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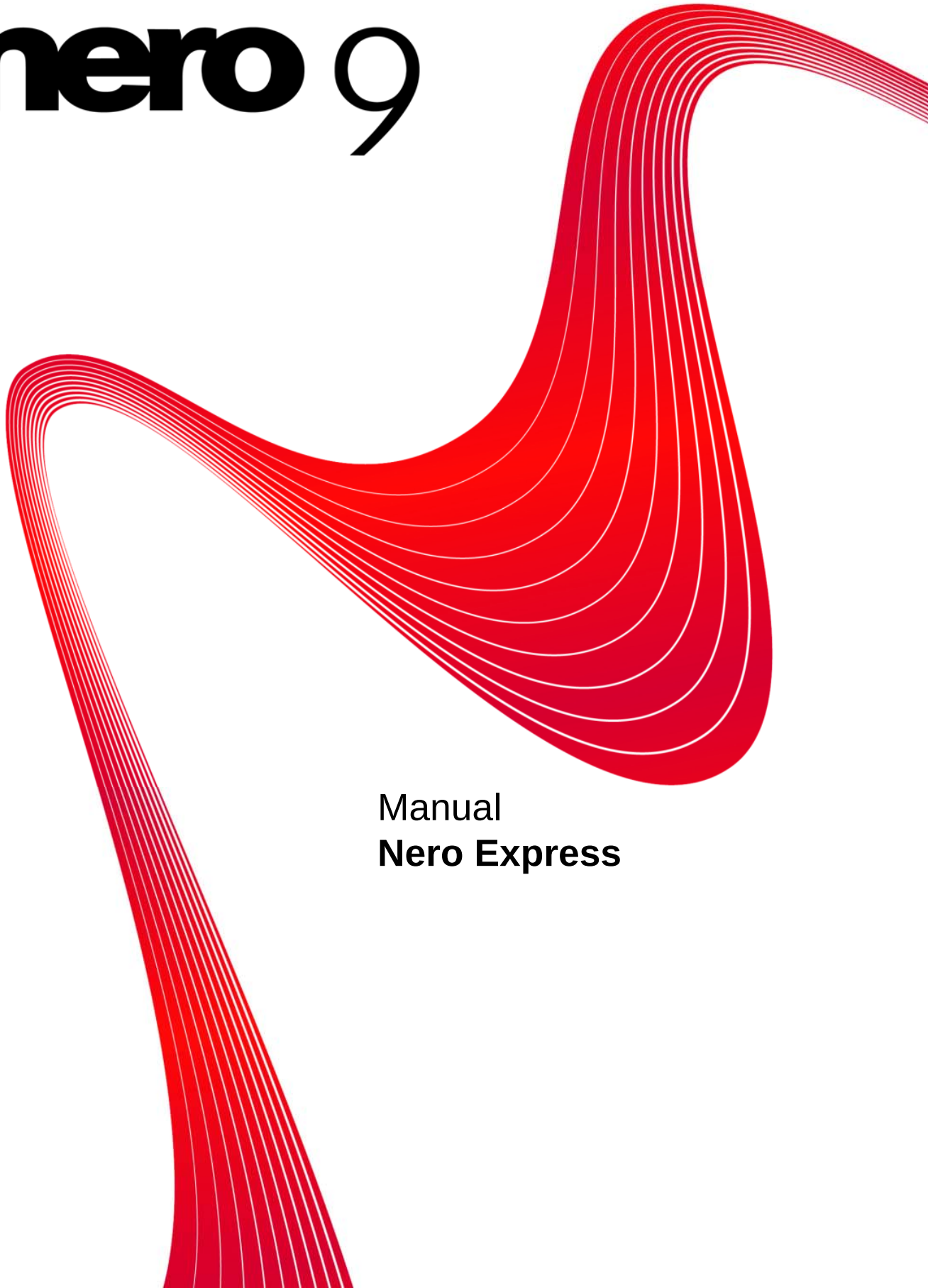

Manual

Nero Express

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Table of contents

1	**Start Successfully**	**5**
1.1	About the manual	5
1.2	About Nero Express	5
1.3	Working with Nero Express	6
2	**Launching the program**	**7**
3	**Start screen**	**8**
3.1	Extended area (start screen)	9
4	**Compilation screen**	**11**
5	**Data Disc**	**13**
5.1	Compiling data CDs/DVDs	13
5.2	Enabling SecurDisc settings	15
5.3	Saving Data Tracks	18
6	**Music**	**20**
6.1	Compiling Audio CDs	20
6.1.1	Customizing properties of the audio file	21
6.2	Compiling jukebox disc	25
6.3	Compiling an audio book CD	25
6.4	Automatic Music Recognition	26
6.4.1	Identifying Audio Files	26
6.5	Copy Audio CDs to Hard Drive	27
6.5.1	Copy Audio CDs to Hard Drive	30
7	**Video and Slide Show**	**34**
7.1	Compiling Video CDs/Super Video CDs	34
7.1.1	Customizing the menu	36
7.2	Compiling DVD-Videos	36
8	**Loading a disc image or saved project**	**38**
9	**LightScribe**	**39**
9.1	Printing LightScribe labels (without compilation)	39
9.2	LightScribe Print Properties window	41
9.3	Printing LightScribe labels (within the project)	42
10	**Labelflash**	**44**
10.1	Burn Label screen	44
10.2	Printing Labelflash labels and DiskT@2	45
11	**Burn Compilation**	**48**
11.1	Choice of recorder	48
11.2	Start the burn process - Burning discs with the drive	49

11.3	Final Burn Settings screen	50
11.3.1	Extended area (Burn Settings)	51
11.4	Burning with Nero Image Recorder – Creating an image file	52
12	**Copying CDs/DVDs**	**54**
12.1	Copying methods	54
12.1.1	On-the-fly	54
12.1.2	Copy image	54
12.2	Copying CDs/DVDs	55
12.3	Copy settings	57
13	**Erase Rewritable Disc window**	**59**
14	**Final screen**	**61**
15	**Configuration options**	**62**
15.1	Settings for the compilation	63
15.2	Cache settings	63
15.3	Expert Features	64
15.4	Ultrabuffer settings	64
15.5	LightScribe settings	65
16	**Technical Information**	**66**
16.1	System requirements	66
16.2	Formats supported	66
16.2.1	Disk types	66
16.2.2	Disc formats	66
16.2.3	Audio formats and codecs	67
16.2.4	Metadata	67
16.2.5	Video formats and codecs	68
16.2.6	Image formats	68
16.2.7	Formats for Playlists	68
16.3	Versions of Nero Express	68
17	**Glossary**	**70**
18	**Index**	**74**
19	**Contact**	**76**

1 Start Successfully

1.1 About the manual

This manual is intended for all users who want to learn how to use Nero Express. It is process-based and explains how to achieve a specific objective on a step-by-step basis.

To make best use of this documentation, please note the following conventions:

	Indicates warnings, preconditions or instructions that have to be precisely followed.
	Indicates additional information or advice.
1. Start …	The number at the beginning of a line indicates a prompt for action. Carry out these actions in the order specified.
→	Indicates an intermediate result.
➔	Indicates a result.
OK	Indicates text passages or buttons that appear in the program interface. They are shown in boldface.
(see…)	Indicates references to other chapters. They are executed as links and are shown in red and underlined.
[…]	Indicates keyboard shortcuts for entering commands.

1.2 About Nero Express

Nero Express provides all the performance and efficiency of Nero Burning ROM with a simplified user interface. Whether you are a beginner or an expert, Nero Express guides you quickly and easily through your desired burning tasks. The default settings are selected to automatically produce the best possible results. Using the program is remarkably easy: simply select the project to be burned, add the files, and start burning.
It is just as easy to create Nero Express discs with SecurDisc and a SecurDisc supported drive. SecurDisc is a new hardware and software technology developed by Nero and HLDS with which you can create discs with special protection properties, such as data integrity, reconstructability, encryption and duplication protection. Such discs can be created with SecurDisc supported drives (e.g. from HLDS/LG and Nero Express) and read from any drive with InCD or InCD Reader.

1.3 Working with Nero Express

Basically, the user interface of Nero Express consists of the selection of a compilation method in the start screen. You then complete the task by navigating through the different steps where a separate window is displayed for each individual step. This generally requires four steps:

Choose compilation type

Select what you would like to do by moving the cursor over the menu item and clicking one of the tasks displayed. This manual contains a chapter for each task that describes all of the steps required for its completion.

Completing a task

Depending on the task, you will have to go through various steps until you reach the end. Each individual step consists of a new screen. For each screen, the manual contains a chapter in which all areas are described in detail.

Burning a Compilation

Burning marks the end. To do this, set the burn parameters and click the Burn button. Depending on the type of the task you are working on and the recorder connected to the system, a number of different entries are available for selection.

Options after burning

After burning is complete, you can decide what to do next: select the option to continue working with Nero Express or exit the program.

2 Launching the program

To start Nero Express via Nero StartSmart, proceed as follows:

1. Click the **StartSmart** icon.
   → The Nero StartSmart window opens.
2. Click the button.
   → The list of Nero applications appears.

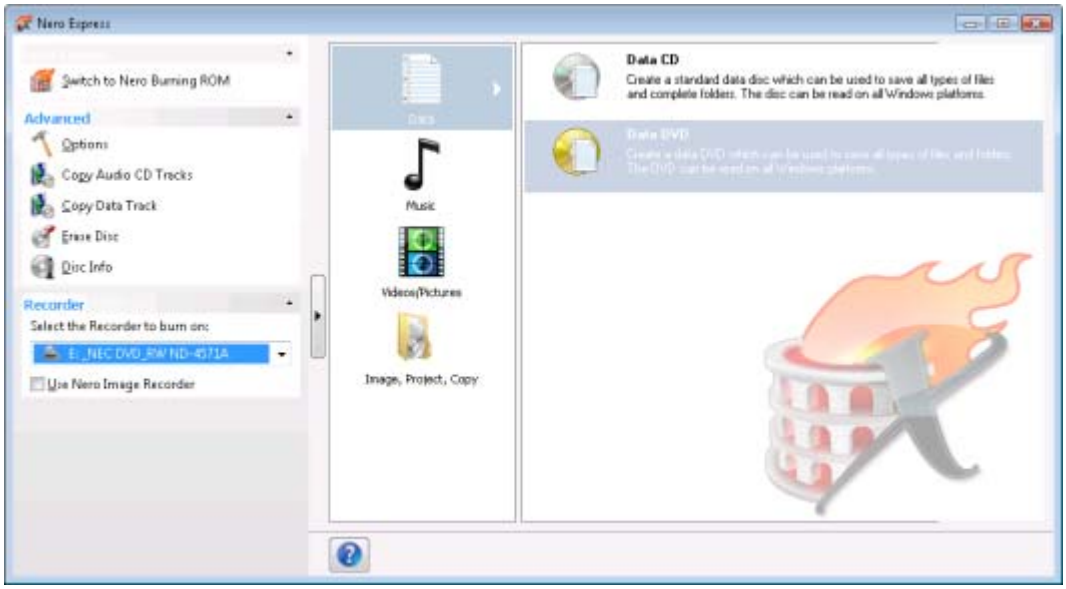
Nero StartSmart window

3. Select the Nero Express entry in the selection list.
4. The Nero Express window opens.
   → You have launched Nero Express via Nero StartSmart.

3 Start screen

The main screen in Nero Express is the starting point for all actions. Click here on the relevant menu icons to go to the desired screen where you can compile and work on your project. The selection is categorized into two areas: several formats or options are available for the **Data**, **Music**, **Videos/Pictures**, **Image, Project, Copy** and **Print LightScribe Label** compilation methods.

Click the button in the left margin of the window to display an extended area with additional options and features.



Nero Express Start Screen

The following compilation methods are available:

Data	Allows you to compile and burn all types of files and folders:
Music	Allows you to compile and burn audio and audio book files in the formats you want:
Videos/Pictures	Allows you to compile and burn video and/or picture files as VCD/SVCD or DVD-Video:
Image, Project, Copy	Allows you to copy a source disc and to load an image file or a saved project:
Print LightScribe Label	Displays the **Disc Label** screen. This is where you can create or load a label in order to print on the label side of special CDs/DVDs in the recorder. A LightScribe recorder must be selected to enable the option.

The actual entries that are available, and the actual disc types (e.g. **DVD**) that can be written to depend on the recorder used.

You can find more information on Blu-ray support at www.nero.com/link.php?topic_id=416.

See also:

- Loading a disc image or saved project→ 38
- LightScribe→ 39
- Labelflash→ 44
- Enabling SecurDisc settings→ 15

3.1 Extended area (start screen)

You can access the additional options and features in the extended area of the start screen by clicking on the button in the left margin of the window. The extended area is available in all Nero Express screens.

The following menu icons are available:

Switch to Nero Burning ROM	Closes Nero Express and opens the start screen of Nero Burning ROM. This option is only available in the extended area of the start screen. If you decide to create a project with Nero Express, the option **Saves the active project** is displayed in all of the other windows at this point.
Saves the active project	Opens the **Save As...** window to save your compilation. The file links and settings to be burned are saved.
Options	Opens the **Options** window to customize Nero Express to suit your requirements.
Copy Audio CD Tracks	Opens the **Copy Audio CDs to Hard Drive** to copy audio files from CD to the hard drive.
Copy Data Track	Opens the **Select Track** window in which you can save the track of a data disc as an image file.
Erasing a Disc	Opens the **Erase Rewritable Disc** window to erase data from a rewritable CD/DVD.
Disc Info	Opens the **Disc Info** window to display information about the inserted CD/DVD. The total capacity and available capacity are displayed, in addition to the tracks and sessions.

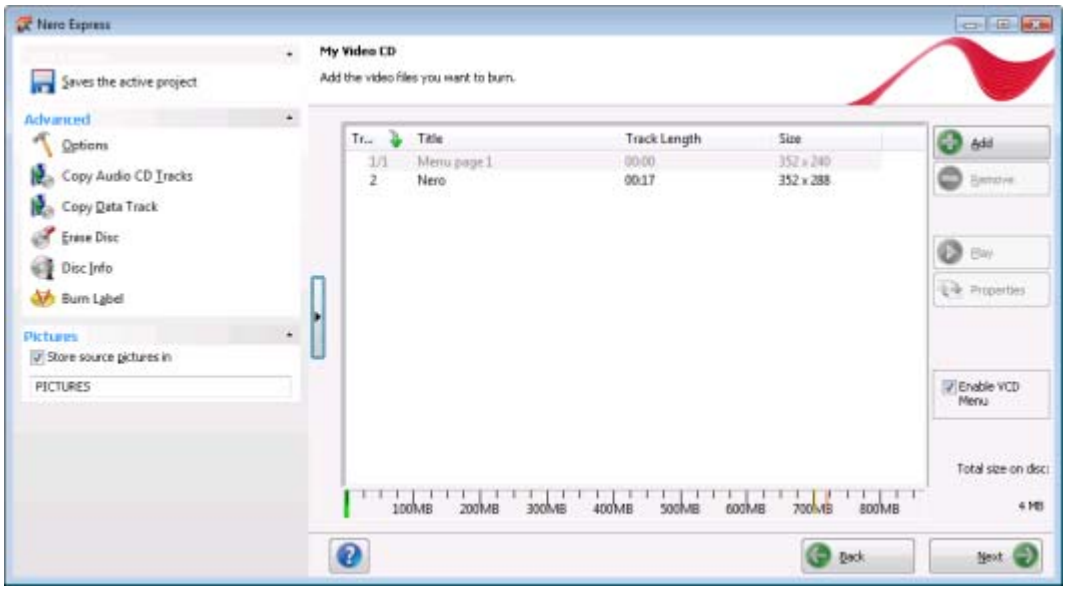
Create Covers and Labels	Opens Nero CoverDesigner. Nero CoverDesigner is used to create and print labels and booklets for burned CDs/DVDs. Please see the separate Nero CoverDesigner user manual for full instructions on how to make professional looking covers and labels.
SecurDisc Settings	Defines the settings for burning a SecurDisc disc.
Burn Label	Opens the **Burn Label** window, in which you can create or load a label in order to print a label and/or print directly on the data side of special CDs/DVDs in the recorder. Available with a Labelflash™ recorder only. The recorder must be selected to enable the option.
Recorder	Defines the recorder that you want to use for burning and/or the Nero Image Recorder.

See also:

- Configuration options→ 62
- Copy Audio CDs to Hard Drive→ 30
- Erase Rewritable Disc window→ 59

4 Compilation screen

You can access the Nero Express compilation screens by selecting the compilation method you want in the start screen. You can add data to your projects in the compilation screens and customize the directory structure on the CD/DVD to suit your requirements. The capacity bar near the bottom of the window indicates how much space is being used by the data on the CD/DVD. Essentially, all compilation screens have the same structure.



Compilation screen

The following setting options are available in the compilation screen:

Button **Add**	Opens the **Add files and folders** window.
Button **Delete**	Removes the selected file.
Button **Playback**	Plays a selected audio or video file.
Button **Back**	Returns to the start screen.
Button **Next**	Switches to the **Final Burn Settings** screen.
Button **Properties**	Opens the **Audio Track Properties** dialog box for Audio CDs and the **MPEG Information** dialog box for video CDs/Super-Video-CDs. Available for audio, video, and Super Video CDs only.

Check box **Enable VCD Menu**	Enables a menu for the CD. You can customize the look of the menu to suit your requirements. Available for video and Super Video CDs only.
Check box **Normalize all audio files**	Enables a filter that brings the volume of the audio files to be burned into line with one another. This is recommended particularly if the files originate from different sources. Available for Audio CDs only.
Check box **No pause between tracks**	Establishes that the audio files merge into one another without a pause. If the box is unchecked, a pause of two seconds is inserted between the files. Available for Audio CDs only.
Selection list **DVD9(8152MB) / DVD5(4483MB)**	If the DVD recorder is capable of burning DVDs with 2 layers (DVD DL), and if you want to burn files larger than 4483 MB, you can select the **DVD9 (8152 MB)** option from the drop-down menu. Available for DVD-Videos only.

You can find more information on Blu-ray support at www.nero.com/link.php?topic_id=416.

See also:

Settings for the compilation→ 63

5 Data Disc

5.1 Compiling data CDs/DVDs

Using Nero Express you can compile and burn all types of files and folders. If a DVD recorder is installed on your computer, you can burn both data CDs, and data DVDs. If you have a CD recorder, you can only burn data CDs and the option for burning a DVD is already grayed out in the start screen. The procedure for both compilation methods is identical.

SecurDisc recorder

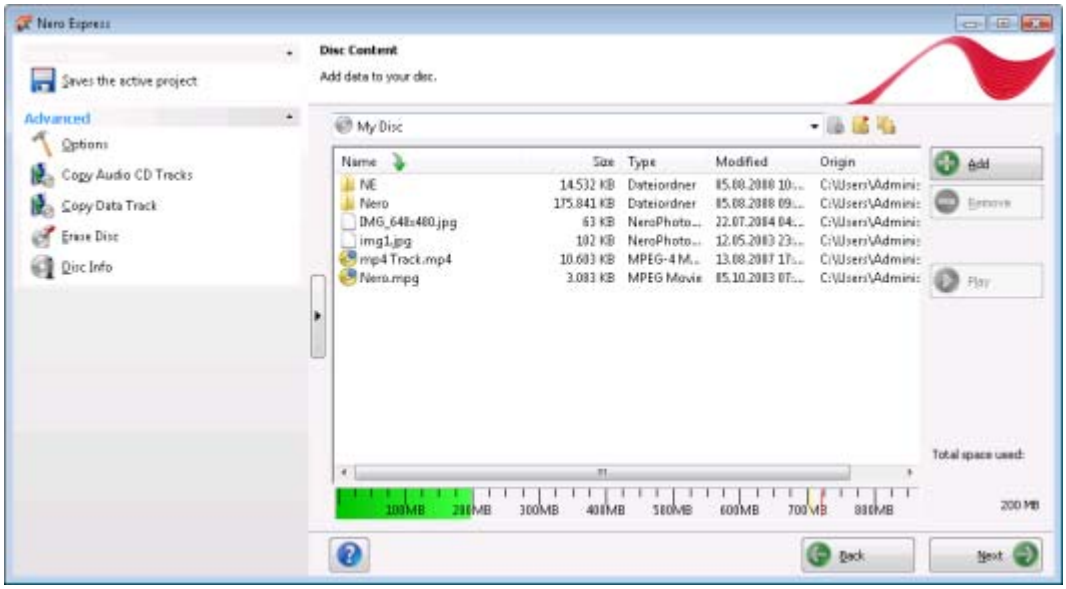
If a SecurDisc recorder is installed on your computer, you can select it to display the relevant entry in order to burn a SecurDisc CD or DVD. The procedures for both adding data and burning a SecurDisc data CD/DVD are the same as the compilation method for a standard data CD/DVD..

The Image Recorder is also suitable for creating an image of a disc type not supported by the connected recorder. You can therefore create a DVD image, for instance, without having installed a DVD recorder. You can write the image to a disc at any time.

You can find more information on Blu-ray support at www.nero.com/link.php?topic_id=416.

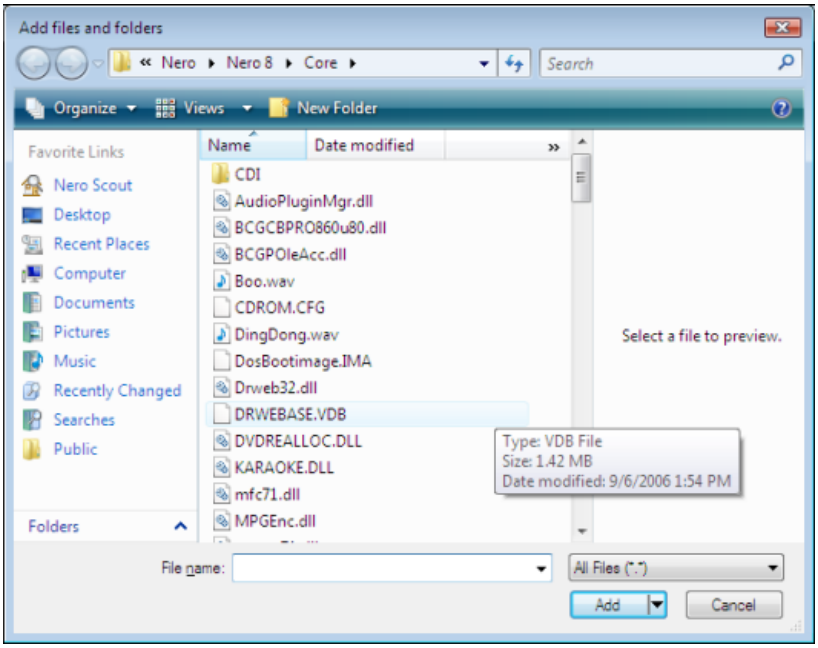
To create a data CD/DVD, proceed as follows:

1. Click the **Data** menu icon in the Nero Express start screen.
   → The **Data CD** and **Data DVD** options are displayed.
2. Click the option you want.
   → The **Disc Content** compilation screen for data CDs/DVDs is displayed.
   If you selected one of the **SecurDisc Data CD** or **SecurDisc Data DVD** options in the start screen, an additional dialog box opens.
   Additional options are displayed in the extended area of the compilation window under **SecurDisc Settings**.



Disc Content compilation screen

3. Click the **Add** button.
   → The **Add files and folders** window opens.



Add files and folders window

4. Select the files that you want to add to the compilation and click the **Add** button.
5. Repeat the previous step for all files that you want to add.

6. Click the **Close** button.
   → The files are added to the compilation and displayed in the compilation screen.
7. Hide specific files.
8. If you want to create a SecurDisc data CD/DVD, select the desired check boxes in the **SecurDisc Settings** area.
9. Click the **Next** button.
   → If you have checked boxes in the **SecurDisc Settings** area, the corresponding dialog boxes will be opened and you will be able to make more settings.
   → You have successfully compiled a data CD/DVD and can now burn this compilation.

See also:

Compilation screen→ 11
Enabling SecurDisc settings→ 15

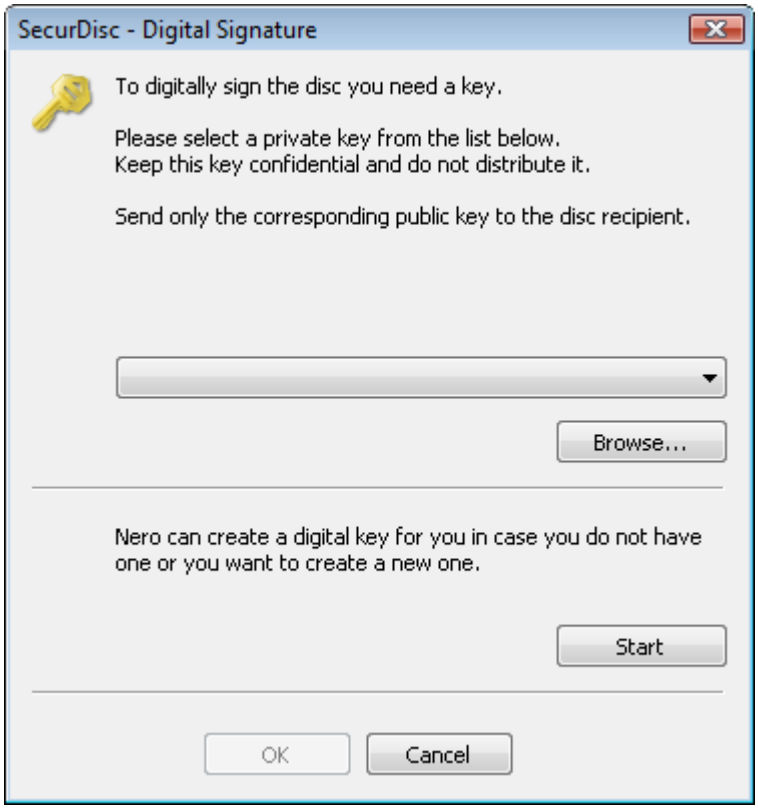
5.2 Enabling SecurDisc settings

To be able to view copy-protected files, you will need a special application called SecurDisc Viewer, which can be downloaded free of charge at www.securedisc.net.

The **Copyright** feature is only available for SecurDisc Data DVD.

To protect the data on your SecurDisc CD/DVD from unauthorized access with a password, to protect PDF files with duplication protection, to remove duplication protection by entering a password, or to sign the disc with a digital signature, proceed as follows:

1. Select the **Password protection** check box in the extended area of the compilation screen.
   → A lock symbol shows that all data is protected.
2. To disable or selectively enable the protection feature for individual files:
   1. Highlight the required file to display the **Unprotect/ Protect** button.
   2. Click the **Unprotect/Protect** button to enable or disable protection.
      → The protection feature is enabled or disabled for the selected file.
3. Select the **Digital signature** check box in the extended area of the compilation screen.
   → The **SecurDisc – Digital Signature** dialog box opens.

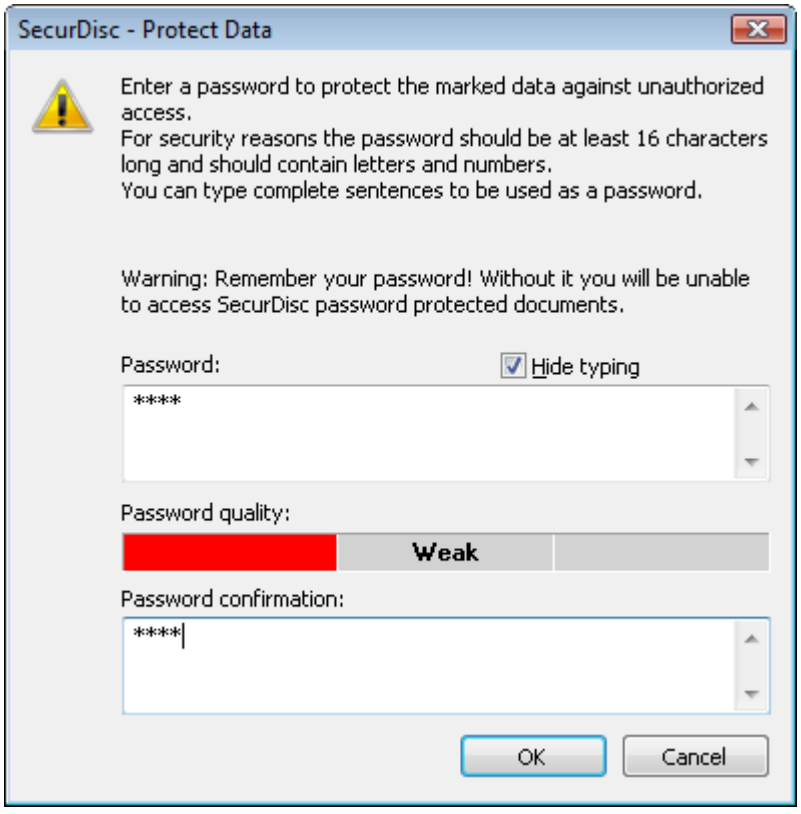


SecurDisc - Digital Signature window

4. If you have already created a digital key:
   1. Click the **Browse** button.
      → The **SecurDisc – Select Private Keys** dialog box opens.
   2. Select the key and click the **OK** button.
5. To create a digital key:
   1. Click the **Start** button.
      → The **SecurDisc – Create Digital Key** dialog box opens.
   2. Read the instructions and click the **Next** button.
      → The **SecurDisc Key Creation Process** dialog box opens.
   3. Move your mouse at random until the creation process is complete.
      → You can monitor the status of the creation process using the progress bar. The **Next** button is enabled as soon as the process is complete.
   4. Click the **Next** button.
      → The **SecurDisc – Key Setting Ended** dialog box opens.
   5. Enter a file name for the key you have created and click the **Finish** button.
      → The **SecurDisc – Digital Signature** dialog box opens and the selected key is displayed in the drop-down menu.

6. Select the **Copy protection** check box in the extended area of the compilation screen.
   → All PDF files are copy-protected. The check box **Use password to disable copy protection** appears.
7. To permit duplication of the copy-protected data after entering a password:
   1. Select the **Use password to disable copy protection** check box.
      → The **SecurDisc – Protect Data** dialog box opens.
   2. Enter the desired password in the **Password** input area and then click the **OK** button.
8. Click the **OK** button.
   → The corresponding dialog box will open to inform you that the disc is being digitally signed with the selected key.

   You can pass on the relevant public key to recipients to enable them to verify the signature.
9. Click the **OK** button.
10. Click the **Next** button.
    → The **SecurDisc – Protect Data** dialog box opens.



SecurDisc – Protect Data window

11. Enter the desired password in the **Password** input area and then click the **OK** button.

When appropriate, a wizard offers suggestions in an additional **Tips** dialog box when entering and selecting the password. The wizard estimates the security level, i.e. the quality of the password, during entry.

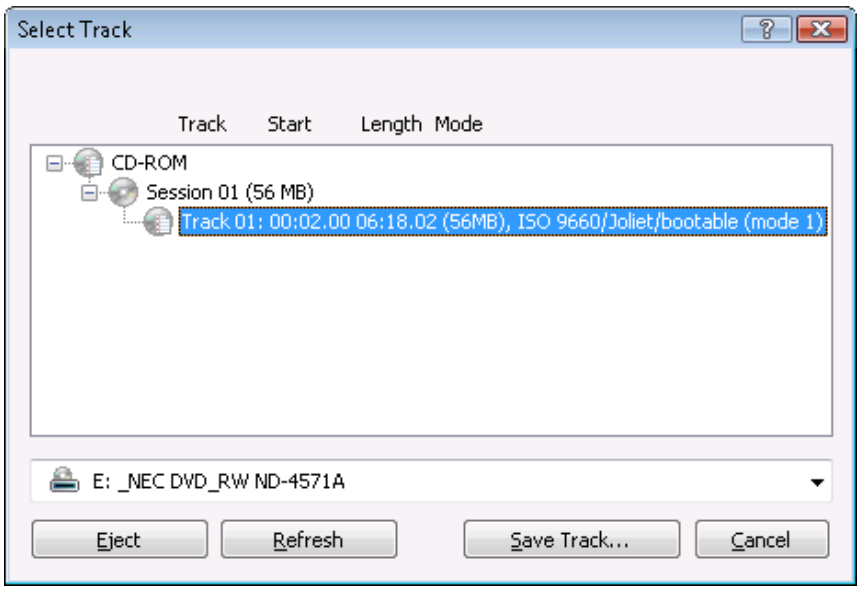
➔ You have now protected the data on your SecurDisc CD/DVD against unauthorized access by assigning a password, protected PDF documents with duplication protection, and/or digitally signed the disc. Now you can burn the CD/DVD.

5.3 Saving Data Tracks

With Nero Express you can save a data disc as an image file. The image file can later be burned to a recordable disc. The result is a copy of the original data disc.

To save the data disc as an image file, proceed as follows:

1. Insert the data disc in a drive.
2. Click the **Save Data Tracks** button in the extended area of the start screen.
   ➔ The **Select Track** window opens. The tracklist shows you the sessions and data tracks that are found on the disc. Due to the technical reasons, only the first data track of the first session can be saved.



Select Track

3. Select the first data track.
4. Click the **Save Track** button.
   ➔ The **Save As** window opens.

5. Select a file name and a storage location.
6. In the **Save As** drop-down menu, select the desired output format (ISO or NRG) for the image file.
7. Click the **Start** button.
   - ➔ The **Progress** window is opened and displays the progress made while saving. When the save process is complete, the window closes automatically.
   - ➔ You have successfully created an image file starting from a data disc. Now you can burn the image file to a disc.

6 Music

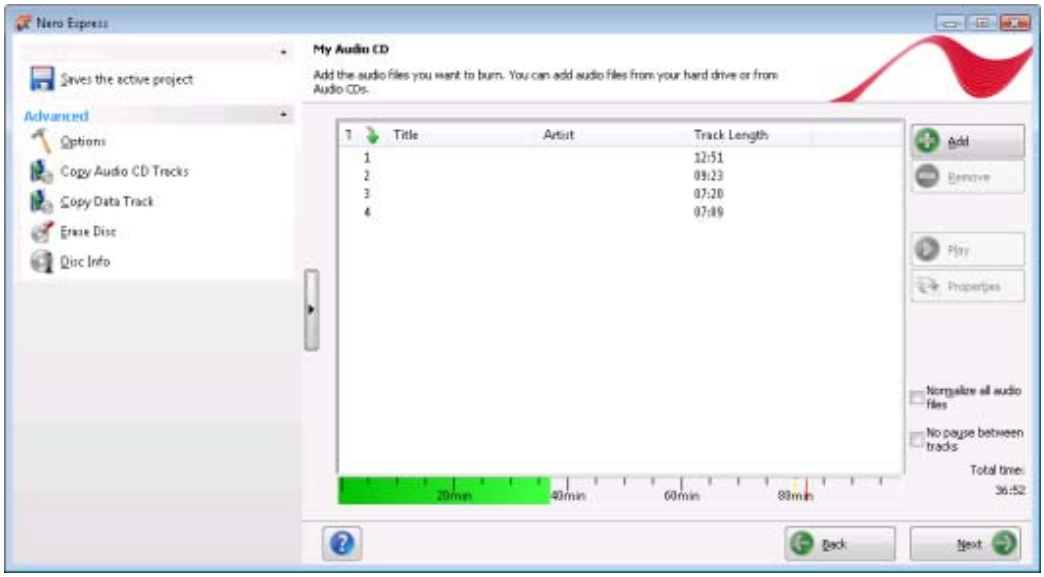
6.1 Compiling Audio CDs

Using Nero Express you can create an Audio CD that contains music files. It can be played using all standard CD players. To compile an Audio CD, source files with different audio formats (e.g. MP4, MP3 or WMA) are automatically converted into Audio CD format before being burned.

Please not that some CD players cannot play CD-RWs. Use CD-R discs to burn Audio CDs.

To create an Audio CD, proceed as follows:

1. Click the **Music** menu icon in the Nero Express start screen.
   → The compilation methods for music are displayed.
2. Click **Audio CD**.
   → The **My Audio CD** compilation screen for Audio CDs appears.



My Audio CD compilation screen

3. Click the **Add** button.
   → The **Add files and folders** window opens.
4. Select the audio files that you want to add to the compilation and click the **Add** button.
5. Repeat the previous step for all audio files that you want to add.
6. Click the **Close** button.
   → The audio files are added to the compilation and displayed in the compilation screen.

7. Customize the properties of the audio files to suit your requirements.
8. Select the **Normalize all audio files** and **No pause between tracks** check boxes as required.
9. Click the **Next** button.
   ➔ You have successfully compiled an Audio CD and can now burn this compilation.

See also:

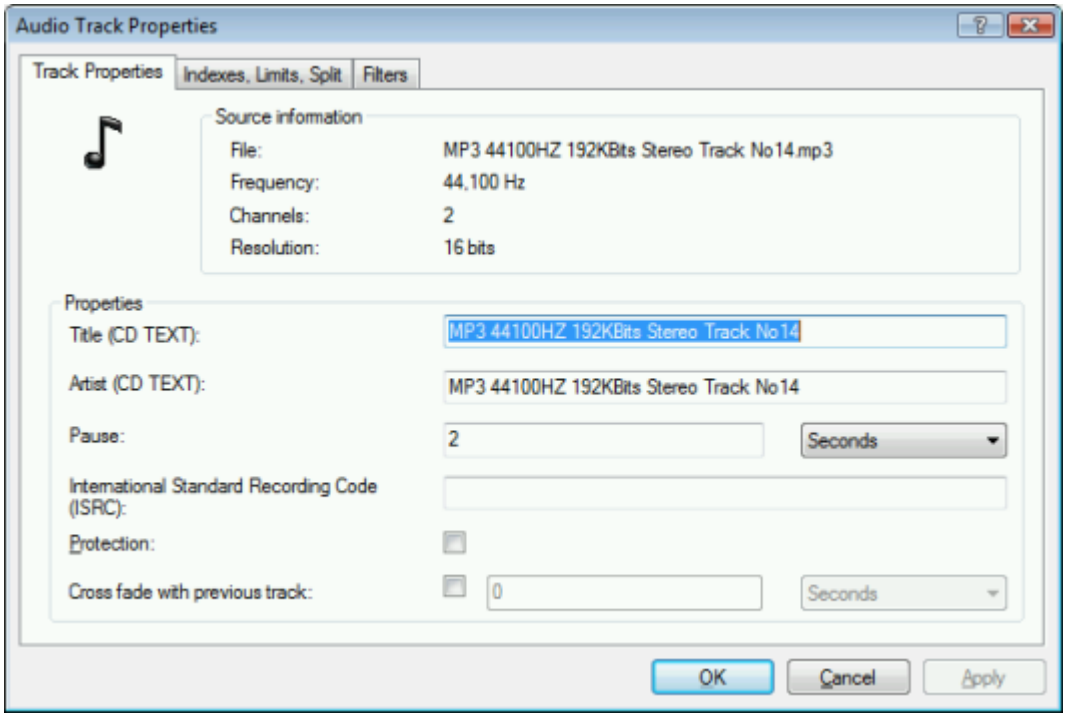
Compilation screen→ 11
Copy Audio CDs to Hard Drive→ 30

6.1.1 Customizing properties of the audio file

You can display and/or make changes to the audio file properties on the **Track Properties**, **Indexes, Limits, Splits** and **Filters** tabs of the **Audio Track Properties** window. To open the window, select an audio file in the compilation screen **My Audio CD** for Audio CDs and click the **Properties** button.

6.1.1.1 Track properties

On the **Track Properties** tab you will find basic information on the selected file in the **Source information** area.



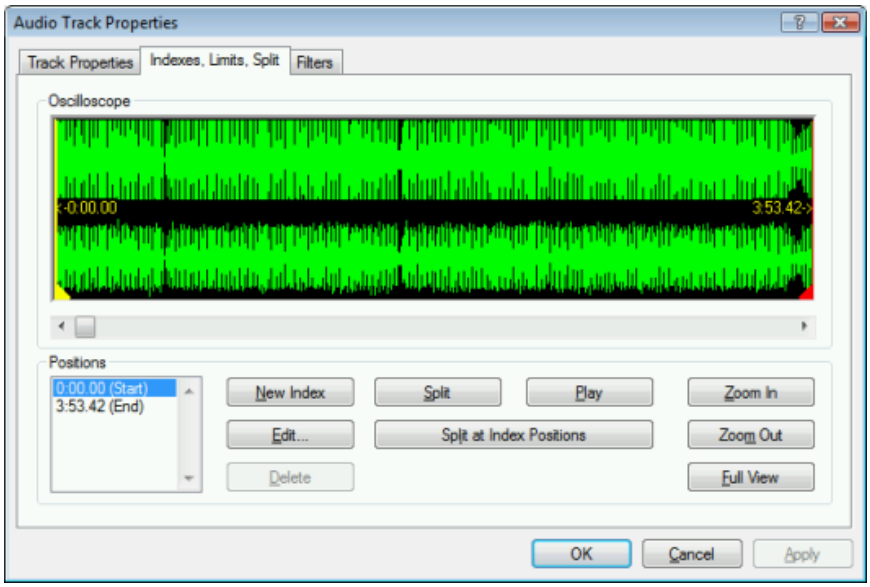
Track Properties Tab

The following input areas are available in the **Properties** area:

Input field **Title (CD TEXT)**	Defines a title which is saved as CD text. CD players that support CD Text show the title name entered here.
Input field **Artist (CD TEXT)**	Defines the artist which is saved as CD Text. CD players that support CD Text show the artist's name entered here.
Input field **Pause**	Defines the length of the pause in seconds or frames between the selected audio file and the next one.
Input field **International Standard Recording Code (ISRC)**	Identifies the CD title using a 12-character digital code. The ISRC is entered in the subcode and included silently. If you do not know the ISRC, you should leave this input field blank.
Check box **Copy protection**	Enables copy protection.
Check box **Cross fade with previous track**	Defines a crossfade between this and the previous audio file. You can specify the length of the crossfade in seconds or in sectors.

6.1.1.2 Indexes, Limits, Split

On the **Indexes**, **Limits**, **Split** tab you can set and delete indexes and split audio files to create two or more shorter ones. The tab consists of the **Oscilloscope** and **Positions**. areas.



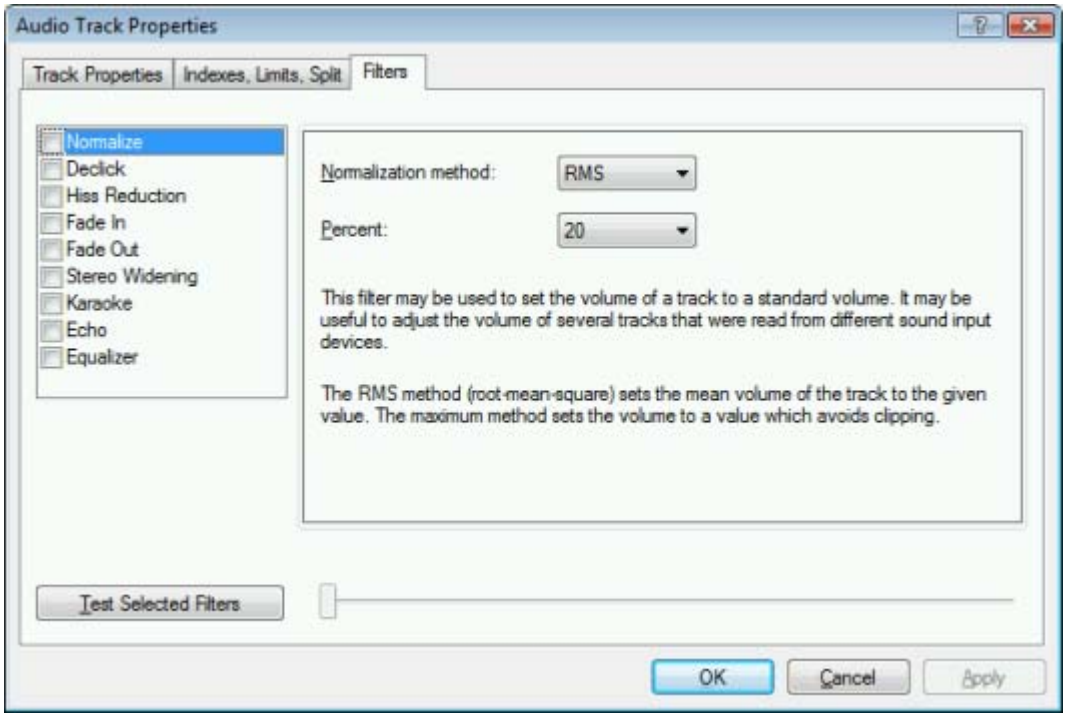
Indexes, Limits, Split Tab

Audio files are displayed graphically in the **Oscilloscope** area. The following configuration options are available in the **Positions** area:

Selection lists **Start/End**	Shows the positions for the beginning and end of the audio file on the CD.
Button **New Index**	Sets a new index position at the selected position. For the CD player this is the position from which a new song starts, and the player can also jump to it directly. However, not all CD players support this feature.
Button **Edit**	Opens the **Set Track End** dialog box. You can enter the exact position of a split.
Button **Delete**	Deletes a selected index.
Button **Split**	Splits the audio file at the marked position.
Button **Playback**	Plays the audio file from the marked position. During playback, the **Stop** button is shown.
Button **Stop**	Stops playback of the audio file. If playback is stopped, the **Play** button appears again.
Button **Split at Index Positions**	Splits the audio file at the set index positions.
Button **Zoom In**	Enlarges the graphical representation of the audio file.
Button **Zoom Out**	Reduces the graphical representation of the audio file.
Button **Full View**	Displays a graphical representation of the entire audio file.

6.1.1.3 Filter Settings

The **Filters** tab includes filters that improve or change the quality of the music. The so-called non-destructive procedure is used for processing, i.e. the actual recording is not changed, but flags are simply set that can be canceled at any time. No additional audio data is created. The audio files are not actually changed until they are written.



Audio Track Properties window, Filters tab

The following configuration options are available in the **Audio Track Properties** window:

Check box **Normalize**	Sets the volume of an audio file to a preset value. This filter can be useful to bring the volume of files originating from different sources into line with one another.
Check box **Declick**	Removes clicking and scratching noises, such as those on old LPs for example.
Check box **Hiss Reduction**	Reduces or removes the hiss on an audio file. All frequencies below a certain threshold (hiss level) are removed.
Check box **Fade In**	Fades in the volume of an audio file from zero to full volume. This filter can be useful for shortening files.
Check box **Fade Out**	Fades out the volume of an audio file from full volume to silence. This filter can be useful for shortening files.
Check box **Stereo Widening**	Increases/reduces the stereo effect of an audio file. This filter only works if the original file was recorded in stereo.
Check box **Karaoke**	Fades out the vocals on an audio file. This is done by fading out the parts of a song that are the same in both stereo channels.
Check box **Echo**	Adds an echo to the audio file.

Check box **Equalizer**	Opens an equalizer so you can change the volume, bass, and pitch in different frequency ranges.
Button **Test Selected Filters**	Plays the audio file and applies the activated filters. During playback, the configuration options for the filters can be changed, allowing the effect to be controlled.
Selection list **Normalization method**	Sets the midpoint of the track to the specified value. **Maximum** sets the volume to the greatest value possible without clipping.
Selection list **Percent**	Sets a standard value for the volume of a track.

6.2 Compiling jukebox disc

Nero Express can be used to compile discs with audio formats you require (e.g. Nero Digital, MP3 or WMA). In contrast to Audio CDs that can only be burned on CDs, you can burn these compilations of different audio formats on other disc types – provided an corresponding recorder is installed on your computer. The procedure for compilation methods is identical. You can opt for a single format or a mix of audio formats of your choice.

Nero Express does not convert the audio files when creating a jukebox disc. In other words, MP3 files are burned as MP3 files for example. Most CD players cannot play such discs.

There is no difference between creating a jukebox disc and creating an Audio CD. Please be sure to select the corresponding entry in the start screen.

From a technical point of view, a compilation of special audio formats is a data CD/DVD. You can also select Nero ExpressData **>** Data CD/DVD **in the** start screen to create and burn your project.

See also:

Compilation screen→ 11
Compiling data CDs/DVDs→ 13

6.3 Compiling an audio book CD

Nero Express is used to compile audio book files and burn them as an audio book CD, i.e. in the form of an Audio CD. You can then play it on any standard CD player. Since audiobooks can play for several hours, Nero Express saves the audiobook to multiple audio CDs. During the burn process, you are prompted to insert new blank discs.
The procedure for compiling audio book CDs is basically the same as the procedure for creating an Audio CD.

See also:

Compilation screen→ 11

6.4 Automatic Music Recognition

With Gracenote MusicID Nero Express can identify music files. So called metadata such as artist, title, and genre are accessed from the Gracenote Media Database and displayed in Nero Express. The identified metadata is written to the music file and is then available. Identification is possible for single audio files as well as complete original Audio CDs.

If the metadata of the Audio CD is not yet included in the database then you can enter it and make it available. The metadata is sent to Gracenote and added into the database.

With Gracenote you can have audio files identified out of any sort of compilation. This is particularly useful when audio files are not named or are only partially named. The metadata that is made available by Gracenote is used for the compilation and is written into the audio files. In this way your music collection is correctly tagged with all information.

During the following actions, original Audio CDs can be automatically identified in Nero Express with Gracenote MusicID.

- Copying Audio CD
- Saving Tracks from the Audio CD to Hard Drive

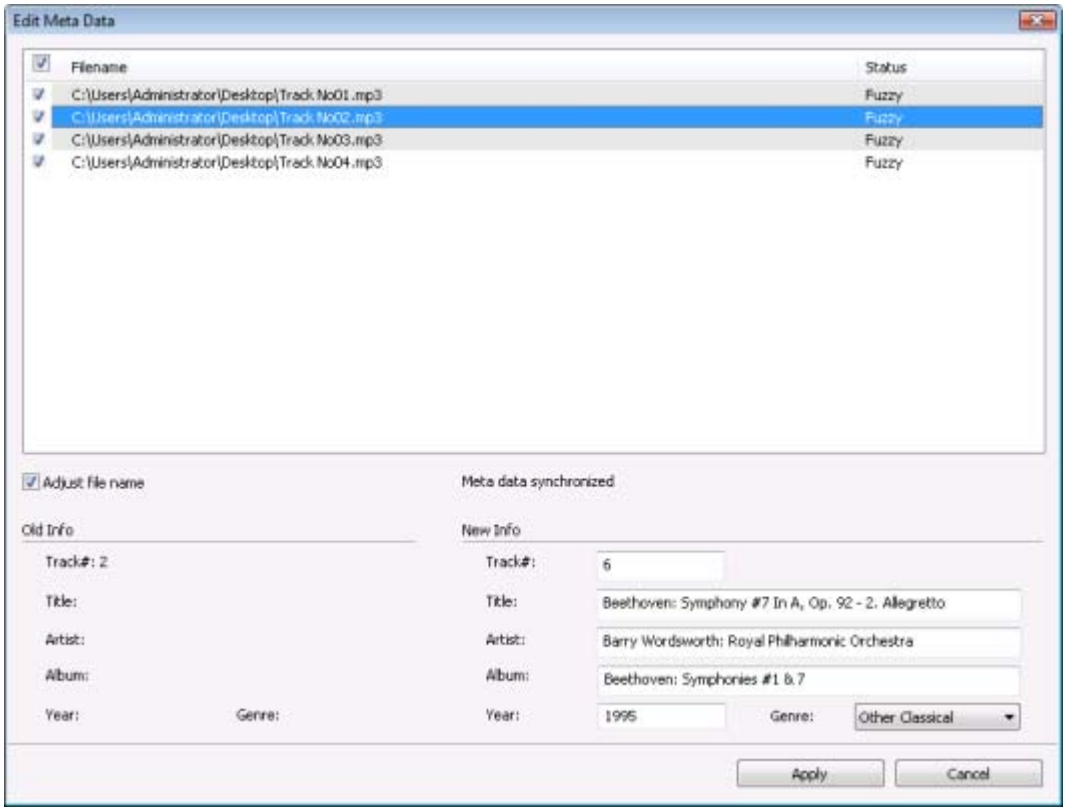
Music recognition technology and related data are provided by Gracenote®. Gracenote is the industry standard in music recognition technology and related content delivery. For more information, please visit www.gracenote.com.

6.4.1 Identifying Audio Files

You can have the added audio files in the music compilations identified with Gracenote and access metadata such as artist and title from the Gracenote Media Database.

To do this, proceed as follows:

1. Choose the type of compilation to burn a music CD.
   → The compilation screen appears.
2. Add audio files from the hard drive to the music compilation.
3. Select one or more audio files in the compilation.
4. Right-click to open the context menu.
5. Choose the **Get Metadata** entry.
   → The audio files are analyzed and the required information is sent to Gracenote. The **Edit MetaData** window opens. The metadata received by Gracenote is displayed in the **New Info** area.



Edit Metadata window

6. If necessary, edit the metadata, e.g. track number, title, artist, album title, year, and genre.
7. Click the **Apply** button.
   - ➔ The **Edit Metadata** window closes.
   - ➔ The metadata is written into the audio file and accordingly shown in Nero Express.

6.5 Copy Audio CDs to Hard Drive

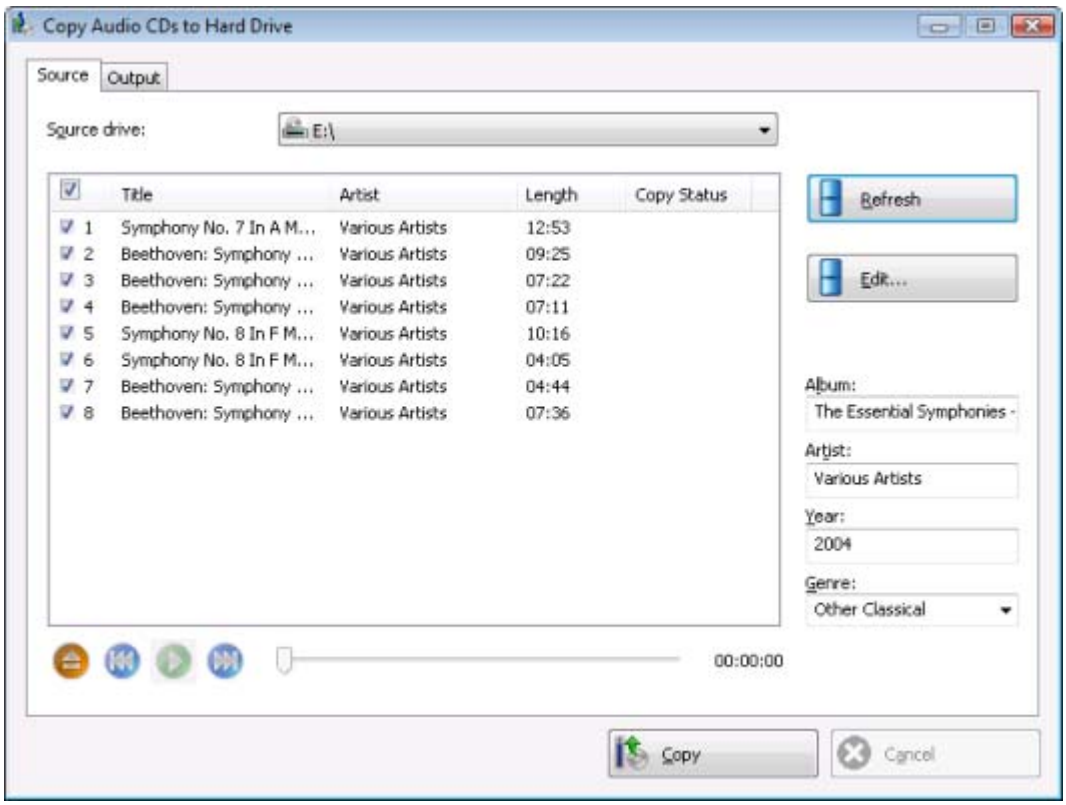
Using Nero Express you can save audio files from an Audio CD on the hard drive. In the process, the files are encoded, i.e. converted into a format that the computer can read. The audio file is usually compressed.
The Audio CD can be automatically identified with Gracenote MusicID. So called metadata such as title, genre, and track title are accessed by the Gracenote Media Database and associated to the tracks. That way you have audio files that are accurately and fully named after the encoding process.

Music recognition technology and related data are provided by Gracenote®. Gracenote is the industry standard in music recognition technology and related content delivery. For more information, please visit www.gracenote.com.

Audio files from copy-protected Audio CDs cannot be saved.

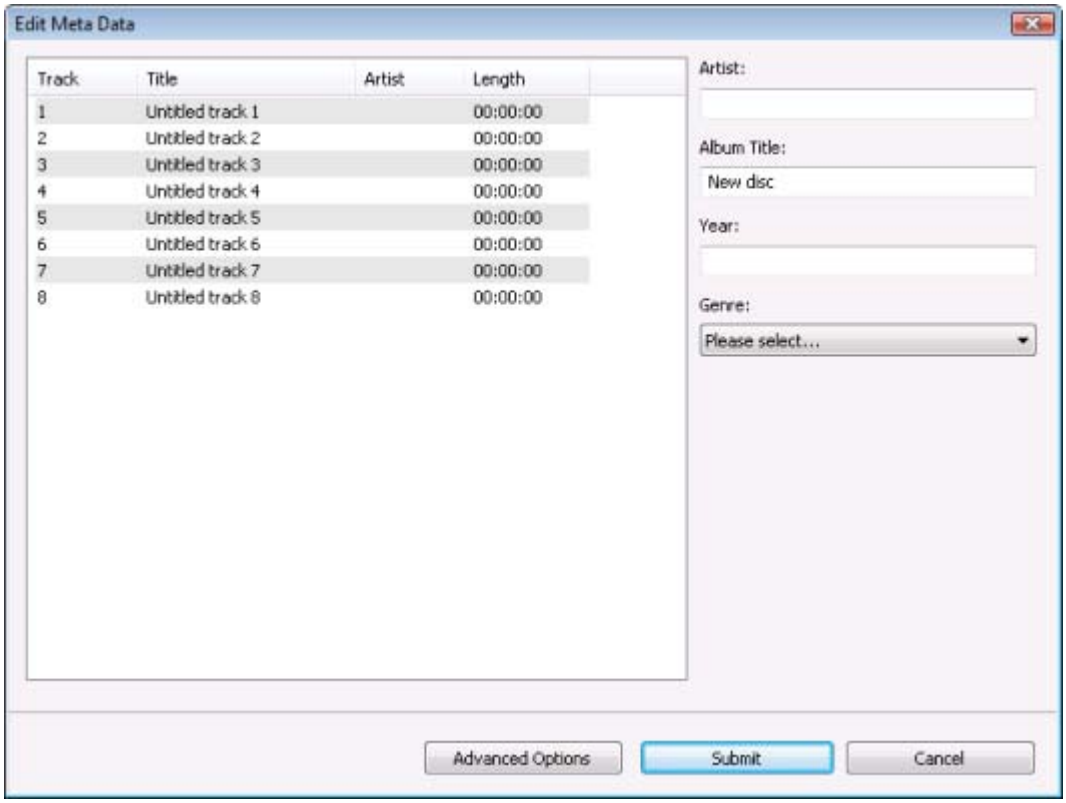
To save audio files, proceed as follows:

1. Click the **Copy Audio CD Tracks** button in the extended area of the screen.
   → The **Copy Audio CDs to Hard Drive** window opens.



Copy Audio CDs to Hard Drive

2. Insert your Audio CD into a drive.
   → The disc is analyzed and the required information is sent to Gracenote. If an exact matching entry is found in the Gracenote Media Database then that metadata will be used and displayed.
   → If several entries are found, the **Matches** window opens and the possible metadata records are displayed.
3. Select the metadata record that matches your Audio CD.
4. Click the **Send New Data** button if none of the metadata records match your Audio CD.
5. The **Edit MetaData** window opens.



Edit Metadata

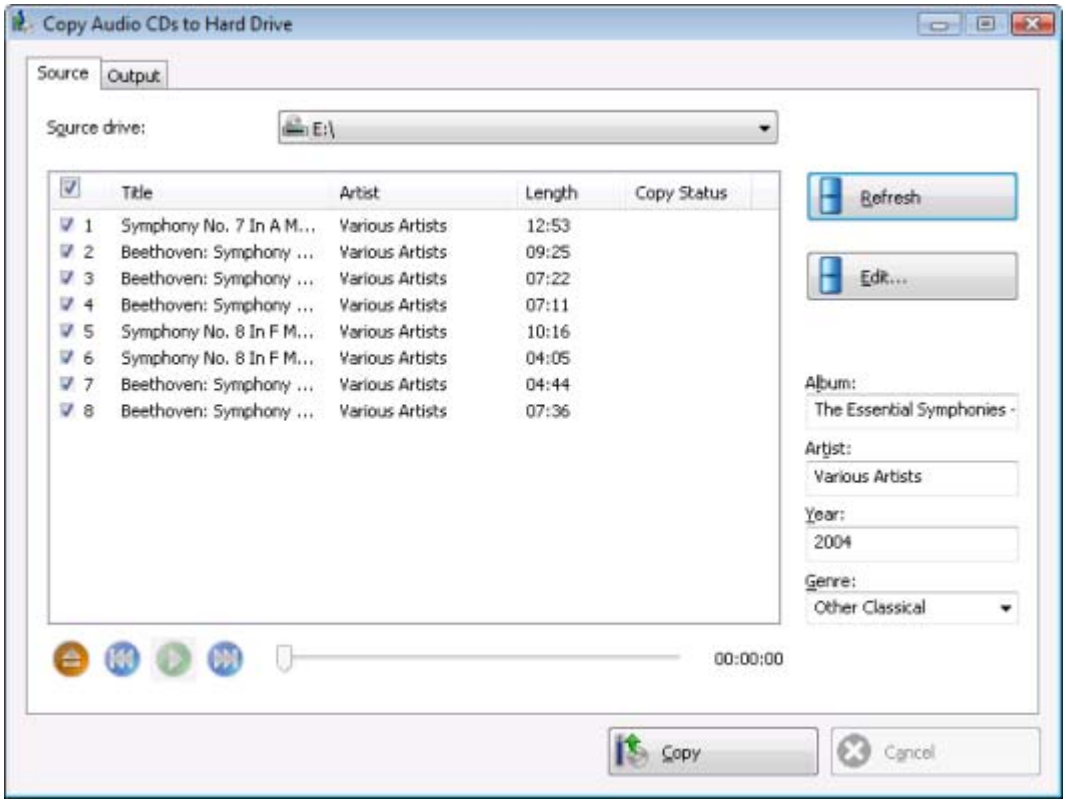
The **Edit MetaData** window also opens if no matching entry is found in the database but you want to enter the metadata and make it available.

6. If necessary, edit the metadata (e.g. title, artist, album title, year, genre).
7. Click the **Advanced Options** button if you want to add additional information.
   → The **Gracenote MusicID Information** window, which originates from Gracenote, opens. After entering the additional information, you have to close this window so that the **Edit MetaData** window displays again.
8. Click the **Submit Data** button.
   → Changed or new Audio CD metadata is sent to Gracenote and added to the Gracenote Media Database.
   → The **Edit MetaData** window is closed and the information is passed on to the **Copy Audio CDs to Hard Drive** window.
9. Select the tracks that you want to save on the hard drive.
10. Click the **Output** tab.
    → The **Output** tab is opened.
11. In the **File Format** drop-down menu, select the target file's audio format.

12. Choose a method for creating the file name in the **Mode for Creating File Names** drop-down menu.
13. Define other settings according to your preferences.
14. Click the **Copy** button.
    ➔ Conversion starts. A folder with the name of the album is created inside the desired folder. The audio files are saved in this folder and named according to the method you chose. Metadata that is identified with Gracenote is written to the audio file.
    The **Progress** window indicates the saving progress. When the save process is complete, this window closes automatically.
15. Click the **Close** button.
    ➔ The **Copy Audio CDs to Hard Drive** window is closed. You have saved your audio files.

6.5.1 Copy Audio CDs to Hard Drive

Define the settings for audio files to be saved on the hard drive in the **Copy Audio CDs to Hard Drive**. Open the window in the extended area of the start screen by clicking **Save Tracks**.



Copy Audio CDs to Hard Drive - Source

The following setting options are available:

Tab **Source**	Specifies settings for the source of the audio data.
Tab **Output**	Sets output files configuration options.
Button **Copy**	Starts the copy or save process.

See also:

Compiling Audio CDs→ 20

6.5.1.1 Source tab

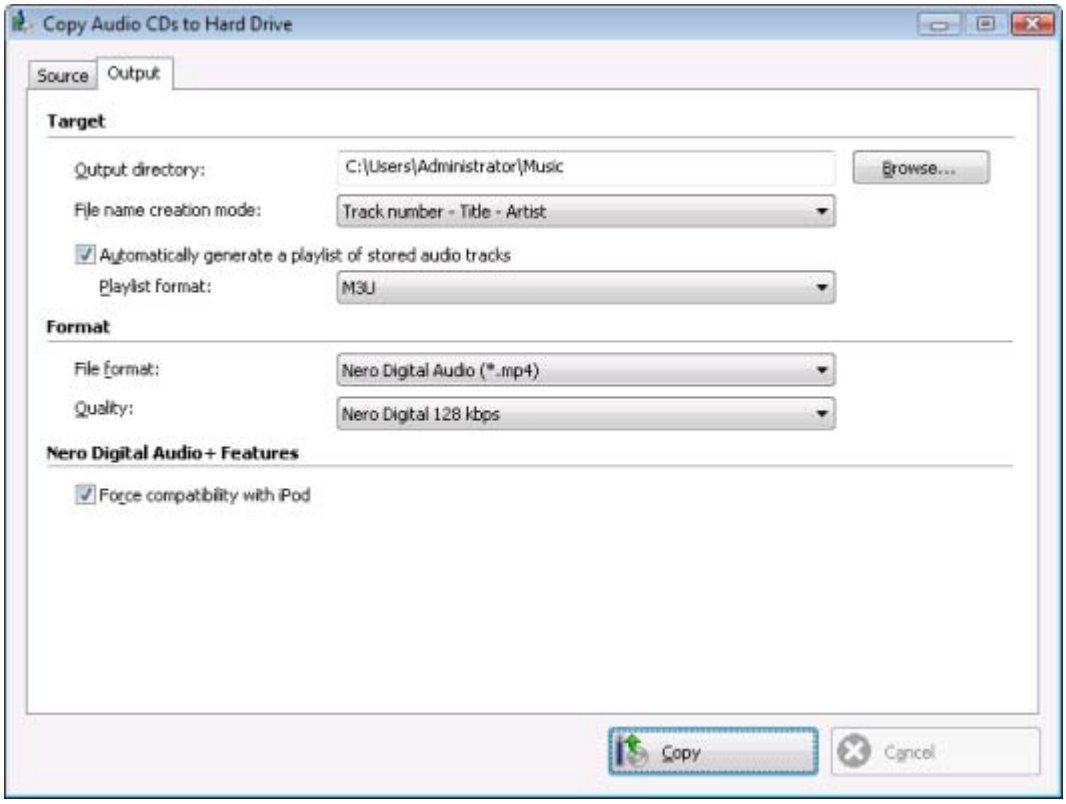
The **Source** tab displays the audio files on the Audio CD. The functions of the control buttons correspond to the familiar control buttons on CD players.

The following setting options are available:

Drop-down menu **Source drive**	Selects the drive where the Audio CD is inserted.
Title Selection List	Displays the tracks on the Audio CD. You can select individual tracks to copy by selecting the respective check box.
Button **Refresh**	Sends a new query to the Gracenote Media Database and completes the Audio CD's metadata including artist, title name, and genre if a matching entry exists in the database.
Button **Edit Metadata**	Opens the **Edit MetaData** window. Here, you can edit the Audio CD metadata sent by Gracenote. You can enter the metadata if no entry for your Audio CD exists in the Gracenote Media Database. This metadata is sent to Gracenote, and added to the Gracenote Media Database.
Input fields **Album/Artist/Year**	Displays or specifies metadata for the album, artist and year.
Selection list **Genre**	Displays or specifies the genre.

6.5.1.2 Output tab

You can define the properties of the audio files to be created on the **Output** tab.



Copy Audio CDs to Hard Drive - Output

The following setting options are available:

Input window **Output directory**	Selects the storage location for the output file.
Button **Browse**	Opens a browser window where you can select a storage location.
Drop-down menu **Mode for creating file name**	Selects the method to be used for creating the name of the output file.
Check box **Automatically generate a playlist of stored audio tracks**	Creates a playlist of the saved audio files.

Drop-down menu **Playlist format**	Selects a format for the playlist.
Drop-down menu **File format**	Selects the output audio format for the selected audio file. The selected file format is available as the first entry the next time it is called up.
Button **Settings**	Opens a window where you can define options such as bit rate and frequency for the output audio file.
Check box **Force compatibility with iPod**	Makes Nero Digital Audio+ available for an iPod. Is only available if you selected the **Nero Digital Audio +** output format.

7 Video and Slide Show

7.1 Compiling Video CDs/Super Video CDs

Using Nero Express you can compile Video CDs (MPEG-1 format) and/or Super Video CDs (MPEG-2 format) from your video and/or picture files, which can be played on almost all VCD or SVCD and DVD players as videos or slide shows. Source files are automatically converted to the correct format during the burn process. The procedure for both compilation methods is identical.

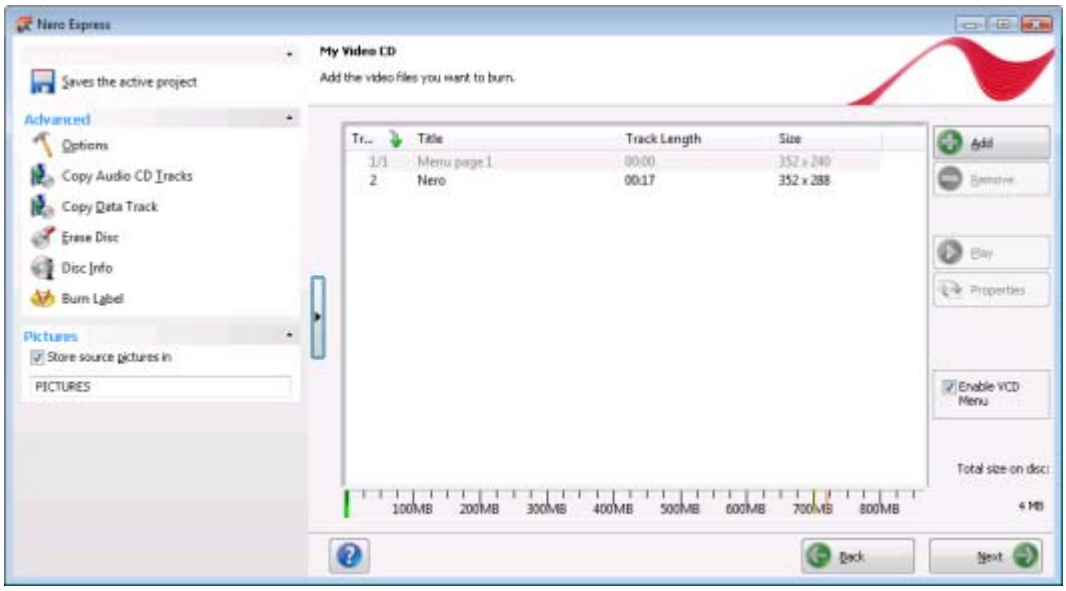
When creating a slide show in Nero Express, options such as **Accentuate with background music** are not available. Nero Vision offers additional features.

Please see the separate Nero Vision user manual for full instructions on how to produce professional looking slide shows.

When creating a slide show as a VCD/SVCD, the picture files involved are stored in a DAT file. This kind of file can no longer be modified or viewed using an image processing program. If you would like to save the original formats on your CD as well, select the **Store source pictures in** check box.

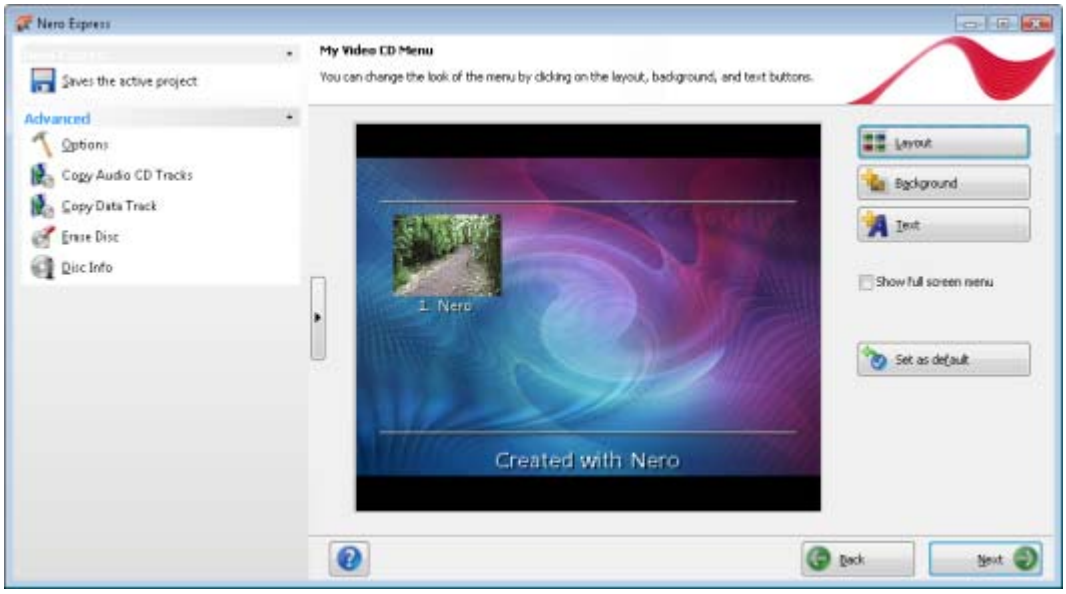
To create a (Super) Video CD, proceed as follows:

1. In the Nero Express start screen, click the menu icon **Videos/Pictures**.
   → The **Video CD**, **Super Video CD** and **DVD-Video Files** options appear.
2. Click the option you require, **Video CD** or **Super Video CD**.
   → The **My (Super) Video CD** compilation screen opens.



My (Super) Video CD compilation screen

3. Click the **Add** button.
   → The **Add files and folders** window opens.
4. Select the video and/or picture files that you want to add to the compilation.
5. Click the **Add** button.
6. Repeat the two previous steps for all video and/or picture files that you want to add to the compilation.
7. Click the **Close** button.
   → The video and/or picture files are added to the compilation and displayed on the compilation screen.
8. Customize the properties of the video and/or picture files to suit your requirements.
9. When needed, select the **Enable (S)VCD Menu** check box.
10. Click the **Next** button.
    → If you have selected the **(S)VCD Menu** check box, the **My (Super) Video CD Menu** screen appears.



My Video CD Menu compilation screen

11. Customize the look of the menu to suit your requirements.
12. Click the **Next** button.
    → You have successfully compiled a (Super) Video CD and can now burn this compilation.

See also:

Compilation screen→ 11

7.1.1 Customizing the menu

In the **My (Super) Video Menu** screen you can customize the look of the menu to suit your requirements. Just as with DVD-Video menus, you can select titles and/or chapters from the movie to show in the VCD/SVCD menu.

The following setting options are available:

Button **Layout**	Opens the **Layout Settings** dialog box. You can set the layout of the menu here.
Button **Background**	Opens the **Background Settings** dialog box. You can load and customize the background image here.
Button **Text**	Opens the **Text Settings** dialog box. You can enter the text content for headers and footers and select the font here.
Button **Show full screen menu**	Shows a preview of the full screen menu.
Check box **Set as Default**	Saves the current menu settings as default values.

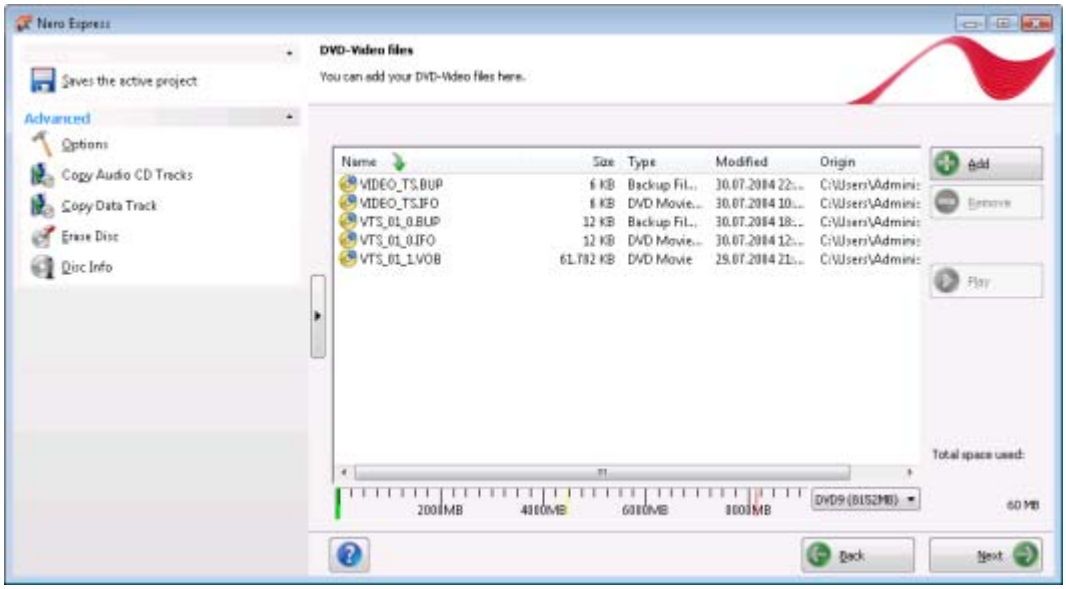
7.2 Compiling DVD-Videos

Using Nero Express you can burn DVDs made up of DVD-Video files from your hard drive. You can show your burned DVDs on almost all DVD players.You can use Nero Express to burn a DVD if the DVD video title, i.e. a complete DVD folder structure, is already available.

Please note that it is not possible to create a DVD-Video from video files in Nero Express. In Nero Vision, you can convert video files to DVD-Videos. More information is available in the separate Nero Vision manual.

To compile a DVD-Video, proceed as follows:

1. In the Nero Express start screen, click the menu icon **Videos/Pictures**.
   → The **Video CD**, **Super Video CD** and **DVD-Video Files** options appear.



DVD-Video files compilation screen

2. Click **DVD-Video**.
   → The **DVD-Video files** compilation screen opens.
3. Click the **Add** button.
   → The **Add files and folders** window opens.
4. Select the DVD-Video files that you would like to add to the compilation and click the **Add** button.
5. Repeat the two previous steps for all DVD-Video files that you want to add to the compilation.
6. Click the **Close** button.
   → The DVD-Video files are added to the compilation and are displayed in the compilation screen.

If the DVD-Video files selected are larger than 4483 MB and if a DVD recorder which can burn DVDs with 2 layers (DVD DL) is installed, you can select the **DVD9 (8152MB)** option in the drop-down menu.

7. Click the **Next** button.
   → You have successfully compiled a DVD-Video and can now burn this compilation.

See also:

Compilation screen→ 11

8 Loading a disc image or saved project

Nero Express is used to burn a CD/DVD from a disc image or compilation that you have previously saved on the hard drive.

To load an image file or a saved compilation for the burn process, proceed as follows:

1. Click the **Image**, **Project**, **Copy** menu icon in the Nero Express start screen.
   → The **Copy Entire CD**, **Copy Entire DVD**, and **Disc Image or Saved Project** options appear.
2. Click the **Disc Image or Saved Project** option.
   → The **Open** dialog window opens.
3. Select the image file (*.nrg) or saved compilation you want and click the **Open** button.
   → The selected file loads and the **Final Burn Settings** screen appears.
   → You have successfully loaded the image file or compilation and can now burn it.

9 LightScribe

Using Nero Express and a LightScribe recorder you can create or load labels that you can burn onto the label side of CDs/DVDs in the LightScribe recorder. The function is available as a separate **Print LightScribe Label** option in the start screen or can be integrated as an intermediate step into the creation and burn process of a project.

This function is only available in recorders that support LightScribe technology.

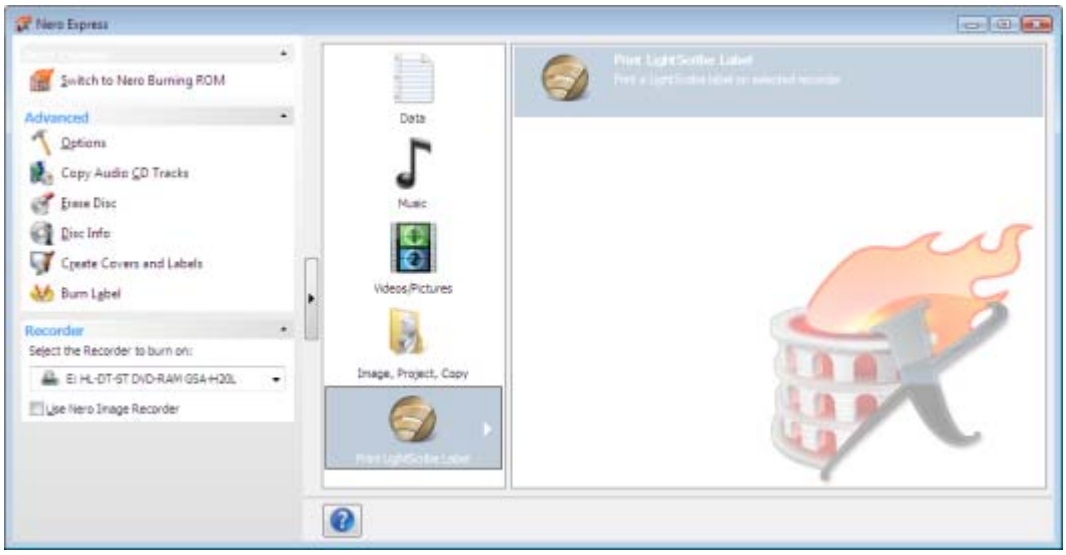
See also:

LightScribe settings→ 65

9.1 Printing LightScribe labels (without compilation)

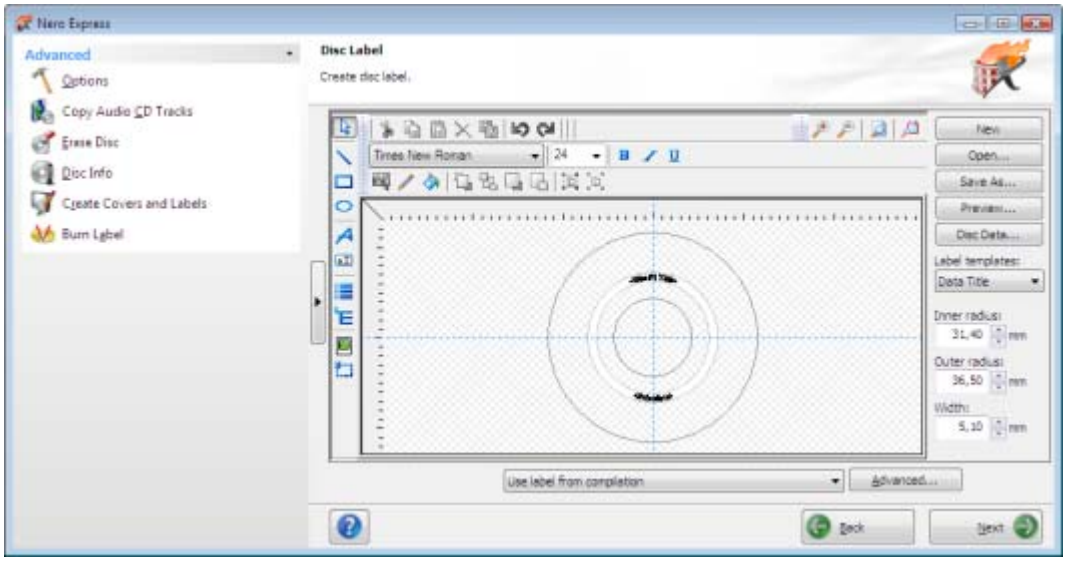
To create and print a LightScribe label for your CD/DVD, proceed as follows:

1. In the **Recorder** section of the extended area in the start screen, select the LightScribe recorder you want to use.
2. Insert a blank LightScribe disc into the LightScribe recorder with the label side facing down.
   → The **Print LightScribe Label** menu icon in the Nero Express start screen appears.



LightScribe Label start screen

3. Click the **Print LightScribe Label** menu icon.
   → The **Print LightScribe Label** option appears.
4. Click the **Print LightScribe Label** option.
   → The **Disc Label** screen opens.



Disc Label screen

5. Create a label according to your requirements.

   The interface in the **Disc Label** screen works on the same principle as Nero CoverDesigner. Basically, it is irrelevant whether you print the label on paper or directly onto an appropriate disc.

   Please see the separate Nero CoverDesigner user manual for full instructions on how to make professional looking covers and labels.

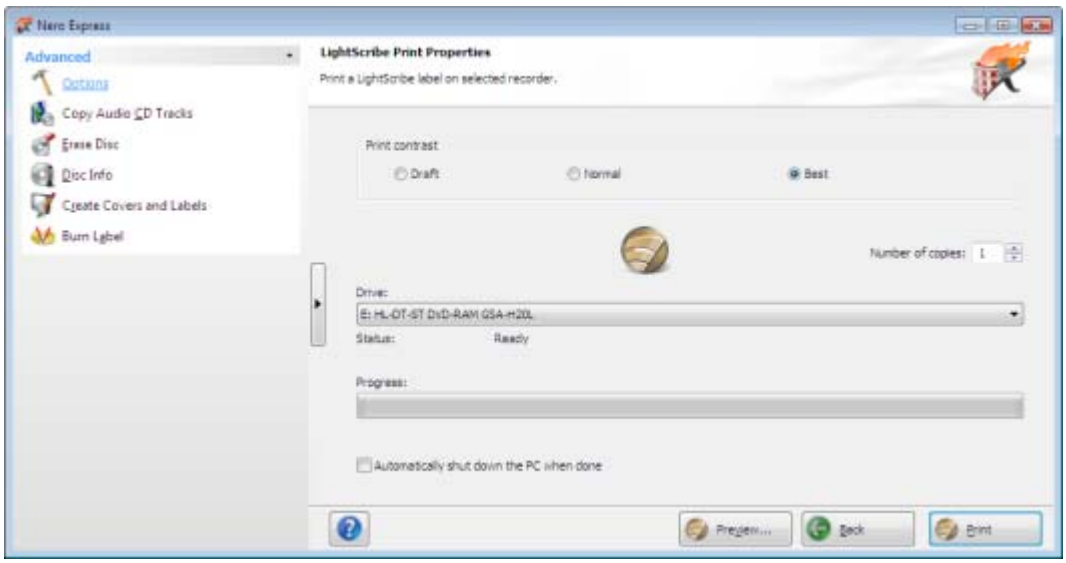
6. Click the **Next** button.
   → The **LightScribe Print Properties** screen opens.
7. Add to the required values in the input fields and enable the option button for the desired print quality.
8. Click the **Print** button.
   → The printing process begins. You can follow the process status in the status bar. As soon as printing is finished, the **Nero – LightScribe** dialog appears and displays a message about the result of the printing process.
9. Click the **OK** button.
10. Click the **Next** button in the **LightScribe Print Properties** screen.
    → You have successfully created and printed a LightScribe label according to your requirements and can now continue by selecting another option from the final screen or by exiting Nero Express.

See also:

LightScribe Print Properties window→ 41
Final screen→ 61

9.2 LightScribe Print Properties window

You can customize the print properties of your LightScribe label to suit your requirements in the **LightScribe Print Properties** window.



LightScribe Print Properties window

The following options are available:

Area **Print contrast**	Adjusts the desired print quality. This option button is set to **Normal** by default.
Input field **Number of copies**	Defines the number of copies you require.
Drop-down menu **Drive**	Defines the desired recorder. Available only if multiple LightScribe recorders are available.
Check box **Automatically shut down the PC when done**	Shuts down the computer after the label has been printed (if possible).
Button **Print**	Starts printing the label.
Button **Preview**	Opens the **LightScribe Print Preview** dialog box. A print preview of the label is displayed here.

9.3 Printing LightScribe labels (within the project)

To create and print a corresponding LightScribe label within your project, proceed as follows:

1. In the **Recorder** section of the extended area in the start screen, select the LightScribe recorder you want to use.
2. Compile a project of your choice.
   → The **Disc Label** screen opens.
3. Create a label according to your requirements.

   The interface in the **Disc Label** screen works on the same principle as Nero CoverDesigner. Basically, it is irrelevant whether you print the label on paper or directly onto an appropriate disc.

   Please see the separate Nero CoverDesigner user manual for full instructions on how to make professional looking covers and labels.
4. Click the **Next** button.
   → The **Final Burn Settings** screen opens.
5. Insert a suitable blank disc in the selected drive.
6. Select the recorder you want from the **Current Recorder** drop-down menu.
7. Add to the desired values in the input fields as necessary and select the required check boxes.
8. Add to the desired settings in the extended area.
9. Click the **Burn** button.
   → The **Burn Process** screen appears and the burn process starts. You can follow the process status in the status bar. As soon as the burn process is finished, the CD/DVD is ejected and a dialog box appears.
10. Turn the blank LightScribe disc around, i.e. insert it in the LightScribe recorder with the label side facing down.
    → The **LightScribe Print Properties** window opens and the print process starts. You can follow the process status in the status ba. As soon as the printing is finished, the **Nero – LightScribe** dialog appears and displays a message about the result of the printing process.
11. Click the **OK** button.
12. If you would like to save a log of the burn process, click the **Save** button.
    → The log is saved.
13. To print the log, click the **Print** button.
    → The log is printed.

14. Click the **Next** button.

➔ You have successfully created and printed a LightScribe label as an integral part of your CD/DVD project and can now continue by selecting another option from the final screen or by exiting Nero Express.

See also:

LightScribe Print Properties window→ 41
Final screen→ 61

10 Labelflash

If you have a Labelflash recorder, you can print a label on the label and/or data side of the Labelflash DVD. A Labelflash DVD has a special layer between the top and bottom layers; this layer can be heated by the laser in the recorder so that images and text can be printed on the DVD.

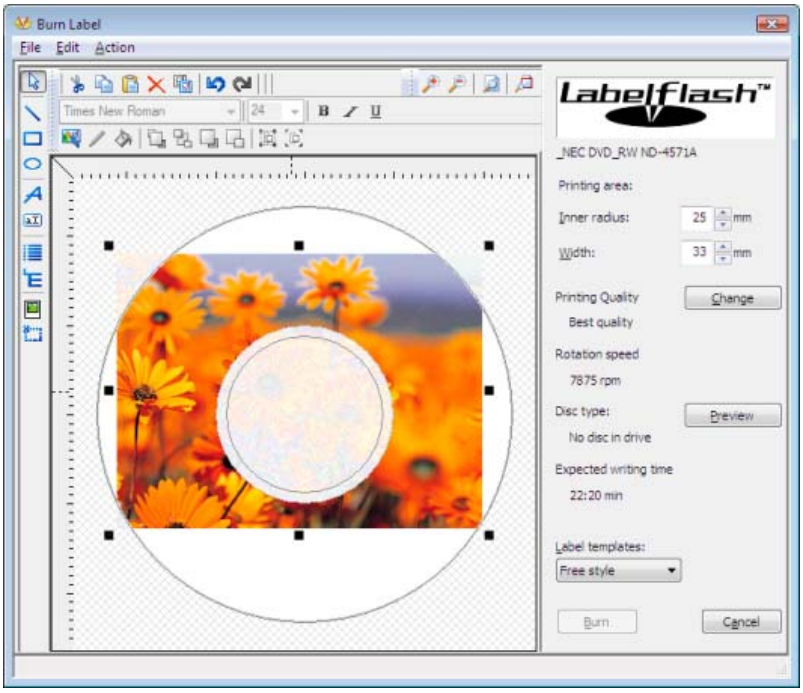
The interface in the **Burn Label** screen works on the same principle as Nero CoverDesigner. Basically, it is irrelevant whether you print the label on paper or directly onto an appropriate disc.

Please see the separate Nero CoverDesigner user manual for full instructions on how to make professional looking covers and labels.

This feature is only available in recorders that support Labelflash technology.

10.1 Burn Label screen

In the **Burn Label** window you can create or load a label and write it on a Labelflash DVD. Information on the selected printing quality and rotation speed is displayed on the right-hand side of the screen. Under Disc type you can see whether the blank disc has been inserted with the label or data side. Either the Labelflash or the DiscT@2 logo is displayed in the **Burn Label** window depending on which side is inserted.



Burn Label Window

The following configuration options are available in the **Burn Label** window :

Input field **Inner Radius**	Defines the distance between the label and the inner edge.
Input field **Width**	Defines the width of the print area.
Button **Edit**	Opens the **Labelflash Print Properties** window. This is where you can change the printing quality and the contrast level and display the changes made directly in the print preview.
Button **Preview**	Opens the **Print Preview** window that shows how the label should appear on the Labelflash disc.
Selection list **Label templates**	Contains a selection of different templates for designing the label. You can continue to edit and customize a selected template.
Button **Writing**	Starts the burn process.
Button **Cancel**	Cancels the procedure and closes the window.

If you are creating a DiscT@2, displays only the available print area for creating the label by default, i.e. the area on the data side of your DVD that is not already taken up by data. You cannot increase the radius of the print area.

10.2 Printing Labelflash labels and DiskT@2

Basically, it is irrelevant whether you print on the label or the data side when creating labels. The label is actually printed outside the normal burn process.

You can print on the label side of the DVD at any time.

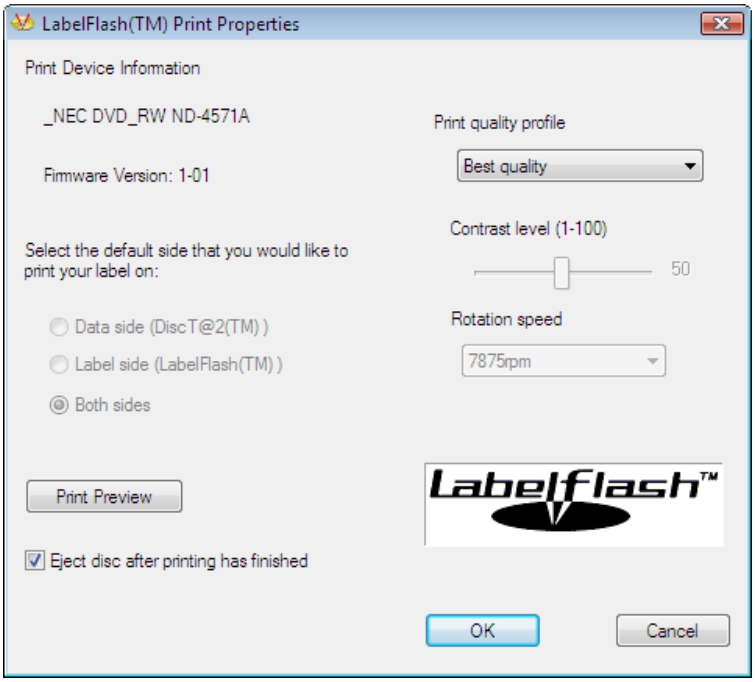
We recommend that you print on the data side first when you have burned the compilation. It is not possible to burn data on a printed data side. When you insert a DVD on which data has already been burned, Nero Express automatically identifies the space that is still available on the data side and on which you can print.

To print a Labelflash label on the label side or a DiskT@2 on the data side of your DVD, proceed as follows:

1. If you want to print a Labelflash label on the label side, insert a blank Labelflash disc into the recorder with the label side facing down.
   → The **Burn Label** window opens with the Labelflash logo.

2. If you want to print a DiskT@2 on the data side, insert a blank Labelflash disc with the data side facing down in the recorder.
   → The **Burn Label** window opens with the DiskT@2 logo.
3. Create a label according to your requirements or open a label that you have already created with Nero CoverDesigner.

   The interface in the **Burn Label** window and creation of a label work on the same principle as Nero CoverDesigner. Please see the separate Nero CoverDesigner manual for full instructions on how to create professional looking covers and labels.
4. If you want to change the area in which the label is printed, change the print area accordingly using the input fields **Inner Radius** and **Width**.
5. If you want to view or change the print properties:
   1. Click the **Change** button.
      → The **Labelflash Print Properties** window opens.
   2. If you want to change the printing quality, select a quality level from the **Print quality profile** drop-down menu.
   3. If you select the **User defined** entry from the **Print quality profile** drop-down menu, you can change the contrast level and the rotation speed.
   4. Click the **OK** button.



Labelflash Print Properties

6. The **Labelflash Print Properties** window closes and the changes are accepted.

7. Click the **Burn** button.
   1. The labeling procedure starts and the **Labelflash - printing** or **DiscT@2 - printing** window opens. The window shows the estimated printing time and the print progress. When printing is complete, a dialog box opens informing about the successful print process.
8. Click the **OK** button.
9. The dialog box is closed and the disc ejected.
   ➔ You have successfully printed a label.

11 Burn Compilation

11.1 Choice of recorder

If multiple recorders are installed, you can select the recorder that you want to use for burning from the **Recorder** drop-down menu. Immediately before burning a project, you can change the recorder you selected again in the **Final Burn Settings** window.

Labelflash™ recorder

If a Labelflash™ recorder is installed on your computer, you can select it to create and print Labelflash™ DVD labels in Nero Express. The function is available as a separate **Burn Label** menu icon in the extended area of the start window.

LightScribe recorder

If a LightScribe recorder is installed on your computer, you can select it to create and print LightScribe CD/DVD labels in Nero Express. The feature is available as a separate **Print LightScribe Label** option in the start screen or can be integrated as an intermediate step into the creation and burn process of a project.

SecurDisc recorder

If a SecurDisc recorder is installed on your computer, you can select it to create and burn SecurDisc data CDs and/or DVDs in Nero Express. Corresponding options, e.g. **SecurDisc Data CD**, are available in the start window.

In addition to the installed recorders, Nero Image Recorder is also available in Nero Express. Nero Image Recorder can be used to create and save an image file to burn later. In order to use Nero Image Recorder, you can select the **Use Nero Image Recorder** check box in the extended area of the start screen.

Please note that Nero Image Recorder can only be activated in the extended area of the start screen.

The Image Recorder is also suitable for creating an image of a disc type not supported by the connected recorder. You can therefore create a DVD image, for instance, without having installed a DVD recorder. You can write the image to a disc at any time.

You can find more information on Blu-ray support at www.nero.com/link.php?topic_id=416.

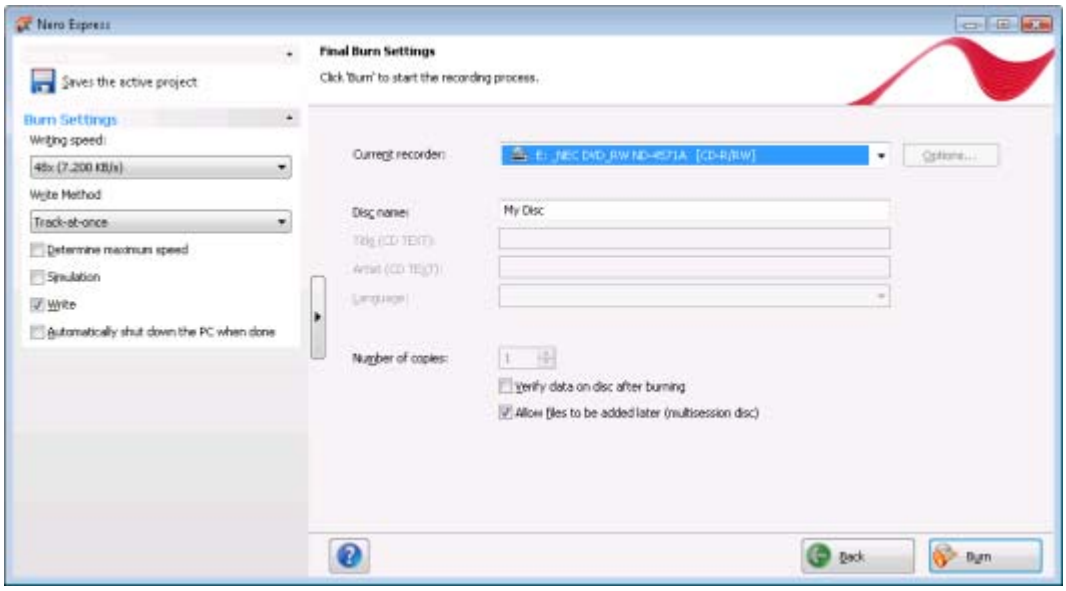
11.2 Start the burn process - Burning discs with the drive

To select one of the available recorders, to define the burn settings for your project according to your requirements, and to start the burn process, proceed as follows:

1. Compile a project of your choice.
   → The **Final Burn Settings** screen opens.
2. Insert a suitable blank disc in the selected drive.
3. Select the recorder you want from the **Current Recorder** drop-down menu.
4. Add to the desired values in the input fields as necessary and select the required check boxes.
5. Add to the desired settings in the extended area.
6. Click the **Burn** button.
   → The Burn Process screen appears and the burn process starts. You can follow the process status in the status bar. As soon as the burn process has finished, the **Nero Express** dialog box appears and displays a message about the result of the burn process.
7. Click the **OK** button.
8. If you would like to print or save a log of the burn process, click either the **Print** or **Save** button.
9. Click the **Next** button.
   → You have successfully burned a project and can now continue by selecting another option from the final screen or by exiting Nero Express.

11.3 Final Burn Settings screen

In the **Final Burn Settings** screen, you can define the burn settings to suit your requirements, use Nero Image Recorder to save a project to the hard drive as an image file or start the burn process.



Final Burn Settings screen

The following configuration options are available in the **Final Burn Settings** screen:

Button **Options**	Opens the **Recorder Information** dialog box. You will find additional information here on the selected recorder and the media types that can be burned using it. Additional options can be enabled/disabled. In some recorders, you can change the Book Type settings. Available for data DVDs and DVD-Videos only. Not available when saving with Nero Image Recorder.
Input field **Disc name**	Defines the name of the CD/DVD. Not available for Audio or audio book CDs.
Input field **Title (CD TEXT)**	Defines the title of the Audio CD if CD Text is supported. Available for Audio and audio book CDs only.
Input field **Artist (CD TEXT)**	Defines the artist on the Audio CD. Available for Audio and audio book CDs only.
Input field **Number of copies**	Defines the number of copies you require. Not available for audio book CDs or when saving with Nero Image Recorder.

Check box **Verify data on disc after burning**	Compares the burned data to the original data. With compilations of multisession CDs/DVDs only the data that was added during the last burn process is compared. Not available when saving with Nero Image Recorder.
Check box **Allow files to be added later (multisession disc)**	Enables the option to write additional files to the CD/DVD. The CD/DVD is not finalized. Multisession CDs/DVDs do not have to be written in a single burn process. You can burn projects repeatedly to a CD/DVD until it is completely burned. Not available for Audio and audio book CDs or when saving with Nero Image Recorder.

11.3.1 Extended area (Burn Settings)

You can access additional burn settings in the extended area of the **Final Burn Settings** screen by clicking the button in the left margin of the window.

An extended area with additional options and features is available in all Nero Express screens.

The following setting options are available:

Button **Saves the active project**	Opens the **Save As** dialog box. You can save your compilation here.
Selection list **Write speed**	Defines the speed at which the disc is burned. Only the burn speeds that are supported by the selected recorder are displayed. Not available when saving with Nero Image Recorder.
Selection list **Write method**	Defines the **Disc-at-once** or **Track-at-once** write method. Using the disc-at-once method the entire CD/DVD can be burned without the write laser having to stop. With the track-at-once method the laser switches off after each track. Available for CD compilations only. By default DVDs are burned using the disc-at-once method.
Check box **Determine maximum speed**	Checks how fast the compiled data can be accessed and reduces the selected writing speed if necessary. This prevents a buffer underrun. Recorders with a feature to prevent buffer underruns do not require a speed test. Not available when saving with Nero Image Recorder.

Check box **Simulation**	Performs all steps in the burn process without using the laser beam. We recommend running a simulation if you are de-compressing data before burning, e.g. when burning an Audio CD from MP3 files. You can assume that if simulation is successful, the burn process will also be successful. Not available when saving with Nero Image Recorder.
Check box **Write**	Starts the actual physical burn process (e.g. after a simulation). This box is checked by default.
Check box **Remove silence at end of *.cda tracks**	Removes silence from the end of an audio file. This check box is selected by default. Audio data is stored in blocks even if you do not always finish at the end of a block limit. The last block is filled with silence when needed. Available for Audio CDs only.
Check box **Create for US TV standard**	Generates a CD compatible with most US DVD players. Available for Video CDs and Super Video CDs only.
Check box **Video Files**	If the check box is selected, Nero Express looks for FourCC codes in AVI files during the burn process and replaces them. The original files are not modified. The compatibility of MPEG-4 video files ("DIVX") with MPEG-4 compliant DVD players can be increased. Only available if your project includes videos in AVI format.

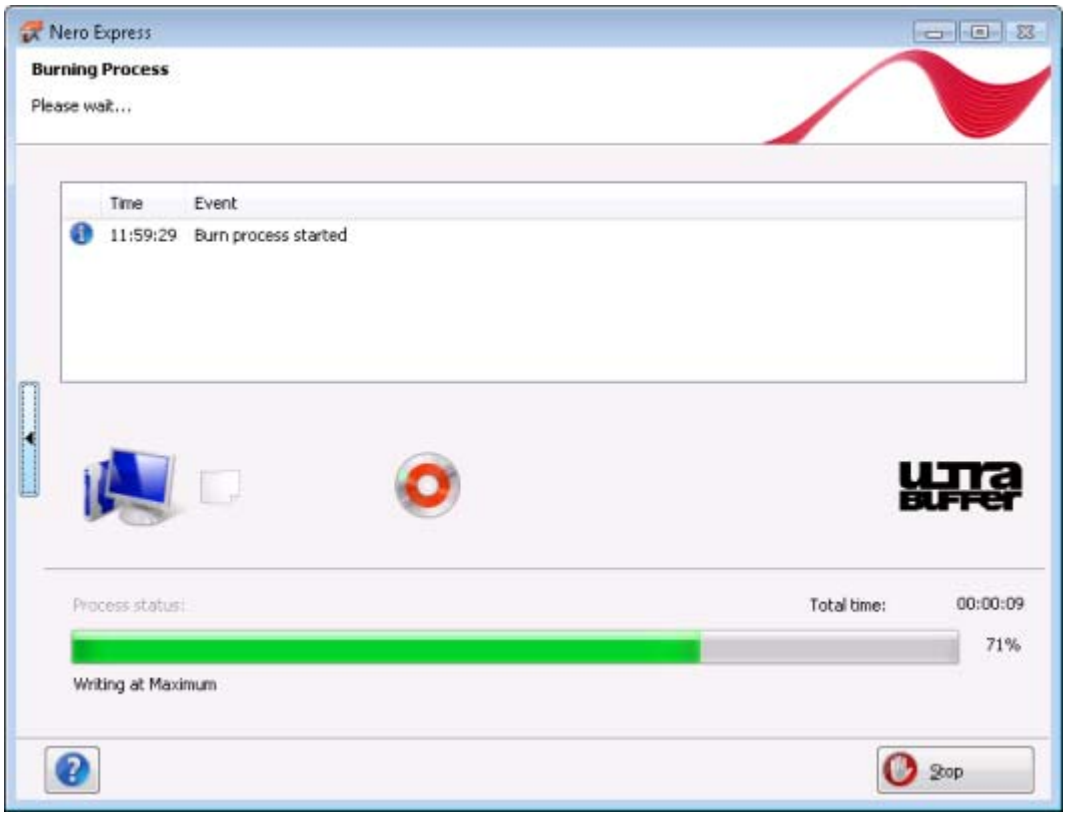
11.4 Burning with Nero Image Recorder – Creating an image file

To set the burn settings according to your requirements and to save your project as an image file to the hard drive using Nero Image Recorder, proceed as follows:

Nero Image Recorder must be activated before it appears in the drop-down menu.

1. Compile a project of your choice.
   → The **Final Burn Settings** screen opens.
2. Select the Image Recorder option from the **Current Recorder** drop-down menu.
3. Add to the required values in the input fields.
4. Add to the required settings in the extended area as necessary.
5. Click the **Burn** button.
   → The Burning Process screen appears and the **Save Image File** dialog box opens.

6. Enter a name for your image file in the **File Name** input field.
7. Select the desired storage location in the navigation tree and click the **Save** button.
   → The burn or save process starts. You can follow the process status in the status bar. As soon as the burn or save process is finished, the **Nero Express** dialog box opens and displays a message about the result of the burn process.



Burn progress window

8. Click the **OK** button.
9. If you would like to print or save a log of the burn process, click either the **Print** or **Save** button.
10. Click the **Next** button.
    → You have successfully saved a project with Nero Image Recorder and can now continue by selecting another option from the final screen or by exiting Nero Express.

12 Copying CDs/DVDs

12.1 Copying methods

Nero Express can be used for copying discs. There are two methods for this:

- On-the-fly
- Copy Over Image

Each method has advantages and disadvantages which will depend on your requirements.

12.1.1 On-the-fly

When using the on-the-fly method, insert the original disc into a drive and a recordable disc into the drive. The original disc in the drive is copied immediately without any time delay to the blank disc in the recorder. The on-the-fly method allows you to copy discs very quickly, and does not require any additional space on the disc.
In order to be able to use the on-the-fly method, you will need at least two drives: one for reading the disc and a disc burner for writing. The following requirements apply to the read drive and disc burner:

- The disc burner must feature buffer underrun protection, or the drive must be capable of delivering the data sufficiently quickly. The read speed should be at least twice as fast as the write speed.
- The read drive must be capable of delivering information on the number and type of sessions, otherwise Nero Express may not be able to produce an exact copy.

If you want to copy Audio CDs, we recommend the copy image method because the quality of the read audio files can suffer depending on the drive.

12.1.2 Copy image

With the copy over image method, an image of the original disc is saved to a file first. The image file is then burned to a blank disc. Copying using copy over image takes longer, but it often produces better results.
You must have sufficient storage space to use the copy over image method.

The copy over image method is particularly suitable in the following situations:

- Only one drive is available.
- You would like to make several copies of the same disc.
- You think it likely that read errors may have occurred on the source CD (for example because it is scratched).
- You attach importance to the best possible reproduction (particularly in relation to index positions and the quality of Audio CDs).

12.2 Copying CDs/DVDs

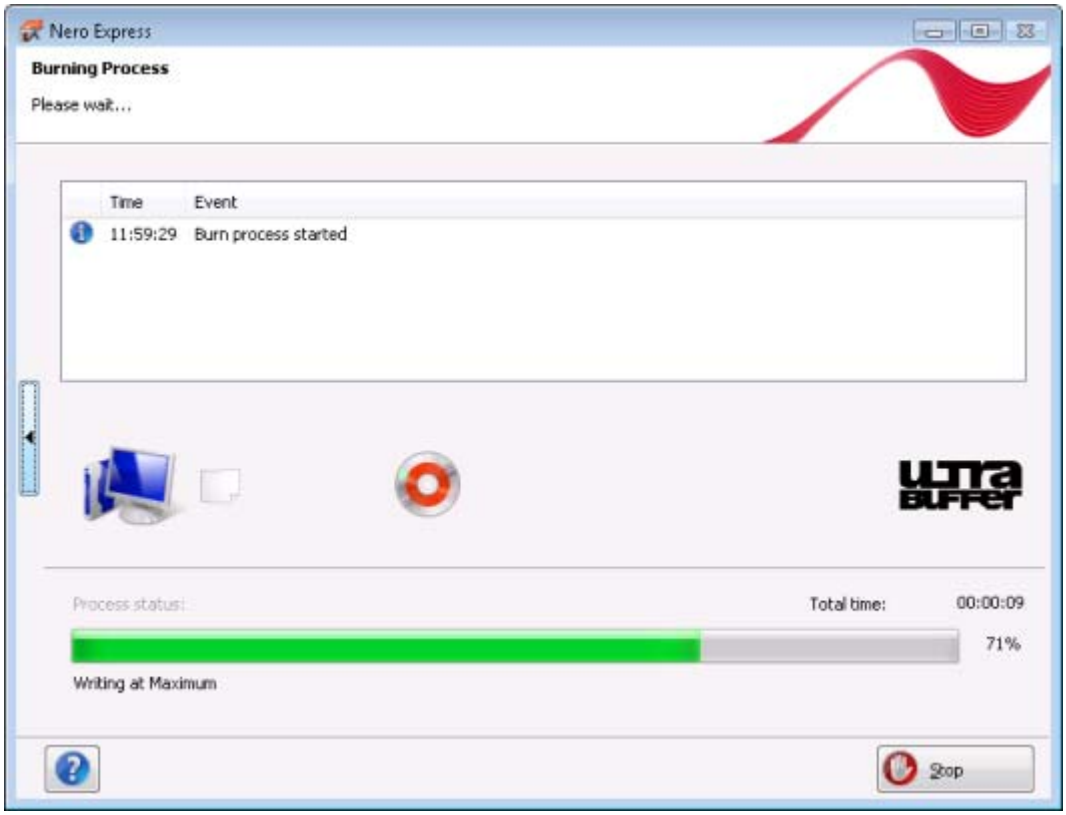
To copy a disc, proceed as follows:

If you are not in possession of the copyright for the relevant CD/DVD and do not have authorization from the owner of the copyright, unauthorized copying of CDs violates national and international legislation.

Copy-protected Audio CDs cannot be copied using Nero Express.

Some CDs/DVDs are copy-protected and cannot be copied. If you are not sure whether your CD/DVD can be copied, activate simulation before commencing the actual physical burn process.

1. Click the **Image, Project, Copy** menu icon in the Nero Express start screen.
   → The corresponding copy options appear.
2. Click the option you require, **Copy Entire CD** or **Copy Entire DVD**.
   → The **Select source and destination** screen appears.
3. Make the desired settings in this screen and, if required, in the extended area of the window.
4. If you want to use the **Copy Image** method, e.g. because you have only one drive:
   1. Disable the **On-the-fly** check box.
   2. Insert the disc that you want to copy into the recorder.
5. Click the **Copy** button.
   → If you are copying via the drive, the copy process starts. If you are using Nero Image Recorder, the **Save Image File** dialog box opens:
6. Enter a name for your image file in the **File Name** input field.
7. Select the relevant storage location in the **Save to** navigation tree and click the **Save** button.
   → The copy and/or save process starts. You can follow the process status in the status bar. If you are using a single drive for copying, you will be prompted to remove the source CD/DVD and to insert a suitable blank disc after the image file has been written. The burn process then starts automatically.



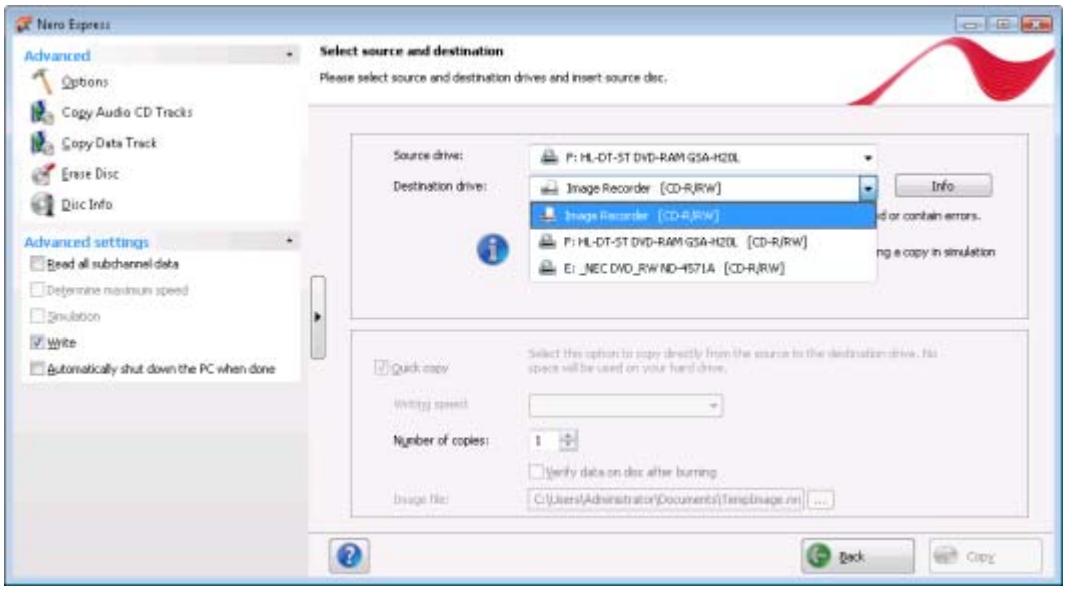
Copy Process screen

8. Click the **Next** button.
   ➔ You have successfully copied a CD/DVD and can now continue by selecting another option from the final screen or by closing Nero Express.

See also:

Final screen→ 61

12.3 Copy settings



Copy CD/DVD screen

The following configuration options are available in the the **Select source and destination** screen:

Selection list **Source drive**	Defines the drive from which the source information is read. Insert the CD or DVD that you want to copy into the drive.
Selection list **Destination drive**	Creates the destination drive. Insert a blank disc into this drive.
Button **Info**	Opens the **Recorder Information** dialog box. This contains information on the selected destination drive.
Check box **On-The-Fly**	Enables direct copying from the source to the destination drive. Data is not buffered on the hard drive during this process. The option On-the-fly is only available if there are at least two drives connected (does not apply for Nero Image Recorder). If this check box is not selected, an image file will be created first, which is then burned.
Selection list **Write speed**	Defines the speed at which the CD is burned. Only the burn speeds that are supported by the selected recorder are displayed. Not available for Nero Image Recorder.
Input field **Number of copies**	Defines the number of copies you require.

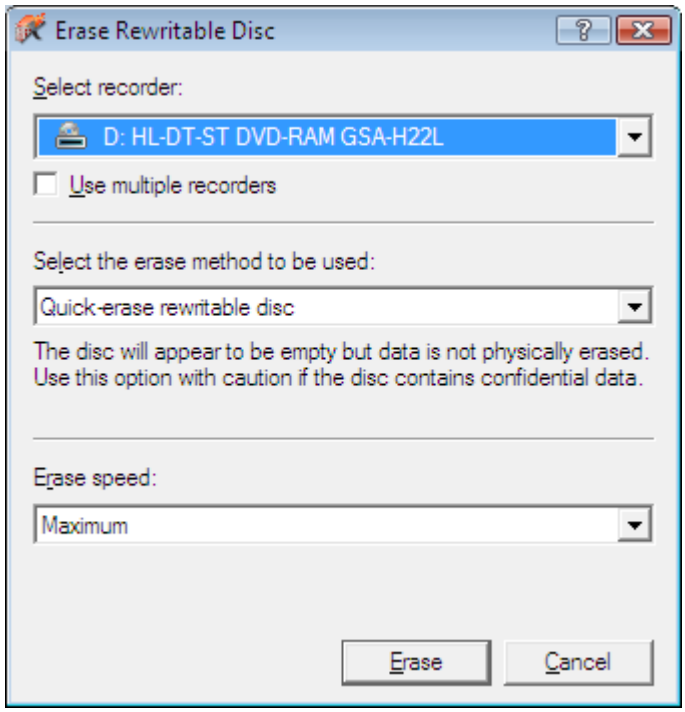
Check box **Verify data on disc after burning**	Verifies whether the burned data is identical to the original data. Not available for Nero Image Recorder.
Button **Image file**	Defines the folder where the image file is stored. You can change the name of the image file and target folder. Not available for Nero Image Recorder.

The following configuration options are available in the extended area:

Check box **Read all subchannel data**	Reads all subchannel data during copying. Subchannel data is used to save additional information, e.g. CD Text.
Check box **Determine maximum speed**	Not available for Nero Image Recorder.
Check box **Simulation**	Performs all steps in the burn process without using the laser beam. You can assume that if simulation is successful, the burn process will also be successful. Not available for Nero Image Recorder.
Check box **Writing**	Starts the actual physical burn process (e.g. after a simulation). This box is checked by default.

13 Erase Rewritable Disc window

Nero Express can be used to erase rewritable discs, i.e. discs with the RW specification, as long as your recorder supports this feature. Two erase methods are available for this purpose:
Quick erasing does not remove the data physically from the disc, but instead only makes it inaccessible by erasing the references to existing content. The data can be restored!
Full erasing removes the data from the disc by overwriting it with zeroes. The contents cannot be restored with conventional methods. Repeated full erasing increases the probability that third parties will not be able to reconstruct the contents.



Erase Rewritable Disc window

The following configuration options are available in the **Erase Rewritable Disc** window :

Selection list **Select recorder**	Defines the desired recorder.
Check box **Use multiple recorders**	Simultaneously erases CDs/DVDs in multiple recorders.

Selection list **Select the erase method to be used**	Defines the erase method. Two options are available: The **Quick-erase rewritable disc** method does not physically erase the disc fully, but only the references to the contents. The disc will appear to be empty even though the data is still physically available. Erasing a disc using this method takes between one and two minutes. The **Full-erase rewritable disc** method physically erases all data from the disc. The contents cannot be restored with conventional methods. Repeated full erasing increases the probability that third parties will not be able to reconstruct the contents. Erasing the disc using this method takes longer than the other method, depending on the type of disc involved.
Selection list **Erase speed**	Defines the erase speed.
Button **Erase**	Starts the erase process.
Button **Cancel**	Cancels the action and closes the window.

14 Final screen

Once you have successfully concluded the burn or save process with Nero Express, the final screen is displayed with the options **Burn same project again**, **New project**, **Cover Designer**, and **Save Project**. You can select one of these options to continue working with Nero Express or you can click the ❌ button to exit the program.

The following setting options are available:

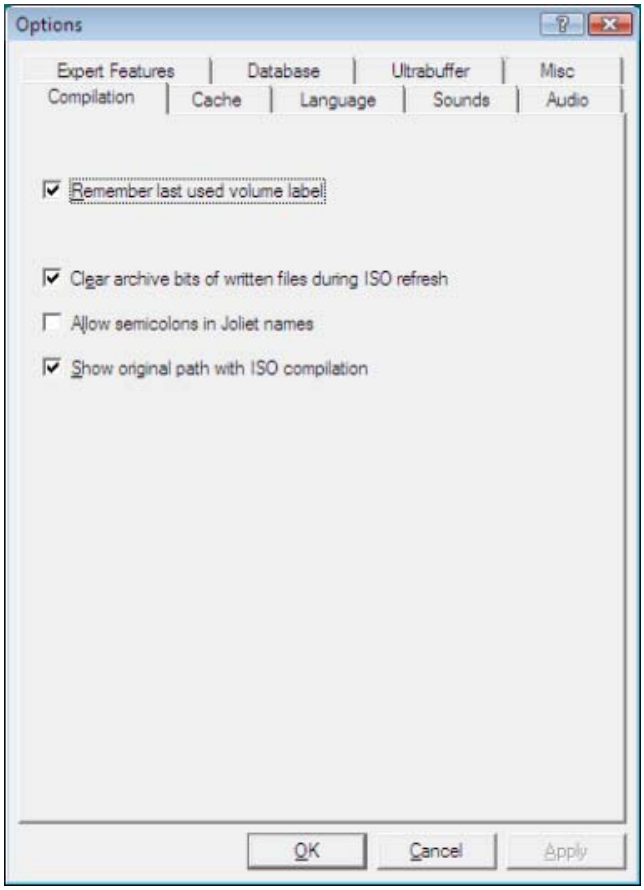
Entry **Burn the same project again**	Returns to the **Final Burn Settings** screen. You can burn the same project again with the same or different settings.
Entry **New project**	Opens the Nero Express start screen. You can create a new project here.
Entry **Nero CoverDesigner**	Opens Nero CoverDesigner. Please see the separate Nero CoverDesigner user manual for full instructions on how to make professional looking covers and labels.
Entry **Save project**	Opens the **Save As** dialog box. You can save the current project if you want to access it again later.

See also:

Loading a disc image or saved project→ 38

15 Configuration options

You can define options for working with Nero Express in the **Options** window.



Options Window

The following tabs are available:

Compilation	Contains options for the compilation and the selection screen.
Cache	Contains options for the cache.
Font	Contains selection options for the font.
Sounds	Contains selection options for sounds in connection with burn tasks.
Audio	Displays the directory for the audio plug-ins.
Expert Features	Contains options for configuring overburning and burning. We recommend that you retain the default settings.
Database	Shows the path to the local Audio CD database and offers the option to use the Internet database.

Ultrabuffer	Defines the size of the RAM buffer.
Misc.	Contains options for configuring compilations, burning, the database, the user interface as well as advanced settings.
LightScribe	Contains options for configuring LightScribe recorders such as the print contrast (quality), default drive, and default template. This tab is only available if a LightScribe recorder has been installed.

15.1 Settings for the compilation

The following configuration options are available on the **Compilation** tab:

Check box **Remember last used volume label**	Makes available the title for the next disc.
Check box **Clear archive bits of written files during ISO refresh**	Deletes the archive bits of saved files.
Check box **Allow semicolons in Joliet names**	Allows the use of semicolons in addition to standard uppercase and lowercase letters and Unicode characters (and German umlauts) in file names in the Joliet file system.
Check box **Show original path with ISO compilation**	Lists the full path of the added files in the compilation screen in the **Source** column.

15.2 Cache settings

The following configuration options are available on the **Cache** tab:

Input field **Path for cache**	Displays the path of the Cache memory. You can enter the path manually or select the path in the browser window.
Button **Browse**	Opens a browser window. You can select a folder in which data is buffered before and during the burn process.
Input field **Minimum hard disc space that should not be used by Nero**	Defines a storage volume that is not used by Nero Express.

Check box **Drag and drop from CD-ROM drive**	Saved files that have been copied from a CD-ROM drive in the clipboard.

15.3 Expert Features

The following configuration options are available on the **Expert Settings** tab:

Check box **Enable Disc-at-once CD over-burning**	Enables additional options and defines settings for the entire burn process.
Option button **Relative maximum/minimum overburning size**	Defines how much a disc can be overburned.
Check box **Enable DVD overburning**	Enables the option that DVDs can be overburned.
Check box **Enable generation of short lead-out**	Enables the option to write additional data to your CD. This feature is only available if the **Enable Disc-at-once CD overburning** option is enabled.
Check box **Do not eject disc after burning**	Enables the option that your disc remains in the recorder and is not ejected when the burn process is finished.
Check box **Enable all supported recorder formats for image recorder**	Enables the option that all supported recorder formats for the Image Recorder are available.

15.4 Ultrabuffer settings

The following configuration options are available on the **Ultrabuffer** tab:

Selection list **Method**	Defines the memory capacity that Nero Express uses as a RAM buffer. The ultrabuffer is a second memory that enhances the physical buffer in the recorder.
Input field **Data buffer size**	Defines the memory capacity that can be manually entered. The input field is only enabled when **Manual Configuration** is selected in the selection list.

15.5 LightScribe settings

The following configuration options are available on the **LightScribe** tab:

Area **Print contrast**	Adjusts the desired print quality.
Selection list **Default LightScribe drive:**	Selects the drive with the LightScribe recorder.
Selection list **Genre**	Specifies the genre.
Selection list **Current template**	Defines a template for labels.
Selection list **Default print resolution (DPI):**	Adjusts the desired print resolution.
Check box **Printing LightScribe labels**	Enables the option to automatically burn a LightScribe label. This tab is only available if a LightScribe recorder has been installed.

16 Technical Information

16.1 System requirements

Nero Express is installed along with the Nero Suite. Its system requirements are the same. You can find more detailed information on the system requirements under www.nero.com.

- In addition, the following requirements apply:

  Using LightScribe Direct Disc Labeling

  Your computer requires the latest LightScribe system software when using a CD or DVD recorder with LightScribe support.

  If you have downloaded and installed an updated Nero version from the Nero website, install the LightScribe system software separately. You can find the latest version at www.nero.com/link.php?topic_id=114&gen_id=8.

- Optional: LightScribe capable burner (LightScribe host software must be installed) and LightScribe capable disc
- Optional: Labelflash capable recorder and Labelflash disc
- Optional: Blu-ray capable recorder and Blu-ray disc
- Optional: SecurDisc capable drive

16.2 Formats supported

16.2.1 Disk types

- CD
- DVD

You can find more information on Blu-ray support at www.nero.com/link.php?topic_id=416.

The actual entries that are available, and the actual disc types (e.g. **DVD**) that can be written to depend on the recorder used.

16.2.2 Disc formats

- Audio CD
- Mixed mode CDs
- CD EXTRA
- Video CD (VCD)
- Super Video CD (SVCD)

- miniDVD
- Audiobook CD
- DVD-Video

16.2.3 Audio formats and codecs

- Advanced Audio Coding (AAC, M4A, MP4)
- Audible Audiobook (AA)
- Audio Interchange File Format (AIFF, AIF)
- Compact Disc Digital Audio (CDA)
- Musical Instrumental Digital Interface (MIDI, MID)
- MP3 / mp3PRO
- Moving Picture Experts Group-1 Audio Layer 3 (MP3)
- Moving Picture Experts Group-1 Audio Layer 2 (MP2)
- Moving Picture Experts Group-4 (MP4)
- Nero Digital (MP4)
- OGG Vorbis (OGG, OGM)
- Recource Interchange File Format WAVE (WAV, WAVE)
- Windows Media Audio (WMA)

16.2.4 Metadata

- Advanced Streaming Format (ASF)
- Audio Video Interleave (AVI)
- Moving Picture Experts Group-1 Audio Layer 3 (MP3)
- Nero Digital (MP4)
- OGG Vorbis (OGG, OGM)
- Recource Interchange File Format WAVE (WAV, WAVE)
- Windows Media Audio (WMA)
- Windows Media Video (WMV)
- ID3 Tags (v1.1/v2)
- Joint Photografic Expert Group (JPEG, JPG, JPE)
- Portable Network Graphics (PNG)
- Bitmap (BMP)
- Graphics Interchange Format (GIF)
- Tagged Image File Format (TIFF, TIF)
- Moving Picture Experts Group-1 Audio Layer 3 (MP3)

16.2.5 Video formats and codecs

- Advanced Streaming Format (ASF)
- Audio Video Interleave (AVI)
- Digital Video (DV)
- Moving Picture Experts Group-2 (MPG, MPEG, DAT, M2T)
- Moving Picture Experts Group-4 (MP4)
- Nero Digital (MP4)
- QuickTime Movie (MOV)
- Video Object (VOB)
- Packet Video Audio (PVA)
- Television Input/Video Output (TIVO)

16.2.6 Image formats

- Bitmap (BMP)
- Device Independent Bitmaps (DIB)
- Graphics Interchange Format (GIF)
- Icon Image File (ICO)
- JPEG File Interchange Format (JFIF)
- Joint Photografic Expert Group (JPEG, JPG, JPE)
- Picture Exchange (PCX)
- Portable Network Graphics (PNG)
- Portable Pixel Map (PPM)
- Targa Image File (TGA)
- Tagged Image File Format (TIFF, TIF)
- Windows Media File (WMF)
- X-Quiktime (QTI,QTF, QTIF) - read only

16.2.7 Formats for Playlists

- Moving Picture Experts Group Audio Layer 3 Uniform Resource Locator/MP3 URL (M3U)

16.3 Versions of Nero Express

Nero Express is available in three different versions: Nero Express, Nero Express Essentials and Nero Express Essentials SE. Nero Express and Nero Express Essentials offer the full range of features. Only Nero Express Essentials SE does not offer the following features:

- Unrestricted encoding in Nero Digital Audio format
- Creating and burning Super Video CDs

- Linking to Nero CoverDesigner
- Saving audio files
- Erasing rewritable CDs/DVDs
- Retrieving disc information
- Creating labels with LightScribe (not included in standard functionality)
- Creating labels with Labelflash (not included in standard functionality)
- Burning SecurDisc data CDs/DVDs with SecurDisc (not included in standard functionality)
- Music title recognition with Gracenote (not included in standard functionality)

17 Glossary

Archive Bit
Archive bits are used to identify files that have been edited. A file is only resaved during the next backup process if it was edited (and an archive bit is thus reset).

Audio CD
An Audio CD can contain up to 74 minutes of audio sequences and individual tracks in hi-fi quality. The storage capacity is 747 MB at a sample depth of 16 bit and a scan rate of 44.1 kHz.

Block
A block refers to the smallest information unit on a CD-ROM or hard drive that is addressable in one access and that is indicated in bits or bytes. Several blocks are combined into a sector.

Blu-ray
Blu-ray technology refers to burning on special data carriers. In comparison to DVD's, which use a red laser in order to read and write data, Blu-ray discs are written with a blue laser. The shorter wavelength (405 nm) of this blue laser makes it possible to position the laser with greater accuracy. Data can be written in a more compact manner and takes up less space on the disc. A Blu-ray disc can store up to 25 GB on a single layer disc and up to 50 GB on a dual layer disc.

Book Type
The book type defines the specification (e.g. DVD-, DVD+, DVD-ROM) of a DVD. In order to ensure correct playback, the DVD specifications are defined in books so that all media can be read correctly. The specifications are defined in the so-called Rainbow Books, which are distinguished by means of their color (e.g. Yellow Book).

Buffer
A buffer refers to temporary memory that records and delivers data that cannot be processed immediately as required. The buffer also allows for continuous data flow.

Buffer Underrun
A buffer underrun is an interruption in the data flow in the internal memory (e.g. of the recorder). A buffer underrun results from an interruption in the data flow to the internal buffer. The buffer continues to deliver data until it is finally empty. When recording, data is fed continuously to the recorder's buffer in order to keep a steady flow of data. If the steady flow of data is interrupted, the media becomes unusable. Most modern recorders have a protective mechanism against buffer underruns.

Cache
Cache is a faster buffer that is used in various areas of a computer to access larger data volumes faster. Cache ensures a continuous flow of data.

CD-R

Compact Disc-Recordable is a technology for write-once media. The Orange Book standard defines the storage of audio data and other computer-readable data.

Disc-At-Once

Disc-At-Once refers to a method in which the laser in your recorder burns straight through in one session without turning off and on between each track. This method is best when recording Audio CDs you would like to play on your home or car stereo.

Frame

With an Audio CD, 75 sectors provide one second of played music. One sector consists of up to 98 frames; one frame contains 24 data bytes and 9 control bytes. Similarly, "frame" describes a full screen in television and video technology. Two successive half images result in a full screen within a second due to interlacing.

Image

An image refers to a single file on the hard drive that contains the image for a complete disc. A disk image can be used to create exact copies on media at a later point in time if problems occur during the write process or if no recorder is connected to your PC. The image requires as much free space on the hard drive as the contents of the original disc.

Joliet

Joliet refers to an extension of the ISO-9660 standard for file names. Joliet was designed by Microsoft in order to represent more characters. The file name can be up to 64 characters long and contain the letters A-Z, a-z, umlauts and the ß.

Label

A label refers to a label on a disc. Some drives, e.g. drives that use LightScribe or Labelflash™ technology, can transfer labels directly to special media.

Labelflash

Labelflash is a technology with which pictures and texts can be burned on the label side of a disc with a laser.

Labelflash

Labelflash is a technology with which pictures and texts can be burned on the label side of a disc with a laser.

LightScribe

LightScribe is a technology with which pictures or texts can be burned on the label side of discs with a laser.

MP3

The MPEG-1 Audio Layer 3 audio format is used to reduce the size of audio files to a fraction of their original size (factor 1:10) with little loss of quality. You can estimate about 1 MB per minute as opposed to 10 MB for the original files. This value and the quality can vary de-

pending on the complexity of the audio signal. The bit rate used can be used as a measure of quality. The higher the bit rate, the better the quality, but also the more memory required.

MPEG-1

The Moving Picture Experts Group defined this industry standard for video and audio codecs. MPEG-1 is part of the MPEG compression family and has the highest compression rate. MPEG-1 is the format for video CDs.

MPEG-2

The Moving Picture Experts Group defined this industry standard for video and audio codecs. There is little difference between MPEG-1 and MPEG-2: MPEG-2 is a broadcast standard and better for televisions that are interlaced. MPEG-2 is used as a video format for DVDs.

MPEG-4

The Moving Picture Experts Group defined this industry standard for video and audio codecs. MPEG-4 is the latest MPEG standard for video and audio. MPEG-4 combines several functions from MPEG-1, MPEG-2 and other standards. Nero Digital™ Video and Nero Digital™ Audio are based on this standard.

Multisession

A multisession refers to completing a disc in multiple cycles. After a first session has been written to the disc, information can then be added in another record because the disc has not been finalized.

On-the-fly

On-the-fly refers to a method for copying to a disc. The data is transferred directly from the original storage location to the disc to be burned. To do this, Nero uses a compilation, a small file that simply refers to the transferred data.

SecurDisc

SecurDisc refers to a security technology that protects data carriers from unauthorized access.

SVCD

A Super Video CD, abbreviated SVCD, is a CD format for movie files that uses the MPEG-2 video code to save. As a result, this disc format saves video files in a quality similar to an S-VHS video and can save up to 30 or 40 minutes of video with stereo sound on a 650 or 700 MB CD. SVCDs can be played back on an increasing number of DVD players and on the PC, if your PC has the appropriate software and a drive that can read CD-R/RW discs.

Track-At-Once

Track-At-Once refers to a write method in which each track is written to the disc individually. The writing process is interrupted briefly after each track, i.e. the laser starts again for each track. With this write method, it is only possible to continue writing to a DVD sometimes and at a later stage. There is a pause of at least 27ms between tracks, which can be disruptive for Audio CDs.

Video CD

The Video Compact Disc saves movies and audio/video data in MPEG-1 format. In doing so, the video quality from a VCD is similar to a VHS video. VCDs can store up to 74 minutes of video material including stereo sound on a 650 MB disc. Most optical PC drives and the majority of DVD players can play VCDs.

18 Index

A

Audio
- Creating an Audio CD ... 20

Audio CD
- convert ... 30
- Copy ... 54
- Identify ... 26
- Obtain Metadata ... 26
- Save to Computer ... 30

Audio file
- Fill titles ... 31
- Identify ... 26
- Normalize ... 24
- Obtain Metadata ... 26
- Save to hard drive ... 31

Audio Files
- Save ... 27

C

Conventions, manual ... 5

Copy ... 55

Copy image ... 54

Cross fade with previous track ... 22

D

Data
- Create CD/DVD ... 13

Data disc
- Copy ... 18

Data Track
- Save ... 18

Declick ... 24

E

Exit Nero Express. ... 61

F

File
- Add ... 20, 35

G

Gracenote ... 26, 27

I

ID3 ... 31

Image file
- create from data disc ... 19

Image File ... 38

Image Recorder ... 13, 48

Internet database ... 31

iPod ... 33

ISR ... 22

L

Labelflash ... 44

LightScribe ... 39
- Printing Labels ... 39

M

Manual, conventions ... 5

Music
- Audio formats ... 25
- Filter ... 23
- Indexes ... 22
- Track properties ... 21

N

Nero CoverDesigner ... 40, 42, 44

Nero Image Recorder
- burn ... 50, 52
- Image File ... 52
- Load image file ... 38

O

On-the-fly ... 54

On-the-fly copying ... 54

Options
- Configure ... 62
- Set ... 62

P

Playlist
- Create ... 33

Program
- Launching the Program ... 7
- Startup ... 7

R

Recorder
- Activating Nero Image Recorder ... 48
- burn ... 49

Nero Image Recorder 48
Select 48
Rewritable disc
Delete 59
Erase method 60
Erasing a Disc 59

S
Save 61
Save disc image 38
SecurDisc 5
Slide Show
Menu 36
Startup
Program 7
System requirements 66

T
Tracks
Save 30

V
Video
Create a VCD/SVCD 34
DVD-Video file 36
MPEG1 34
MPEG2 34
Video 34

W
Writing
Burn Settings 50
Image File 50
Nero Image Recorder 50, 52
Options 51
Recorder 49
Writing 50

19 Contact

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