirm whether or not to overwrite the existing files.

To add and edit data on a specific disc session:

1. Insert a rewritable multi-session disc into the disc burner.
2. In the **Select a Task** dialog box, select **Edit Disc** and then specify the disc burner.
3. Select the type of disc (Data disc or MP3 disc) to be edited and then click **OK**.
4. The contents of the disc will be displayed in the **Disc Layout Window**.
5. Select **Disc: Edit Existing Session**.
6. Select the session to edit in the **Selection Session** dialog box and click **OK** to continue editing.
7. To add more files or folders, use any of the methods mentioned at "Source Explorer Window and Disc Layout Window".

   New and modified files and folders are shown in black.

Burning the edited disc

1. Click **Burn disc** on the **Toolbar**. The **Burning Options** dialog box opens.
2. Under **Disc Burner**, you can rename the disc label, which can have up to 16 characters in length. The file system cannot be changed. The disc will be burned using the existing file system.
3. Click **Advanced Settings** to select other burning options. You can change the write **Speed**. If a disc is already inserted in the burner, the program will check the write speed of the burner and the disc, and by default, will choose the highest speed that both can handle.

> **Notes:**
>
> - If the disc was created in Burn.Now, the **Burn with synchronization info** option under **Advanced Settings** cannot be changed.
> - For details on the other options available in this dialog box, see "Disc burning options".

4. Click **Burn** to start the burning process.

Copying a disc

Burn.Now's **Copy Disc** feature lets you duplicate any type of disc, including VCD, SVCD, DVD, HD DVD, and Blu-ray Disc as long as it is not copy protected. You can make direct disc to disc copies, or copy a disc as a disc image file. You can also duplicate a disc from a disc image file.

> **Note:** DVD-VR/+VR contents will be converted to DVD-Video.

To use the **Copy Disc** feature, select **Copy Disc** in the **Select a Task** dialog box or select **Disc: Copy Disc** on the **Menu Bar**.

Making a disc to disc copy

Burn.Now allows you to copy 'on-the-fly', that is, to directly copy the contents from a source disc to a new disc.

To make a disc to disc copy:

1. Insert the source disc into your CD-ROM or DVD-ROM drive and a blank disc into your disc burner.
2. In the **Select a Task** dialog box, select **Copy Disc**.
3. Under **Source**, select **Disc** then choose your source drive. Under **Destination**, choose your burner drive.

> **Note:** Your disc burner can both be your source drive and destination drive. While copying, Burn.Now will prompt you to insert the source disc and then the blank disc.

4. Click to see more burning options.
5. Set the **Read speed**. If there is a disc inserted in the source CD-ROM/DVD-ROM drive, the program will check the read speed of the drive and the disc, and by default, will choose the highest speed that both can handle.

> **Tip:** When copying audio CDs, choose a low read speed to preserve the audio quality. When copying data discs or other types of discs, choosing a high read speed minimizes buffer underrun errors.

6. Set the **Write speed**. If there is a disc inserted in the burner drive, the program will check the write speed of the burner and the disc, and by default, will choose the highest speed that both can handle.
7. Specify the number of disc **Copies** to burn.

8. Select **On-the-fly** to directly copy from the source disc.
9. Select **Buffer underrun protection** to prevent interruptions in the flow of data from the source disc to the burner and ensure a safe burn.
10. Click **Copy** to start copying.

> **Note:** If you encounter a buffer underrun error even with the **Buffer underrun protection** option selected, choose a lower write speed or clear **On-the-fly** and try copying the disc again. Disabling on-the-fly copying allows a temporary disc image file of the source disc contents to be saved first in the hard drive before burning the disc. This reduces the risk of copying failure.

Creating a disc image file

A disc image file is a single file that has captured the entire contents and file structure of a disc. Creating a disc image file on your hard disk allows you to archive the source disc contents for backup or future burning. You will need sufficient space on your hard disk to store the disc image file.

To create a disc image file:

1. Insert the source disc into your CD-ROM or DVD-ROM drive.
2. In the **Select a Task** dialog box, select **Copy Disc**.
3. Under **Source**, select **Disc** then choose your source drive.
4. Under **Destination**, select **Disc image file**.
5. Click **Copy**. The **Save As** dialog box will be displayed.
6. Select a file format. The file can be saved as an .ixb file which is the Ulead native format and is readable only in Burn.Now. You can also save it as an .iso file which is the industry standard format and is compatible with all burning software.
7. Specify a file name for the disc image file, and click **Save** to create the disc image file.

Burning a disc from a disc image file

If you created a disc image file from a source disc, or if you previously saved a disc image file for a data, MP3, or audio disc created in Burn.Now, you can easily burn multiple disc copies using the image file.

To burn a disc from a disc image file:

1. Insert a blank disc in your disc burner.
2. In the **Select a Task** dialog box, select **Copy Disc**.
3. Under **Source**, select **Disc image file** then click **Browse** to open an image file.
4. Under **Destination**, choose your burner drive.
5. Click **Advanced** to see more burning options.
6. Set the **Write speed**. If there is a disc inserted in the burner drive, the program will check the write speed of the burner and the disc, and by default, will choose the highest speed that both can handle.
7. Specify the number of disc **Copies** to burn.
8. Select **Buffer underrun protection** to prevent interruptions in the flow of data from the hard disk to the burner and ensure a safe burn.
9. Click **Copy** to start the burning process.

Copying a movie

Burn.Now allows you to directly copy movies from your hard disk if they are not copyright protected.

To copy a movie:

1. Insert a blank disc into your disc burner.
2. In the **Select a Task** dialog box, select **Copy Movie**.
3. Under **Source**, browse and select your source folder. You can select the DVD-Video, BDMV, or HD DVD-Video folders from your hard disk drive or from another disc drive.
4. Under **Destination**, choose your burner drive.

> **Note:** Click to see more burning options. See "Making a disc to disc copy" for more information.

5. Click **Copy** to start copying.

> **Note:** You can choose to copy your movie as a disc image file by selecting **Disc image file** under **Destination**.

Handling rewritable discs

Rewritable discs such as CD-RW, DVD-RW, DVD+RW, DVD-RAM, BD-RE, and HD DVD-RW are often used for regular backups, and they can be easily erased or reformatted to be written over again using Burn.Now's **Disc Tools**.

To access the tools, select **Disc Tools** in the **Select a Task** dialog box or select them from the **Disc** menu in the program window.

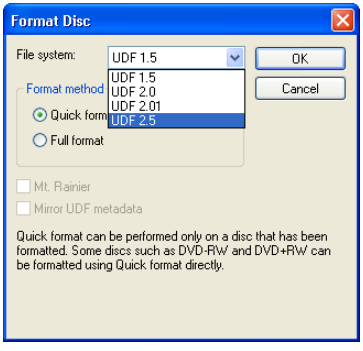
Erase

Erasing a rewritable disc removes the disc contents. There are two ways to erase a disc:

- **Quick erase -** Deletes only the Table of Contents of the disc. The file system, tracks and sectors on the disc are not physically removed. This method simply allows the disc to be overwritten.
- **Full erase -** Deletes all the information, including the file system, tracks and sectors from the disc.

UDF Format

UDF Format writes the UDF (Universal Disc Format) file system to a rewritable disc to enable random packet writing. Random packet writing allows disc space to be used more efficiently when burning data onto the disc. It allows data to be written onto the disc in the same way as the hard disk, freeing disc space as data are deleted, and reusing freed space. A disc can be formatted with UDF 1.5 or above. To format a disc, click **Disc: Format Disc**. There are two options for formatting a disc:



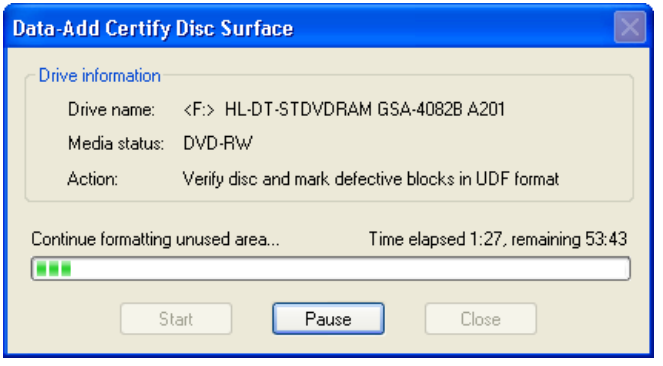
- **Quick format** - Provides a fast way of reformatting CD-RW, DVD+RW, DVD-RW, BD-RE, and HD DVD-RW and discs that have previously been full formatted. It simply removes the file system table from the disc without checking for defects (that is, bad sectors) and writes the selected UDF file system to the disc.

- **Full format** - Completely formats a disc using the selected UDF file system, and writes new tracks and sectors onto the disc. This formatting method takes a longer time to complete, but it makes the disc error-free. Burn.Now supports full formatting of all types of discs.

  If **Full format** is selected or your disc had been fully formatted and you are using the UDF 2.5 file system, you can select the **Mirror UDF metadata** option. This records 2 copies of your data structure in physically separated areas on your disc to enhance the readability of your disc.

UDF Certify

For a UDF formatted DVD-RW and CD-RW, you can apply disc certification to scan the disc and check if there is any problem. The certification process marks bad sectors to improve future writing reliability. On DVD-RW and CD-RW burners that support DRT-DM (Distributed Real-Time Defect Management), the certification process also moves the data in the recoverable defected sectors (DRT-DM Level-1 and Level-2 defects, if any) to healthy sectors for further improvement in data reliability.

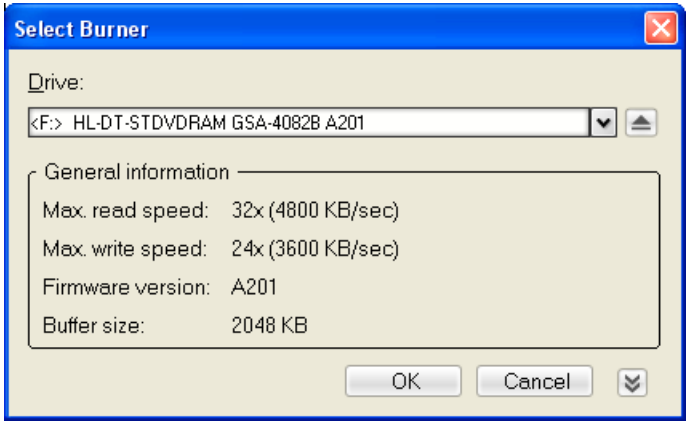


Checking burner and disc information

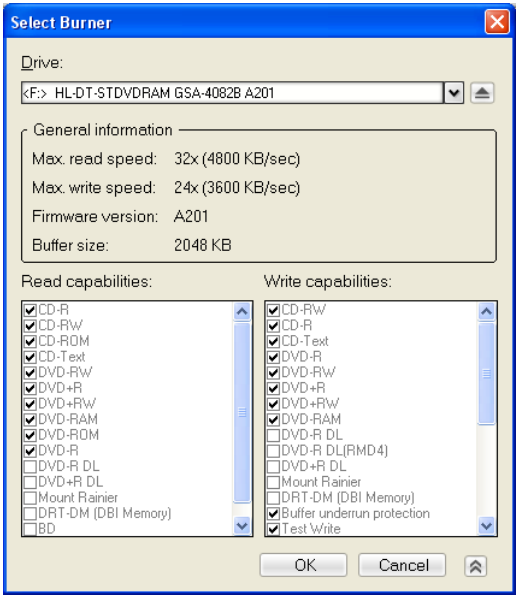
Before burning a disc, check the burner information to find out the capabilities of your burner. It is also recommended that you check disc status and other information before overwriting its contents.

Checking burner capabilities

To find out about the capabilities of your burner, select **Burner: Select Burner** and choose the burner drive. The dialog box will show the read and write speeds of your burner.



Click **Advanced** to see more information about the burner. A list of disc formats and write methods will then be displayed. Items with check marks indicate the disc formats that your burner can read from and write to as well as the different write and error-handling methods that your burner uses when burning a disc.



Note: You can also check burner information in **Edit Disc**, **Copy Disc**, or **Disc Tools**. Click in the **Select a Task** dialog box then select **Drive Information**.

Checking disc properties

Select **Burner: Disc Information** to check how much information has already been written to the disc. The dialog box will show the disc media type, its capacity, and the number of tracks and sessions that have been written onto the disc.

Click **Advanced** to see more information about your disc. Items with check marks indicate the current status of your disc (for instance, whether it is blank or a formatted disc), and the types of operations that can be performed on your disc.

Note: You can also check disc information in **Edit Disc**, **Copy Disc**, or **Disc Tools**. Click in the **Select a Task** dialog box then select **Disc Information**.

Appendix A: Menus and commands

Disc menu

Create Disc	Creates a new data, audio, or MP3 disc.
Edit Disc	Modifies the contents of a disc.
Copy Disc	Copies disc to disc, disc to image file, or image file to disc.
Burn from Disc Image	Creates a disc from a disc image file.
Edit Existing Session	Adds or edits files in a specific session on a disc created in Burn.Now.
Open	Opens a Burn.Now project file.
Save	Stores the current project.
Save As	Stores the project using a specified name.
Revert	Restores current project to its previous saved state.
Burn Disc	Writes information to a disc.
Label@Once	Opens the Label@Once program.
Erase Disc	Removes the contents of a disc.
Format Disc	Formats a rewritable disc with the UDF file system.
Certify Disc	Scans and marks the disc for bad sectors.
Load/Eject Disc	Inserts/removes the current disc into/from the burner.
Preferences	Opens the **Preferences** dialog box.
Recent File	Lists recently opened files.
Exit	Closes Ulead Burn.Now.

Edit menu

Cut	Cuts a selection to the clipboard.
Copy	Copies a selection to the clipboard.
Paste	Pastes a selection from the clipboard.
Delete	Removes selected folders/files.
New Folder	Creates a new folder in **Disc Layout Window**.
Select All	Selects all folders/files.

Edit menu

Select None	Clears all selections.
Invert Selection	Reverses the selection to the unselected folders/files.
Sort by	Arranges folders/files in a specified order.
Move Track	Moves a selected track up or down.
Play	Plays a selected audio file.
Pause	Pauses playback.
Stop	Stops playback.
Effects	Applies volume level control and removes unwanted elements in your audio file.

View menu

Toolbar	Shows or hides the **Toolbar**.
Disc-space Meter	Shows or hides the **Disc-space Meter**.
Status Bar	Shows or hides the **Status Bar**.

Tools menu

Convert Audio Files	Opens a dialog box where you can change an audio file's format and then save it as another file.
Rip CD Audio	Opens a dialog box where you can copy files from an audio CD and then store them in your hard drive.
Find	Finds a file in your computer.
Add Files	Adds files to the **Disc Layout Window**.

Burner menu

Select Burner	Selects the disc burner.
Disc Information	Displays disc status and other information.

Appendix B: Glossary

Blu-ray Disc (BD)
A next-generation disc format to record, rewrite, and playback high-definition video (HD). The format is also likely to become a standard for PC data storage and high-definition movies in the future.

Bootable disc
A disc containing a bootable image that the user can use to start a computer.

CD Extra
A standard that allows you to record both audio and data tracks on a single disc. The audio track can be played on a standard audio CD player and also on a computer CD-ROM drive that offers access to videos, games, databases, etc.

CD-Text
Disc and track-related information on Audio CDs. CD-Text can only be read and displayed by CD-ROM drives and CD players that support the feature.

Disc-At-Once
A writing mode that allows data to be written continuously on the disc, without any interruptions. This mode closes the disc after the writing process.

Dolby Digital audio
An audio compression format developed by Dolby Lab for multiple audio channels. Burn.Now supports 2 audio channels.

DVD-Audio (DVD-A)
A format that allocates most of the DVD disc space to audio and is primarily used for recording high-quality songs and music on DVD. Audio can be recorded on DVD in a wide range of sampling frequencies between 44.1 kHz to 192 kHz and resolutions of 16, 20 or 24 bits, with up to six discrete channels.

A DVD-Audio disc contains two folders: AUDIO_TS and VIDEO_TS. AUDIO_TS stores high-quality audio as .aob files along with still images (for use as menu backgrounds), navigation, and text. A limited amount of conventional DVD-Video data can be recorded in the VIDEO_TS folder.

DVD-Audio discs can only be played in DVD-Audio capable players.

DVD-Video (DVD-V)

The standard format used for recording movies on DVD. MPEG-2 is the dominant video encoding method used in recording movies for its superlative video quality, although MPEG-1 may also be used. The audio part of the video can be encoded in formats such as PCM, Dolby Digital, or DTS (Digital Theater Sound). DVD-Video provides standard 4:3 and widescreen 16:9 aspect ratios, up to 9 camera angles, up to 8 languages, up to 32 subtitle tracks, fully interactive menus, and instant search of titles, chapters, music tracks, and timecode. DVD-Video discs can be played on standalone DVD players or on computers equipped with a DVD-ROM drive.

Incremental Write

A writing mode that sequentially appends data to the disc until the disc is full.

Joliet

A Microsoft extension to the ISO 9660 file system that handles long file names (up to 64 characters in length, including spaces).

Linear Pulse Code Modulation, Linear PCM (LPCM)

An uncompressed audio format that is similar to CD audio but with higher sampling frequencies and resolutions. It encodes audio on a DVD with a sampling frequency of 48 or 96kHz, resolution of 16, 20 or 24 bits per sample, and with up to eight channels. LPCM's maximum bit rate is 6.144 Mb/s, which is higher than Dolby Digital or MPEG-2.

Mount Rainier

A storage format for CD-RW media that is developed by the Mount Rainier Technical Group. It intends to make the use of CD-RW discs a lot easier by allowing drag-and-drop file copying. Unlike conventional CD-RW burners, Mount Rainier capable burners provide background formatting and defect management features.

Music DVD-Video

A DVD burned in this format using Ulead Burn.Now is the same as the regular DVD-Video disc, except that the DVD is recorded with audio data only (without any video content). Similarly, recordings are stored as .vob files in the VIDEO_TS folder on the DVD.

OGG Vorbis

An open, free, and not patented audio compression format developed by Xiph.Org. This audio format can rival other proprietary, patented audio formats.

On-the-fly

A writing process that allows direct disc-to-disc copying without saving a temporary disc image file on the hard disk.

Random Packet Write

A writing process where small amounts of data can be written and deleted in one action. This writing method allows disc space to be used more efficiently when burning data onto the disc. It allows data to be written onto the disc in the same way as the hard disk, freeing disc space as data are deleted and reusing freed space.

Raw Mode

A disc writing process which reads and writes data as is. In this mode, the disc burner does not correct or repair errors before burning data onto the disc. If this method is used, errors on the original source will also be present on the disc.

Restricted Overwrite

A writing method for DVD-RW that allows random overwriting of data. This method can only be used on pre-formatted DVD-RW discs.

Session-At-Once

A method that writes data in one uninterrupted sequence, that is, by session. A session is an area on the disc that contains one or more tracks depending on the amount of data burnt at a time. This writing method always closes each session but leaves the disc open.

Session

A collection of one or more tracks. In CD disc, each recording process generates a session containing all the tracks recorded at that time. A CD recorded in multiple recording sessions is known as a multi-session CD. In DVD disc, there is only one session in the disc.

Span disc

A feature that arranges files into multiple discs when the total size of a compilation exceeds the capacity of the current disc.

Test Write

A simulation of the burning process before actually writing data to the disc.

Track-At-Once

A writing mode that writes data to a disc by track. When burning a disc in this mode, the burner's laser turns on and off in between tracks, creating a gap between tracks. (This is equivalent to two-second gaps of silence between audio tracks on an Audio CD.)

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