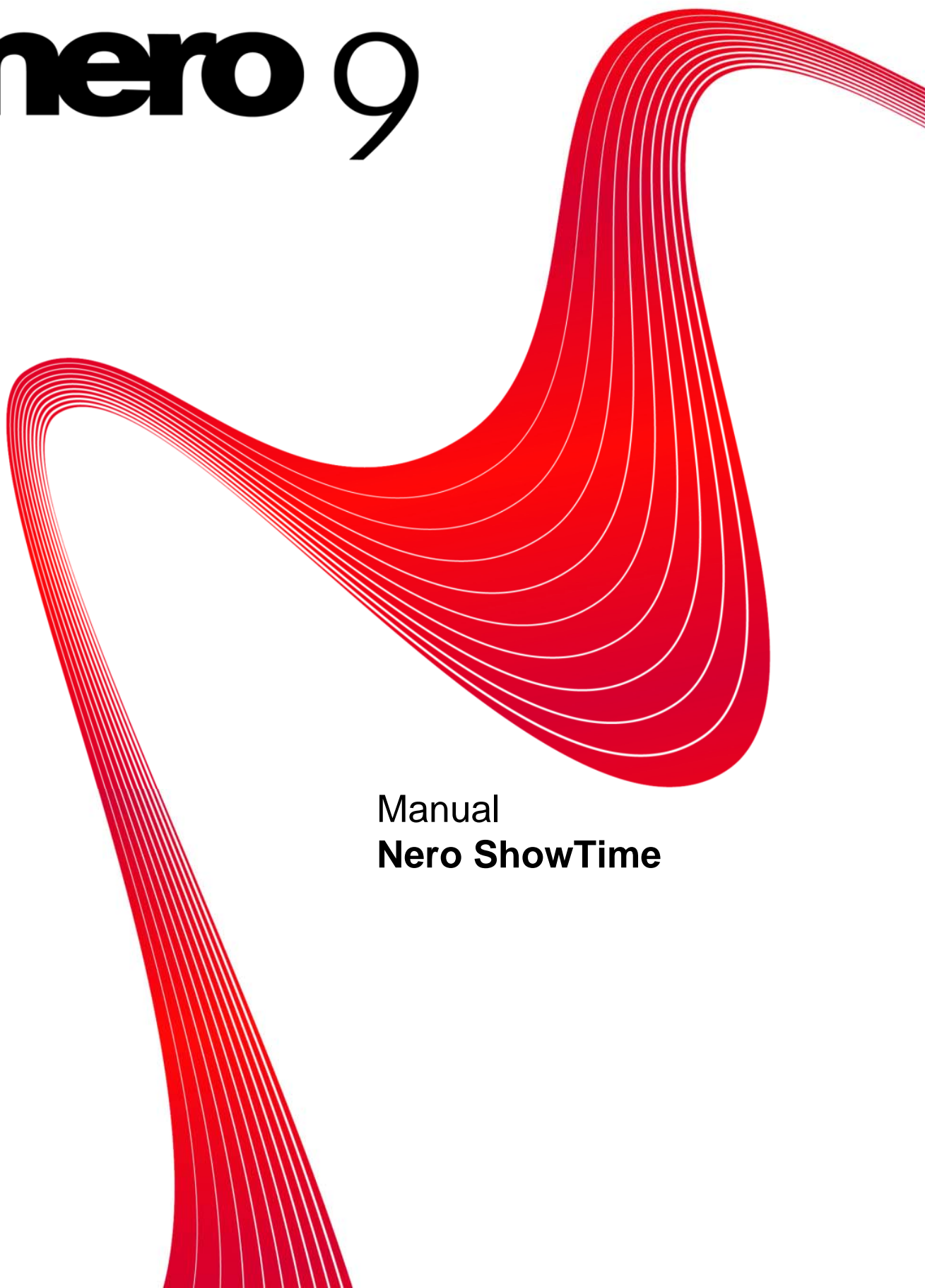


nero 9



Manual
Nero ShowTime

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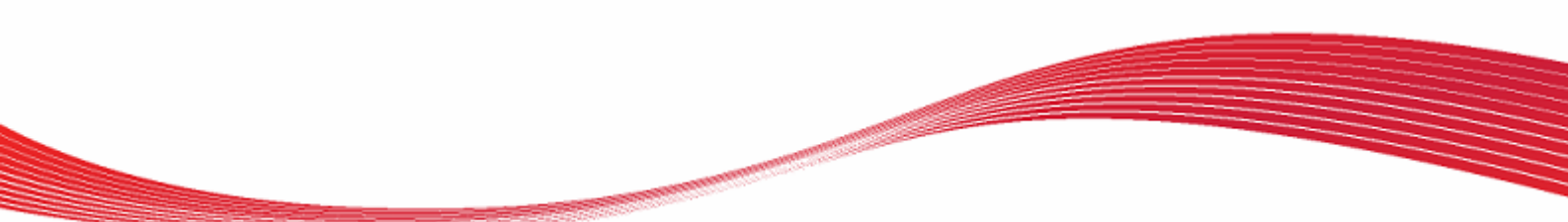
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1 Start Successfully

1.1 About the manual

This manual is intended for all users who want to learn how to use Nero ShowTime. 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.
<u>(see...)</u>	Indicates references to other chapters. They are executed as links and are shown in red and underlined.
[...]	Indicates keyboard shortcuts for entering commands.

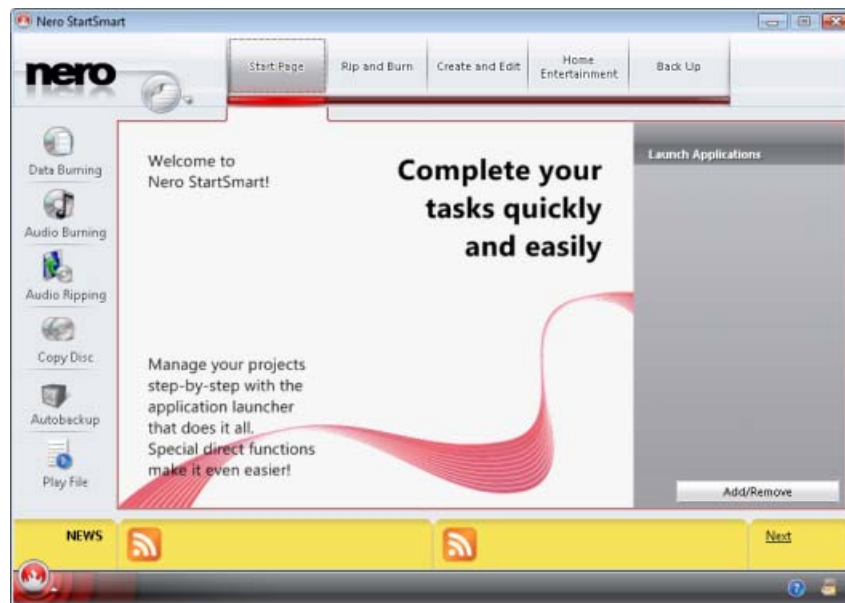
1.2 About Nero ShowTime

Use Nero ShowTime to play all digital recordings (movies, TV programs, home videos, and DVD videos) with excellent picture and sound quality. You can also use it to play Audio CDs. Nero ShowTime has a reminder feature for each inserted disc, and during playback you can create screenshots for the video being shown. The playback window can be scaled down or viewed in full-screen mode. Playlists can be conveniently created and managed for the files you want to play.

2 Launching the program

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

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



Nero StartSmart window

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

3 Program Interface

The Nero ShowTime program interface is the starting point from which you can play videos and listen to music.

The program interface consists of a playback window for videos and a control bar. You can use the control bar to select a file or video for playback, open the Options window, adjust the volume, control playback, and see information regarding the file that is currently being played.





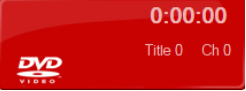

















Program Interface



Thumbnail View

The following setting options are available:

?	Shows the Help file. [F1]
⤴	Opens the Options menu. [Ctrl+C]
⏏	Displays the control bar in thumbnail view. This button is only available during full-screen mode playback, and does not provide all buttons.
—	Minimizes Nero ShowTime in the taskbar.

	Switches between full-screen and normal view. [Z]
	Exits Nero ShowTime.
	Displays the activated feature, title, current chapter, running time and more. The cover for the Audio CD is shown here during Audio CD playback if a matching entry is found in the Gracenote media database. Double-clicking the running time opens the Seek to Time window. Here you can select a running time. [Ctrl+G]
	Switches to mute/loud. [Q]
	Adjusts the volume.
	Navigates steplessly (no chapter boundaries).
	Jumps to the previous chapter or to the previous media file. [P]
	Selects a rewind speed or rewinds. [Alt+F]
	Rewinds and fast forwards within the track. The farther the wheel is moved in one direction, the faster it winds.
	Starts playback. [Enter]
	Selects a fast-forward speed or fast forwards. [F]
	Jumps to the next chapter or to the next media file. [N]
	Pauses playback. [Space] Playback is resumed by clicking the  button or the  button again.
	Ends playback and shows the start screen. [S]
	Depending on the playback, this opens the selection of available menus or a track selection. [L]
	Plays the titles in the Audio CD or in the current playlist in random order. Each track is played only once.
	Selects a disc or playlist to be played. [O]
	Opens the Playlist window.



Nero ShowTime plays discs (e.g. DVD-Videos and Audio CDs) as well as files on your hard drive. The setting options are not enabled for every type of playback; they may be grayed out and cannot be used.



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3.1 Extended Area

An extended area can be opened on the control bar with the arrow button. This area provides advanced selection and setting options.



Program interface – Extended area

The following operating elements are available in the extended area:

	Opens/closes the extended area.
	Allows you to jump to chapters immediately when playing back VCDs and Audio CDs.
	Changes the language. [H]
	Opens subtitle selection. [U]
	Changes the perspective if the movie provides different camera settings for individual scenes. [Ctrl+A]
	Switches between the channels on a karaoke DVD. This option is only available if a karaoke DVD is inserted. [K]
	Adds a bookmark. [M]
	Jumps to the next bookmark. [G]
	Repeats a chapter, a title or everything. [Ctrl+R]
	Repeats a section or stops repeating. [R] Depending on the format, this button first sets two markers between which the chapter or title is repeated.
	Activates/deactivates the digital zoom. [Ctrl+D]



Creates a frame, i.e. a picture of the current playback window. [Alt+C] The frame is stored in the folder that you specified in Options.
This feature is only available if hardware acceleration is disabled.

4 Media File Playback

With Nero ShowTime you can play or play back various file types. You can select the following files to play:

- Video file
- Video movie that is available in a video folder structure, on a DVD or hard drive for instance
- Audio file
- Audio CD
- Image file

You can start files from different sources. To select the source, click the  button.


4.1 Playing Video from Disc

You can use Nero ShowTime to play video files from a disc, for example a DVD-Video.



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

To play video files from a disc, proceed as follows:

1. Insert the disc into the drive.
 - Playback starts automatically. If playback does not start automatically, use the  button to select the drive where the disc is located.
 - The disc is played. The control bar and extended area are available for regulating playback.



If a DVD-Video has already played, the **DVD Auto-Resume** window opens. Here you can choose whether the Video-DVD should be resumed at the last point viewed or started at the beginning.


See also:

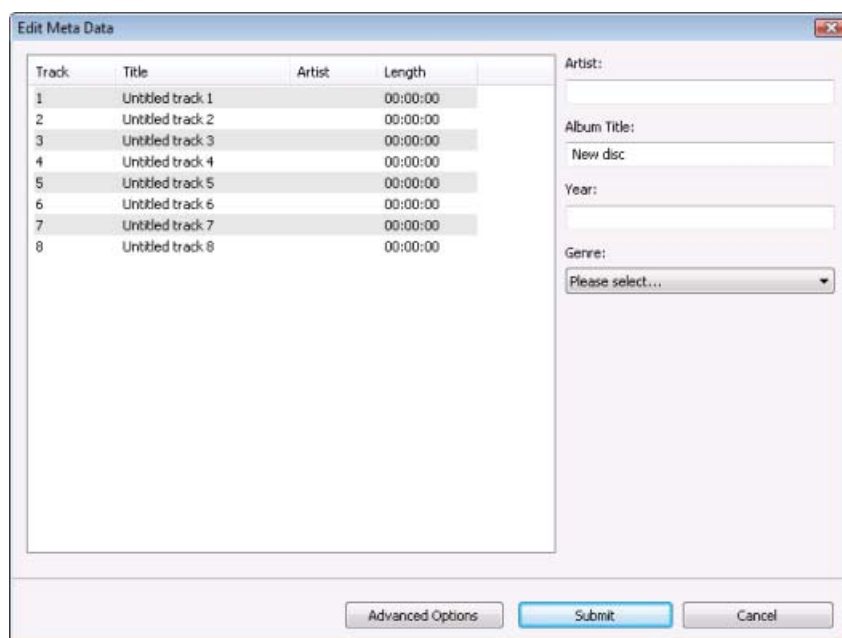
 [Creating a Playlist](#) → 25

4.2 Play Audio CD

Nero ShowTime plays an Audio CD. The Audio CD can be automatically identified with Gracenote MusicID when it plays. Metadata (e.g. artist, album title, genre, track title) is accessed by the Gracenote Media Database and assigned to the tracks. Gracenote Album Art provides the matching album cover for the Audio CD.

To play an Audio CD, proceed as follows:

1. Insert the Audio CD into a drive.
 - Playback starts automatically. If playback does not start automatically, use the  button to select the drive in which the disc is located.
 - The disc is analyzed and the required information is sent to Gracenote. If a Gracenote Media Database entry matches your Audio CD exactly, the metadata is applied and displayed in the playlist and info area.
 - If several entries are found, the **Matches** window opens and the possible metadata records are displayed.
2. Select the metadata record that matches your Audio CD.
3. Click the **Send New Data** button if none of the metadata records match your Audio CD.
4. 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.

5. If necessary, edit the metadata (e.g. title, artist, album title, year, genre).
6. Click the **Advanced Options** button to add information.
 - The **Gracenote MusicID Information** window, which originates from Gracenote, opens. After entering the additional information, you have to close the window so that the **Edit Metadata** window displays again.


7. Click the **Submit Data** button.
 - Changed or new Audio CD metadata is sent to Gracenote and added to the Gracenote Media Database.
 - The **Edit Metadata** window is closed and the information displays in the playlist and info area.
 - The disc is played and the album cover is displayed in the playback window. The control bar and extended area are available for regulating playback.



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4.3 Playing Audio and Video Files from the Hard Drive


To play an audio or video file from the hard drive, proceed as follows:

1. Click the  button.
 - The selection list of the playback source opens.



Selection list of the playback source

2. To play the content of an entire folder or a video title (e.g. a Video-DVD movie copied to the hard drive) located in a folder:
 1. Select the **Folder** entry.
 - The **Select Folder** window opens.
 2. Select the folder you want and click the **OK** button.
 - If the folder has a video title, the video movie is played. If the folder contains other media files, the files are played in alphabetical order. During playback you can use the  button to view the playlist and select individual files.
3. If you want to play one single file:
 1. Select the **File** entry.
 - The **Open** window opens.
 2. Select the file (audio, image or video file) you want and click the **Open** button.
 - The file is played.

- You have played audio or video files from the hard drive. The control bar and extended area are available for regulating playback. The  button makes the selected files available in the Quick Playlist for repeated playback.

See also:

-  [Playlist window](#) → 19

5 Playing Streamed Media

Nero ShowTime lets you play streamed media. Streaming refers to the continuous transmission of data from the Internet or a network; the data can be played while it is being transmitted. This means it is no longer necessary to wait until a media file is completely transmitted before playing it.

5.1 About playing Nero MediaHome streamed TV channels

If a Nero MediaHome server is started in the network and has made TV channels available for streaming, you can watch television using Nero ShowTime.




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 be 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.

The following requirements have to be fulfilled:

- The PC is part of a (UPnP) network in which a Nero MediaHome server has been launched.
- TV channels have been selected for streaming in Nero MediaHome (see the Nero MediaHome user manual for how to do this and the system requirements for Nero MediaHome).

To watch television with Nero ShowTime, follow the steps below:

1. Click the  button.
 - The playlist opens.
2. Click the **UPnP** tab.
 - Nero ShowTime searches for a Nero MediaHome network and the TV channels of the network.
3. Select a channel of your choice in the **MediaHome network** entry.
4. To add the channel to the playlist, click the **Add to Existing Playlist** button.
5. Click the **Play** button.
 - Nero ShowTime starts playback.

See also:


 [Playlist window](#) → 19

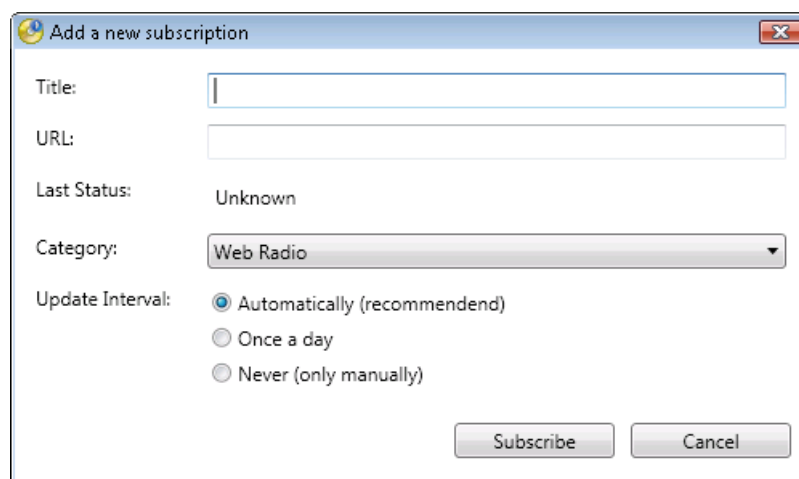
5.2 Playing Web Media

With Nero ShowTime you can enter and play Web media from the Internet. This includes audio, video and image casts web radio and web TV.

A cast is a series of posts (audio, video, or pictures) on the Internet to which you can subscribe with a news feed.

To enter and play web media, proceed as follows:

1. Click the  button.
→ The playlist opens.
2. Click the **Web Media** tab.
→ The **Playlist** window opens.
3. Click the **Add URL** tab to enter new web media.
→ The **Add a New Subscription** window opens.




Add a new subscription

4. Select the desired category for the subscription in the **Category** drop-down menu.
5. Enter a name for the entry in the **Title** edit box.
6. Enter the Internet address for the entry in the **URL** edit box.
7. Use the radio buttons in the **Update Interval** area to specify the the updating frequency for the entry.
8. Click the **Subscribe** button.
→ You have subscribed to the web media. A folder is created under the **Web Media** tab and the feeds are saved in this folder.
9. Choose the web media you want and click **Play**.
→ Nero ShowTime starts playback.



Time delays may occur because the files are transmitted in real time and are not stored locally.

See also:

-  [Playlist window](#) → 19
-  [My Nero Video RSS Feeds](#) → 24

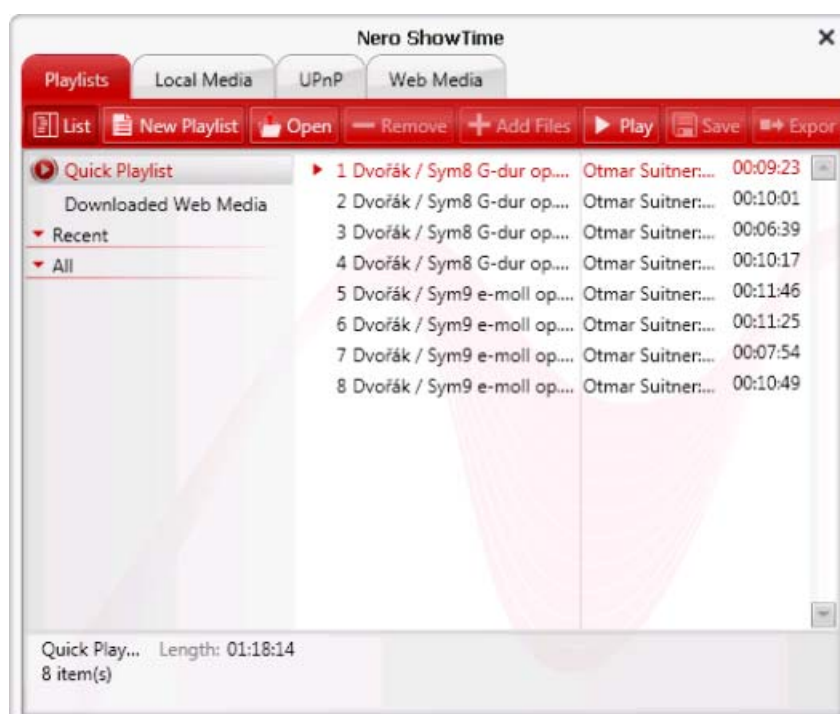
6 Playlist

You can use Nero ShowTime to create playlists for playback. These playlists may include media files in different formats. During playback, the files are played in the order in which you compiled them. You can save the created list and load it at a later time to play it again or to edit it quickly and easily. In addition, you can load and play playlists that have been created by other programs.

The media files can be from your hard drive, from a UPnP network, or from the Internet.

6.1 Playlist window

The Playlist window is the starting point from which you can create, load, and save playlists, as well as select files for playback. The window consists of four tabs.



Playlist window

The following tabs are available:

Tab Playlists	Shows your playlists. Playlists can be created, loaded, edited, and played.
Tab Local Media	Displays the contents of the PC and network folders. Media files can be added to a playlist.

Tab UPnP	Displays media files in the local network. Media files can be shared between your PC and other PCs with compatible software (e.g. Nero MediaHome or Nero MediaStreaming), or between your PC and UPnP devices.
Tab Web Media	Provides the option of entering and playing web media such as web TV and audio casts.

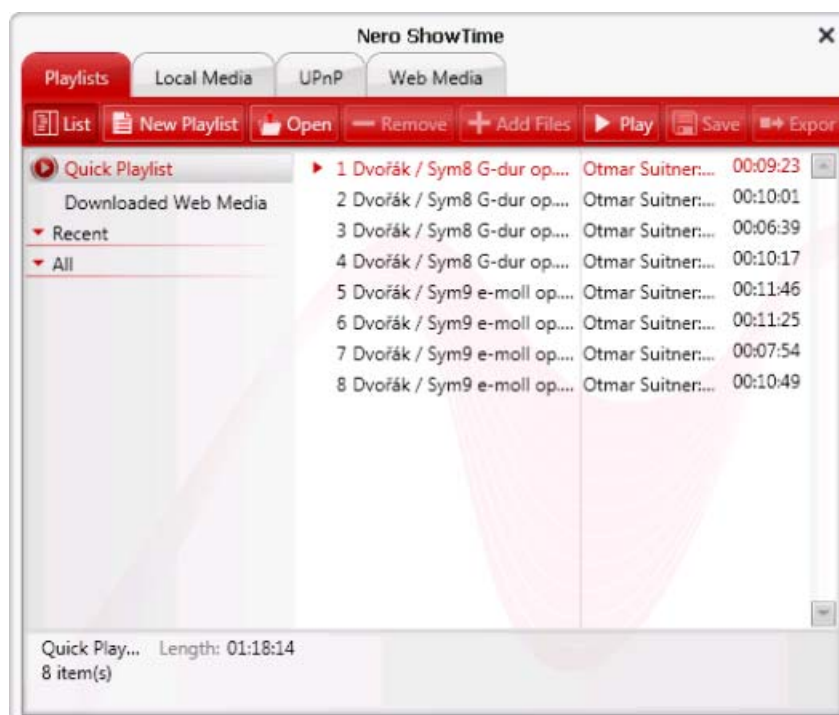


Nero MediaHome is a server that allows clients, e.g. playback devices that request services, such as Nero ShowTime, to play files located in shared folders on the server. Nero MediaHome is a stand-alone product from Nero and can be purchased on the Internet at www.nero.com. More information is available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

6.1.1 Playlists Tab

There are two areas available under the **Playlists** tab. The left area provides an overview of all playlists. The right area lists the contents of a selected playlist.

If the playlist's content consists of music files, the artist, title, and track time of the title are shown. With the **Get Metadata** entry in the context menu, you can have Audio CDs be identified with Gracenote MusicID and call up metadata, such as artist and title, from the Gracenote media database.



Playlists

The following setting options are available on the **Playlists** tab:

Button List	Displays or hides the playlist overview.
Button New Playlist	Creates a new playlist that you can save with a name of your choosing, and to which you can save media files for playback.
Button Open	Opens the Add Links on Playlists window. The File Type drop-down menu shows all available playlist formats. Choose a playlist here in order to show and play it in Nero ShowTime.
Button Remove	Removes a playlist or an individual entry from a playlist.
Button Add Files	Opens the Add Files to Playlist window. Select media files here in order to add them to the selected playlists.
Button Play	Plays the selected playlist, starting with the selected playlist entry.
Button Save	Saves the selected playlist with the name chosen in the Documents > Nero Collections folder as an M3U Playlist.
Button Exporting	Saves the selected playlist. You can choose any name, folder, and playlist format during the process.

The following setting options are available in the left area:

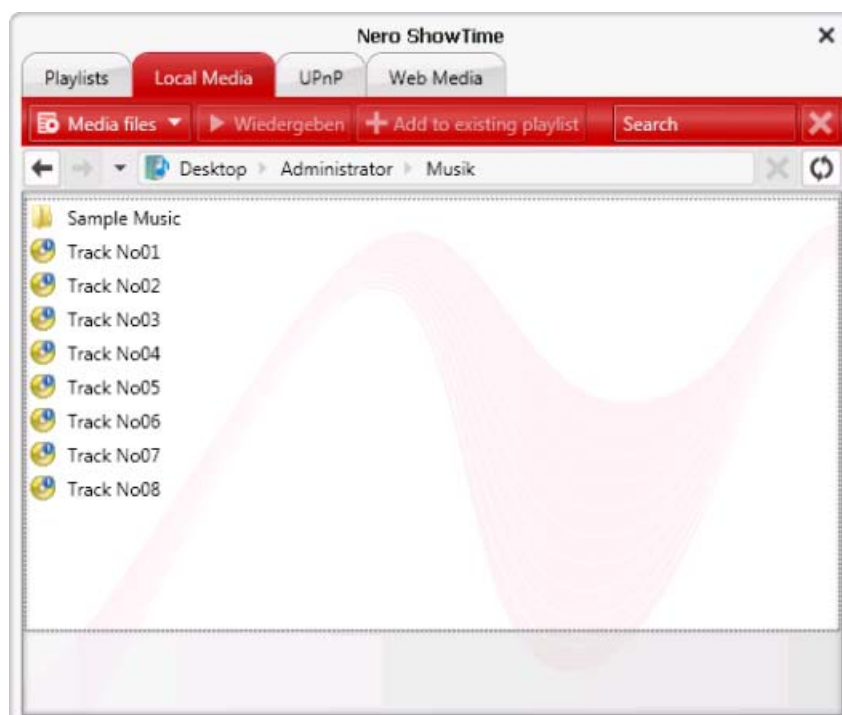
Quick Playlist	Shows the files you last played. The Quick Playlist only shows files that are not stored inside their own playlist. If you start an Audio CD, the files located on the Audio CD are also shown in the Quick Playlist .
Downloaded Web Media	Shows all files that you have downloaded from the Internet.
Recent	Shows the last playlists that you played.
All	Shows all stored playlists.



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6.1.2 Local Media tab


The **Local Media** tab allows you to select media files located on your PC or network folders.



Local Media

The following setting options are available on the **Local Media** tab:


Drop-down menu Media File	Selects the media that should be shown. You have the option of filtering in order to show only picture, music, or video files, or of showing all files.
Button Play	Plays a selected file.
Button Add to existing playlist	Opens the Select Playlist window. You can select a playlist to which you can add this file.
Input field Search	Searches for the name that you entered in the input field - in the folder that you selected.
Button X	Ends the search and deletes the search term that you entered in the Search input field.
Button Back arrow	Moves a folder up.

Button Forward arrow	Moves a folder down. This button is only enabled if you have moved one folder up previously by using the Back arrow button.
Button 	Updates the view.

6.1.3 UPnP tab

The **UPnP** tab gives you the option of selecting media files located on a UPnP network, such as Nero MediaHome.

The following setting options are available on the **UPnP** tab:

Drop-down menu Media File	Selects the media that should be shown. You have the option of filtering in order to show only picture, music, or video files, or of showing all files.
Button Play	Plays a selected file.
Button Add to existing playlist	Opens the Select Playlist window. You can select a playlist to which you can add this file.
Button Back arrow	Moves a folder up.
Button Forward arrow	Moves a folder down. This button is only enabled if you have moved one folder up previously by using the Back arrow button.
Button 	Updates the view.

6.1.4 Web Media tab

The **Web Media** tab gives you the option of downloading, entering, and adding web media.

The following setting options are available on the **Web Media** tab:

Drop-down menu Media File	Selects the media that should be shown. You have the option of filtering in order to show only picture, music, or video files, or of showing all files.
Button Play	Plays a selected file.

Button Add URL	Opens the Add a New Subscription window, where you can enter web media (web TV, web radio, or media casts). The web medium is shown in the Web Media tab.
Button Download	Downloads the selected media file from the Internet and saves it to the hard drive. You can select several media files for downloading, but only one media file at a time will be transferred. The downloaded media files are automatically added to the Downloaded Web Media playlist.

6.1.4.1 My Nero Video RSS Feeds

If you have My Nero Community activated, you can also use Nero ShowTime to display **My Nero video RSS feeds** and play the content. By default a number of feeds are already provided for you in Nero ShowTime.

You can access My Nero Community at <http://my.nero.com>. This is where registered users can manage blogs, publish multimedia files to share with other users and more.

In addition to the default feeds, other video feeds recommended for viewing by a My Nero Buddy are available to My Nero users. These recommendations can be found in My Nero Community under **Buddies Recommended**.


To use My Nero Buddy feeds, you must be registered with My Nero Community. You also have to store your access data in the Nero ControlCenter. For more information, please see the Nero ControlCenter manual.

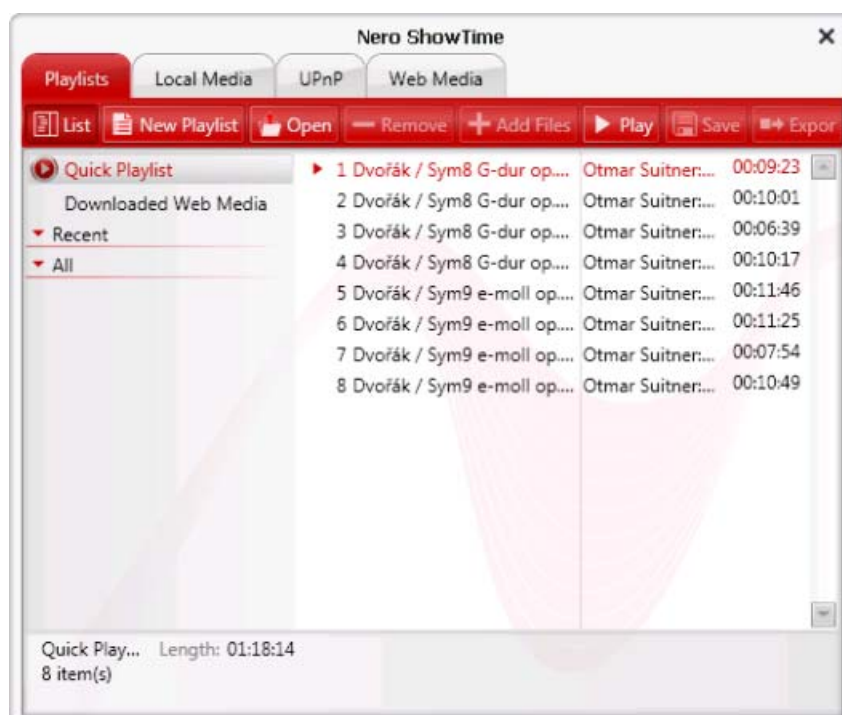
See also:

 [Playing Web Media](#) → 16


6.2 Creating a Playlist

To create and save a playlist, proceed as follows:

1. Click the  button.
→ The Playlist window opens.



Playlist



2. Click the **New Playlist** button.
→ A new playlist is created in the left area under **All**.
3. Enter a name for the playlist, e.g. **Hits**, and press the **Enter** key on your keyboard.
4. Click the **Add Files** button.
→ The **Add Files to Playlist** window opens.
5. Select the files to add to the playlist and click the **Open** button.
→ The files are now available in the playlist. You can add more media files to the playlist from the **Local Media** and **UPnP** tabs by using the **Add to Existing Playlist** button. You can now playback the playlist by clicking the **Play** button. To close the window without starting playback, click the  button.

See also:

 [Playlist window](#) → 19

6.3 Loading and Playing a Playlist

To load and play a saved playlist, proceed as follows:


1. Click the  button.
 - The Playlist window opens.
2. Click the **Open** button.
 - The **Add Playlist Links** window opens.
3. Select the playlist you want to load and click the **Open** button.
 - The playlist is available in the Playback window in the **Playlists** tab.
4. To play this playlist, select it and click the **Playback** button.
 - Nero ShowTime starts by playing the playlist. During playback you can use the  button to view the list and select individual files.

See also:

 [Playlist window](#) → 19

6.4 Editing a Playlist

To edit a saved playlist, proceed as follows:

1. Click the  button.
 - The Playlist window opens.
2. Select the desired playlist.
3. To add files to the playlist:
 1. Click the **Add Files** button.
 - The **Add Files to Playlist** window opens.
 2. Repeat the last step for each file to be added to the playlist.
4. To remove files from the playlist:
 1. Select the file you want to remove.
 2. Click the **Remove** button.
 - The file is removed from the playlist.
 3. Repeat the last step for each file that is to be added to the playlist.
5. To re-sort the files of the playlist:
 1. Right-click to open the context menu.
 2. Select the **Sort list** entry.
 - The sub-entries are displayed. Select the sorting criterion you want here. You can also do a random sort of the list.
6. To save the playlist under a new file name:
 1. Click the **Export** button.

- The **Export Playlist** window opens.
- 2. Enter the desired file name in the **File Name** edit box.
- 3. Choose a playlist format from the **Save As** drop-down menu.
- 4. Select the required folder.
 - The playlist is saved.
- 7. To save the changes made to the playlist:
 1. Click the **Save** button.
 - The **Save As** window opens.
 2. Select the file name of the selected playlist.
 3. Click the **Save** button.
 - The selected playlist is overwritten.
 - You have successfully edited a saved playlist.

See also:

 [Playlist window](#) → 19


6.5 Identifying Audio Files

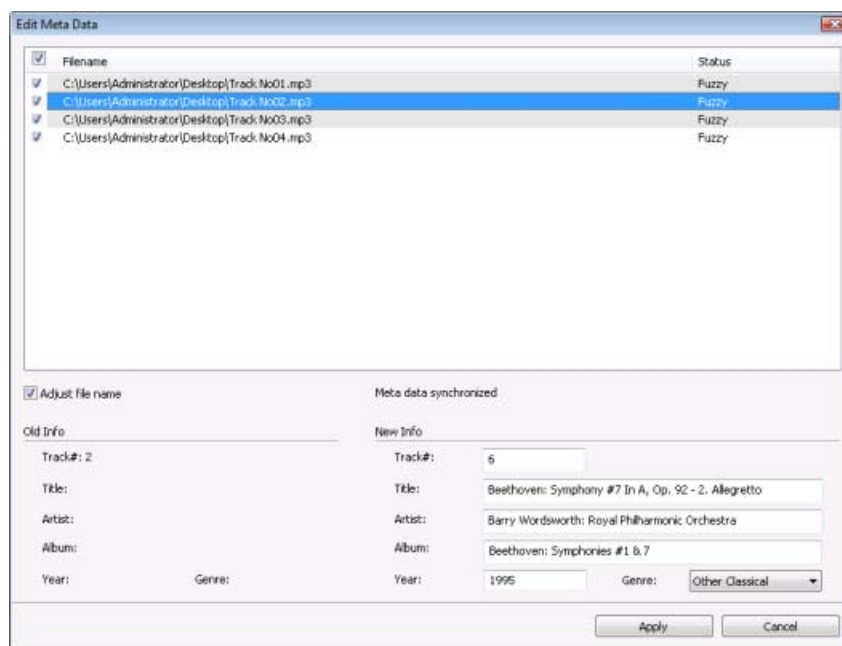
You can have the added audio files in the playlist identified with Gracenote MusicID and access metadata such as artist and title from the Gracenote Media Database. This is particularly useful when audio files are not named or are only partially named. The metadata provided by Gracenote MusicID is used for display purposes and is also written to the audio files.



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.

To do this, proceed as follows:

1. Click the  button.
 - The Playlist window opens.
2. Choose a playlist.
3. Select one or more audio files from the playlist.
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 from Gracenote is displayed in the **New Info** area.



Edit MetaData window

6. If necessary, edit the metadata (e.g. track number, track title, artist, album title, year, genre).
7. Click the **Apply** button.
 - The **Edit MetaData** window closes.
 - The metadata is written to the audio file and displayed in Nero ShowTime.

See also:

 [Metadata](#) → 46

7 Control During Playback

7.1 Navigation bar











During playback in full-screen mode, you can display the navigation bar by moving the mouse pointer to the top of the screen. In addition to the playback duration being displayed, various control options are made available to you.



Which buttons are shown in the navigation bar depends on your settings in Options.



The following setting options are available:

	Opens the Options window. [Ctrl+C]
	Switches between full-screen and normal view. [Z]
	Jumps to the previous chapter or to the previous media file. [P]
	Starts playback. [Enter]
	Jumps to the next chapter or to the next media file. [N]
	Interrupts playback, then continues it after a second click. [Space]
	Ends playback. [S]
	Creates a frame, i.e. a picture of the current playback window. [Alt+C] The frame is stored in the folder that you specified in Options (see Capture Frame → 35).
	Ejects the disc. [J]
	Navigates steplessly (no chapter boundaries).

See also:

 [Configuring the navigation bar](#) → 37

7.2 Context menu

You can use the context menu to control Nero ShowTime during playback. It is not configurable. The functions of the individual entries correspond to the buttons on the program interface.

The following entries are also available:

Help	Opens the Nero ShowTime help.
Tutorial	Opens the www.nero.com tutorials page, where you can download interactive tutorials for Nero products free of charge.
About	Opens the About Nero ShowTime window, where you will find information such as the version number.

7.3 Controlling external subtitles

With Nero ShowTime you can control the external subtitles of a movie during playback. External subtitles mean that the subtitle information is not in the movie but rather in an external file in a special format.





If the subtitle file is in the same folder as the movie and has the same name, Nero ShowTime detects the subtitle file automatically and displays it in accordance with the selected setting.

The following requirements have to be fulfilled:

- The movie is being played back.
- Playback of external subtitles is enabled.


To control subtitles, proceed as follows:

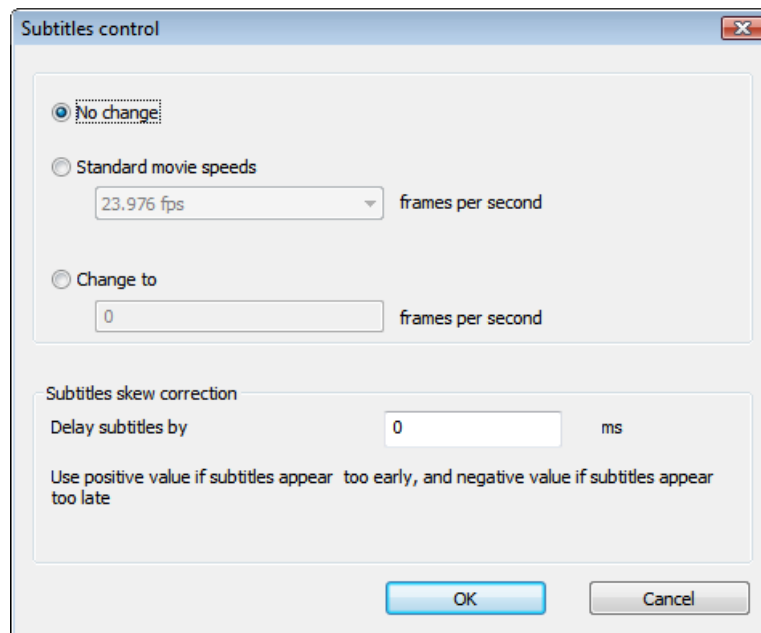
1. To have subtitles displayed from an external file:
 1. Display the expanded area.
 2. Click the  button.
 3. Click the **External subtitles adjustment > Add subtitles to list** entry.
 - A browser window opens.
 4. Select the desired subtitles and click the **Open** button.
 - The subtitles are added to the subtitles list and displayed in the movie.
2. If the movie and subtitles are not synchronized and you want to synchronize them:
 1. Display the expanded area.
 2. Click the  button.
 3. Click the **External subtitles adjustment > Subtitles control** entry.
 - The **Subtitles Control** window opens.
 4. Select the **Standard movie speeds** or **Change to** radio button to adapt the speed of the subtitles to the movie.
 5. Enter a value in the **Delay subtitles by** edit box to synchronize the subtitles to the movie.
 6. Click the **OK** button.
 - The changes are applied.
 - You have displayed the subtitles and controlled the running time.

See also:

 [Subtitles control window](#) → 31

7.4 Subtitles control window

If the subtitles are not in synch with the movie, you can adjust the subtitles with Nero ShowTime in the **Subtitles Control** window. You can open the window during the movie in the expanded area of the control bar using the  > **Adjust external subtitles** > **Control Subtitles** button.



Subtitles Control window

The following setting options are available:


Radio button No change	Retains the speed of the subtitles.
Radio button Normal movie speed	Chooses a different speed for the subtitles. The standard frame rates of 23.976 (for NTSC), 24.25 (for PAL), 29.97 (for NTSC), and 30 frames per second are available in the drop-down menu. Choose this setting option if the speeds for the movie and the subtitles are different from each other. This happens, for example, when the movie is coded in NTSC, but the subtitles are coded in PAL (or vice versa).

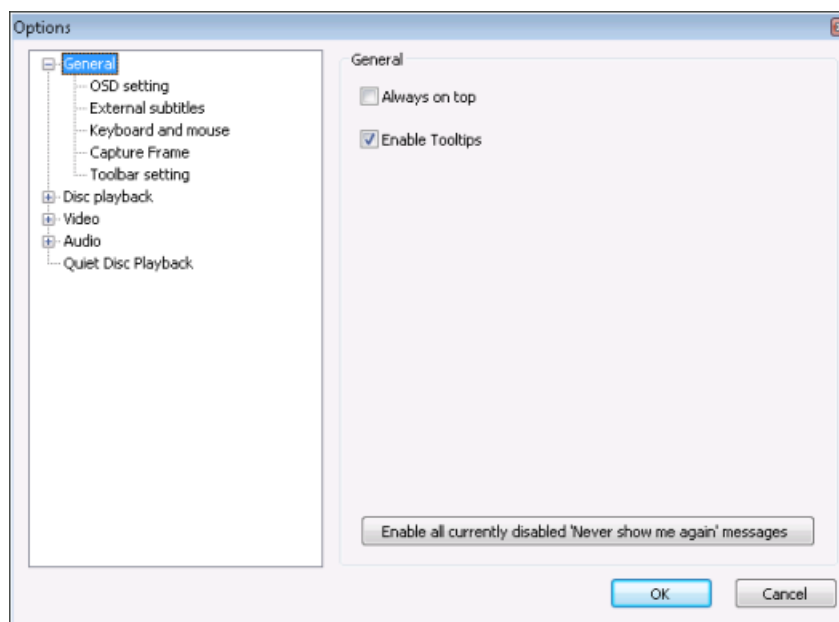
Radio button Change to	Specifies a user-defined speed for subtitles. You can specify a value between 0 and 200 frames per second. Choose this setting option if the speeds for the movie and the subtitles are different from each other and the default settings in the Normal movie speed drop-down menu are not sufficient to fix this.
Input field Delay subtitles by	Defines a synchronization time in milliseconds. Enter a positive value in order to delay subtitle displays. Enter a negative value in order to display subtitles earlier. Choose this setting option if the movie and the subtitles have the same movie speed but are not running synchronously.

See also:

 [External Subtitles](#) → 35

8 Options Window

The **Options** window provides various options for customizing the appearance of the Nero ShowTime interface and for configuring settings according to your requirements. The window can be opened using the  button. It consists of a navigation tree and a screen area. Depending on the entry that is selected in the navigation tree, a different screen area is displayed.



Options Window

8.1 General settings

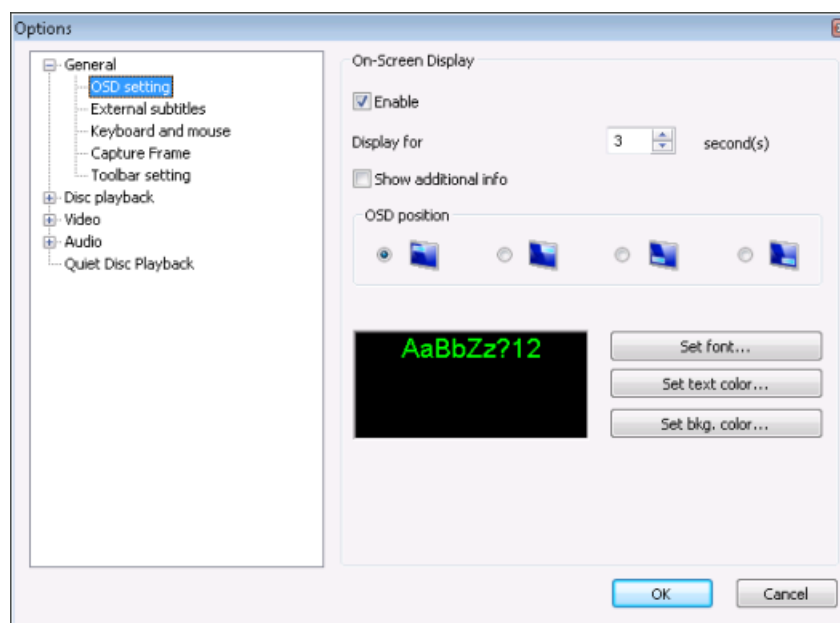
The **General** entry provides, e.g. configuration options for the keyboard and mouse, as well as for configuring the navigation bar.

The following setting options are available:

Check box Always on top	Nero ShowTime remains in the foreground even if other programs are started.
Check box Enable Tooltips	Enables Tooltips.
Button Enable all currently disabled "Never show me again" messages	Re-enables all windows that you had disabled with the "Never show me this message again" check box.

8.1.1 OSD setting

The **OSD setting** entry contains configuration options for the on-screen display. The on-screen display indicates the current procedure in the playback window such as "Play" or "Volume increased."



Options – OSD setting window

The following setting options are available:

Check box Activate	Enables/disables the on-screen display, i.e. process messages in the playback window. If the on-screen display is enabled, the current process is displayed in the playback window.
Input field Display for	Defines the time of the on-screen display in seconds.
Check box Display extra information	Enables display of additional information, e.g. about the video stream bit rate and audio encoding.
Radio buttons OSD position	Defines the position of the on-screen display in the playback window.
Button Set font	Defines the font for the on-screen display.
Button Set text color	Defines the text color for the on-screen display.

Button Set background color	Defines the background color for the on-screen display.
---------------------------------------	---

8.1.2 External Subtitles

The **External subtitles** entry allows you to enable external subtitles and to define the display.

The following setting options are available:

Check box Enable external subtitles	Enables display of external subtitles. External subtitles are only available if the relevant file with external subtitles is saved in the same directory as the selected film.
Buttons New font / text color	Defines the font and text color of the subtitles.
Check box Use shadow	Enables shadows around external subtitles.
Input field Pixel	Defines the pixel width of the shadow.

8.1.3 Keyboard and mouse

The **Keyboard and mouse setting** entry contains configuration options for control via the keyboard and mouse.

The following setting options are available:

Button Use mouse wheel for	Specifies which function should be assigned to the mouse wheel during playback. The Volume , Time and Previous/Next Chapter entries are available.
Check box Inverse	Inverts the mouse wheel's function.
Input field Time seek duration	Defines the time interval in seconds that makes it possible to jump forwards and backwards in the program using the ◀ and ▶ buttons.

8.1.4 Capture a frame

The **Capture Frame** entry provides configuration options for the frame. A frame is a snapshot of the playback window.

The following setting options are available in the **Capture to** area:

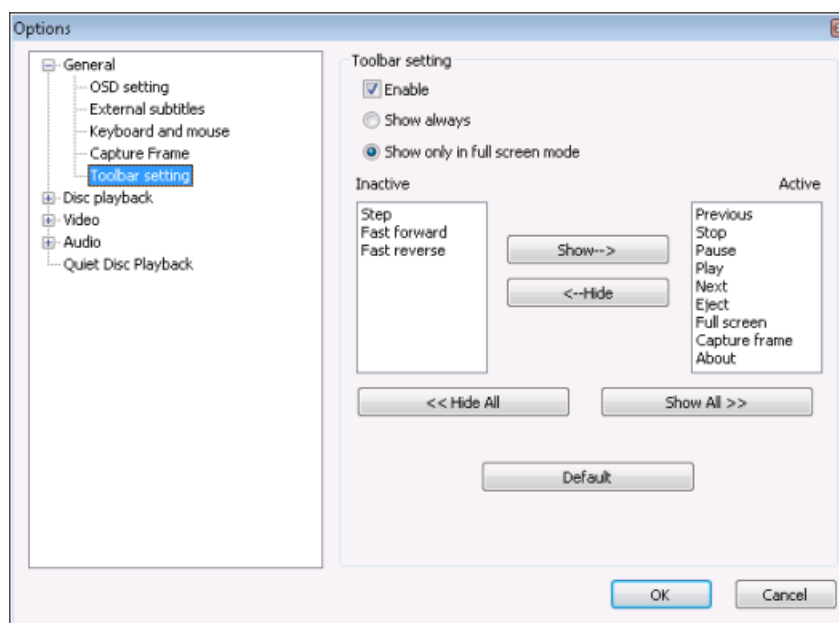
Radio button Clipboard	Depending on the configuration of your PC saves one picture only.
Radio button Background image	Saves one frame immediately as the desktop wallpaper. In the combo box select how the frame should be displayed on the desktop.
Radio button File	Numbers your frames and saves them in BMP format.
Button Screenshot Folder	Defines a folder where the images are saved.
Radio button Printer	Sends a frame directly to the printer.

The following setting options are available in the **Captured aspect ratio** area:

Radio button Original video source size	Saves the frame in the original aspect ratio of the movie.
Radio button Current video window size	Saves the frame in the current aspect ratio of the playback window.

8.1.5 Configuring the navigation bar

The **Navigation bar setting** entry provides configuration options for the navigation bar. The navigation bar is used principally so that the entire control panel does not need to be displayed during playback. It is displayed at the top of the screen during playback if you move the cursor to this position and provides selection and configuration options for the movie being shown (see [Navigation bar → 29](#)).



Options – Navigation Bar Setting window

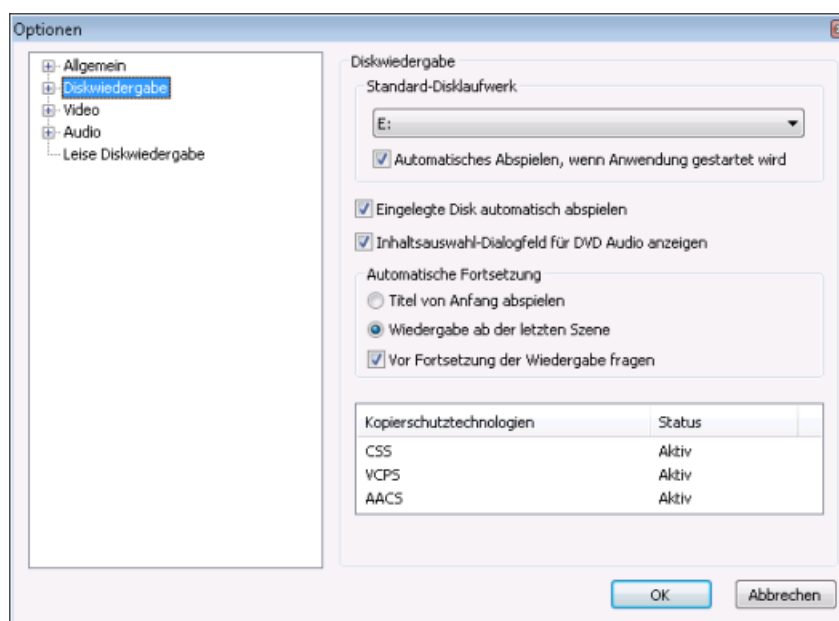
The following setting options are available:

Check box Activate	Enables the navigation bar.
Radio button Always show	Enables the navigation bar for playback in full-screen and normal mode.
Radio button Show only in full screen mode	Activates the navigation bar only for playback in full screen mode.
Selection list Disabled	Displays the features that are not available on the navigation bar.
Selection list Enabled	Displays the features of the navigation bar.
Button Show (all)	Adds (all) features of the Enabled selection list. All buttons are displayed in the navigation bar.

Button Hide (all)	Removes (all) features from the Enabled selection list to the Disabled selection list.
Button Default	Resets the Active and Inactive selection lists to the default setting. The most frequently used buttons are displayed in the navigation bar.

8.2 Disc playback

The **Disc playback** entry provides configuration options for showing videos from a drive.



Options – Disc Playback window

The following setting options are available:

Drop-down menu Default disc drive	Defines the drive from which discs are played by default.
Check box Auto play when application started	Checks the drives when launching Nero ShowTime and starts playback if an appropriate disc has been inserted.
Check box Play automatically upon inserting disc	Starts playback as soon as the appropriate disc has been inserted.

Check box Show the content selection dialog box for DVD Audio	Shows a window for selecting content before playing a DVD-Audio.
Radio button Play title from the beginning	Starts playback from the beginning if a disc that is already known is inserted again.
Radio button Resume playback from the last scene	Resumes playback if a disc that is already known is inserted again.
Check box Prompt before resuming playback	Asks the user before playing back a disc that is already known whether it should be resumed at the last position viewed or started from the beginning.

8.2.1 Bookmarks editor

The **Bookmark editor** entry allows you to edit bookmarks. The **Bookmarks Editor** area contains a list of all bookmarks that have been set so far under the name of the DVD. You can have the bookmarks of a DVD displayed by clicking the **+** icon in front of the name of the DVD.

The following buttons are available:

Go to	Selects the point the selected bookmark jumps to in the video. If you close the Options window, you can resume the movie from the selected bookmark.
Edit name	Edits the name of the selected bookmark.
Delete	Deletes the selected bookmark.
Bookmark file	Displays the path where the bookmark file is stored. You can change the path by clicking the button.

8.2.2 Parental control

The **Parental control** entry enables you to set up parental control. The parental control feature in Nero ShowTime enables you to prevent your children from watching a movie that is not appropriate for them. You can also create a user profile for each of your children and specify restrictions. If a DVD for which parental control criteria are relevant is inserted, a log-in window is displayed. A user with a defined profile can log in and show the movie or can be prevented from doing so by virtue of inadequate rights.

Children users cannot change their profiles themselves; only an administrator (parent) can view and administer the profiles.



You must have administrator rights on your computer to be able to create a user or set up parental controls. You also must be logged on as an administrator.

The **Parental level** area displays the restrictions that apply for the user currently logged on. The following setting options are available:

G	Released without age restriction. Suitable for general audiences.
Level 2	Films up to release Level 2 are played. Suitable for most audiences.
PG	Not suitable for children under 13.
PG-13	Parental guidance suggested for children under 13.
Level 5	Films up to release Level 5 are played. Suitable for teenagers.
R	Parental guidance suggested for children under 18.
NC-17	Not suitable for viewers under 18 years old. Not allowed for children or teenagers under 18 under any circumstances.
Level 8	Films up to release Level 8 are played. Maximum age restriction.
Unlimited	All films are played.

The following buttons are available:

Login	Opens the Login window where an administrator or user can log into the system.
Administration	Opens the User Administration window in which you can create new profiles for administrators and users. You can also view and edit these profiles, e.g. the level of parental control and/or change the password. The button is active only if you have logged into the system as an administrator. Users cannot view or change profiles.

8.2.2.1 Create Administrator

In order to set up parental control, you must first create an administrator. Only an administrator can create users and specify a restriction for watching movies.

To create an administrator, proceed as follows:

1. Click the **Administrator** button.
→ The **User Administration** window opens.
2. Click the **Add User** button.
→ The **Edit User** window opens.
3. Enter a name and a password.

4. Select the **Unlimited** radio button in the **Parental level** area.



All films will be played only if the **Unlimited** option has been activated.

5. Click the **OK** button.
 - You are entered as an administrator. You can see your profile in the list included in the User Management window. You can now log into the system in order to create users.

See also:

[Parental control](#) → 39

8.2.2.2 Creating Users

An administrator can create profiles for users. You can specify which movies can and cannot be viewed for each user. To do this, define the parental level.

The following requirement has to be fulfilled:

- You are logged in as an administrator.

To set up parental control and to create a user, proceed as follows:

1. If you are not logged into the system yet, click the **Login** button and log in.
 - The **Administrator** button is enabled.
2. Click the **Administrator** button.
 - The **User Administration** window opens.
3. Click the **Add User** button.
 - The **Edit User** window opens.

Edit User window

4. Enter a name and a password for the user.
5. Select the desired restriction option in the **Parental level** area.

6. Click the **OK** button.
 - The desired profile is created and entered in the list.
7. If you want to create other profiles, repeat the last four steps.
 - You have successfully set up parental control and created users.



If a DVD is inserted for which the parental control criteria are relevant, a login window appears. Only a user with a defined profile can log in and play the movie.

See also:

 [Parental control](#) → 39

8.2.3 Interactive content

The **Interactive content** entry provides setting options for the disc space required by Blu-ray discs. This disc space is needed for interactive applications that may be part of the Blu-ray disc. Interactive applications are small programs that may interact with the user and that can, for example, manage scores or control playback.



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

The following setting options are available:

Button Folder for local data storage	Defines the folder where the data of the interactive applications is to be temporarily stored.
Edit box Maximum data storage size	Defines the maximum storage space reserved for interactive applications.
Button Delete all local BD content from the hard drive	Deletes the temporarily stored data of the interactive applications from the hard drive.

8.3 Video

The **Video** entry provides configuration options for playing videos.

The following setting options are available in the **Hardware acceleration** area:

Check box Activate	Enables hardware acceleration. This means that DVD-Video image acceleration is performed by the graphics card. This reduces the load on the main processor.
------------------------------	---

The following setting options are available in the **Screen control** area:

Check box Run full screen	Shows the movie automatically on the full screen.
Check box Keep aspect ratio	Shows the movie in its original aspect ratio.

The following setting options are available in the **Screen control** area:

Radio button Adjust player to video	Shows the video in its original size. The playback window expands or shrinks accordingly.
Radio button Reduce video to fit to the player	Shows the video in the playback window's default size.

The following setting options are available in the **Video mode preferences** area:

Radio button Default	Shows the movie in 4:3 standard format.
Radio button 16:9	Shows the movie in 16:9 widescreen format.
Radio button 4:3 (Pan and Scan)	Shows a widescreen movie in 4:3 standard format. Part of the image is cut off with this option.
Radio button 4:3 (letterbox)	Shows a widescreen movie in 4:3 standard format. The movie is adjusted to fit the screen and the empty areas above and below are filled with black bars.

8.3.1 Video mode

The **Video mode** entry provides setting options for interlacing. Video images are shown as two half images in interlaced mode. Every second line (1, 3, 5, ..., 575) is shown in the first half image. The second half image displays the rest of the lines in the image (2, 4, 6, ... 576), so that the eye perceives a full picture. Most video material consists of half images.

A deinterlacer is required for display on a full-screen device (monitor, projector). Nero ShowTime supports the deinterlacing techniques weave, bob and adaptive.

The easiest way to fill in half images consists of displaying even and odd half images simultaneously. This way, one half image fills in the lines missing from the other half image. The **Weave** deinterlacing method is appropriate if both half images originate from the same point in time and can be interlaced inconspicuously.

With **adaptive deinterlacing** the missing lines in the fields are found and added while taking into account the surrounding fields. Good adaptive deinterlacers take into account up to five

images in both directions. The more images the algorithm takes into account, the more the output may lag.

With **bobbing**, the missing lines in the fields are found, thus expanding each field to form a full image. The result of this technique is soft blending and some horizontal details may be missing.

The following setting options are available:

Radio button No deinterlacing (weave)	Defines that deinterlacing is not used.
Radio button Adaptive deinterlacing	Defines that the computer performance takes over the deinterlacing process. Depending on the processor, there may be interruptions in the images. The radio button is not available if hardware acceleration is disabled.
Check box Fine-tuning view	Adjusts the picture quality.
Radio button Fixed deinterlacing (bob)	Defines that the hardware takes over the deinterlacing process. Recommended in particular for older PCs with less than 600 MHz processor performance.
Button Set default values	Restores the default setting.

8.3.2 Video quality

The **Video quality** entry provides configuration options regarding the quality of Nero Digital videos.



The settings in this section only affect Nero Digital videos and have no significance for DVD-Videos, VCDs and SVCDs.

The following setting options are available:

Radio button Off	Deactivates adjustment of the quality.
Radio button Manual	Selects the manual quality setting. Use the adjuster to set the quality setting between None and Maximum .
Radio button Auto-adjust	Automatically adjusts the quality to ensure the optimum setting for your computer.

8.3.3 Nero Digital settings

The **Nero Digital settings** entry provides configuration options for playing Nero Digital videos.



The settings in this section only affect Nero Digital videos and have no significance for DVD-Videos, VCDs and SVCDs.

The following setting options are available:

Check box Remember subtitle setting when playing Nero Digital movie	Retains the settings for the subtitles for the next time a film is played.
Check box Display subtitles smoothly	Improves the display of subtitles.

8.3.4 Film effects

The **Film effects** entry allows effects to be applied to the video movie.

The following setting options are available:

Check box Use film effects	Activates the use of film effects.
Slider Luma	Defines the brightness of the image.
Slider Chroma	Defines color hue and color saturation.
Button Reset	Restores the default setting.

8.3.5 Enhance video

The **Enhance video** entry allows you to change the appearance of the video.

The following setting options are available:

Drop-down menu Preferences	Selects a predefined entry and adjusts the slider accordingly. If the values are changed, the Custom entry is selected.
Button Save As	Opens the New Preset window where you can store the current setting under a name of your choice.

Button Delete Preset	Deletes the currently selected self-defined preset. Presets predefined by the system cannot be deleted.
Slider Brightness	Defines the brightness of the video.
Slider Contrast	Defines the contrast of the video.
Slider Saturation	Defines the saturation of the video.
Slider Hue	Defines the hue of the video.
Slider Gamma	Adjusts the gamma setting of the video.
Slider Sharpness	Defines the sharpness of the video.
Button Reset	Resets the setting value to the default value.

8.4 Audio

The **Audio** entry provides configuration options for the output of audio files.

The following setting options are available:

Area Audio output	Specifies the settings for audio output. For example you can specify the number of speakers or configure the bass boost feature and specify the positioning of the speakers in the room.
Selection list Output mode	Defines the audio output mode.

8.4.1 DRC

The **DRC** entry lets you enable **Dynamic Range Control**. Originally very loud or very quiet passages of a movie are adjusted to each other. This option is recommended when very small speakers are used for playback.

8.4.2 Metadata

The **Metadata** entry provides the option of calling up metadata through the Gracenote Internet database.

The following setting options are available:

Check box Use Gracenote CD database	Enables the Gracenote Media Database feature.
Button Internet Connection Settings	Opens the Internet Properties window. You can specify the settings for your Internet connection here. This button is only enabled if you have enabled the Use Gracenote CD database check box.
Check box Enable cover art	Shows the corresponding album cover in the Playback window during Audio CD playback, provided there is a matching entry in the Gracenote Media Database.
Check box Enable display of Nero Digital Audio logo	When Nero Digital audio files are started, displays the Nero Digital Audio Logo in the playback window.



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.

See also:

 [Identifying Audio Files](#) → 27

8.5 Enable Quiet Disc Playback

The **Quiet disc playback** entry provides the option of reducing the noise caused by a drive when a CD/DVD is being played.

9 Key Combinations

The following shortcuts and key combinations are available in Nero ShowTime:

+	Raises the volume.
-	Reduces the volume.
[Enter]	Starts playback.
[Space]	Cancel playback/resumes playback.
[Q]	Switches to mute/loud.
[R]	Repeats a selected part of the movie.
[Ctrl+R]	Repeats a chapter or title.
[T]	Jumps one frame forwards.
[Ctrl+T]	Minimizes the program interface.
[U]	Opens subtitle selection.
[Ctrl+U]	Displays or hides subtitles.
[Ctrl+Alt+U]	Displays or hides external subtitles.
[O]	Opens the playback source selection.
[Ctrl+O]	Opens the playback list.
[P]	Jumps to the previous chapter.
[N]	Jumps to the next chapter.
[Ctrl+P]	Opens the file.
[Ctrl+A]	Changes the camera perspective.
[S]	Ends playback.
[Ctrl+D]	Enables/disables the zoom tool.
[F]	Plays the movie forwards.
[G]	Jumps to the next bookmark.
[Ctrl+G]	Opens the Go to Time window.
[Ctrl+Alt+S]	Opens the Subtitles Control window.
[H]	Changes the language.
[J]	Ejects the disc.
[K]	Switches between the channels on a karaoke DVD.
[L]	Opens the selection of the available menus.
[Z]	Changes between full-screen and normal view.
[Alt+F]	Plays the movie backwards.

[Ctrl+B]	Jumps back one intra coded frame. An intra codec picture is compressed in the video stream independently of other pictures while the picture is being processed. This corresponds to approximately 10 frames.
[Alt+C]	Creates a frame.
[Ctrl+C]	Opens the Options menu.
[M]	Adds a bookmark.
[0-9]	Keyboard range 0-9.
[F1]	Shows the Help file.
[Page up]	Fast forwards.
[Page down]	Rewinds.

10 Technical Information

10.1 System requirements

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

- In addition, the following requirements apply:
- DVD drive for playing DVD-Video
- 16-bit Windows compatible sound card and speakers
- Optional: Multichannel/Dolby®Digital 5.1 channel-decoding plug-in (Dolby Digital 5.1 sound system for audio playback in 5.1 channel)
- Optional: DVD-Video plug-in for DVD-Video features and encoding in Dolby Digital 2-channel sound. This plug-in is already included in the full version.

10.2 Formats supported

10.2.1 Disk types

- CD
- DVD



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

10.2.2 Disc formats

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

10.2.3 Audio formats and codecs

- Advanced Audio Coding (AAC, M4A, MP4)
- Audible Audiobook (AA)

- Audio Interchange File Format (AIFF, AIF)
- Compact Disc Digital Audio (CDA)
- Dolby Digital (AC3)
- Dolby Surround
- Musical Instrumental Digital Interface (MIDI, MID)
- Moving Picture Experts Group-1 Audio Layer 3 (MP3)
- Moving Picture Experts Group-1 Audio Layer 2 (MP2)
- Moving Picture Experts Group - 1 Audio Layer 1/2/3 (MPA)
- Moving Picture Experts Group-4 (MP4)
- Nero Digital (MP4)
- OGG Vorbis (OGG, OGM)
- Resource Interchange File Format WAVE (WAV, WAVE)
- Windows Media Audio (WMA)

10.2.4 DRM-protected media formats

- Windows Media Audio Digital Rights Management (WMA-DRM)
- Windows Media Video Digital Rights Management (WMV-DRM)
- Content Protection for Recordable Media (CPRM)

10.2.5 TV formats

- National Television Systems Committee (NTSC)
- Phase Alternating Line (PAL)

10.2.6 Video formats and codecs

- Advanced Streaming Format (ASF)
- Audio Video Interleave (AVI)
- Advanced Video Coding/H.264 (BSF)
- AviSynth (AVS)
- Backup File of the IFO (BUP)
- Digital Video (DV)
- DVD Movie Info (IFO)
- Flash Video (FLV)
- Hard Disc Camera Movie (MOD)
- Micro MV (MMV)
- Microsoft Digital Video Recording (DVR-MS)
- Digital Video Express (DIVX)

- Moving Picture Experts Group-2 (MPG, MPEG, M2T, M2P, M1V, M2V, DAT, TRP, TOD)
- Moving Picture Experts Group-4 (MP4)
- Nero Digital (MP4)
- OGG Vorbis (OGG, OGM)
- QuickTime Movie (MOV)
- 3rd Generation Partnership Project (3GP)
- Video Object (VOB)
- Packet Video Audio (PVA)
- Television Input/Video Output (TIVO)

10.2.7 Formats for Playlists

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

10.3 Nero ShowTime versions

Nero ShowTime is available in various different versions:

- Nero ShowTime full version
- Nero ShowTime Essentials
- Nero ShowTime Essentials SE

The Essentials versions differ from the full version as indicated below:

- Not all formats are supported
- No album art and no identification of individual audio files with Gracenote MusicID.

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