nero 9

Manual

Nero StartSmart

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1 Start Successfully

1.1 About the manual

This manual is intended for all users who want to learn how to use Nero StartSmart. 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 StartSmart

Nero StartSmart is the clearly arranged command center for Nero Suite. You merely have to select the desired task and the corresponding application will be launched automatically. In addition, you can select the desired language and check, via your online connection, if new program versions of Nero are available. You can use Nero StartSmart to download and install them.
So-called inline functions provide quick and easy access to frequently-used functions such as burning, ripping, and copying. In addition, you can configure the system to back up data automatically and play music or video files.

2 Launching the Program

The Nero StartSmart icon appears on your computer's desktop after installing Nero Suite. Nero StartSmart provides easy access to all Nero Suite applications and, when installed, to Nero BackItUp and Nero MediaHome. Double-click the Nero StartSmart icon to open the Nero StartSmart start window.

3 User interface

3.1 Nero StartSmart start screen

Nero StartSmart start window

The following buttons are available:

	Displays a menu in which you can specify the settings for the inline functions, the options for news feeds (see Setting inline function options→ 11), the desired language (see Nero Suite Language→ 10) or check if updates are available for your Nero Suite at www.nero.com (see Updating Nero Suite→ 8).
	Displays a selection list of Nero applications, tools, and manuals that can be opened directly by clicking them.
	Displays online help.
	Establishes an Internet connection to www.nero.com and checks if updates are available for your Nero Suite (see Updating Nero Suite→ 8).

The following tabs are available in the top area of the start screen:

Start Page	Displays the start page of Nero StartSmart and welcomes you. Here, too, is the **Direct Application Launch** area, where you can add applications to which you want to have fast access.

Rip and Burn	Offers you a choice of frequently occurring ripping and burning projects. These are pre-configured and therefore can be easily and quickly executed.
Create and Edit	Offers pre-configured projects for quickly and easily creating slide shows and disc labels, editing videos, converting audio files, and much more.
Home Entertainment	Offers pre-configured projects for playing and recording videos, playing audio files, viewing and recording live television programs, and much more.
Back Up	Provides additional pre-configured projects for backing up data, restoring backups, scheduling future backups, creating a disaster recovery disc, and just copying a disc.

The menu icons on the left side of the Nero StartSmart start screen each represent the so-called inline functions. These are optimally pre-configured, frequently-used processes that can be run directly in Nero StartSmart without having to launch another Nero Suite application (see Nero StartSmart inline functions→ 14).
The following menu icons are available:

Data Burning	Displays the **Burn Data Disc** screen, where you can quickly burn a selection of files. First name the disc and select a destination drive, add the files to be burned, and click **Burn**.
Audio Burning	Displays the **Burn Audio CD** screen. Here, you can quickly and easily create audio CDs, MP3 Jukebox discs, or Jukebox discs in the Nero Digital™ Audio+ format.
Audio Ripping	Displays the **Rip Audio CD** screen. Select the destination drive, output file format, and the target directory, and click **Rip**. It's that fast and easy to save tracks from an audio CD.
Copy Disc	Displays the **Copy Disc** screen. Here, you only need to specify the source and destination drives and click **Copy** to get a copy of your disc.
Autobackup	Displays the **Autobackup** screen. You can set up and configure the Autobackup feature, which automatically backs up monitored folders.
Play File	Displays the **Play File** screen. You can play audio and video files and create a playlist here.

In the **Launch Applications** area, you can configure which applications you want to have immediate access to when Nero Suite starts up.

The following button is available in the **Launch Applications** area:

Add/Remove	Displays a list of all available Nero Suite applications and, if installed, other Nero products such as Nero MediaHome and Nero BackItUp. From the list, you can choose the application you want by selecting or clearing the appropriate check boxes. The selected applications are displayed in the **Launch Applications** area.

In the yellow **News** area at the bottom of the Nero StartSmart screen, the news from the newsfeeds to which you have subscribed are displayed.
The following buttons are available in the **News** area:

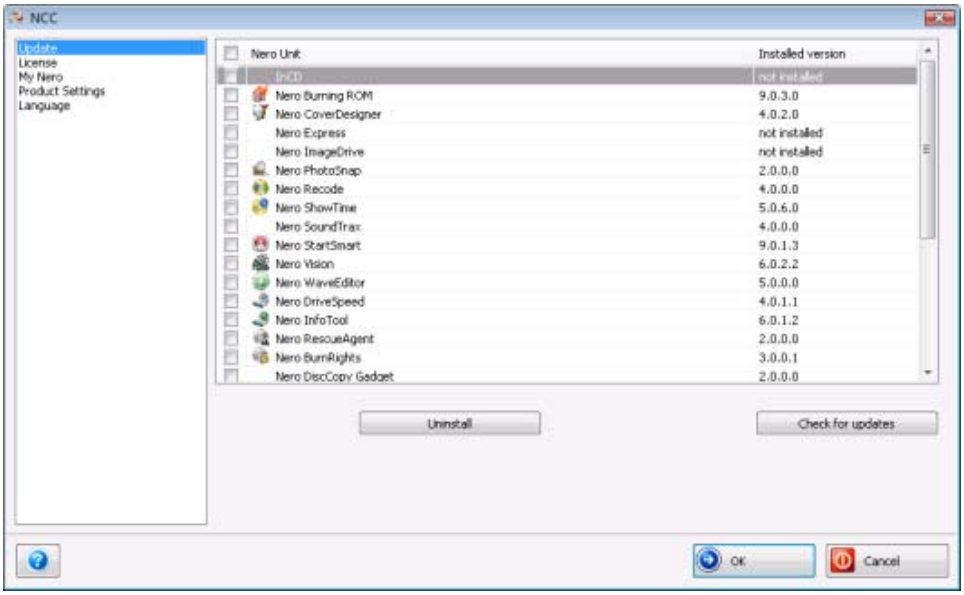
News	Opens the Options screen for the **Newsfeed** inline function (see Setting inline function options→ 11). You can subscribe to newsfeeds here.
	Displays the complete news from the newsfeeds.
Next	Opens the next headline of a news item in the newsfeed.

3.2 Updating Nero Suite

From Nero StartSmart, you can update Nero Suite. You can also install applications that have been enabled by entering a corresponding serial number.
A prerequisite for updating or installation is the availability of an Internet connection. You can either update online or use a downloaded and stored update for the process..

To update Nero Suite, proceed as follows:

1. Click the **Search for updates** button in the Nero StartSmart startup window.
   → The **Update & Setup** screen with a listing of all enabled Nero applications is shown. For each application, this screen shows whether the application is installed and, if it is, its version.



Update screen

2. Click the **Search for updates** button.
3. Click the **OK** button in the active window to confirm.
   → The search for available updates begins and a progress window provides information on the progress of the search. The **Update/Install Now** button is activated.
4. Click the **OK** button.
   → The **Update & Setup** screen shows if updates are available for each of the installed applications. It indicates whether an installation file is available for each enabled but not installed application.
5. If you want to update or install applications:
   1. Enable the check boxes in front of the required application.
   2. Click the **Update/Install Now** button.

   → A window that allows you to choose between updating via the Internet and using an file downloaded previously and stored on the computer is displayed.
6. To update or install via the Internet, click the **Download** button.
   → A window is displayed informing you of the progress and the results of the download process. It also informs you that an existing version must be uninstalled before the update can be installed and automatically applied.

   Installed manuals of the selected application are automatically updated to the extent that newer manuals are available on the Nero Server.
7. To use a file already available on your computer, enter the file's path in the text box of the displayed window or click the **Browse** button to select the path.

8. Click the **OK** button.
   ➔ The update is executed. The relevant version designations are displayed in the **Installed Versions** column.

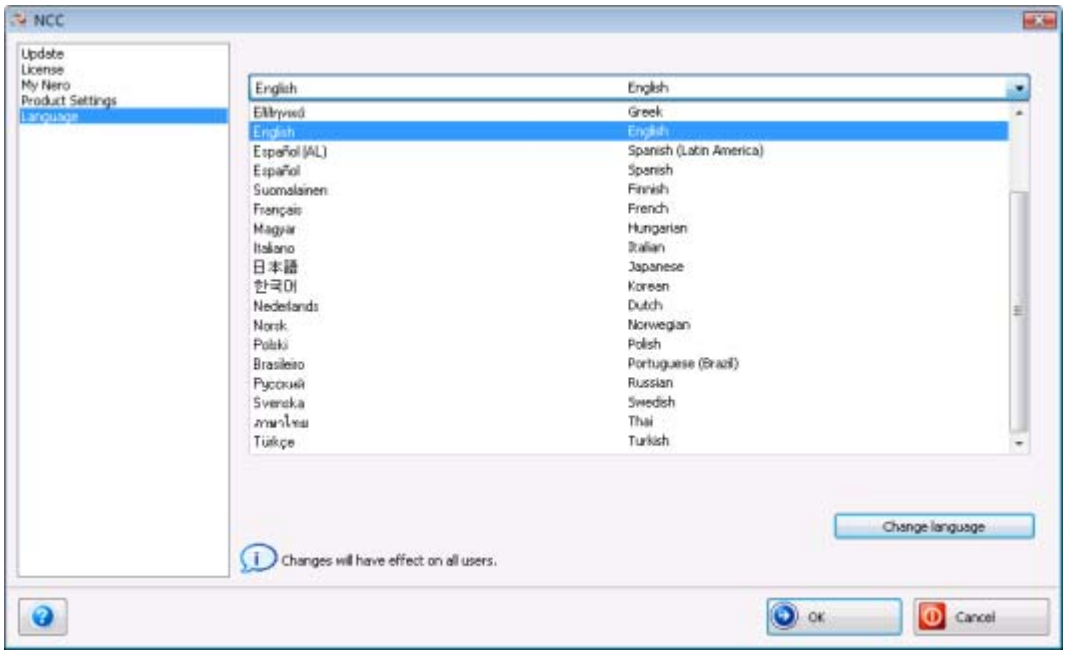
3.3 Defining the Currently Used Language

From Nero StartSmart, you can define the language to be used by all Nero applications. You can choose a language that was installed during the installation process and is therefore available on the system.

If you want to choose a language that has not been installed, you have to first install it. To do so, modify the installation.

To define the language to be used by all Nero applications, proceed as follows:

1. In the Nero StartSmart start screen, click the button.
2. Click the **Change Language** entry in the displayed menu.
   ➔ The Nero ControlCenter language selection screen is displayed.



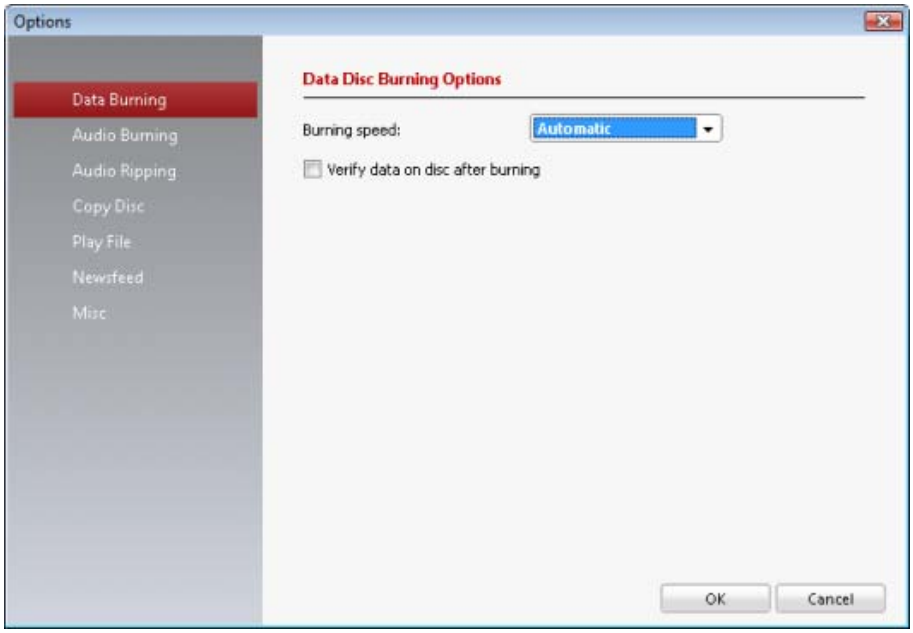
Language selection screen

3. Select the desired language in the top drop-down menu.
4. Click the **Change language now** button.
   ➔ The selected language is used immediately.

4 Setting Options

In the **Options** window, you can define settings for the inline functions and Nero StartSmart.

Use the button > **Options** to open the window.



Options window

The following entries are available:

Data Burning	Displays the **Data Disc Burning Options** screen. You can select the burn speed here and choose whether the data should be checked after burning.
Audio Burning	Displays the **Burning Options** screen. In this screen you can select the burn speed and determine whether the data should be checked after burning - separately for audio CDs and Jukebox CDs.
Audio Ripping	Displays the **Audio Ripping Options** screen. You can specify the file format, the encoding quality (**Medium**, **High**, or **Smallest file size**), and the read speed.
Copy Disc	Displays the **Copy Disc Options** screen. You can select the burn speed and specify whether the burn process should be simulated initially or not, whether the data should be checked after burning or not, and whether or not a new on-the-fly should be created from the source drive to the destination drive.

Play File	Displays the **Play File Options** screen. You can specify a folder from which pictures are displayed in a type of slide show during music playback. You can define the fade and display times in milli-seconds.
Newsfeed	Displays the **Newsfeed Options** screen. You can specify the interval after which the next newsfeed headline is displayed in the **News** area and decide which newsfeeds you would like to subscribe to (see Setting Up Newsfeeds→ 12).
Misc	Displays the **More Options** screen. You can define whether Nero StartSmart is closed, remains open or is minimized when opening a Nero application and whether the Nero StartSmart settings are saved when closed. In addition, you can enable the integrated Image Recorder for all applications.

Burn and Read Speeds

The following burn and read speeds are available:

Minimum: Slowest speed for the most reliable burning.

Safety mode: Moderate speed with emphasis on safety.

Automatic: Optimal speed for the selected disc burner and the data to be burned.

Maximum: Maximum speed of selected disc burner.

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.

4.1 Setting Up Newsfeeds

To subscribe to newsfeeds, proceed as follows:

1. Click the **Newsfeed** button in the **Options** screen.
   → The **Newsfeed Options** screen is displayed.
2. Use the arrow keys to select the desired update interval. It is specified in minutes.
3. Select the corresponding check box if you want to subscribe to the Nero Newsfeed.
4. Click the **Subscribe** button to create a new newsfeed.
   → The **Add newsfeed** window is displayed.
5. Enter the address of the desired newsfeed in the corresponding text box.
   → You have subscribed to the new newsfeed and its news items appear in the **News** area of the Nero StartSmart start screen.

6. To cancel a newsfeed subscription, select the respective entry from the list in the **Newsfeed Options** window.
7. Click the **Unsubscribe** button.
8. Confirm your choice in the displayed dialog box.
   ➔ You have unsubscribed from the newsfeed and it is removed from the **Newsfeed Options** window.

5 Nero StartSmart Inline Functions

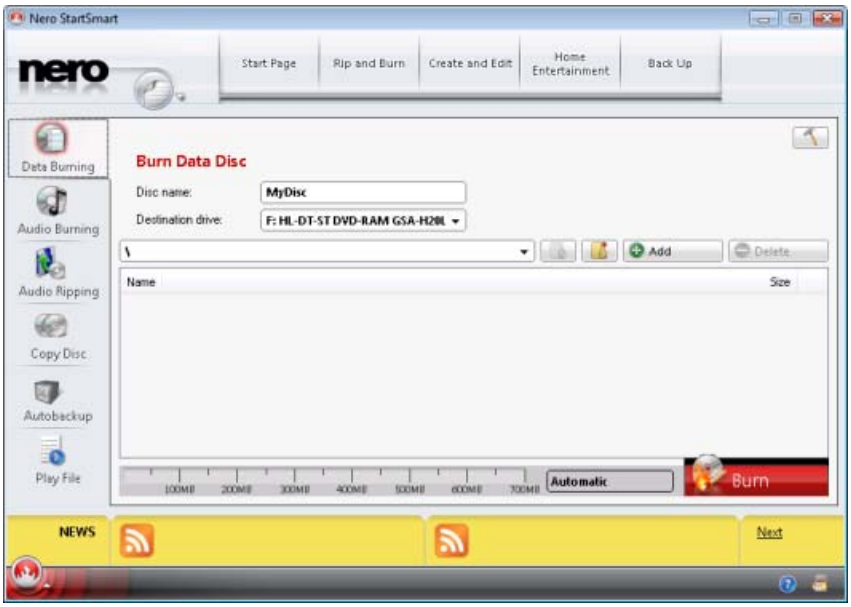
Inline functions are pre-configured, frequently-used processes that can be run directly in Nero StartSmart without having to launch another Nero Suite application. You can quickly and easily burn data discs or Audio CDs, save audio files from audio CDs to a hard drive, and copy discs. You can also set up the Autobackup feature, which automatically backs up monitored folders.

The following inline functions are availabe:

- Burning a data disc (see Burn Data Disc Screen→ 14)
- Burning an Audio CD (see Burn Audio CD Screen→ 15)
- Saving audio files from Audio CD to the hard drive (see Audio Ripping Screen→ 20)
- Copying a disc (see Copy Disc Screen→ 26)
- Setting up automatic backups (see Autobackup Screen→ 28)
- Playing files (see Play File Screen→ 30)

5.1 Burn Data Disc screen

You can create data discs with just a few clicks of your mouse.



Burn Data Disc screen

The following setting options are available:

Input field **Disc name**	The desired name of the disc to be burned is entered here.

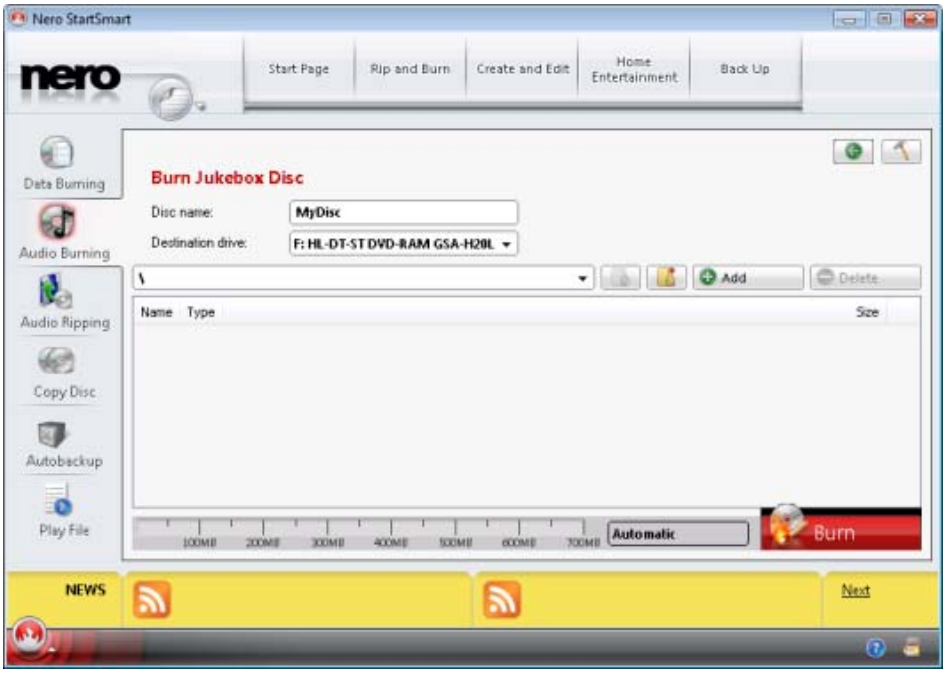
Drop-down menu **Destination drive**	Allows you to select the drive you would like to use for burning. The **Image Recorder** entry creates an image file that is initially stored on the computer under the path shown in the adjacent text box. The image file can be burned to a disc later. The drop-down menu is available if there is more than one drive and the Image Recorder is enabled.
	Displays the contents of the higher-level folder for the selected file in the contents area.
	Creates a new folder in the contents area.
Button **Add**	Opens a window in which you can select files to be added to the the content of your disc by clicking the mouse. They are displayed in the contents list of the **Burn Data Disc** screen when you click **Open**. The capacity bar indicates the total size of the listed files in MB.
Button **Delete**	Removes the selected entries from the contents list.
	Opens the Options screen for the **Data Burning** inline function (see Setting inline function options→ 11).

5.2 Audio Burning Screen

You can create audio discs here with just a few mouse clicks.

- **Audio CD**
  Standard CD that can be played on all standard playback devices. You can select songs from your hard drive or from other audio CDs and burn them to the new audio CD. 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.
- **MP3 Jukebox Disc**
  Audio disc with audio files in MP3 format that can be played on all computers and MP3 playback devices.
- **Nero Digital™ Audio+ (NDA+) Jukebox Disc**
  Audio disc with audio files in Nero Digital™ Audio format that requires little storage space and has surprisingly high sound quality. This type of audio disc can be played on all playback devices that support the Nero Digital™ Audio format.

The creation process is nearly identical for all audio discs.



Burn Jukebox Disc screen

The following setting options are available:

Input field **Title (CD-Text)**	Enter the desired name for the audio CD to be burned. This text appears in the display of the playback device during playback. Only available when creating an Audio CD.
Input field **Artist (CD-Text)**	Enter the artist name for the audio CD to be burned. This text appears in the display of the playback device during playback. Only available when creating an Audio CD.
Input field **Disc name**	Enter a name for the disc to be created. This text appears in the display of the playback device during playback. Only available when creating a Jukebox disc.
Drop-down menu **Destination drive**	Allows you to select the drive you would like to use for burning. The **Image Recorder** entry creates an image file that is initially stored on the computer under the path shown in the adjacent text field. The image can be burned to a CD later. The drop-down menu is available if there is more than one drive and the Image Recorder is enabled.
Button **Add**	Opens a window in which you can select audio files to be added to the content of your audio CD by clicking the mouse. Click the **Open** button to view the contents list of the **Burn Audio CD** screen. The capacity bar indicates the total length of the listed songs in minutes.

Button **Delete**	Removes the selected entries from the contents list.
Button **Burn**	Starts the burn process or the creation of an image file.
	Opens the Options screen for the **Audio Burning** inline function (see Setting inline function options→ 11).

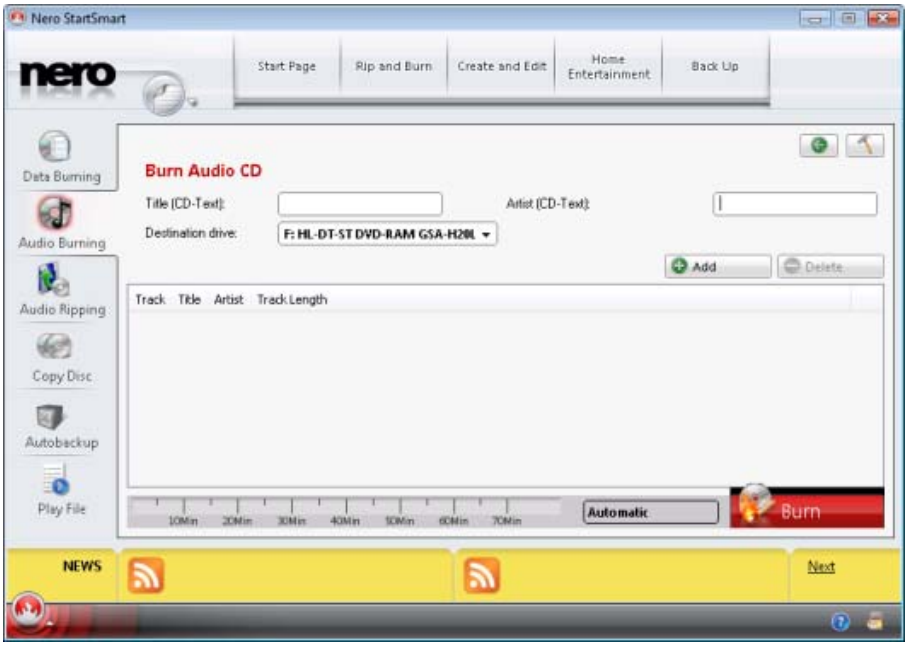
5.2.1 Burning an Audio CD

In Nero StartSmart, you have the option of selecting audio files from your hard drive to burn an Audio CD that can be played on all standard playback devices. Before burning the Audio CD, the source files in various audio formats (e.g. MP4, MP3 or WMA) are automatically converted into the Audio CD format.

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

To burn an audio CD, proceed as follows:

1. Click the **Audio Burning** menu icon.
   → The **Audio Burning** screen is displayed.



Audio Burning screen

2. Click the **Audio CD** option.
   → The **Burn Audio CD** screen is displayed.

3. Click the **Add** button.
   → The **Add files and folders** window is opened.
4. Choose the audio files that you want to burn to CD. You can choose audio files from CDs or from your hard drive.
5. Click the **Add** button.
   → The audio files selected are listed in the **Burn Audio CD** screen. A capacity bar displays the total length of the music files to be burned to CD in minutes.
   The **Add Files and Folders** window stays in the foreground until you close it.

Burn Audio CD with Audio Files screen

If the capacity bar is displayed in green, all audio files on the CD can be burned. If the capacity bar is red, not all audio files fit on the CD. You have the option of deleting audio files from the list.

6. If you want to delete an audio file, choose the desired audio file and click the **Delete** button.
   → The selected audio file is removed from the list.
7. Select a burner from the **Destination drive** drop-down menu.
8. If you want to include a CD title, enter a name in the **Title (CD-Text)** input field.
9. If you want to include an artist, enter a name in the **Artist (CD-Text)** input field.
10. Click the **Burn** button.
    → A window appears and prompts you to insert a blank recordable CD into the recorder.

11. Insert a blank recordable CD into the recorder and click the **Load** button.
    → A progress bar is displayed at the bottom left of the screen. When the burn process is finished, a dialog box opens.
12. Click the **OK** button.
    → You have burned an Audio CD that contains the selected audio files.

5.2.2 Automatic Music Recognition

With Gracenote MusicID Nero StartSmart can identify music files. So called metadata such as artist, title, and genre are accessed from the Gracenote Media Database and displayed in Nero StartSmart. 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 StartSmart with Gracenote MusicID.

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

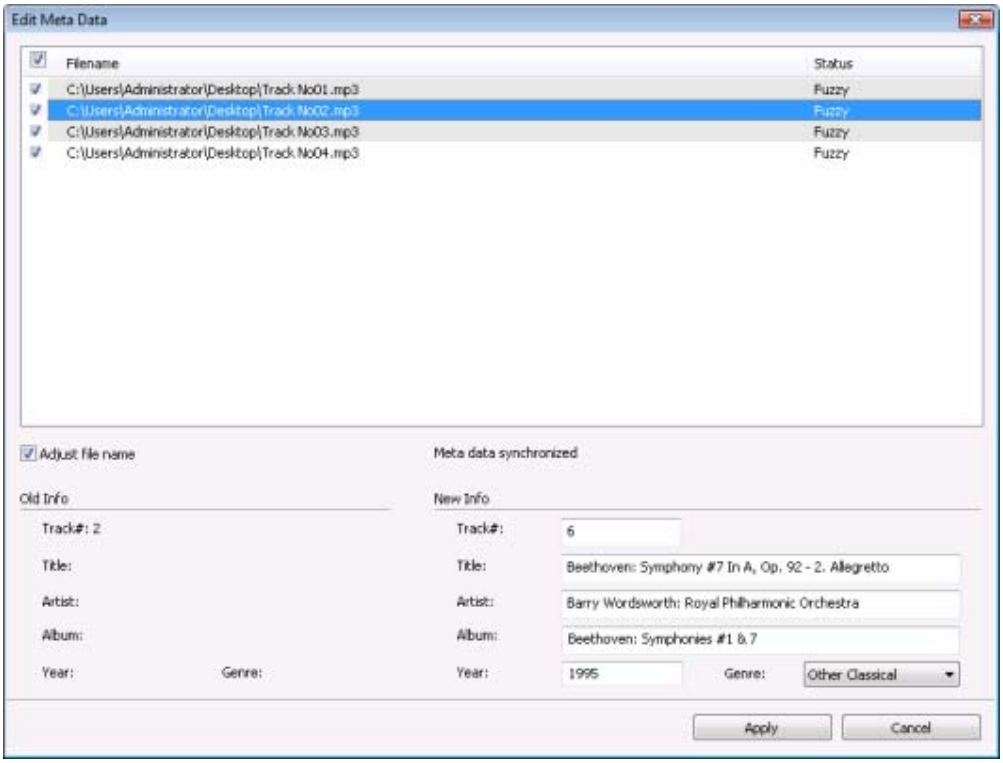
Music recognition technology and related data are provided by Gracenote®. Gracenote is the industry standard in music recognition technology and related content delivery. For more information, please visit www.gracenote.com.

5.2.2.1 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 StartSmart.

5.3 Audio Ripping Screen

The **Rip Audio CD** screen displays the audio files available on the Audio CD. You can save the audio files from an Audio CD to the hard drive. 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. So-called metadata, i.e. information such as title, genre, and track title, is 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.

Rip Audio CD screen

The following setting options are available:

Drop-down menu **Source drive**	You can choose the drive in which the CD containing the tracks to convert was inserted.
Drop-down menu **Output file format**	You can choose the format in which the tracks should be saved. The following formats are available: **Nero Digital™ Audio (*.mp4)**: Format with an especially small file size and high sound quality **MP3 Audio (*.mp3)**: Widely-used format that can be played by all standard computers and MP3 players **WAVE**: Quasi-standard for Microsoft systems
Input field **Target directory**	You can choose the folder in which the tracks should be saved.
Check box **Enable ripping of each entire Audio CD in a row**	Saves the tracks from any number of audio CDs, one after the other, in the selected target directory; a separate folder is created for the tracks from each audio CD.

Button **Edit Metadata**	Opens the **Edit meta data** 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.
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 **Select All**	Selects the entire tracklist, i.e. all audio tracks.
Button **Unselect All**	Deselects the entire tracklist.
Button **Save**	Starts the save process.
	Opens the Options screen for the **Rip Audio CD** inline function (see Setting inline function options→ 11).

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.

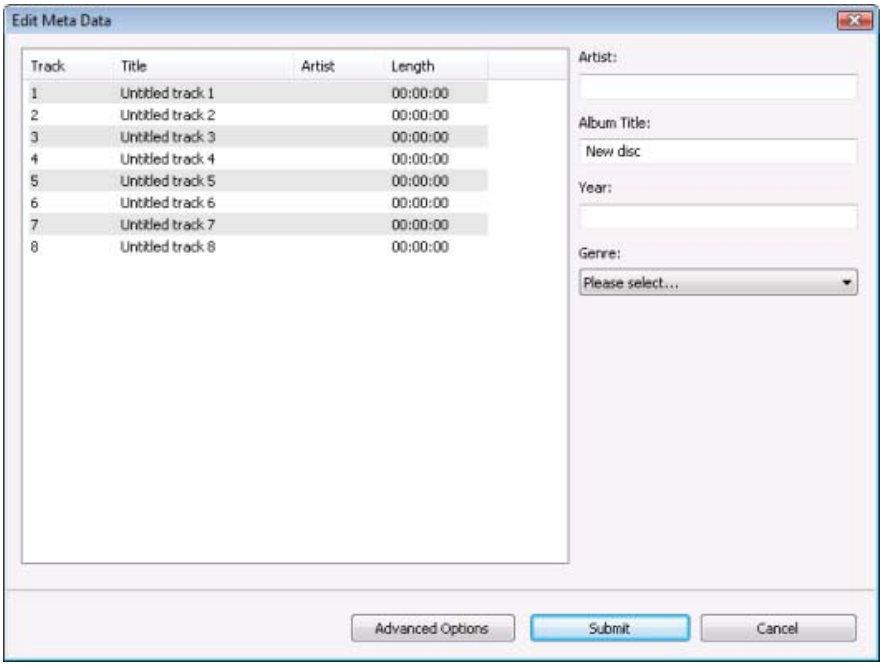
5.3.1 Converting Audio CDs to MP3s

To save the audio files from an Audio CD to the hard drive, proceed as follows:

1. Click the **Audio Ripping** menu icon.
   → The **Rip Audio CD** screen is displayed and a dialog box asks you to insert an Audio CD into a drive.

Rip Audio CD screen

2. Insert an Audio CD into a drive and click the **OK** button.
3. In the **Source drive** drop-down menu, choose the drive in which your Audio CD is located.
   → The disc is analyzed and the required information is sent to Gracenote. If an exact matching entry is found in the Gracenote Media Database, that metadata will be used and displayed.
   → If several entries are found, then the **Matches** window opens and the metadata records in question are displayed.
4. Select the metadata record that matches your Audio CD.
5. Click the **Send New Data** button if none of the metadata records match your Audio CD.
6. 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.

7. If necessary, edit the metadata, e.g. title, artist, album title, year, and genre.
8. 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 is displayed again.
9. Click the **Submit Data** button.
   → If you have changed the Audio CD's metadata or filled it in for the first time, the changes are sent to Gracenote and added to the Gracenote Media Database.
   → The **Edit Metadata** window is closed and the information is passed on to the **Rip Audio CD** screen.

Rip Audio CD screen with audio files

10. Select the tracks that you want to save on the hard drive.
    1. If you want to copy all files on the disc to your hard drive, click the **Select All** button.
    2. If you want to deselect the files, click the **Unselect All** button.
    3. If you only want to select individual audio files, enable the check box in front of the respective audio files.
11. Choose a file format in the **Output file format** drop-down menu.
12. Click the **Browse** button and choose a target directory in which the audio files should be saved.
13. Click the **Rip** button.
    → The selected audio files are copied and converted into the selected file format. A folder with the name of the album is created inside the desired folder. The audio files are saved in this folder and named by artist and title. Metadata that is identified with Gracenote is written to the audio file.
    A progress bar at the bottom left of the screen and information on the screen show the progress of the copy process. After the copy process is finished, a window appears with the message "Ripping was successful!".

If you want to save audio files from several Audio CDs, enable the **Enable ripping of each entire Audio CD in a row** check box. The copy process then runs automatically for the other Audio CDs as described here. The settings that you defined at the beginning are used. A dialog box is displayed at the end of the copy process and prompts you to insert another Audio CD or to cancel the operation.

When automatically copying more than one Audio CD in a row, only the entire Audio CD can be copied.

➔ You have copied audio files from one Audio CD to your hard drive in the required file format.

5.4 Copy Disc Screen

You can copy a disc very quickly here. Just insert a disc and click **Copy**. If you have more than one drive, drop-down menus in which you can choose the source and destination drives are displayed.

Copy Disc screen

The following setting options are available:

Text box **Source drive**	You can choose the drive in which the disc to be copied is inserted.

Text box **Destination drive**	You can choose the drive with the recordable disc to which you want to burn the copy. All drives connected to your computer are listed. You can also select the **Image Recorder** entry to create an image of the disc to be copied, which can then be burnt to a disc at a later point in time. In this case, click the **Browse...** button to choose the path in which to save the image file.
Button **Copy**	Triggers the copying process or the process to create an image.
	Opens the Options screen for the **Copy Disc** inline function (see Setting inline function options→ 11).

See also:

Copy image→ 28

5.4.1 Copying methods

If you have more than one drive, there are two options for copying a disc

- On-the-fly, i.e. the disc to be copied and the recordable disc are in different drives
- Image copy, i.e. you use the same drive for the disc to be copied and the recordable disc

Each one of the methods can be better for different situations, depending on your requirements.

5.4.1.1 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 StartSmart 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.

5.4.1.2 Copy image

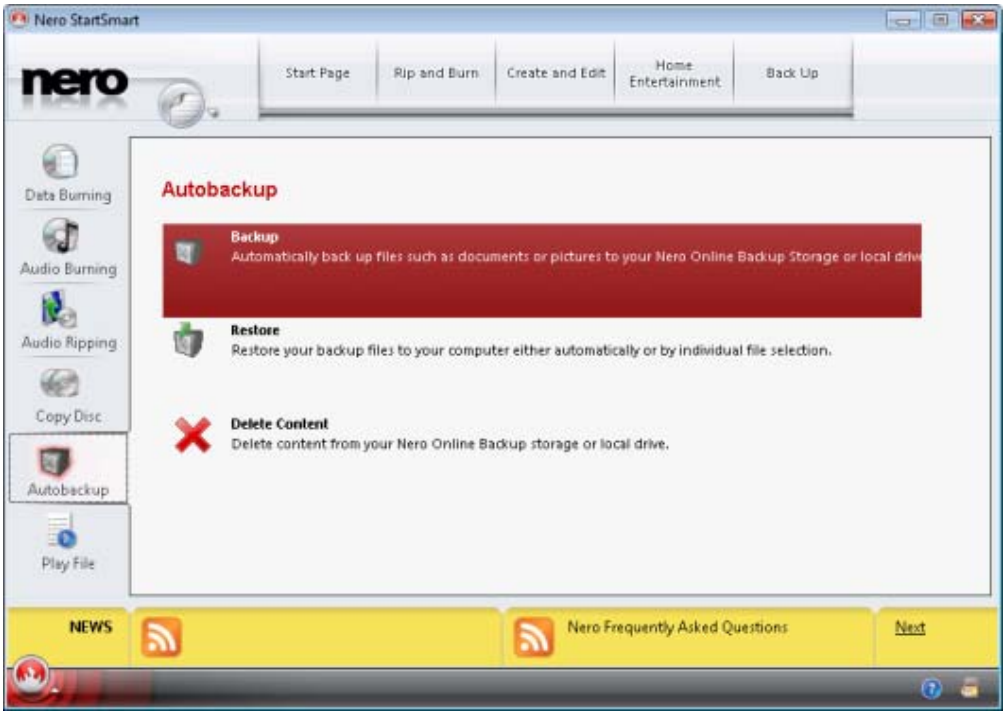
With the copy over image method, an image of the original disc is saved to a file first. The image file is then burned to a blank disc. Copying using copy over image takes longer, but it often produces better results.
You must have sufficient storage space to use the copy over image method.

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).

5.5 Autobackup Screen

You can use Nero StartSmart to set up and configure the automatic Autobackup backup feature. Once it has been set up, Autobackup is available on your computer's system tray and backs up the folders that you specify in the background. During this process, the existing backup is replaced by the current one.
In addition to a hard drive, you can use the Nero Online Backup Internet service as a backup target. Autobackup can then restore the backed up files from there.



Autobackup screen

The following buttons are available:

Backup	Sets up Autobackup.
Restore	Restores the data backed up with Autobackup.
Delete Content	Deletes individual content from the backup.

5.5.1 Configuring Autobackup

In order for Autobackup to be able to carry out the automatic backup process according to your preferences, configure which file types should be automatically backed up in which folders and define the backup target.

Autobackup

This update backup method is used for automatic backups made through Autobackup. In this process, the data from the previous backup is overwritten with the modified data. This means that there are no backup versions, i.e. accessing older backup versions is not possible.

Files that are deleted from a monitored folder are kept in the backup. If you want to delete these files from the backup as well, then use the delete feature, which can be selected in the **Autobackup** screen.

In order to set up Autobackup or change the settings, proceed as follows:

1. Click the **Autobackup** menu icon.
   → The **Autobackup** screen is displayed.
2. Click the **Backup** entry.
   → The screen for configuring Autobackup backups is displayed.
3. Specify which file types you want to back up in the **Backup Source** area.
4. If you want to edit the file extension list, click one of the file types.
5. Specify which folder you want to monitor with Autobackup in the **Backup Source** area:
   1. Click **Add** to add folders to the monitoring list.
   2. Click **Remove Folder** to remove folders from the monitoring list.
6. Specify the destination where Autobackup should back up the files in the **Backup Target** area.
7. If you want to save the backup to a hard drive:
   1. Choose the **Local Storage** entry from the **Backup Target** drop-down menu.
      → The corresponding area is displayed.
   2. Define the other settings.
8. If you want to save the backup online and use the Nero Online Backup Internet service:
   1. Choose the **Online Storage** entry from the **Backup Target** drop-down menu.
      → The corresponding area is displayed.

2. If you already have an account, enter your user name and password in the corresponding fields.
3. Click the **Log on** button.
4. If you do not have an account, click the**Set up account** button.
   → A window that will guide you through the registration process opens.

9. Click the **Backup** button.
   → The first full backup for the folders that you have specified is carried out.
   → Autobackup has been set up and is now monitoring the specified folders. If there are modifications or new files, Autobackup carries out a backup update automatically.

5.5.2 Restoring Autobackup

You can restore files that have been backed up with Autobackup. You can select between an automatic restore process of all files to the original path and an individual restore process in the **Restore Autobackup** screen. With the individual restore process, you can choose the path to which the backed up files should be restored and exclude individual files from the backup.

5.6 Play File Screen

You can play music and video files here.
The screen consists of a playback area, a tracklist, and a control bar. You can switch the playback area to full screen mode as needed.

Play File Screen

You can choose the aspect ration for playing back the movie in the drop-down menu (**Automatic**) in the top right.

Source (1:1)	Plays the movie back in its original size.
Automatic	Adjusts the movie to the size of the window. The aspect ratio of the movie remains unchanged and black bars may appear.
Fit to window	Fits the movie into the window exactly. The movie may be distorted.
4:3	Plays the movie back in 4:3 aspect ratio.
Zoom	Fits the movie into the window without any distortion so that no black bars appear. The movie may be cropped.
16:9	Plays the movie back in 16:9 aspect ratio.
Cinema	Plays the movie back in widescreen format.

The following setting options are available in the playback area:

	Adds a title to the tracklist.
	Saves the tracklist under a name of your choosing.
	Deletes the selected title from the tracklist.

The following setting options are available in the control bar:

	Rewinds the video file at double the frame rate as long as you hold down the mouse button.
	Continuous navigation.
	Fast forwards the video file at double the frame rate as long as you hold down the mouse button.
Zoom toggle switch	Enlarges/reduces the size of the movie. Put the toggle switch on plus or minus and then click in the playback area.
	Ends playback. [S]
	Jumps to the previous video file in the tracklist.
	Pauses playback, then resumes it after a second click. [Space bar]
	Starts playback.
	Jumps to the next video file in the tracklist.
	Switches to mute/loud. [M]

	Adjusts the volume.
	Switches between full-screen mode and normal view. You can also double-click in the playback area to switch between modes.

6 Tabs

Frequently occurring tasks have been assembled on four tabs in the Nero StartSmart categories.

- **Rip and Burn** tab
  Includes, especially, tasks for burning all sorts of discs, as well as the option of ripping audio tracks, i.e. saving them to a hard drive.
- **Create and Edit** tab
  Contains a range of tasks for creating disc labels and your own tracks or video files; for editing photographs, sound files, and videos; and the option of converting audio files to other file formats.
- **Home Entertainment** tab
  Contains PC and TV applications that can be used to view videos, photos, and slide shows, watch television, and record and stream television shows.
- **Back Up** tab
  Contains tasks such as scheduling, restoring, and performing backups, as well as the option of creating disaster recovery discs.

All tasks are linked to Nero applications. If you have not installed the respective application, the task will be unavailable.
Detailed information about the individual applications is available in the respective manuals, which are available for download from www.nero.com free of charge.

6.1 Rip and Burn Tab

You can burn various discs and rip audio tracks here.

The following tasks are available:

Save Tracks from Audio-CD	Opens the **Copy Audio CDs to Hard Drive** window of Nero Burning ROM and Nero Express. Here, you can define the settings for the audio files to be saved to the hard drive. The Audio CD can be automatically identified with Gracenote. Information such as artist, title, genre and track title - so-called metadata - can be accessed from the Gracenote Media Database and assigned to the tracks.
Burn Audio CD	Opens the Nero Express compilation window, in which you can select the files for an Audio CD. Source audio files for an Audio CD may be stored on your hard drive as compressed audio files or originate from one or more Audio CDs. You can also select an M3U playlist as the source. Nero Express automatically finds the MP3 audio files for burning that have their paths stored on the M3U playlist. Nero Burning ROM can also be used for this task. If you choose this to perform the tasks, the selection screen opens.

Burn Jukebox Disc	Opens the Nero Express splash screen with a Juxebox Audio CD project already enabled - You can compile music files for a jukebox disc here.
Burn Data Disc	Opens the Nero Express start screen. The **Data** category is already selected and you can decide whether to burn a CD or a DVD. Nero Burning ROM can also be also be used for this task as an additional Nero application. If you choose this to perform the tasks, the selection screen in which you can select the files for a data disc opens.
Burn Video Disc	Opens the Nero Express start screen. The **Videos/Images** category is already selected and you can decide whether to create a video CD, a Super-video CD, or DVD video files. Nero Burning ROM can also be also be used for this task as an additional Nero application. If you choose this to perform the tasks, the **New Compilation** window, in which you can choose the disc type and set the options for the disc format, opens.
Copy Disc	Opens the Nero Express start screen. The **Images/Project/Copy** category is already selected and you can decide whether to **Copy Entire Disc** or create a **Disc Image**. Nero Burning ROM can also be also be used for this task as an additional Nero application. If you choose this to perform the tasks, the **New Compilation** window, in which you can choose the disc type and set the options for the disc format, opens. The **Copy CD** task is already enabled.
Create SecurDisc	Opens the Nero Express start screen. The **Data** category is already selected and you can decide whether to burn a **Data CD** or a **Data DVD**. This function is only available with a recorder that supports SecurDisc.
Burn LightScribe Label	Opens the Nero Express start screen. The **Burn LightScribe Label** category is already selected. Here, you can create and print a label. Nero Burning ROM can also be also be used for this task as an additional Nero application. If you choose this to perform the tasks, Nero Burning ROM opens. In the **CD Label Editor** window, you can create a label and print it during the burn process. This task is only available with a LightScribe recorder.
Burn Labelflash Label	Opens the Nero Express **Burn Label** window, in which you can configure the print area, print quality, and disc type. Nero Burning ROM can also be also be used for this task as an additional Nero application. If you choose this to perform the tasks, the **Burn Label** window, in which you can configure the print area, print quality and disc type, also opens. This task is only available with a Labelflash recorder.

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6.2 Create and Edit Tab

Many different tasks can be performed here. You can create disc labels or your own tracks or video files; edit photos, sound files and videos; and convert audio files into other file formats.

The following tasks are available:

Edit Your Photos	Opens Nero PhotoSnap, the starting point for editing pictures of all types, e.g. you can apply various effects to the picture.
Creating a slide show	Opens the Nero Vision start screen. The **Make Slide Show** entry is already selected. You can compile pictures into a slide show and apply effects to it here.
Compose and Scratch Audio Tracks	Opens Nero SoundTrax. The **Templates** category and **5.1 Surround Project with Autom. LFE** (Low Frequency Effect) project type are already selected. You can mix or modify the contents of an audio file here.
Edit Sound Files	Opens the Nero WaveEditor main screen with the **Sample Format Settings** window, where you can configure settings for the recording.
Author, Edit, and Capture Video	Opens the Nero Vision start screen. You can capture a video from an external capture device to a hard drive, as well as compile media files into a movie and apply effects to it.
Create Disc Label or Cover	Opens the Nero CoverDesigner window **New Document**. You can choose from a variety of layouts as well as decide the type of disc for which you wish to create a label and the type of cover for which you wish to create a cover.
Create LightScribe Label	Opens the Nero CoverDesigner **New Document** window. The **LightScribe** document type is already selected. Here, you can create and print a LightScribe label. This task is only available with a LightScribe recorder.
Create Labelflash Label	Opens the Nero CoverDesigner **New Document** window. The **Labelflash** document type is already selected. Here, you can create and print a Labelflash label. This task is only available with a Labelflash recorder.
Record Videos	Opens the Nero Recode **My DVD Backup** window. You can choose the video files you want for recoding and specify the properties for the output.

Convert Audio Files	Opens the Nero Burning ROM **Encode Files** window. You can choose the audio files you want for encoding and specify the properties for the output.

6.3 Home Entertainment Tab

You can view videos, photos or slide shows, watch television, and record and stream television programs.

The following tasks are available:

Play Audio	Opens Nero ShowTime. You can play music files here.
Play Video and Slide Shows	Opens Nero ShowTime. You can play video files and pictures here.
View Photos	Opens Nero PhotoSnap Viewer.
Watch TV	Opens Nero Live. You can watch TV here.
Record from TV	Opens Nero Live. You can record TV programs and schedule recordings.
Stream TV Programs	Opens Nero MediaHome. The **Share** category is already selected. You can select TV programs to share and to stream into the network.
Share your Music, Photos, and Videos	Opens Nero MediaHome. The **Share** category is already selected. You can select your own media files to share and stream into the network.

Nero MediaHome is a server that allows clients, e.g. playback devices that request services, such as Nero ShowTime, to play files located in shared folders on the server. Nero MediaHome is a stand-alone product from Nero and can purchased on the Internet at www.nero.com. More information is available in the Nero MediaHome user manual available for download from www.nero.com free of charge.

6.4 Back Up tab

On this tab you can schedule, restore, and perform backups, or you can create a disaster recovery disc.

The following tasks are available:

Back Up	Opens the Nero BackItUp **Backup** screen. You can choose files you want to back up and then initiate the backup process. A wizard guides you step by step through the data backup process.
Restore Backups	Opens the Nero BackItUp **Restore** screen. You can choose available backups and start the restore process to return the data backed up to its original status. A wizard guides you step by step through the restore process.
Schedule Backups	Opens the Nero BackItUp **Jobs** screen. Jobs are scheduled backups that are automatically executed by Nero BackItUp at a defined time. For example, you can schedule regular backup cycles. To be able to perform a job, the computer must be on and an operating system must be booted up. Because it can work in the background, Nero BackItUp does not have to be started to execute a job.
Create Disaster Recovery Disc	Opens the Nero BackItUp **Create Bootable Disc** window. When you back up a drive, the backup file is usually quite large. You will probably need several discs. The first backup disc is always a bootable disc. If you do not burn the backup to discs, it is still quite useful to create a bootable disc so that you can start the computer (and the drive restore) from CD/DVD in the event of an emergency. You can do this here.
Copy Disc	Opens the Nero Express start window. The **Image/Project/Copy** category is already selected and you can decide whether to **Copy Entire Disc** or to create a **Disc Image**. Nero Burning ROM can also be used for this task as an additional Nero application. If you choose this to perform the tasks, the Nero Burning ROM **New Compilation** window, in which you can choose the disc type and set the options for the disc format, opens. The **Copy CD** task is already enabled.
Restore Data	Opens Nero RescueAgent. You can quickly and easily recover files from storage media that, for instance, have been damaged by scratches or cannot be read correctly due to age.

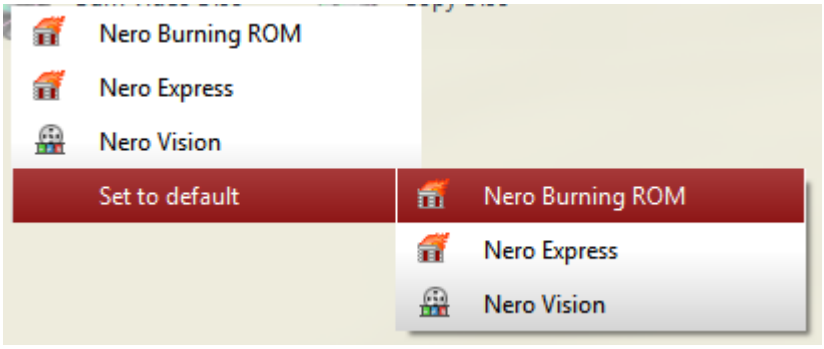
Nero BackItUp is a tool for backing up and restoring data. Nero BackItUp is a stand-alone product from Nero and can purchased on the Internet at www.nero.com. More information is available in the Nero BackItUp user manual available for download from www.nero.com free of charge.

6.5 Selecting Default Applications for Tasks

All tasks are linked to Nero applications. Click the task symbol with the right mouse button to see the applications. If you have not installed the respective application, the task is unavailable. If more than one Nero application is suitable for the task, you can choose which should be the one used by default.

To choose a default application, proceed as follows:

1. Right-click the task symbol.
   → The linked Nero applications are displayed and the **Use as Default** drop-down menu is displayed.



Choose Default Application

2. Click the desired entry.
   → In the future, the selected Nero application will open when you click the respective task.

7 Technical Information

7.1 System requirements

Nero StartSmart 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.

7.2 Nero StartSmart Versions

Nero StartSmart is available with the full range of features in all Nero Suite versions.

8 Glossary

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.

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.

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.

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.

Nero Digital

Various MPEG-4 video and audio codecs are collated in Nero Digital and are fully compatible with the standard MPEG-4. Nero AG is continuing to develop these. In this way a substantially higher quality of the multi-media data is achieved. Further, additional features such as subtitles have been implemented.

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 and duplication. SecurDisc can only be burned and password protected with a SecurDisc drive. Access with other drives is only possible to a limited extent. The following disc formats are supported, although without the copy protection feature: DVD+R(W), DVD+-R DL, DVD-RAM and CD-R(W).

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10 Contact

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