

Nero Express Manual



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1. Start Successfully

1.1. 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.

With Nero Express that is included in Nero Classic you can save audio files from an Audio CD to the hard drive. In the process, the files are encoded, i.e. converted into a format that the computer can read. The Audio CD can be automatically identified with Gracenote. 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.

1.2. Versions of Nero Express

Nero Express is available in versions with different features.

The full version of Nero Express in Nero Classic, or Nero Platinum provides the complete range of functions, including multimedia features such as saving audio tracks and burning BD-Videos.

Different versions of Nero Express Essentials are available. Essentials or OEM software may differ from the full version in a more or less broad functional range. The feature limitations of your single Essentials version are determined by the contract partner from whom you purchased your copy.

Nero Express Essentials in Nero Classic may not offer the following features compared to the full version:

- Creating labels with LightScribe
- Creating labels with Labelflash
- Full SecurDisc functionality
- Audio CD compilation

- AVCHD compilations
- BDMV compilation
- DVD-Video compilation
- Jukebox compilation
- Burn from Image
- ISO support
- Copying discs
- Simultaneous burning with multiple burners
- Cross fade with previous track
- Save Tracks
- Music title recognition with Gracenote



Gracenote Plug-in

You will need the Gracenote Plug-in to identify single audio files.

You can obtain the plug-in at www.nero.com. The plug-in is already included in the full version of Nero Express in Nero Classic or Nero Platinum.

In addition, the encoding and decoding formats in Nero Express Essentials are restricted. The mp3PRO Plug-in is included as a trial version.



mp3PRO Plug-in

You will need the mp3PRO Plug-in for unlimited MP3 and mp3PRO encoding/decoding.

The plug-in can be added to Nero Classic. You can obtain the plug-in at www.nero.com. The plug-in is already included in the full version.

Nero Express in Nero BurnExpress provides basically the same feature range as the full version of Nero Express in Nero Classic or Nero Platinum.

The following features are not available:

- SecurDisc Surface Scan
- mp3 Pro Encoding

1.3. Working with Nero Express

The main function of Nero Express is to select files and folders and to burn them to a disc. This is done in three basic steps. For each step, a new screen is displayed:

- Select a task in the start screen.
- Select the files to be burned.
- Start the burn process.

Additionally, you can set options regarding the files in the compilation and regarding the burn process.

1.4. Starting Nero Express

There are several ways to open Nero Express, depending on various factors such as the product you have installed and the operating system you are using.

On Windows 7 and earlier versions of Windows, you can start Nero Express via:

Start (the start icon) > **(All) Programs** > **Nero** > **Nero Classic** > Nero Express

- the Nero BurnExpress desktop icon if you use Nero BurnExpress as a standalone product
- the Nero Classic desktop icon if you use Nero Classic


On Windows 8, you can start Nero Express via:

- the Nero Classic tile (Windows 8 **Start** screen) or the Nero Classic desktop icon (Windows 8 desktop) if you use Nero Classic
- the Nero Express tile (Windows 8 **Start** screen) or the Nero BurnExpress desktop icon (Windows 8 desktop) if you use Nero BurnExpress as a standalone product

2. User Interface

2.1. 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 single compilation methods.

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


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 files as Audio CD for example.
Videos	Allows you to compile and burn video files as DVD-Video for example.
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. Only available in the full version of Nero Express in Nero Classic.



The actual disc formats that are available and the actual disc types (e.g. **DVD**) to which can be written depend on the selected recorder.

2.1.1. 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. Nero Burning ROM is able to open Nero Express compilation files and Nero Express is able to open Nero Burning ROM compilation files. 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
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	project is displayed in all of the other windows at this point. Only available with Nero Classic.
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.
Save Audio Tracks	Opens the Copy Audio CDs to Hard Drive to copy audio files from CD to the hard drive. Only available with Nero Classic.
Save Data Track	Opens the Select Track window in which you can save the track of a data disc as an image file.
Erase Disc	Opens the Erase Rewritable Disc window to erase data from a rewritable disc.
Disc Info	Opens the Disc Info window to display information about the inserted disc. 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 discs. Please see the separate Nero CoverDesigner user manual for full instructions on how to make professional looking covers and labels. Only available with Nero Classic.
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 discs in the recorder. Available with a Labelflash recorder only. The recorder must be selected to enable the option. Only available in the full version of Nero Express in Nero Classic.
Recorder	Defines the recorder that you want to use for burning and/or the Nero Image Recorder.

2.2. Compilation Screen

You can access the Nero Express compilation screens by selecting the compilation type you want in the start screen. You can add data to your projects in the compilation screens and customize the directory structure on the disc 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 disc. Essentially, all compilation screens have the same structure.

The following setting options are in general available in the compilation screen:

Button Add	Opens the Add files and folders window. Clicking on the little triangle allows you to open Nero MediaBrowser in order to add media files.
Button Remove	Removes the selected file.
Button Play	Plays a selected audio or video file.
Button Back	Returns to the start screen.
Button Next	Switches to the Final Burn Settings screen.

The following setting options are additionally available for **Audio CD** compilation:

Button Properties	Opens the Audio Track Properties window for Audio CDs.
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.
Check box No pause between tracks	Establishes that the audio files merge into one another without a pause. If the check box is cleared, a pause of two seconds is inserted between the files. We strongly recommend using the disc-at-once burn mode. Otherwise the zero pause length may not be supported by all recorders and/or a very short clicking noise may be heard between tracks.

The following setting option is additionally available for all **DVD** compilations:

Selection list DVD9 (8.5 GB) / DVD5 (4.7 GB)	Allows you to expand or shrink the capacity bar according to the type of DVD you are going to burn. Choose the DVD9 (8.5 GB) option for a double layer DVD (DVD DL) and DVD5 (4.7 GB) for a single layer DVD.
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The following setting option is additionally available for all **Blu-ray** compilations:

Selection list BD QL (BDXL) (128 GB) / BD TL (BDXL) (100 GB)	Allows you to expand or shrink the capacity bar according to the type of Blu-ray Disc you are going to burn: BD QL (BDXL) (128 GB) for a quadruple layer Blu-ray Disc, BD TL (BDXL) (100 GB) for a triple layer Blu-ray Disc,
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BD DL (50 GB) / BD (25 GB)	BD DL (50 GB) for a double layer Blu-ray Disc (BD DL) and BD (25 GB) for a single layer Blu-ray Disc.
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Actual capacity of media formats

The actual capacity of the DVD5, DVD9, BD DL, and BDXL media formats is less than as stated by the disc manufacturers. For example, the actual capacity of a 4.7 GB DVD5 is around 4.38 GB only.

This is because of different conversion systems. A DVD5-media format can handle 4.700.000.000 bytes, but this number is not equal to the 4.7 GB stated by the disc manufacturers. The correct conversion factor for bytes is not 1000, but 1024:

1024 byte = 1 KB

1024 KB * 1024 KB = 1 MB


1024 KB * 1024 KB * 1024 KB = 1 GB

A DVD can handle 4.700.000.000 bytes:

4.700.000.000 bytes = 4.589.843 KB = 4.482 MB = 4.377 GB

The capacity bar in Nero Express will always show you the correct amount of bytes measured in MB or GB.

2.3. 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**, 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 Save project	Opens the Save As window. You can save the current project if you want to access it again later.

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 Burn Labelflash Label	Opens the Burn Label window in order to create and burn a Labelflash label. Only available if a Labelflash recorder is connected.

3. Burn Data Discs

3.1. Burn CD/DVD/Blu-ray

With Nero Express you can compile and burn all types of files and folders. If a Blu-ray recorder is installed on your computer you can burn data CDs, data DVDs and data Blu-ray Discs. If you have a CD recorder you can only burn data CDs. The procedure for all data compilation methods is identical.

A data disc is particularly useful for storing files on a disc and for burning backups.

To create a data disc, proceed as follows:

1. Click the **Data** menu icon in the Nero Express start screen.
 - The data disc options are displayed.
2. Click the option you require: **Data CD**, **Data DVD**, or **Blu-ray Data Disc**.
 - The **Disc Content** compilation screen for data discs is displayed.
3. If you want to add files using your browser:
 - a. Click the **Add** button.
 - The **Add files and folders** window is opened.
4. If you want to use Nero MediaBrowser to add media files:
 - a. Click the triangle next to the **Add** button and choose **Add > File from Nero MediaBrowser**.
 - Nero MediaBrowser is opened.
5. Select the files that you want to add to the compilation and click the **Add** button.
6. Repeat the previous step for all files that you want to add.
7. Click the **Close** button.
 - The files are added to the compilation and displayed in the compilation screen.
8. Click the **Next** button.
 - You have successfully compiled a data disc and can now burn this compilation.

3.2. Burn a SecurDisc

SecurDisc is a technology with which you can create discs with special protection properties. No special hardware is needed.

Discs that are created with Nero Express and the SecurDisc compilation type include data integrity and reconstruction. Additional SecurDisc features include the possibility to protect the data on your disc against unauthorized access using a password, to digitally sign the disc, and to configure the data redundancy.

To be able to copy the protected data to your hard drive and to check the security of the data you will need a special application named Nero SecurDisc Viewer. The Nero SecurDisc Viewer is burned automatically to the SecurDisc disc and can be downloaded free of charge at www.securdisc.net or www.nero.com.



More information on SecurDisc technology can be found at www.securdisc.net.



This function is limited in the Essentials version. The full version offers unlimited password protection, unlimited data redundancy, and the digital signature feature.

You can always upgrade your Essentials version at www.nero.com to get the full version with all the functions.

To compile a SecurDisc disc, proceed as follows:

1. Click the **Data** menu icon in the Nero Express start screen.
 - The data disc options are displayed.
2. Click the SecurDisc option you require.
 - The **Disc Content** compilation screen for SecurDisc discs is displayed.
3. If you want to add files using your browser:
 - a. Click the **Add > Files** button.
 - The **Add files and folders** window is opened.
4. If you want to use Nero MediaBrowser to add media files:
 - a. Click the triangle next to the **Add** button and choose **Add > File from Nero MediaBrowser**.
 - Nero MediaBrowser is opened.

5. Select the files that you want to add to the compilation and click the **Add** button.
 6. Repeat the previous step for all files that you want to add.
 7. Click the **Close** button.
- The files are added to the compilation and displayed in the compilation screen.
8. If you want to enable the password protection for all files:
 - a. Select the **Password protection** check box in the extended area of the compilation screen.

➤ The **SecurDisc – Protect Data** window is opened.

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

➤ A lock symbol shows that all data is protected.



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.

9. If you want to sign the disc with a digital signature:
 - a. Select the **Digital signature** check box in the extended area of the compilation screen.

➤ The **SecurDisc – Digital Signature** window is opened.

 - b. If you have already created a digital key, click the **Browse** button and select the key.
 - c. If you want to create a digital key, click the **Start** button.

➤ The **SecurDisc – Create Digital Key** window is opened.

 - d. Read the instructions and click the **Next** button.

➤ The **SecurDisc Key Creation Process** window is opened.

 - e. Move your mouse at random until the creation process is complete.

➤ Nero Express uses the random data to create the SecurDisc key. 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.

- f. Click the **Next** button.
- The **SecurDisc – Key Creation Completed** window is opened.
- g. Enter a file name for the key you have created and click the **Finish** button.
- The **SecurDisc – Digital Signature** window is opened again and the selected key appears in the drop-down menu.
- h. Click the **OK** button.
- The corresponding window is opened to inform you that the disc is being digitally signed with the selected key.
- i. Click the **OK** button.



You can pass on the relevant public key to recipients to enable them to verify the signature.

10. If you want to enhance the burning speed by limiting the data redundancy or to configure the data redundancy:

- a. Select the **Data redundancy** check box in the extended area of the screen.
- The option buttons are enabled.
- b. Select the desired reliability level.



If the **Data redundancy** check box is cleared, the disc will be filled completely with copies of the chosen data and checksums. A display panel in the compilation screen indicates the current redundancy level.

11. Click the **Next** button.

- You have compiled a SecurDisc disc with settings according to your requirements and can now burn the disc.

3.2.1. About Nero SecurDisc Viewer

Nero SecurDisc Viewer is a standalone application that is part of the SecurDisc technology platform. SecurDisc is a technology developed by Nero and HLDS to create discs with special protection properties. No special hardware is needed.

Nero SecurDisc Viewer is available as a free download at www.securdisc.net or www.nero.com and is also included automatically in a SecurDisc disc that is burned with Nero Burning ROM or Nero Express.

Discs that are created with Nero and the SecurDisc compilation type include data integrity and reconstruction. Additionally, the data on the SecurDisc disc can be protected against unauthorized access by using a password. The data can also be digitally signed. Nero SecurDisc Viewer allows you to copy the protected data to your hard drive and to check the security of the data.



More information on SecurDisc technology can be found at www.securdisc.net.

3.3. Saving Data Track

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 Track** button in the extended area of the start screen.
- The **Select Track** window is opened. The track list 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.
3. Select the first data track.
4. Click the **Save Track** button.
- The **Save As** window is opened.
5. Select a file name and a storage location.
6. Select the desired output format (ISO or NRG) for the image file in the **Save As** drop-down menu.
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 is closed automatically.
- You have successfully created an image file starting from a data disc. Now you can burn the image file to a disc.

4. Rip and Burn Music

4.1. Create Audio CD



Some of the functions mentioned here are restricted or not available in the Essentials version. You can always upgrade your Essentials version at www.nero.com to get the full version with all the functions.

With Nero Express you can create an Audio CD that contains music files. It can be played in all standard CD players. To compile an Audio CD, source files with different audio formats are automatically converted into Audio CD format before being burned.



Some CD players cannot play CD-RWs. Use CD-R discs to burn Audio CDs.



The encoding and decoding formats in the Essentials version are limited. You can always upgrade your Essentials version at www.nero.com to get the full version with all the functions.



mp3PRO Plug-in

You will need the mp3PRO Plug-in for unlimited MP3 and mp3PRO encoding/decoding. The plug-in can be added to Nero Classic. You can obtain the plug-in at www.nero.com. The plug-in is already included in the full version.

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 the **Audio CD** button.
 - The **My Audio CD** compilation screen for Audio CDs is displayed.
3. If you want to add files using your browser:
 - a. Click the **Add > Files** button.
 - The **Add files and folders** window is opened.
4. If you want to use Nero MediaBrowser to add audio files:

- a. Click the triangle next to the **Add** button and choose **Add > File from Nero MediaBrowser**.
- Nero MediaBrowser is opened with the **Music** tab enabled.
 5. Select the audio file that you want to add to the compilation and click the **Add** button.
 6. Repeat the previous step for all audio files that you want to add.
 7. Click the **Close** button.
 - The audio files are added to the compilation and displayed in the compilation screen.
 8. Customize the properties of the audio files to suit your requirements.
 9. Click the **Next** button.
 - You have successfully compiled an Audio CD and can now burn this compilation.

4.1.1. 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.

4.1.1.1. Track Properties Tab

On the **Track Properties** tab, you will find basic information on the selected file in the **Source information** area. To open the window, mark an audio file in the compilation screen for Audio CDs and click the **Properties** button.

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. Only Latin characters can be displayed as CD TEXT. CD TEXT can only be written in disc-at-once mode.
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. Only Latin characters can be displayed as CD TEXT. CD TEXT can only be written in Disc-At-Once mode.
Input field Pause	Defines the length of the pause in seconds or frames between the selected audio file and the previous one.

Input field International Standard Recording Code (ISRC)	Identifies the CD title using a 12-character digital code. The ISRC is entered in the sub code and included silently. If you do not know the ISRC, you should leave this input field blank.
Check box Protection	Sets the copy protection bit for the corresponding track on the Audio CD. As most CD recording applications simply ignore this bit, copy protection cannot be ensured. A warning message will be opened in Nero Express while copying an Audio CD with copy protected tracks.
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.

4.1.1.2. Indexes, Limits, Split Tab

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.

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 Edit track limit 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 Play	Plays the audio file from the marked position. During playback, the Stop playing button is displayed.
Button Stop playing	Stops playback of the audio file. If playback is stopped, the Play button is displayed 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.

4.1.1.3. Filters Tab

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 on hard drive are not modified during this procedure.

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.

4.2. Create Jukebox Disc

Nero Express can be used to compile discs with audio formats you require (e.g. Nero AAC 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 a 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. In contrast to data disc, a jukebox disc can display metadata (title, artist, genre, ...) about the audio file.



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.

From a technical point of view, a compilation of special audio formats is a data disc. There is no difference between creating a jukebox disc and creating a data disc. Please be sure to select the corresponding entry in the start screen.

4.3. Rip Audio CD

With Nero Express you can save audio files from an Audio CD to 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.

Nero Express obtains information about metadata such as title, artist, and track title from different sources. You can check exactly what metadata will be written into the audio files.

Metadata about the Audio CD is available from different sources: The Audio CD's own CD TEXT, and Gracenote Media Database.



The Gracenote Media Database holds metadata about many Audio CDs. With Gracenote MusicID Nero Express can identify the Audio CD and access metadata from the Gracenote Media Database.



Many Audio CDs contain CD TEXT which includes metadata such as the title of the CD, the name of an audio file or the name of an artist.



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.



The encoding and decoding formats in the Essentials version are limited. You can always upgrade your Essentials version at www.nero.com to get the full version with all the functions.



mp3PRO Plug-in

You will need the mp3PRO Plug-in for unlimited MP3 and mp3PRO encoding/decoding. The plug-in can be added to Nero Classic. You can obtain the plug-in at www.nero.com. The plug-in is already included in the full version

To save audio files, proceed as follows:

1. Click the **Save Audio Tracks** button in the extended area of the screen.
- The **Save Audio Tracks to Hard Drive** window is opened.
2. Insert your Audio CD into a drive.
- The disc is being analyzed. Metadata information is obtained from Gracenote, CD TEXT and the local database and displayed, if available.
3. Select the metadata information for your Audio CD from the **CD** drop-down menu.
4. Select the tracks that you want to save on the hard drive.
5. Click the **Output** tab.
- The **Output** tab is opened.
6. Select the target file's audio format in the **File Format** drop-down menu.
7. Choose a method for creating the file name in the **Mode for Creating File Names** drop-down menu.
8. Define other settings according to your preferences.

9. Click the **Copy** button.

- Conversion starts. A folder with the album name is created in the desired folder. The audio files are saved in this folder and named according to the method you chose.
- You have saved audio files.

4.3.1. Copy Audio CDs to Hard Drive

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




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.

4.3.1.1. 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.
Drop-down menu CD	Selects from which source metadata is used:  Gracenote Media Database  CD TEXT  Your local database (only available if you have ripped or copied the Audio CD before)
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	Obtains all available information again. Nero Burning ROM 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. Also, CD TEXT and information from your local database, if available, are obtained.
Input fields Album / Album Artist / Year	Displays or specifies metadata for the album, album artist and year.
Selection list Genre	Displays or specifies the genre.
Button Cover	Loads a cover from your hard drive.

4.3.1.2. Output Tab

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

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. A playlist is a list of the ripped audio files in the right order with the right metadata. It is a very convenient tool – you simply have to select the playlist to add all the audio files it contains to an audio compilation or a playback application.
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. You can choose between Nero AAC Audio, MP3 Audio, WAVE, AIFF, FLAC and Ogg Vorbis .
Drop-down menu Quality	Selects the bitrate for the selected audio file format. If the bit rate is small, less data is transferred. The file is then small, but quality is lower. If the bit rate is high, more data is transferred. The file size is then large, but the quality is high. A value of 128 for MP3 files is near CD quality.

	<p>For the MP3 Audio file format, you can also select if you want to create an MP3 file or an mp3PRO file.</p> <p>Only available if you selected the Nero AAC Audio or MP3 Audio file format.</p>
<p>Check box</p> <p>Force compatibility with iPod</p>	<p>Makes Nero AAC Audio available for an iPod.</p> <p>Is only available if you selected the Nero AAC Audio output format.</p>
<p>Check box</p> <p>Disable ID3v2 Unynchronization</p>	<p>Disables the ID3v2 Unynchronization during the decoding process. ID3v2 Unynchronization is a part of the MP3 decoding process. It increases the chance that the MP3 file can be played even with old software or hardware that does not support ID3v2. However, some devices that support ID3v2 do not support ID3v2 Unynchronization. The display of images or text tags might be corrupt on such devices when playing MP3 files with unsynchronized ID3v2. Select the check box if you have encountered such problems.</p>

4.4. Gracenote 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.

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.

With Gracenote you can have audio files identified out of any sort of audio compilation. This is particularly useful when audio files are not named or are only partially named. 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



Gracenote Plug-in

You will need the Gracenote Plug-in to identify single audio files.

You can obtain the plug-in at www.nero.com. The plug-in is already included in the full version of Nero Express in Nero Classic or Nero Platinum.



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5. Copy Disc

5.1. Copy a Disc

With Nero Express you can copy a disc. That means you make an exact copy of a source disc and burn it to a target disc. If your source disc is an Audio CD, for instance, your copy will be an Audio CD as well. Depending on your installed burner, you can copy CDs, DVDs or Blu-ray Discs. The target disc must be the same disc type as the source disc - you can copy a DVD only to a DVD, for example. In any case, Nero Express will give you a message when the disc type does not fit.



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



Some discs are copy-protected and cannot be copied. If you are not sure whether your disc can be copied, activate simulation before commencing the actual physical burn process.

To copy a disc, proceed as follows:

1. Click the **Image, Project, Copy** menu icon in the **Nero Express** start screen.

The corresponding copy options are displayed.

2. Click the **Copy Disc** option.
- The **Select source and destination** screen is displayed.
3. Make the desired settings in this screen and, if required, in the extended area of the window.
 4. If you want to copy discs using the **Image Copy** method:
 - a. Clear the **Quick copy** box.
 - b. Insert the disc that you want to copy into the recorder.
 5. If you want to copy discs using the on-the-fly method:
 - a. Select the **Quick copy** check box.
 - b. Select the **Source drive** and the **Destination drive**.
 - c. Insert the disc that you want to copy into the selected drive.

- d. Insert a blank disc into the target drive.
 - e. Click the **Copy** button.
6. If you are copying via the drive, the copy process starts. If you are using Nero Image Recorder, the **Save Image File** window is opened.
 7. Enter a name for your image file in the **File Name** input field.
 8. 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 disc and to insert a suitable blank disc after the image file has been written. The burn process then starts automatically.
9. Click the **Next** button.
- You have successfully copied a disc and can now continue by selecting another option from the final screen or by closing Nero Express.

5.2. Copy an Audio CD

The **CD Information** window is displayed after you have started copying an Audio CD. Here, you can check exactly what metadata will be written on the Audio CD.

Metadata about the Audio CD is available from different sources: The Audio CD's own CD TEXT, and Gracenote Media Database:



Many Audio CDs contain CD TEXT which includes metadata such as the title of the CD, the name of an audio file or the name of the artist.



The Gracenote Media Database holds such metadata about many Audio CDs. With Gracenote MusicID Nero Express can identify music files and access metadata from the Gracenote Media Database.

During the copy process, Nero Express requests metadata from the Audio CD's own CD TEXT, from the Gracenote Media Database, and from your local database and displays them, if available. You can select which metadata will then be written to the Audio CD during the copy process. You can also change the metadata or create new Audio CD metadata. Another useful feature is that you can start creating a cover for this Audio CD with Nero CoverDesigner, the metadata will be taken over.

The following setting options are available:

CD list	Shows the available Audio CD information. CD TEXT and metadata from the Gracenote Media Database are requested and displayed, if available. If the Audio CD contains no CD TEXT, at least the track titles and the duration are displayed. You can edit the information by double-clicking the text display [F2] .
Track list of the currently selected CD	Shows the audio tracks of the Audio CD. Here, you can see in detail which information will be used for the copied Audio CD. You can edit the information by double-clicking the text display [F2] .
Button Create Cover	Opens Nero CoverDesigner. Information such as title, track number, and names of the audio files is added to the document data.
Check box Always use suggested CD information and never show this message again	If you select this check box, Nero Express will always adopt Audio CD information automatically. First, CD TEXT is used. If no CD TEXT is available on the Audio CD, a request is sent to Gracenote and Gracenote metadata is used. Applying information automatically has the advantage that copying is executed faster, but the downside is that you do not know exactly what information is copied.
Button OK	Continues copying the Audio CD using the selected Audio CD metadata.



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5.3. Methods and Settings

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

Selection list Source drive	Defines the drive from which the source information is read. Insert the disc that you want to copy into the drive.
Selection list Destination drive	Defines the destination drive. Insert a blank disc into this drive.
Button Info	Opens the Recorder Information window. This contains information on the selected destination drive.

Check box Quick copy	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 disc 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.
Display field / 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 or the lyrics of a karaoke CD. Select this check box when copying an Audio CD or a karaoke CD. The burner has to be capable of reading all the subchannel data.
Check box Determine maximum transfer rate	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. Current recorders mostly have such a feature. Not available when saving with 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 Write	Starts the actual physical burn process (e.g. after a simulation). This check box is selected by default.

Check box Automatically shut down the PC when done	Automatically shuts down the PC after the burn process has ended.
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5.3.1. On-the-fly Copying

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.

5.3.2. Copy Over 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).

6. Video Compilations

6.1. Burn DVD-Video

With Nero Express you can burn DVDs made up of premastered 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.



In Nero Express it is not possible to convert video files to DVD-Video, an AVCHD video, or a BDMV-Video. Converting video files to DVD-Video, to AVCHD video, or BDMV-Video is possible in Nero Video for example. Nero Video is included in the full version of Nero Classic. More information about Nero Video is available on the Web site www.nero.com, and more information about video editing is available in the separate Nero Video manual.

To compile a DVD-Video, proceed as follows:

1. Click the **Videos** menu icon in the Nero Express start screen.
 - The video options are displayed.
2. Click the **DVD-Video Files** option.
 - The **DVD-Video Files** compilation screen is displayed.
3. Click the **Add** button.
 - The **Add files and folders** window is opened.
4. Select the DVD-Video files that you would like to add to the compilation and click the **Add** button.
5. 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.

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

6.2. Burn AVCHD

With Nero Express you can burn an AVCHD video disc made up of AVCHD video files from your hard drive or camcorder. The AVCHD video disc can be burned to a DVD as usual, or to a Blu-ray Disc. Burning to a Blu-ray Disc has the benefit that it offers more space than a DVD.

AVCHD video on DVD is compatible to the specification of a Blu-ray Disc. However, playback is not guaranteed on all Blu-ray players.

You can use Nero Express to burn an AVCHD video disc if the complete folder structure including premastered files is already available.



In Nero Express it is not possible to convert video files to DVD-Video, an AVCHD video, or a BDMV-Video. Converting video files to DVD-Video, to AVCHD video, or BDMV-Video is possible in Nero Video for example. Nero Video is included in the full version of Nero Classic. More information about Nero Video is available on the Web site www.nero.com, and more information about video editing available in the separate Nero Video manual.

To compile an AVCHD video disc, proceed as follows:

1. Click the **Videos** menu icon in the Nero Express start screen.
 - The video options are displayed.
2. Click the **AVCHD(TM) Files (BD)** or **AVCHD(TM) Files (DVD)** option.
 - The **AVCHD(TM) Files** compilation screen is displayed.
3. Click the **Add** button.
 - The **Add files and folders** window is opened.
4. Select the AVCHD video files that you would like to add to the compilation and click the **Add** button.
5. Click the **Close** button.
 - The AVCHD video files are added to the compilation and are displayed in the compilation screen.
6. Click the **Next** button.
 - You have successfully compiled an AVCHD video disc and can now burn this compilation.

6.3. Burn BDMV

With Nero Express you can burn a BDMV-Video disc made up of BDMV (= Blu-ray Movie) files from your hard drive. You can play your burned BDMV-Video on almost all Blu-ray players.

You can use Nero Express to burn a BDMV-Video if the complete folder structure is already available.



In Nero Express it is not possible to convert video files to DVD-Video, an AVCHD video, or a BDMV-Video. Converting video files to DVD-Video, to AVCHD video, or BDMV-Video is possible in Nero Video for example. Nero Video is included in the full version of Nero Classic. More information about Nero Video is available on the Web site www.nero.com, and more information about video editing is available in the separate Nero Video manual.

To compile a BDMV-Video disc, proceed as follows:

1. Click the **Videos** menu icon in the Nero Express start screen.
 - The video options are displayed.
2. Click the **BDMV Files** option.
 - The **BDMV Files** compilation screen is displayed.
3. Click the **Add** button.
 - The **Add files and folders** window is opened.
4. Select the BD-Video files that you would like to add to the compilation and click the **Add** button.
5. Click the **Close** button.
 - The BD-Video files are added to the compilation and are displayed in the compilation screen.



Files and Folders

The BDMV-Video contains different folders. Only certain files are allowed in an individual folder. If you only have individual files, you must allocate the right files to the specific folder:

\BDMV**index.bdmv**

\BDMV**MovieObject.bdmv**

\BDMV\PLAYLIST***.mpls**

\BDMV\CLIPINF***.clpi**

\BDMV\STREAM***.m2ts**

6. Click the **Next** button.

- You have successfully compiled a BD-Video and can now burn this compilation.

7. Disc Images

7.1. Burn from Disc Image

With Nero Express you can burn a disc 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 and disc image options are displayed.
2. Click the Disc Image or Saved Project option.
 - The **Open** dialog window is opened.
3. Select the image file (*.nrg, e.g.) or saved compilation you want and click the **Open** button.
 - The selected file loads and the **Final Burn Settings** screen is displayed.
 - You have successfully loaded the image file or compilation and can now burn it.

7.2. Create and Burn a Disc Image

With Nero Express and the Image Recorder you can create disc images from every compilation. The NRG image file format can always be selected whereas the ISO image file format can only be selected from certain compilation types. Nero Express only enables the possible image file formats.

The NRG image file format was developed by Nero. In contrast to ISO, NRG can be created from every disc and compilation type. This means that even Audio CDs or multisession discs can be saved as an NRG image file.



This function is only available in the full version. You can always upgrade your Essentials version at www.nero.com to get the full version with all the functions.



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

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

1. Compile a project of your choice.
 - The **Final Burn Settings** screen is opened.

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 is displayed and the **Save Image File** dialog box is opened.
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, a window is opened and displays a message about the result of the burn process.
8. Click the **OK** button.
 9. If you would like to save a log of the burn process, click the **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.

8. About Burning

8.1. Burn Process

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.
2. Click the **Next** button.
- The **Final Burn Settings** screen is displayed.
3. Insert a suitable blank disc in the selected drive.
4. Select the recorder you want from the **Current recorder** drop-down menu.
5. Add to the desired values in the input fields as necessary and select the required check boxes.
6. Add to the desired settings in the extended area.
7. Click the **Burn** button.
- The **Burn Process** screen is displayed and the burn process starts. You can follow the process status in the status bar.
- If the **SecurDisc Surface Scan** check box is selected, the **SecurDisc Surface Scan Results** window is opened.
- Nero Express starts with the surface scan. The results are displayed in realtime.
- When the burn process has finished, a message window is opened.
8. Click the **OK** button.
9. If you would like to save a log of the burn process, click the **Save** button.
10. 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.


8.2. Burn Settings

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.

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

Button Options	Opens the Recorder Information window. 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. Not available for Audio CDs.
Input field Disc name	Defines the name of the CD/DVD. Not available for Audio CDs.
Input field Title (CD TEXT)	Defines the title of the Audio CD if CD Text is supported. Available for Audio CDs only. Only Latin characters can be displayed as CD Text. CD Text can only be written in disc-at-once mode.
Input field Artist (CD TEXT)	Defines the artist on the Audio CD if CD Text is supported. Available for Audio CDs only. Only Latin characters can be displayed as CD Text. CD Text can only be written in disc-at-once mode.
Input field Number of copies	Defines the number of copies you require. Not available 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 discs only the data that was added during the last burn process is compared. Not available when saving with Nero Image Recorder.
Check box SecurDisc Surface Scan	Checks the quality of the disc surface after the burn process. You can use this option particularly when burning backups or discs that have to be archived to ensure that the disc surface does not have any issues and that burning went well. This check box is only active if the Verify data on disc after burning check box is selected.
Check box Allow files to be added later (multisession disc)	Enables the option to write additional files to the disc. The disc is not finalized. Multisession discs do not have to be written in a single burn process. You can burn projects repeatedly to a disc until it is completely burned. Only available for data discs.

8.2.1. 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.

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 Writing 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/Session-at-once or Track-at-once write method. Using the disc-at-once method the entire disc can be burned without the write laser having to stop. With the track-at-once method the laser turns off after each track. Available for CD compilations only. By default DVDs are burned using the disc-at-once method.
Check box Determine maximum transfer rate	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. Current recorders mostly have such a feature. 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 decompressing 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 check box is selected by default.
Check box Automatically shut down the PC when done	Automatically shuts down the PC after the burn process has ended.

<p>Check box</p> <p>Remove silence at end of *.cda tracks</p>	<p>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.</p> <p>To avoid unwanted effects set the pause length to 0 when clearing this check box (to set the pause length see Track Properties Tab).</p> <p>Available for Audio CDs only.</p>
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<p>Check box</p> <p>Increase compatibility of MPEG-4 video files with MPEG-4 compliant DVD players</p>	<p>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.</p> <p>Only available if your project includes videos in AVI format.</p>
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Audio CDs should always be burned using the disc-at-once method. This entry is selected by default.

8.3. Recorder Settings

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.



Burn functions are limited in Nero Express Essentials. You can always upgrade at www.nero.com to get the full version with all the functions.

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. For example, you can therefore create a DVD image without having installed a DVD recorder. You can then write the image to a disc at any time.

9. Create Labels

9.1. 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 the full version of Nero Express that is included in Nero Classic. You can always upgrade at www.nero.com to get the full version with all the functions.



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

9.1.1. Printing LightScribe Label

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

1. Select the LightScribe recorder you want to use in the **Recorder** section of the extended area in the start screen.
 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 is displayed.
3. Click the Print LightScribe Label menu icon.
- The **Print LightScribe Label** option is displayed.
4. Click the **Print LightScribe Label** option.
- The **Disc Label** screen is displayed.
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 is displayed.
 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.
- It is possible to burn the label several times to the same LightScribe disc. The printed labels will be aligned. This darkens the label and often improves the quality. It is also possible to extend the label with new elements in an additional burn process. Note to save the created label if you want to use it once again.



Burning LightScribe label Within the Compilation

To integrate the creating and burning of a LightScribe label in your compilation project, enable the **Always print LightScribe label** check box in the **Options**. The **Disc Label** screen will then be displayed after you have compiled your project (as long as the LightScribe recorder is selected). The label print process will be executed after burning of the data side.

9.1.2. LightScribe Print Properties Window

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

The following options are available:

Area	Adjusts the desired print quality.
Print contrast	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.

9.2. 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.



This function is only available in the full version of Nero Express that is included in Nero Classic. You can always upgrade at www.nero.com to get the full version with all the functions.



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.

9.2.1. Burn Label Window

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.

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 Change	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 Burn	Starts the burn process.
Button Cancel	Cancels the procedure and closes the window.



If you are creating a DiscT@2, Nero Express 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.

9.2.2. 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 is opened 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 is opened 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. 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:
 - a. Click the **Change** button.
 - The **Labelflash Print Properties** window is opened.
 - b. If you want to change the printing quality, select a quality level from the **Print quality profile** drop-down menu.
 - c. 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.
 - d. Click the **OK** button.
 - The **Labelflash Print Properties** window is closed and the changes are accepted.
 - e. Click the **Burn** button.
 - The labeling procedure starts and the **Labelflash - printing** or **DiscT@2 - printing** window is opened. The window shows the estimated printing time and the print progress. When printing is complete, a message window is opened informing about the successful print process.

f. Click the **OK** button.

- The message window is closed and the disc ejected.
- You have successfully printed a label.

10. Configuration

10.1. Configuration Options

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



Some of the functions mentioned here are only available in the full version. You can always upgrade your Essentials version at www.nero.com to get the full version with all the functions.

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.
Expert Features	Contains options for configuring overburning and burning. We recommend that you retain the default settings.
Database	Selects the default naming method for audio files to be saved from an Audio CD to the hard drive.
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.

10.1.1. Compilation Settings

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

Check box Remember name of last used disc	Uses the Disc name of the last compilation for a new compilation. If the check box is cleared, the Disc name is set to New for a new compilation.
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Check box Clear archive bits of written files during ISO refresh	Clears the archive bit of the source file (e.g. from the hard disk) as soon as the burn process has finished. Clearing of the archive bit is of informational value and indicates that this file has been archived. If this check box is deactivated, the archive bit of the file remains unchanged.
Check box Allow semicolons in Joliet names	Allows the use of semicolons in addition to standard uppercase and lowercase letters and Unicode characters 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.

10.1.2. 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 space on hard drive, which Nero should not use	Defines the minimum storage volume on the cache drive that is not used by Nero Express.
Check box Immediately cache files that have been copied from an optical drive	Saves files that have been added to the compilation from a source disc in a temporary directory. If you clear this check box then you have to insert the original source disc during the burn process.

10.1.3. Expert Features

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

Check box Enable Disc-at-once CD overburning	Enables the option that CDs can be overburned.
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Drop-down menu / Input field Absolute/Relative maximum overburning size	Defines how much a CD can be overburned.
Check box Enable DVD overburning	Enables the option that DVDs can be overburned.
Drop-down menu / Input field Maximum DVD size	Defines how much a DVD can be overburned.
Check box Enable generation of short lead-out	Enables the option to write additional data to your CD.
Check box Do not eject the disc after the burn is complete	Enables the option that your disc remains in the recorder and is not ejected when the burn process is finished.
Check box Enable all Nero supported disc types for the Image Recorder	Enables the option that all supported recorder formats for the Image Recorder are available. It is now possible to create compilations that the installed recorder cannot burn. For instance, you can create a Blu-ray compilation without a Blu-ray recorder and create an image file with Nero Image Recorder.
Check box Enable automatic renaming of AVCHD file extensions	Renames the file extensions to fit the AVCHD specifications. AVCHD content on optical discs requires four letter extension to be detected as an AVCHD disc.
Area Nero burn functions in the context menu	Allows Nero Express to be started from the shell context menu. The shell context menu offers various pertinent information and is opened by clicking a file or folder with the right mouse button in the Windows Explorer.
Area / Button Restore	Resets all settings back to the original factory settings.



Overburning

Overburning means writing more data on the disc than originally intended. It is achieved by reducing the lead-out area to a few seconds, which is sufficient in most cases. However, this violates the CD standard and may result in recording and playback errors (depends on the used recorder).

10.1.4. 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.

10.1.5. 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 Always print LightScribe label	Offers the option to create and burn a LightScribe label automatically when burning with a LightScribe recorder. This tab is only available if a LightScribe recorder has been installed.

10.2. Erase a Disc

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 zeros. 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.

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 all data from the disc, 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.


11. Nero MediaBrowser

Nero MediaBrowser is a tool which you can use to easily find, view and access media files and add them to your project. More precisely, with Nero MediaBrowser you can access a media library which contains all your media files that were indexed by Nero MediaHome.



Nero MediaBrowser and the media library come with Nero MediaHome and are installed together. You will find further information in the Nero MediaHome manual.

Nero MediaBrowser is designed to be accessed in several Nero applications, but is also available as a standalone application.

To use Nero MediaBrowser within a Nero application, open Nero MediaBrowser via the  button. When you double-click a media file or select it and click the **Add** button in Nero MediaBrowser, the media file will be added to your current project.

To use Nero MediaBrowser with a non-Nero application, open Nero MediaBrowser via the Windows start menu or its tile, depending on your operating system. You will then be able to add media files to any active application by dragging the desired media file onto the application. When you double-click a media file in Nero MediaBrowser, it is opened in its default program.


Nero MediaBrowser features the same categories (**Photos & Videos**, and **Music**) as Nero MediaHome. There are different views available for each category: Clicking one of the entries in the upper part of the list (for example **Faces**) displays the same view as when clicking the corresponding tabs in Nero MediaHome. Also, the same scroll bar as in Nero MediaHome is used. This is either the **standard scroll bar** or the **dynamic scroll bar**.


The following views are available for the **Photos & Videos** category, referring to the corresponding views in Nero MediaHome:

All Photos & Videos	Displays all photos and videos sorted in chronological order by creation date.
Faces	Displays all photos in which faces of persons have been detected and named listed in alphabetical order. Faces are grouped into stacks; you can access one of the stacks by double clicking it.
Find	Displays all existing tags enabling you to create a query.
Album	Displays the content of smart albums (e.g. Recently added) and user generated albums.

The following views are available for the **Music** category, referring to the corresponding views in Nero MediaHome:

Albums	Displays all audio tracks sorted in alphabetical order by album.
Artists	Displays all audio tracks sorted in alphabetical order by artist.
Genres	Displays all audio tracks sorted in alphabetical order by genre.
Titles	Displays all audio tracks sorted in alphabetical order by title.
Playlist	Displays the content of smart playlists (e.g. Recently played) and user generated playlists.

The **Options** window is opened when you click the  button on the upper task bar. The options refer directly to Nero MediaHome.

Library	<p>Displays the Library settings area.</p> <p>All monitored folders are displayed in the respective Watched folders or drives area. If you want to add additional media folders, click the Add Manually button and select the desired folder from the navigation tree. Click the Add Automatically button to have Nero MediaHome perform a search for new media folders on your computer. To exclude certain media types (music, videos, or photos) from a folder, click the respective button to the right of the folder. To delete a folder from the application's watch list, hover your cursor over the listed folder and click the  button.</p> <p>You can also just drag files or folders to Nero MediaHome. A window automatically opens and asks if you want to add the folder(s) to the library.</p> <p>In the General area you can select to list your external playlists (such as iTunes) as entries in the navigation tree of Nero MediaHome.</p>
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