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Multimedia Suite 10

Manual

Nero MediaHub

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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 MediaHub. 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 the Application

Nero MediaHub lets you conveniently play back your music files, plus manage and create playlists. It lets you easily create cinema-style videos and photo slide shows with integrated movie themes, plus conveniently manage your multimedia projects. You can play back your photos and videos right on your PC with all the convenience of a built-in DVD player.

1.3 Versions of Nero MediaHub

Nero MediaHub is available in a Nero MediaHub full version and different Nero MediaHub Essentials versions.

Essentials or OEM software may differ from the full version in a more or less broad functional range. Thereby, the feature limitations of your single essentials version compared to the full range depends on the co-contractor's choice.

Nero MediaHub Essentials version 1 does not offer the following features:

- The number of supported video and audio codecs is limited.
- Library based music and video browsing and playback are not available.

- Audio CD, DVD Video and AVCHD playback and ripping are not supported.
- Adding videos to slide shows is not possible.
- The number of slide show templates is limited.
- Moving slide shows to Nero Vision for advanced editing is not possible.
- Exporting slide shows as HD video is not possible.
- Uploading files to communities is only available for photos.
- Burning Audio CDs, DVD Videos and AVCHDs is not available.

Nero MediaHub Essentials version 2 and 3 do not offer the following features:

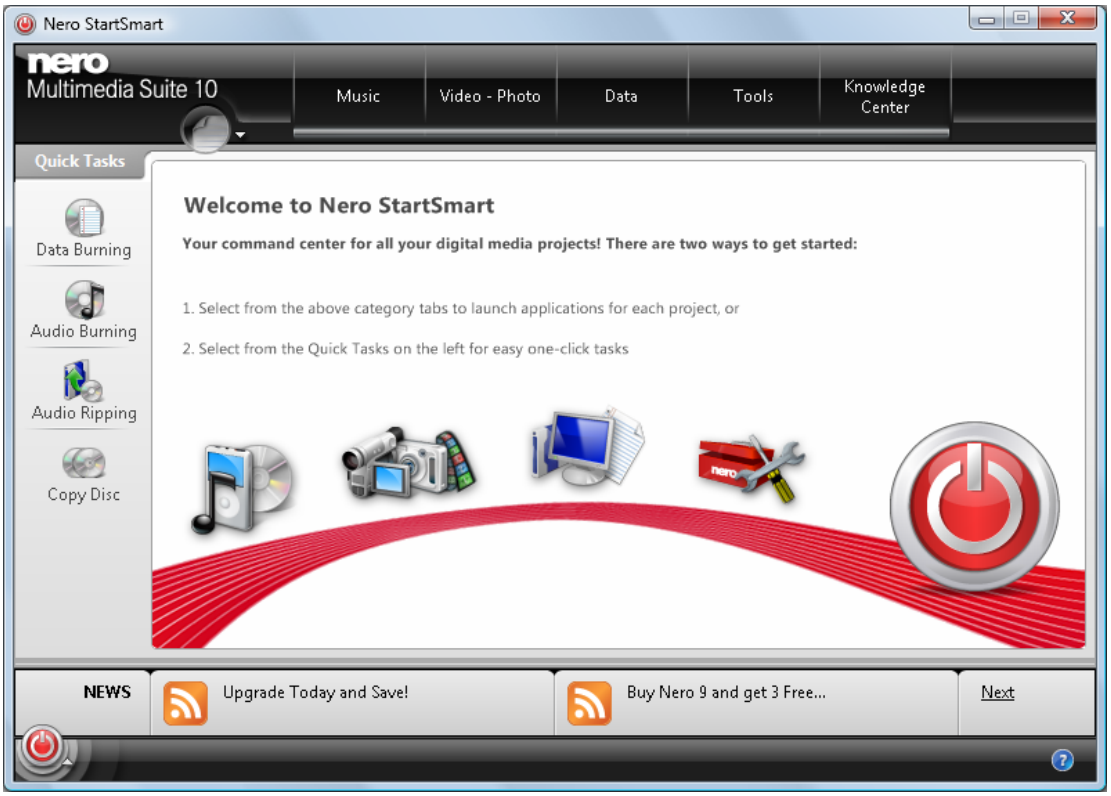
- The number of supported video and audio codecs is limited.
- Burning is limited to DVDs.
- AVCHD playback is not supported.

1.4 Starting the Program

To start Nero MediaHub, proceed as follows:

1. If you use the Nero Multimedia Suite and have Nero StartSmart available:
   1. Click the Nero StartSmart desktop icon.
      → The Nero StartSmart window is opened.
   2. Click the button.
      → The list of Nero applications is displayed.
   3. Select the Nero MediaHub entry in the selection list.

   → The Nero MediaHub window is opened.



Nero StartSmart window

2. If you use Nero Vision Xtra.
   1. Click the Nero MediaHub desktop icon.
   → The Nero MediaHub window is opened.
   → You have started Nero MediaHub.

1.5 Working with Nero MediaHub

At the first application start, Nero MediaHub welcomes you in the main window that is the starting point for using Nero MediaHub. It provides access to the three major media libraries, locally attached devices as well as playlist and slide shows you are creating in Nero MediaHub. The photo browsing screen is displayed on the first startup.

To start working with Nero MediaHub, you have to show the application where your media files are by clicking the button in the upper task bar of the main window. You will not be able to use your media files in the application unless you added the respective folders to the Nero MediaHub library. You can indeed fill and manage the media libraries in the **Options** window any time later by clicking the button again.

In addition, photos and videos can be imported into your media libraries from supported digital camera (DSC) or video cameras via the Nero MediaHub import feature set. It is also possible to rip single tracks or a whole album from Audio CD. All media files that are imported to the Nero MediaHub library will be copied to the folders that you selected in the **Options** window.

Publishing of your content (e.g. a file selection, edited photos or a personalized slide show) is possible out of any browsing and editing screen. You can burn files to a disc or publish media to the Internet.

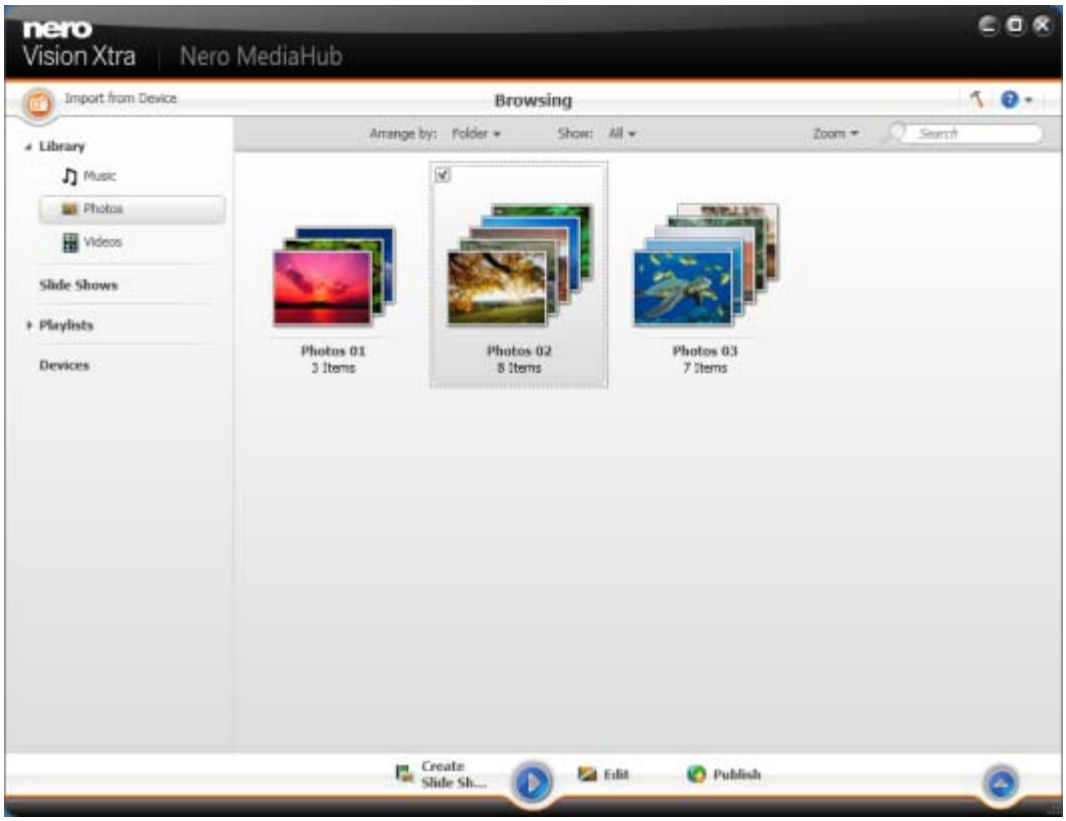
See also

- Main Window → 9
- Library Management and Options → 11
- Audio CD Browsing and Playback → 30
- Publish Screen → 36

2 User Interface

2.1 Main Window

The main window is the starting point for using Nero MediaHub. A navigation tree is shown in the left area of the window. When one of the entries is clicked, the corresponding screen is displayed on the right. In addition, the entries of the lower task bar are adapted to the respective screen.



Main window

Additionally, the following overall setting options are available on the upper task bar:

Button **Import From Device**	Imports photos and videos from supported digital cameras (DSC) and AVCHD camcorders to Nero MediaHub. Other USB devices are supported in case they contain a folder called DCIM. Files that are imported to the library will be copied to the folders that you selected in the **Options** window. This button is available on all file management screens such as the detailed photo browsing view. If you change from file management to any editing or playback screen, a back button is displayed.

Button **Back**	Returns to the previous screen. This button is available on any editing and playback screen. An import button is available on all file management screens such a the detailed photo browsing view.
Button 	Opens the **Options** window where you can show Nero MediaHub where your media files are located on your PC. Sub-folders will be automatically included. If you want to add personal media folders, click the **Add** button and select the desired folder from the navigation tree. The library is refreshed when Nero MediaHub is re-launched.
Drop-down menu 	Opens the help file.

The following entries are available in the navigation tree:

Library	Lists the Nero MediaHub media libraries. Three default folders for music, photos and videos are available from the start. If you want to add personal media folders, click the **Add** button in the **Options** window and select the desired folder from the navigation tree. The library is refreshed when launching Nero MediaHub. If media content is not available any more (e.g. if files were deleted from your PC), Nero MediaHub offers to remove the listing from the library.
Slide Shows	Lists existing slide shows. If you double-click one of your existing slide show compilations, it is opened in the slide show editing screen. If you want to create additional slide shows, click the **Create a slide show with photos and movies** button that is displayed at the right hand side of the **Slide Shows** entry when you hover over it with your mouse pointer. A window is opened where you can enter a name for the new slide show.
Playlists	Lists existing playlists. If you click one of your playlists, the content is shown in a numbered order (the order you added the single tracks or albums to the list). One empty playlist is available by default. If you want to create additional playlists, click the **Create Playlist** button that is displayed at the right hand side of the **Playlists** entry when you hover over it with your mouse pointer. A window is opened where you can enter a name for the new playlist. If you want to add an additional track to an existing playlist, simply drag the selected track from the browsing screen and drop it to the respective playlist on the navigation tree.

	Double-clicking a track in your selected playlist starts playback. You can add more tracks while the actual list is playing as background audio.
Devices	Plays back audio tracks and video files from optical disc drives (DVD, SVCD, VCD, AVCHD, AVCRec and BD-AV). Playback view and task bar are displayed. Switching to full screen view is possible.

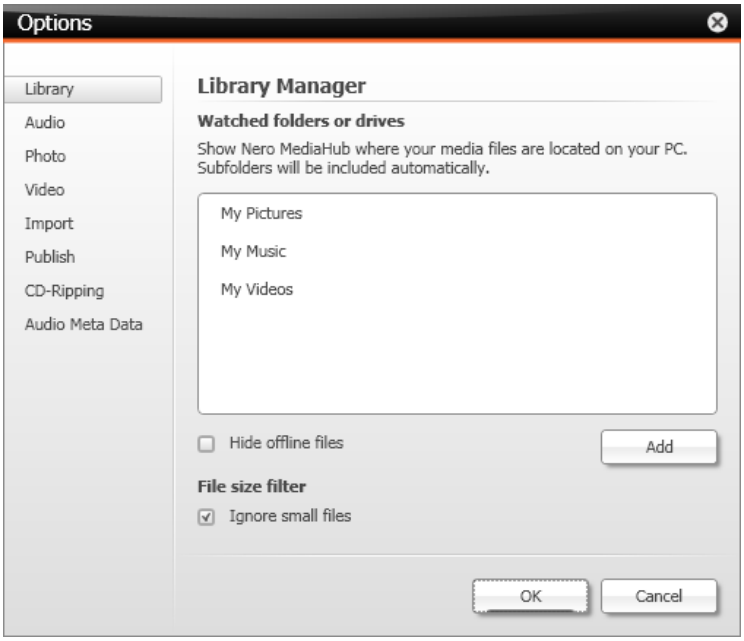
The application is started with one of the browsing screens displayed. It is opened in the stack view of the library group that you used the last time Nero MediaHub was started. The stacks are the entry points into the detailed browsing view.

See also

- Library Management and Options → 11
- Importing from Device → 46
- Music Browsing Screen → 12
- Photo Browsing Screen → 16
- Video Browsing Screen → 24
- Slide Show Screen → 32
- Audio CD Browsing and Playback → 30

2.1.1 Library Management and Options

The **Options** window is opened when you click the button in the upper task bar of the main window. Here you can show the application where your media files are located on your computer and set up your personal audio, video and photo settings.



Options window

The **Options** window is divided into a categories area on the left and a main settings area. The main settings area is adapted depending on the category you choose.

The following categories are displayed:

Library	Displays the **Nero MediaHub library** settings area. Three default folders (the Windows default folders) for **Photos**, **Music**, and **Videos** are available from the start. If you want to add personal media folders, click the **Add** button and select the desired folder from the navigation tree. The library is refreshed when launching Nero MediaHub. To delete a folder from the application's watchlist, click the ✕ button.
Audio	Displays the **Audio settings** area where you can set up your preferred music options such as the audio output settings.
Photo	Displays the **Photo settings** area where you can set up your preferred slide show settings such as default photo duration.
Video	Displays the **Video settings** area where you can set up your preferred video options such as video language or aspect ratio.
Import	Displays the import options. If you import files to the library, the files you import will be copied to the folders you choose in this area. Click the respective **Browse** button to browse your preferred storage directories.
Publish	Displays the **Publish** area where you can set up your preferred publish settings such as video mode (PAL or NTSC). Additionally, you can store your account data to allow direct online publishing out of the application to online communities like MyNero.
CD-Ripping	Displays the **CD-Ripping** area where you can set up your preferred CD ripping options such as the output directory and quality.
Audio Meta Data	Displays the **Audio Meta Data** area. You can select if you want to use the Gracenote music database. The check box is selected by default.

See also

Main Window → 9

2.2 Music Browsing Screen

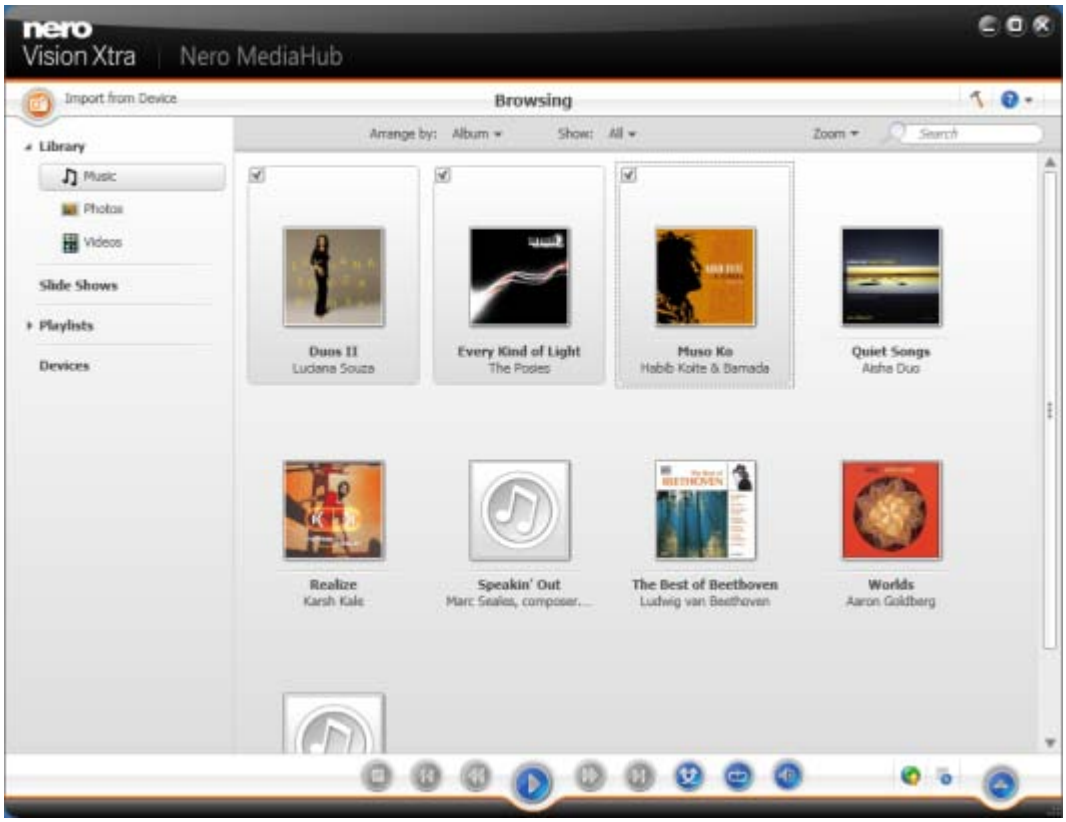
In the music browsing screen you can browse the items of your **Music** library group. The screen is displayed in the stack view when you choose the **Music** library entry in the navigation tree on the left.

The stacks are the entry points into the detailed browsing view. The first stack is automatically selected. Each stack shows information about the amount of albums included. With a double-click on any stack you can switch into the detailed browsing view.

Only the albums of the chosen stack are displayed, the stack works like a filter. The detailed browsing view is displayed with focus on the first item. All other items of the selected stack are listed below, a scrollbar on the right screen margin enables you to scroll the detailed browsing view.

Double-clicking a single item in the detailed browsing view starts its playback. Playback controls are displayed on the lower task bar. Switching to another screen will not stop the playback. A small display in the lower left corner of the main window stays visible and shows the title and play back time. You can click this display to get back to the music browsing screen.

If you hover the mouse pointer over an item in the browsing view, a check box is displayed in the upper left corner. In the detailed browsing view, the check box is listed in the rightmost table column. Activate the check box to select the item. This way, you can make a selection. Album covers also work as selector. If you click the cover art all album items will be marked as selected. It is possible to select over several stack groups, too. With a click on another item (clicking the thumbnail itself instead of the check box) the selection will be removed and you can start a new sample. A preselection may be useful if you want to create a playlist of selective tracks.



Music browsing screen

Below the upper task bar of the main window, sorting and searching options are additionally displayed in the upper area of each browsing screen. The following setting options are available for music browsing:

Button **Overview**	Ends the detailed browsing view and returns to the stack view. The arrangement that was chosen in the detailed browsing view will be kept.
Drop-down menu **Arrange by**	Changes the sorting of stacks in the overview. The files can be arranged by different criteria such as **Year** or **Folder**.
Drop-down menu **Show**	Filters the groups by different criteria (e.g. shows only favorites).
Slider **Zoom**	Zooms into or out of the browsing view.
Input field **Search**	Uses key word search to search for file names, artists, albums and titles. Results will be displayed in detailed browsing view. The sorting criteria will be the artist.

The following setting options are available on the lower task bar:

Button **Stop**	Stopps playback.
Button **Rewind/Fast forward**	Rewinds/fast forwards the playing item.
Button **Skip back/Skip to next track**	Skips to the next/previous track. If you click the respective button when the last (first) track of an album comes to an end, the playback of the next (previous) album will be started.
Button **Play/Pause**	Starts/pauses play back of selected items or albums. If you click the button in the stack view with a stack selected, the detailed browsing view will be displayed, and the first item will start playing automatically.
Button **Turn random playback on/off**	Plays selected items or an album in a random sequence.
Button **Repeats the current playback or a complete playlist**	Plays the currently played item, selection, album or playlist again.
Button **Volume**	Adjusts the volume. Activating the additional **Mute** button below the slider mutes the background music.
Button **Publish photos, videos, and music to the Internet or to disc**	Displays the **Publish Music** screen in which you can collect single items, preselections or playlists and burn or export those.
Button **Create music playlist**	Creates a playlist from selected items. A window is opened, which asks you to enter a name for your new playlist. A new entry is added to the **Playlists** area of the navigation tree. You can simply drag and drop selected items, albums or whole stacks to any playlist in the navigation tree.
Button **Additional functionalities**	Displays more features.

The following entries are available in the additional functionalities pop-up menu:

Add to Favorites	Adds a star icon to the lower right corner of selected items or whole stacks. The rating may be useful in organisation if you use the **Show** drop-down menu (sorting setting options) and display your favorites only. You can remove items or stacks from your list of favorites again. When a favorite item is selected, the entry in the additional functionalities pop-up menu changes to **Remove from Favorites**. To remove an item or stack from your list of favorites, click this entry. At least one item or stack must be selected.
Show Media Info	Opens the **Media Info** pop-up area that shows information about the meta data of the selected item. If available, you can see details like artist, title or duration. The **Media Info** pop-up area stays open in the lower left of the window. The entry in the additional functionalities pop-up menu changes to **Hide Media Info**. To close or hide the pop-up area, choose this entry.
Open With Windows Explorer	Opens a Windows Explorer window that shows the respective browser path to the directory in which the selected item is stored on your computer. At least one item must be selected.
Delete	Deletes an item or a whole stack from Nero MediaHub and from its folder on your computer. At least one item or stack must be selected.

See also

- Starting Music Playback → 38
- Creating a Playlist → 38
- Publish Screen → 36

2.3 Photo Browsing Screen

In the photo browsing screen you can browse the items of your **Photos** library group. The screen is displayed in the stack view when you choose the **Photos** library entry in the navigation tree on the left.

The stacks are the entry points into the detailed browsing view. With a double-click on any stack you can switch into the detailed browsing view. The detailed browsing view is displayed with focus on the first item. All other items of the selected stack are listed below, a scrollbar on the right screen margin enables you to scroll the detailed browsing view. With another double-click on a single item in the detailed browsing view, the **Editing Photos** screen is displayed.

If you place the mouse pointer on an item, a preview is shown. It will fade out when you move the mouse pointer away.

If you hover the mouse pointer over an item, a check box is displayed in the upper left corner. Select the check box to select the item. This way, you can make a selection. It is possible to select over several stack groups, too. With a click on another item (like clicking the thumbnail itself instead of the check box) the selection will be removed and you can start a new sample. A preselection may be useful if you want to start an instant slide show that plays back only selective photos.

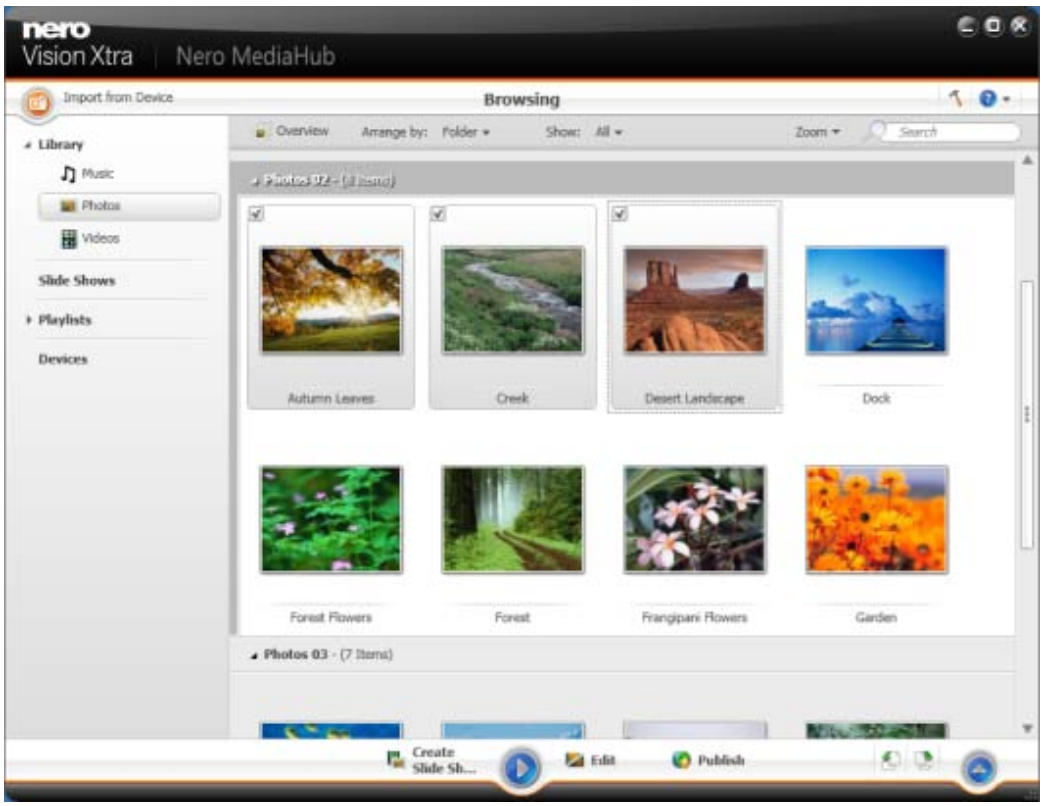


Photo browsing screen

Below the upper task bar of the main window, sorting and searching options are additionally displayed in the upper area of each browsing screen. The following setting options are available for photo browsing:

Button **Overview**	Ends the detailed browsing view and returns to the stack view. The arrangement that was chosen in the detailed browsing view will be kept.
Drop-down menu **Arrange by**	Changes the sorting of items and has the files arranged by different criteria such as by **Year** or **Folder**.
Drop-down menu **Show**	Filters the groups by different criteria (e.g. shows only favorites).

Drop-down menu with slider **Zoom**	Zooms into and out of the browsing view.
Input field **Search**	Uses key word search to search for file names. Results will be displayed in detailed browsing view.

The following setting options are available on the lower task bar:

Button **Create Slide Show**	Creates a slide show with photos and movies. The **Slideshow** screen is displayed. You can preselected the photos and movies you want to add to your new slide show. Select the check box that is displayed in the upper left corner of an item to select it.
Button **Play**	Starts playback of an instant slide show. The slide show is presented with default transitions and default background music. Slide shows are played in full screen view. To avoid conflicts, any ongoing background music is suspended and the slide show's own music is played. You can preselect the photos and movies you want to play back in your instant slide show. Select the check box displayed in the upper left corner to select the item.
Button **Edit**	Displays the **Editing Photos** screen in which you can view, edit, and enhance your photos. At least one item must be selected.
Button **Publish**	Displays the **Publish Image** screen in which you can collect items or preselections into content titles and burn or export those. At least one item must be selected.
Button **Rotate counter-clockwise / Rotate clockwise**	Rotates a selected item 90° to the left or to the right.
Button / Pop-up menu **Additional functionalities**	Displays more features.

The following entries are available in the additional functionalities pop-up menu:

Add to Favorites	Adds a star icon to the lower right corner of selected items or whole stacks.

	The rating may be useful in organisation if you use the **Show** drop-down menu (sorting setting options) and display your favorites only. You can remove items or stacks from your list of favorites again. When a favorite item is selected, the entry in the additional functionalities pop-up menu changes to **Remove from Favorites**. To remove an item or stack from your list of favorites, click this entry. At least one item or stack must be selected.
Show Media Info	Opens the **Media Info** pop-up area that shows information about the meta data of the selected item. If available, you can see details like file format, size, resolution or creation date. The **Media Info** pop-up area stays open in the lower left of the window. The entry in the additional functionalities pop-up menu changes to **Hide Media Info**. To close or hide the pop-up area, choose this entry.
Rename	Enables the title input field where you can enter the desired new name for the item. At least one item must be selected.
Delete	Deletes an item or a whole stack from Nero MediaHub and from its folder on your computer. At least one item or stack must be selected.
Open with Windows Explorer	Opens a Windows Explorer window that shows the respective browser path to the directory in which the selected item is stored on your computer. At least one item must be selected.

See also

- Photo Editing → 19
- Slide Show Screen → 32
- Control Bar → 23
- Publish Screen → 36
- General Editing of Photos → 43
- Creating a Slide Show → 41

2.3.1 Photo Editing

The **Editing Photos** screen is displayed when you click the **Edit** button in the photo browsing or **Slide show** screen. Here you can view, edit, and enhance your photos.

Click the back button in the upper left of the screen to return to the previous screen.

If you place the mouse pointer in the upper third of the content or editing area, a thumbnail strip will fade in. The thumbnail strip shows all items you selected in the photo browsing

screen (check box selected). If you selected only one item, the thumbnail strip shows the photos of the corresponding group. If a photo is marked as favorite, a star icon is displayed in the lower right corner of the respective thumbnail. You can navigate through the items of the thumbnail strip using the ◀ and ▶ buttons. Click a thumbnail to choose the respective photo and to display it in the content area.

Editing Photos screen

Below the upper task bar of the main window, adapted setting options are additionally displayed in the upper area of the **Editing Photos** screen. The following setting options are available:

Button **Photo strip**	Turns the thumbnail strip on/off.
Button **Split view**	Splits the content area into two screens to see e.g. the before (on the left) and after (on the right) effect of an applied modification. A second click closes the split screen mode.
Button **Fit to screen**	Fits the displayed item to the size of the content area. The aspect ratio is kept.
Button **Fullscreen**	Displays an item in the full screen view. Double-clicking a photo in the content area also starts the full screen view.

Drop-down menu with slider **Zoom**	Zooms into and out of the content view.

The following setting options are available on the lower task bar:

Button **Auto Enhance**	Improves the quality automatically based on terms of reference. The same function is available via the **Auto Enhance** button on the **Enhance** tab in the **Modify** window.
Button **Red Eye Removal**	Opens the **Red Eye Removal** window. Simply define a rectangle around the affected area on your photo, click the **Apply** button, and red eyes are removed automatically.
Button **Skip back/Skip to next track**	Skips to the previous/next item. In contrast to the thumbnail strip that only shows the photos of a selection or group, you can use the skip buttons to display the items of previous/next stacks.
Button **Play**	Starts playback of an instant slide show. The slide show is presented with default transitions and default background music. Slide shows are played in full screen view. To avoid conflicts, any ongoing background music is suspended and the slide show's own music is played. You can preselect the photos and movies you want to play back in your instant slide show. Select the check box displayed in the upper left corner to select the item.
Button **Modify**	Opens the **Modify** window in which you can choose from several effects, adjustments and enhancements presented on three correspondent tabs.
Button **Crop**	Opens the **Crop** window in which you can choose from several templates that are defining the aspect ratio of a crop frame. You can also change the size of your item manually. To crop manually, move the mouse pointer from the **Crop** window to the content area. It changes into a cropping tool. Click, hold, and move the cropping tool to directly see which part of the photo will be cropped. The width, height and position of the cropped area can be adjusted after the cropping tool was released. Once you are happy with the defined size, click the **Apply** button to cut down the item.
Button **Undo edited steps/Redo edited steps**	Reverses/repeats the last editing step. Independent of the number of process steps you already performed, you can always undo your previous editing until you reach the original again.

Button **Rotate counter-clockwise/ Rotate clockwise**	Rotates a selected item 90° to the left or to the right.
Button **Additional functionalities**	Displays more features.

The following tabs are available in the **Modify** window:

Enhance	The **Auto Exposure** button automatically improves the exposure of your photos based on terms of reference. The **Auto Color** button automatically improves the color of your photos based on terms of reference. It offers an alternative to the manual color correction. The **Auto Enhance** button automatically improves the quality based on terms of reference. The same function is available via the **Auto Enhance** button on the lower task bar.
Adjust	Displays various sliders. You can use these modification options to improve the visual impression of your photos. A preview of your adjustments is displayed in the **Editing Photos** screen.
Effects	Lists color and editing effects you can choose from to modify your photos. If you place the mouse pointer on an effect thumbnail, a preview of the result is displayed in the **Editing Photos** screen. Click the thumbnail to actually apply the desired effect.

The following entries are available in the additional functionalities pop-up menu:

Add to Favorites	Adds a star icon to the lower right corner of selected items or whole stacks. The rating may be useful in organisation if you use the **Show** drop-down menu (sorting setting options) and display your favorites only. You can remove items or stacks from your list of favorites again. When a favorite item is selected, the entry in the additional functionalities pop-up menu changes to **Remove from Favorites**. To remove an item or stack from your list of favorites, click this entry. At least one item or stack must be selected.
Delete	Deletes an item or a whole stack from Nero MediaHub and from its folder on your computer.

Open with Windows Explorer	Opens a Windows Explorer window that shows the respective browser path to the directory in which the selected item is stored on your computer.

See also

- Photo Browsing Screen → 16
- Slide Show Screen → 32
- Publish Screen → 36
- Creating a Slide Show → 41
- General Editing of Photos → 43

2.3.2 Control Bar

Different full screen setting options are available for video and instant slide show playback. Moving the mouse in the lower third of the respective full screen, the control bar is faded in.

On the left of the video playback control bar a thumbnail of the currently playing video and a time display are shown. In addition, the following buttons are available:

Back	Ends the full screen view and returns to the default application screen.
Stop	Stopps playback.
Rewind/Fast forward	Rewinds/fast forwards the playing item.
Skip back/Skip to next track	Skips to the next/previous video.
Play/Pause	Starts/Pauses play back of selected items.
Repeats the current playback or series of videos	Plays the currently played item or selection again.
Volume	Adjusts the volume. Activating the additional **Mute** button below the slider mutes the background music.
Additional functionalities	Displays more features.

The following buttons are available on the instant slide show control bar:

Back	Ends the full screen view and returns to the default application screen.

Skip back/Skip to next track	Skips to the previous/next item.
Play	Starts playback of the slide show in full screen view.
Volume	Adjusts the volume. Activating the additional **Mute** button below the slider mutes the background music.
Rotate left / Rotate right	Rotates the item 90° to the left or to the right. Only available for photos.
Add to Favorites	Adds a star icon to the lower right corner of selected items or whole stacks. You can remove items or stacks from your list of favorites again. When a favorite item is selected, the entry in the additional functionalities pop-up menu changes to **Remove from Favorites**. To remove an item or stack from your list of favorites, click this entry.

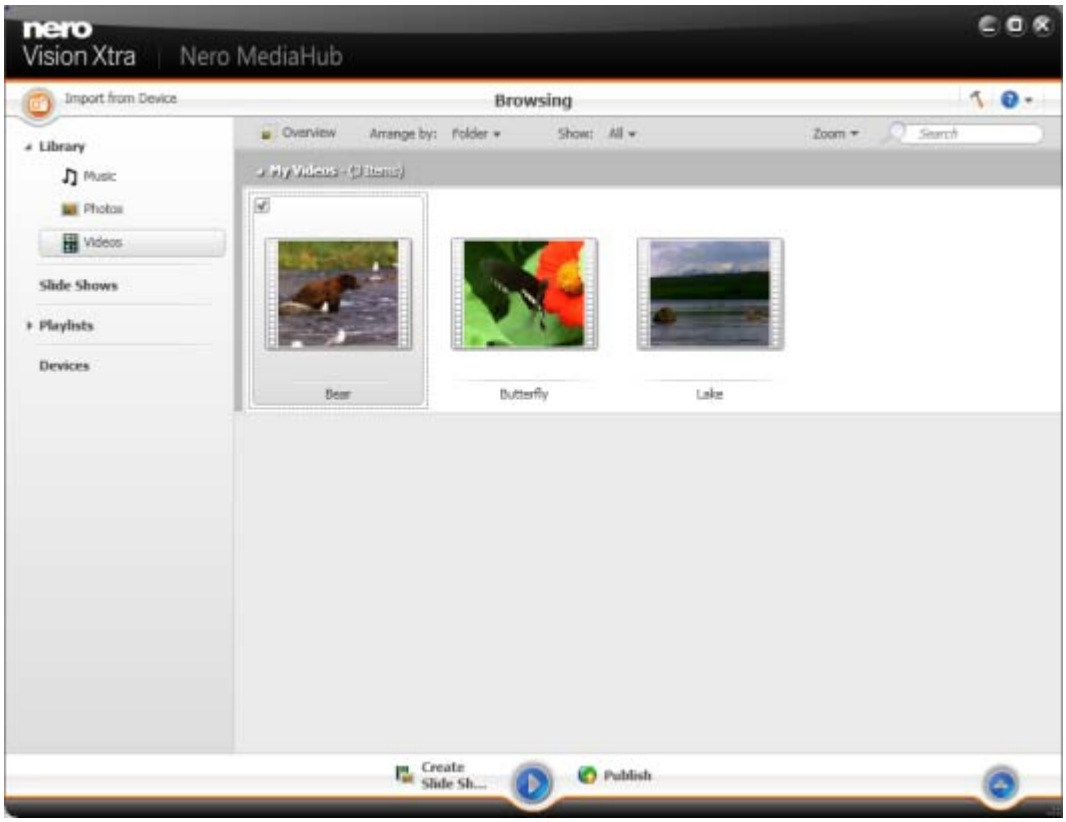
2.4 Video Browsing Screen

In the video browsing screen you can browse the items of your **Videos** library group. The screen is displayed in the stack view when you choose the **Videos** library entry in the navigation tree on the left.

The stacks are the entry points into the detailed browsing view. With a double-click on any stack you can switch into the detailed browsing view. The detailed browsing view is displayed with focus on the first item. All other items of the selected stack are listed below, a scrollbar on the right screen margin enables you to scroll the detailed browsing view. Another double-click on a single item in the detailed browsing view displays the **Playback** screen. Playback is started automatically.

If you place the mouse pointer on an item, a preview is shown. It will fade out when you move the mouse pointer away.

If you hover the mouse pointer over an item, a check box is displayed in the upper left corner. Select the check box to select the item. This way, you can make a selection. It is possible to select over several stack groups, too. With a click on another item (like clicking the thumbnail itself instead of the check box) the selection will be removed and you can start a new sample. The preselection may be useful if you want to start an instant slide show that plays back only selective video sequences.



Video browsing screen

Below the upper task bar of the main window, sorting and searching options are additionally displayed in the upper area of each browsing screen. The following setting options are available for video browsing:

Button **Overview**	Ends the detailed browsing view and returns to the stack view. The arrangement that was chosen in the detailed browsing view will be kept.
Drop-down menu **Arrange by**	Changes the sorting of items and has the files arranged by different criteria such as by **Year** or **Folder**.
Drop-down menu **Show**	Filters the groups by different criteria (e.g. shows only favorites).
Drop-down menu with slider **Zoom**	Zooms into and out of the browsing view.
Input field **Search**	Uses key word search to search for file names. Results will be displayed in detailed browsing view.

The following setting options are available on the lower task bar:

Button **Create Slide Show**	Creates a slide show with photos and movies. The **Slideshow** screen is displayed. You can preselected the photos and movies you want to add to your new slide show. Select the check box that is displayed in the upper left corner to select the item.
Button **Play**	Starts playback of selected items. The **Playback** screen is displayed and playback is started automatically. To avoid conflicts, any ongoing background music is suspended and the own sound of the item is played back. You can preselected the movies you want to play back. Select the check box that is displayed in the upper left corner to select the item.
Button **Publish**	Displays the **Publish Video** screen in which you can collect items or preselections and burn or export those.
Button **Additional functionalities**	Displays more features.

The following entries are available in the additional functionalities pop-up menu:

Add to Favorites	Adds a star icon to the lower right corner of selected items or whole stacks. The rating may be useful in organisation if you use the **Show** drop-down menu (sorting setting options) and display your favorites only. You can remove items or stacks from your list of favorites again. When a favorite item is selected, the entry in the additional functionalities pop-up menu changes to **Remove from Favorites**. To remove an item or stack from your list of favorites, click this entry. At least one item or stack must be selected.
Show Media Info	Opens the **Media Info** pop-up area that shows information about the meta data of the selected item. If available, you can see details like file format, size, resolution or creation date. The **Media Info** pop-up area stays open in the lower left of the window. The entry in the additional functionalities pop-up menu changes to **Hide Media Info**. To close or hide the pop-up area, choose this entry.
Rename	Enables the title input field where you can enter the desired new name for the item. At least one item must be selected.

Delete	Deletes an item or a whole stack from Nero MediaHub and from its folder on your computer. At least one item or stack must be selected.
Open with Windows Explorer	Opens a Windows Explorer window that shows the respective browser path to the directory in which the selected item is stored on your computer. At least one item must be selected.

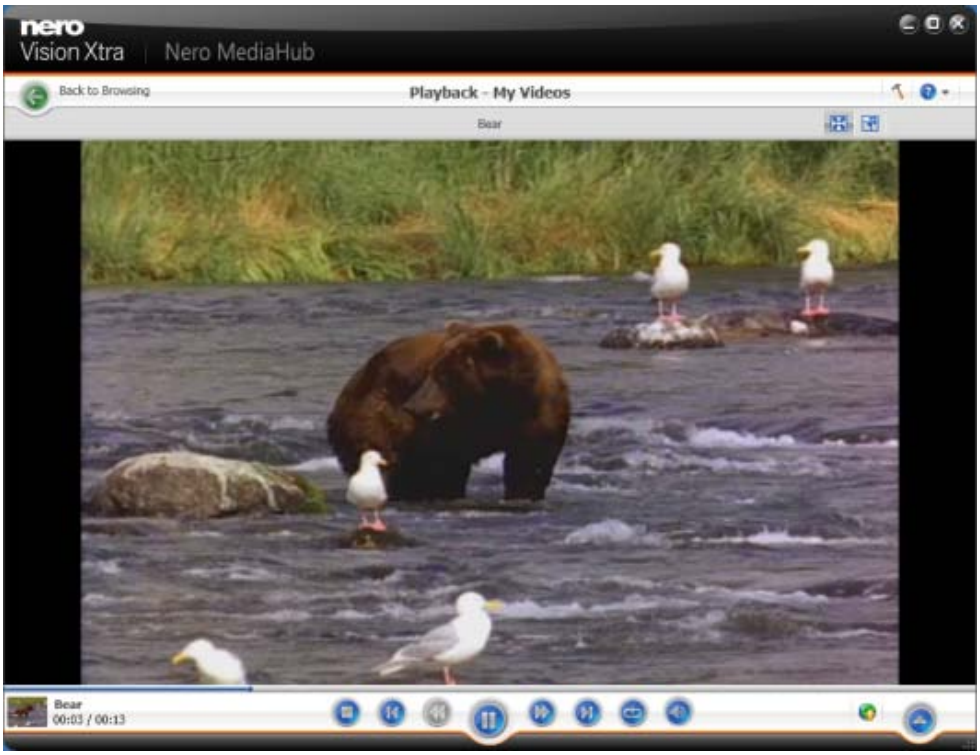
See also

- Video Playback Screen → 27
- Slide Show Screen → 32
- Control Bar → 29
- Publish Screen → 36
- Starting Video Playback → 39
- Creating a Slide Show → 41

2.4.1 Video Playback Screen

The **Playback** screen is displayed when you click the **Start Playback** button in the video browsing screen. Here you can view your videos.

Click the back button in the upper left of the screen to return to the previous screen.



Playback screen

Below the upper task bar of the main window, adapted setting options are additionally displayed in the upper area of the **Playback** screen. The following setting options are available:

Button **Fit to screen**	Fits the displayed item to the size of the content area. The aspect ratio is kept.
Button **Fullscreen**	Displays an item in the full screen view. Double-clicking a video in the content area also starts the full screen view.

In the lower left of the screen a thumbnail of the currently playing video and a time display is shown. In addition, the following setting options are available on the lower task bar:

Button **Stop**	Stops playback.
Button **Rewind/Fast forward**	Rewinds/fast forwards the playing item.
Button **Skip back/Skip to next track**	Skips to the next/previous video.
Button **Play/Pause**	Starts/pauses play back of selected items.
Button **Repeats the current playback or series of videos**	Plays the currently played item or selection again.
Button **Volume**	Adjusts the volume. Activating the additional **Mute** button below the slider mutes the background music.
Button **Publish photos, videos, and music to the Internet or to disc**	Displays the **Publish Music** screen where you can collect single items or preselections and burn or export those.
Button **Additional functionalities**	Displays more features.

The following entries are available in the additional functionalities pop-up menu:

Add to Favorites	Adds a star icon to the lower right corner of selected items or whole stacks. You can remove items or stacks from your list of favorites again. When a favorite item is selected, the entry in the additional functionalities pop-up menu changes to **Remove from Favorites**. To remove an item or stack from your list of favorites, click this entry.
Fit Video to Screen	Displays possible options for the set up of aspect ratio.
Delete	Deletes an item or a whole stack from Nero MediaHub and from its folder on your computer.
Open with Windows Explorer	Opens a Windows Explorer window that shows the respective browser path to the directory in which the selected item is stored on your computer.

See also

- Video Browsing Screen → 24
- Starting Video Playback → 39

2.4.2 Control Bar

Different full screen setting options are available for video and instant slide show playback. Moving the mouse in the lower third of the respective full screen, the control bar is faded in.

On the left of the video playback control bar a thumbnail of the currently playing video and a time display are shown. In addition, the following buttons are available:

Back	Ends the full screen view and returns to the default application screen.
Stop	Stopps playback.
Rewind/Fast forward	Rewinds/fast forwards the playing item.
Skip back/Skip to next track	Skips to the next/previous video.
Play/Pause	Starts/Pauses play back of selected items.
Repeats the current playback or series of videos	Plays the currently played item or selection again.

Volume	Adjusts the volume. Activating the additional **Mute** button below the slider mutes the background music.
Additional functionalities	Displays more features.

The following buttons are available on the instant slide show control bar:

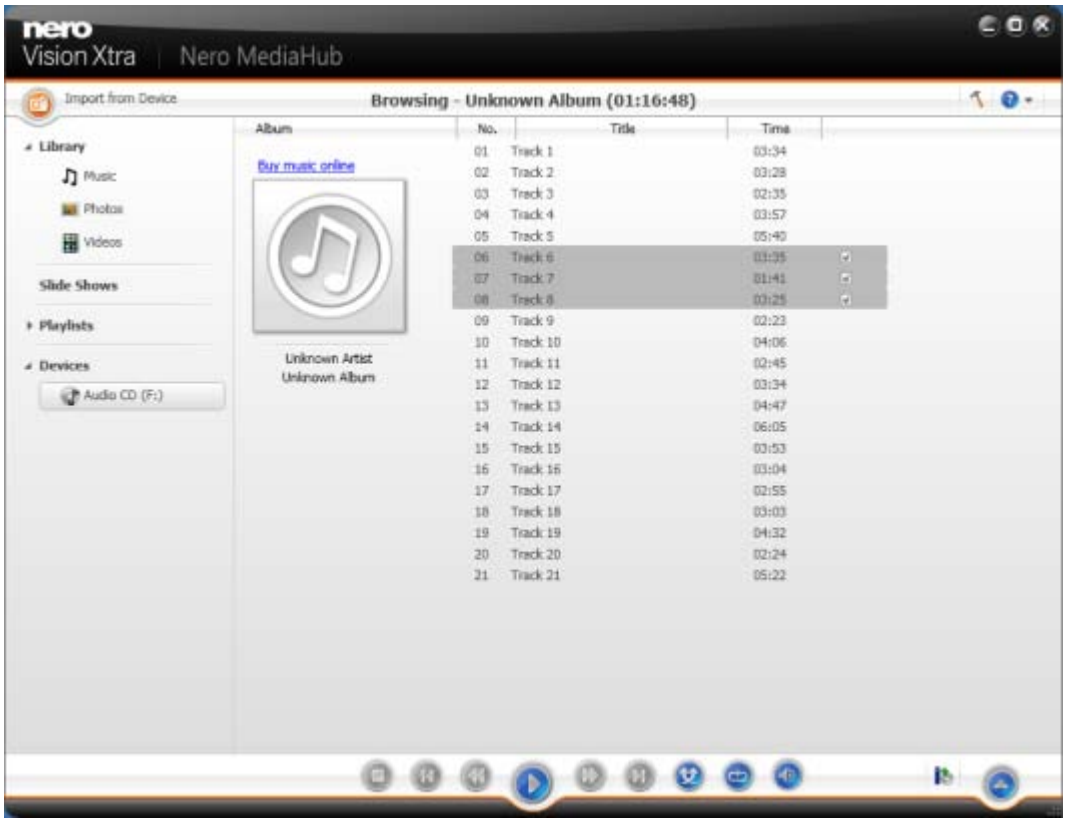
Back	Ends the full screen view and returns to the default application screen.
Skip back/Skip to next track	Skips to the previous/next item.
Play	Starts playback of the slide show in full screen view.
Volume	Adjusts the volume. Activating the additional **Mute** button below the slider mutes the background music.
Rotate left / Rotate right	Rotates the item 90° to the left or to the right. Only available for photos.
Add to Favorites	Adds a star icon to the lower right corner of selected items or whole stacks. You can remove items or stacks from your list of favorites again. When a favorite item is selected, the entry in the additional functionalities pop-up menu changes to **Remove from Favorites**. To remove an item or stack from your list of favorites, click this entry.

2.5 Audio CD Browsing and Playback

The tracks of an Audio CD inserted in your drive are listed in detailed browsing view when you choose the respective Audio CD or disc drive entry under **Devices** in the navigation tree on the left.

Same as on the music browsing screen, double-clicking a single item in the detailed browsing view starts its playback. Playback controls are displayed on the lower task bar. Switching to another screen will not stop the playback. A small display in the lower left corner of the main window stays visible and shows the title and play back time. You can click this display to get back to the Audio CD browsing screen.

Same as on the music browsing screen, you can select a check box to select single items. This way, you can make a selection.



Devices > Audio CD

The following setting options are available on the lower task bar:

Button **Stop**	Stopps playback.
Button **Rewind/Fast forward**	Rewinds/fast forwards the playing item.
Button **Skip back/Skip to next track**	Skips to the next/previous track.
Button **Play/Pause**	Starts/pauses play back of selected items or albums. If you double-click the button in the stack view with a stack selected, the detailed browsing view will be displayed and the first item will start playing automatically.
Button **Turn random playback on/off**	Plays selected items or the album in a random sequence.

Button **Repeats the current playback or a complete playlist**	Plays the currently played item, selection or album again.
Button **Volume**	Adjusts the volume. Activating the additional **Mute** button below the slider mutes the music.
Button **Start ripping from CD**	Starts the ripping of selected tracks to the destination path on your local computer (the path that is defined in the **Options** window). A status bar is displayed to show the progress of the ripping process. Switching to another screen will not stop the ripping process. A small status bar in the lower left corner of the main window stays visible and lets you track the progress. You can click this display to get back to the Audio CD browsing screen.
Button **Additional functionalities**	Displays more features.

The following entries are available in the additional functionalities pop-up menu:

Get CD Information	Retrieve CD information from Gracenote. With Gracenote MusicID Nero MediaHub can identify music files. Identification is possible for complete original Audio CDs. So called metadata such as artist, title, and genre are accessed from the Gracenote Media Database and displayed in Nero MediaHub. The identified metadata is written to the music file and is then available. In this way your music collection is correctly tagged with all information.
Eject	Ejects the disc from the 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.

Please note that in contrast to items stored on your PC, the rating feature (**Favorites**) is not available for files on discs or saved on any removable device.

See also

- Music Browsing Screen → 12
- Publish Screen → 36
- Ripping From Audio CD → 46

2.6 Slide Show Screen

The **Slide show** screen is displayed when you click the **Create Slide Show** button in the photo browsing or video browsing screen.

Your slide show compilations are listed under the **Slide Shows** entry in the navigation tree; you can always open and edit existing creations from there. When you are satisfied, click the back button in the upper left of the screen to return to the previous screen.

Available on the **Slide show** screen are a preview area to preview the single items of the slide show compilation, and a thumbnail strip in the upper area of the screen. Clicking one of the buttons in the **Personalize Slide Show** area on the left opens the **Personalize slide show** window. You can choose from the various templates, add titles or adapt the volume of the background music.

The thumbnail strip shows all items that you selected in the browsing screen (check box selected). You can navigate through the items of the thumbnail strip using the ◀ and ▶ buttons. Click a thumbnail to choose the respective photo or video and display it in the content area. Drag any thumbnail on the strip and drop it to the preferred position to change the order of the items in your slide show.

Slide show screen

The following buttons are available on the thumbnail strip:

+	Opens the **Add files to slide show** window. You can choose photos and videos to be added to the slide show.

	Expands the display of the thumbnail strip over the full size of the screen. This overview may be useful while you're bringing the items of your slide show into the correct order. Click the **Collapse the storyboard** button to scale down the thumbnail strip again.

The following setting options are available on the lower task bar:

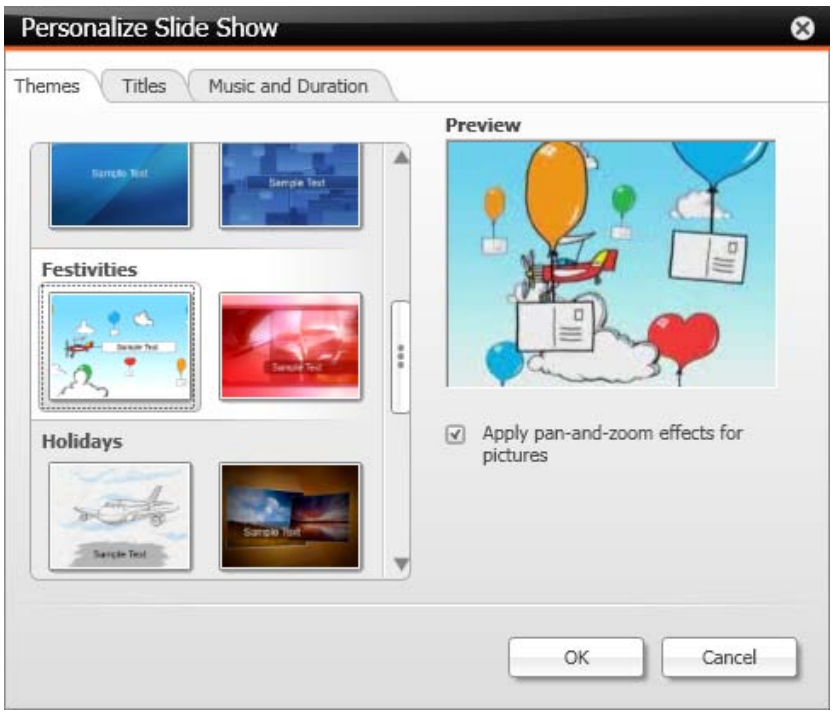
Button **Advanced Editing**	Moves the unfinished compilation to Nero Vision for expert editing. Nero Vision is an application that is automatically installed during the main installation procedure of your program. Please see the separate Nero Vision user manual for full instructions.
Button **Skip back/Skip to next track**	Skips to the previous/next item.
Button **Play**	Starts playback of the slide show in full screen view.
Button **Edit**	Displays the **Editing Photos** screen in which you can view, edit, and enhance your photos. At least one item must be selected. Only available for photos.
Button **Publish**	Displays the **Publish Slideshow** screen in which you can burn or export your compilation.
Button **Rotate counter-clockwise/Rotate clockwise**	Rotates a selected item 90° to the left or to the right.
Drop-down menu **Additional functionalities**	Displays more features.

See also

- Publish Screen → 36
- Personalize Slide Show Window → 34

2.6.1 Personalize Slide Show Window

The **Personalize slide show** window is opened when you click one of the buttons in the **Personalize Slide Show** area on the left of the **Slide show** screen. Three tabs are available in the window, corresponding to the buttons in the **Personalize Slide Show** area.



Personalize slide show window

You can choose from various slide show templates on the left of the **Themes** tab. Select a template to see an animated preview on the upper right of the tab. In addition, the following setting options are available:

Check box **Apply pan-and-zoom effects for pictures**	Enables pan-and-zoom effects and fading transitions between the pictures. This effect gives the slide show an additional feeling of motion. If the check box is cleared, the wizard ignores pan-and-zoom effects.

The following input areas are available on the **Titles** tab:

Opening title	Shows the default text for the intro title of the selected template. You can modify the text. Other text attributes such as font and alignment are defined by the template and cannot be modified.
Closing title	Shows the default text for the outro text of the selected template. You can modify the text. In contrast to the intro text, line breaks are allowed. Other text attributes such as font and alignment are defined by the template and cannot be modified.

The following setting options are available on the **Music and Duration** tab:

Area with input field **Slide duration**	Sets the default duration of still pictures in your slide show. The minimum possible duration is 1 second, the maximum is 60 seconds. Default duration is 3 seconds.
Area with slider **Volume mixer**	Specifies the volume level of the audio added by the template in contrast to the volume level of all other audio tracks which are already available in the timeline (e.g. sound of video file). If you do not move the slider, both **Original** and **Music** have the same audio level.

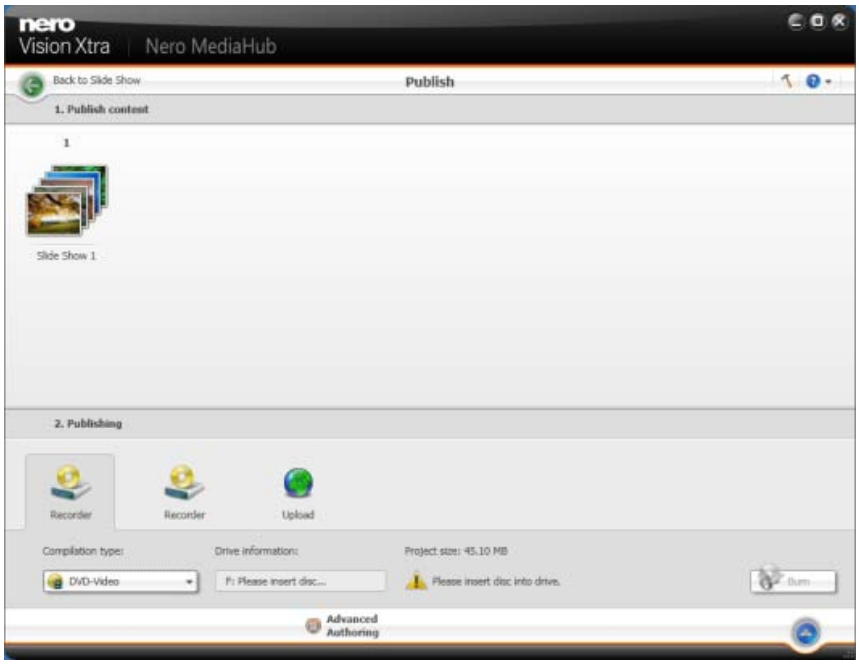
See also

Slide Show Screen → 32

2.7 Publish Screen

Clicking the **Publish** button in one of the browsing screens displays the respective publishing screen for music, photos or videos. Each publishing screen is split in two areas: The upper area shows the content of your compilation. In the lower area of the screen different ways to publish the project content are offered. You can choose the required options on the selected tab.

Finally, clicking the **Burn** or the **Upload** button in the lower right of the tab starts the publishing or uploading process. A status bar is displayed to show the progress. Switching to another screen will not stop the publishing or uploading process. A small status bar in the lower left corner of the main window stays visible and lets you track the progress. You can click this display to return to the **Publish** screen.



Publish screen

The following publishing tabs are available:

Recorder	Burns your current compilation to disc. Choose the target disc type from the **Compilation type** drop-down menu and select the recorder from the **Drive information** drop-down menu. The total project size is displayed for your information.
Upload	Uploads your current compilation to an Internet community. Click the **Upload** button and choose your preferred community from the tabs displayed.

In addition to publishing your project in Nero MediaHub you can move the unfinished compilation to Nero Vision for expert editing. If you want to move the selection, click the **Advanced Editing** button on the lower task bar. Nero Vision is an application in Nero Vision Xtra Nero Multimedia Suite and is automatically installed during the main installation procedure. Please see the separate Nero Vision user manual for full instructions.

See also

- Burning to Disc → 48
- Uploading to Community → 48

3 Browsing and Playback

3.1 Creating a Playlist

The following requirement must be fulfilled:

- Desired tracks are available in the **Music** library.

To create a playlist in Nero MediaHub, proceed as follows:

1. Click the **Music** library entry in the navigation tree on the left.
   → The music browsing screen is displayed in the stack view.
2. Double-click the stack that contains the tracks you want to add to your playlist.
   → A detailed browsing view is displayed with focus on the first item. All other items of the selected stack are listed below, a scrollbar on the right screen margin enables you to scroll the detailed browsing view.
3. Hover the mouse pointer over an item you want to add to your playlist.
   → A check box is displayed in the rightmost table column.
4. Select the check box to select the item.
5. Repeat the last steps to make your selection.

If you want to add a whole album to your playlist, click the cover art and all al-bum items will be selected. If you want to add whole stacks to your playlist, stay in the stack view of the browsing screen and select the check box to select the desired stack.

6. Click the **Create music playlist** button on the lower task bar.
   → A window is opened.
7. Enter a name for your new playlist in the input field and click the **OK** button.
   → The new playlist is displayed, the content is shown in a numbered order (the order you added the single tracks or albums to the list). A new entry is added to the **Playlists** area of the navigation tree.
8. If you want to add more tracks to your playlist:
   1. Return to the music browsing screen.
   2. Drag a desired track, a selection of tracks, an album or a stack from the browsing screen and drop it to the respective playlist entry on the navigation tree.
9. If you want to change the order of the tracks in your playlist, drag single tracks and drop them to the desired position.
   → You created a playlist from an individual selection of tracks. You can now start the playback or publish your project.

See also

Music Browsing Screen → 12

3.2 Starting Music Playback

The following requirement must be fulfilled:

► Desired tracks are available in Nero MediaHub.

To play back tracks, albums or a playlist proceed as follows:

1. If you want to play back tracks or an album:
   1. Click the **Music** library entry in the navigation tree on the left.
      → The music browsing screen is displayed in the stack view. Another double-click changes into the detailed browsing view that is displayed with focus on the first item of a selected stack.
   2. Select the respective stack, album or track you want to play back and click the **Play** button on the lower task bar.
      → Playback is started. Switching to another screen will not stop the playback. A small display in the lower left corner of the main window stays visible and shows the title and play back time. You can click this display to get back to the music browsing screen.
      → If you selected your album from a stack that contains more than one album, the playback is automatically continued with the following album. Likewise, if you selected the check box of a single track in an album, the playback is automatically continued with the following tracks.
2. If you want to play back a playlist:
   1. Click the respective playlist entry in the **Playlists** area of the navigation tree.
   2. Click the **Play** button on the lower task bar.
      → Playback is started. Switching to another screen will not stop the playback. A small display in the lower left corner of the main window stays visible and shows the title and play back time. You can click this display to get back to the **Playlist** screen.

   ➔ You started the playback of your tracks, albums or of a playlist.

See also

Music Browsing Screen → 12

3.3 Starting Video Playback

The following requirement must be fulfilled:

► Desired videos are available in Nero MediaHub.

To play back a video, proceed as follows:

1. Click the **Videos** library entry in the navigation tree on the left.
   → The video browsing screen is displayed in the stack view. Another double-click changes into the detailed browsing view that is displayed with focus on the first item of a selected stack.

2. Select the respective video that you want to play back and click the **Play** button on the lower task bar.

   → Playback is started. The **Playback** screen is displayed.

   → If you selected your video from a stack that contains more than one video, the playback is automatically continued with the following video.

   ➔ You started the playback of your video.

See also

- Video Browsing Screen → 24
- Video Playback Screen → 27

4 Creating and Editing

4.1 Creating a Slide Show

The following requirement must be fulfilled:

- Desired photos are available in the **Photos** library.

To create a slide show in Nero MediaHub, proceed as follows:

1. Click the **Photos** library entry in the navigation tree on the left.
   → The photos browsing screen is displayed in the stack view.
2. Double-click the stack that contains the photos you want to add to your slide show.
   → The detailed browsing view is displayed with focus on the first item. All other items of the selected stack are listed below, a scrollbar on the right screen margin enables you to scroll the detailed browsing view. If you place the mouse pointer on an item, a preview is shown. It will fade out when you move the mouse pointer away.
3. Hover the mouse pointer over an item that you want to add to your slide show.
   → A check box is displayed in the upper left corner.
4. Select the check box to select the item.
5. Repeat the last steps to make your selection.

   If you want to add whole stacks to your slide show, stay in the stack view of the browsing screen and select the check box to select the desired stacks.
6. Click the **Create Slide Show** button on the lower task bar.
   → A window is opened.
7. Enter a name for your new slide show in the input field and click the **OK** button.
   → The new slide show is displayed in the **Slideshow** screen. The thumbnail strip shows all items you selected. You can navigate through the items of the thumbnail strip using the ◀ and ▶ buttons.
8. If you want to add more items to the slide show:
   1. Click the **Add photo and video to the slide show** button.
      → The **Add files to slide show** window is opened.
   2. Choose the desired photos or videos and click the **Add** button.
   3. Click the **Close** button.
      → The photos or videos are added to the end of the slide show.
9. If you want to change the order of the items in your slide show, drag any thumbnail on the strip and drop it to the desired position.
10. If you want to personalize your slide show, choose your preferred slide show theme in the **Personalize Slide Show** area. (Proceed as described in the **Personalize Your Slide Show** chapter.)

If you want to add a whole album to your playlist, click the cover art and all al-bum items will be selected. If you want to add whole stacks to your playlist, stay in the stack view of the browsing screen and select the check box to select the desired stack.

➔ You created a slide show. You can now start the playback or publish your project.

See also

- Slide Show Screen → 32
- Photo Browsing Screen → 16
- Video Browsing Screen → 24

4.2 Personalize Your Slide Show

The following requirement must be fulfilled:

► Desired photos or videos are opened in the **Slide show** screen.

To personalize your slide show in Nero MediaHub, proceed as follows:

1. Click the **Themes** button in the **Personalize Slide Show** area on the left of the **Slide show** screen.
   ➔ The **Personalize slide show** window is opened with the **Themes** tab displayed. Three tabs are available in the window, corresponding to the buttons in the **Personalize Slide Show** area. You can choose from the various templates, add titles or adapt the volume of the background music.
2. Choose a template on the left of the **Themes** tab.
   ➔ An animated preview is shown on the upper right of the tab.
3. If you want to enable the pan-and-zoom effect for slides, select the respective check box. The check box is selected by default.
4. Click the **Titles** tab.
   ➔ The tab is displayed.
5. Add your desired text for the intro title into the **Opening title** input field. Other text attributes such as font and alignment are defined by the template and cannot be modified.
6. Add your desired text for the outro text into the **Closing title** input field. Other text attributes such as font and alignment are defined by the template and cannot be modified.
7. Click the **Music and Duration** tab.
   ➔ The tab is displayed.
8. If you want to change the display duration of still pictures in your slide show, add the desired duration into the input field. Default duration is 3 seconds.
9. If you want to specify the volume level of the audio added by the template in contrast to the volume level of all other audio tracks which are already available in the timeline (e.g. sound of video file), move the slider in the **Volume mixer** area. If you do not move the slider, both **Original** and **Music** have the same audio level.

10. Click the **OK** button.
    → All changes are added to the slide show.
    → You have personalized your slide show.

4.3 General Editing of Photos

The following requirement must be fulfilled:

► The desired photos are available in the **Photo** library.

To edit and enhance photos in Nero MediaHub, proceed as follows:

1. Click the **Photos** library entry in the navigation tree on the left.
   → The photo browsing screen is displayed in the stack view.
2. Double-click the stack that contains a photo you want to edit.
   → The detailed browsing view is displayed with focus on the first item. All other items of the selected stack are listed below, a scrollbar on the right screen margin enables you to scroll the detailed browsing view. If you place your mouse pointer on an item, a preview is shown. It will fade out when you move the mouse pointer away.
3. Select the item you want to edit.
4. Click the **Edit** button on the lower task bar.
   → The **Editing Photos** screen is displayed. A preview of the preselected item is displayed in the content area.

   If you place the mouse pointer in the upper third of the content or editing area, a thumbnail strip is faded in. The thumbnail strip shows all items you selected in the photo browsing screen (check box selected). If you selected only one item, the thumbnail strip shows the photos of the corresponding group. If a photo is marked as favorite, a star icon is displayed in the lower right corner of the respective thumbnail. You can navigate through the items of the thumbnail strip using the ◄ and ► buttons. Click a thumbnail to choose the respective photo and display it in the content area.

5. Click the **Auto enhance** button on the lower task bar.
   → The quality of the selected photo is automatically improved, based on terms of reference.
6. If you want to additionally adjust a photo by means of cropping or adding effects, choose the respective editing option from the lower task bar.
7. Click the back button in the upper left of the screen to return to the previous screen.
   → All changes are automatically saved to your photo.
   → You edited and enhanced a photo.

See also

Photo Editing → 19
Photo Browsing Screen → 16
Removing Red Eyes → 44

Adding Effects to Photos → 44
Cropping a Photo → 44

4.4 Removing Red Eyes

The following requirement must be fulfilled:

► The desired photo is opened for editing in the **Editing Photos** screen.

To remove red eyes from a photo, proceed as follows:

1. Click the **Red Eye Removal** button on the lower task bar.
   → The **Red Eye Removal** window is opened. A rectangle is displayed in the content area.
2. Define the size and position of the rectangle around the affected area of the photo.
3. Click the **Apply** button.
   → The red eyes are removed automatically.
4. Click the back button in the upper left of the screen to return to the previous screen.
   → All changes are automatically saved to the photo.
   ➔ You have removed red eyes from a photo.

See also

General Editing of Photos → 43

4.5 Adding Effects to Photos

The following requirement must be fulfilled:

► The desired photo is opened for editing in the **Editing Photos** screen.

To add an effect to a photo, proceed as follows:

1. Click the **Modify** button on the lower task bar.
   → The **Modify** window is opened.
2. Click the **Effects** tab.
   → Color and editing effects are listed.
3. If you want to see a preview of an effect, place the mouse pointer on an effect thumbnail.
   → A preview of the result is displayed in the **Editing Photos** screen.
4. Click the respective thumbnail to actually apply the desired effect.
   → The effect is added to the photo.
   ➔ You added an effect to a photo.

See also

General Editing of Photos → 43

4.6 Cropping a Photo

The following requirement must be fulfilled:

► The desired photo is opened for editing in the **Editing Photos** screen.

To crop your photo, proceed as follows:

1. Click the **Crop** button on the lower task bar.
   → The **Crop** window is opened. A rectangle is displayed in the content area. You can choose from several templates that are defining the aspect ratio of a crop frame. You can also change the size of your item manually.
2. If you want to choose a defined format:
   1. Select the respective entry from the drop-down menu.
      → The highlighted rectangle in the content area is adapted.
      → If appropriate, an additional **Landscape**/**Portrait** button is displayed in the **Crop** window.
   2. If you want to rotate the cropping frame from horizontal to upright or vice versa, click the **Landscape**/**Portrait** button.
      → The highlighted rectangle is adapted.
3. If you want to crop manually:
   1. Choose the **Manual** entry from the drop-down menu.
      → A highlighted rectangle is displayed in the content area.
   2. Hover the mouse pointer over an angle of the cropping frame.
      → The mouse pointer changes into a cropping tool.
   3. Click, hold, and move the cropping tool to adjust the size of the rectangle and cropping frame.
   4. Click and hold the rectangle and move the cropping frame to the desired position in the content area.
      → The highlighted rectangle is adapted.
4. Click the **Apply** button.
   → The item is cut to the size of the highlighted rectangle.
5. Click the back button in the upper left of the screen to return to the previous screen.
   → All changes are automatically saved to the photo.
   → You have cropped a photo.

See also

General Editing of Photos → 43

5 Importing

5.1 Importing from Device

If you connect a supported digital camera (DSC) or AVCHD camcorder to your computer, Nero MediaHub automatically offers the import of your photos or videos.

Other USB devices are supported in case they contain a folder called DCIM.

To import media files from the selected source, proceed as follows:

1. Connect the supported device to your computer.
   → The **Nero MediaHub Import** window is opened.

   The window is also opened when you click the **Import From Device** button in one of the browsing screens (with supported device connected). If no new files need to be copied from the connected device to your computer, the **Import** button remains gray.

2. If you want to change the title of the new folder that will be created for the new media files, enter the desired name into the **Folder name** input field. By default the folder is named for the current date.
3. If you want Nero MediaHub to erase the original files from the device after the import, select the respective check box.
4. If you want to check or change the import options (i.e. the target directories):
   1. Click the **Import Options** button.
   2. The **Options** window is opened with the import options displayed. If you import files to the library, the files you import will be copied to the folders you choose in this area.
   3. If you want to change any storage directory, click the respective **Browse** button to browse it.
   4. Click the **OK** button.
5. Click the **Import** button.
   → The importing process is started. A status bar is displayed in the lower left of the main window to show the progress of the importing process.
   → When the importing process is successfully completed, the files are automatically displayed in the respective browsing screen.
   → You have imported media files from the selected source.

See also

Main Window → 9

5.2 Ripping From Audio CD

To rip single tracks or a whole album from CD, proceed as follows:

1. Insert the respective Audio CD into the disc drive of your computer.
2. Click the **Devices** entry and choose the respective disc drive entry in the navigation tree on the left.
   → The Audio CD browsing screen is displayed.
3. Select the respective tracks or the whole album and click the **Start ripping from CD** button on the lower task bar.
   → The ripping process is started. Switching to another screen will not stop the ripping. A small display in the lower left corner of the main window stays visible and shows the progress.
   → When the ripping is completed, the library is being updated.
   → You have saved single tracks or a whole album from CD to your computer.

See also

Audio CD Browsing and Playback → 30

6 Publishing

6.1 Burning to Disc

The following requirement must be fulfilled:

- The desired playlist or slide show project is available in the respective browsing or editing screen.

To burn a playlist or a slide show project to disc, proceed as follows:

1. Click the **Publish** button on the lower task bar.
   → The **Publish** screen is displayed. The upper area shows the content of your compilation. In the lower area of the screen different ways to publish the project content are offered.
2. Click the tab of the respective recorder.
   → The respective setting options are displayed.
3. Choose the target disc type from the **Compilation type** drop-down menu.
4. Click the **Burn** button in the lower right of the tab.
   → The burning process is started. A status bar is displayed to show the progress of the publishing process.

   Instead of publishing your project in Nero MediaHub you can move the unfinished compilation to Nero Vision for expert editing. If you want to move the selection, click the **Advanced Editing** button on the lower task bar.

   → You have published single files or collections.

See also

Publish Screen → 36

6.2 Uploading to Community

The following requirement must be fulfilled:

- The desired file or project is available in the **Publish** screen.

To upload a file or project to an Internet community, proceed as follows:

1. Click the **Upload to community** tab in the lower area of the screen.
   → The tab is displayed.
2. Click the **Upload** button in the lower right of the tab.
   → The **Nero Community Upload** window is opened.
3. Choose your preferred Internet community in the upper area of the screen.
   → The tab is displayed on that you can activate the respective community features.
4. Enter your account data and click the **Login** button.
   → The respective setting options are displayed.

5. Add all expected and your desired metadata into the input fields.
6. Click the **Upload** button.
   → The uploading process is started.
   → You have uploaded a file or a project to an Internet community.

See also

Publish Screen → 36

7 Technical Information

7.1 System Requirements

Nero MediaHub is installed along with its 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:

Additional requirements for playback of unprotected high-definition content (e.g. AVCHD) includes one of the following processors:

- AMD Athlon 64 FX 2.6 GHz or faster
- AMD Athlon 64 X2 2.2 GHz or faster
- AMD Turion 64 X2 2 GHz or faster
- Intel Core Duo 2 GHz or faster
- Intel Core 2 Duo 1.8 GHz or faster
- Intel Pentium Extreme Edition 3.2 GHz or faster
- Intel Pentium D 3.4 GHz or faster
- 1 GB of RAM or more (recommended)

A graphics card with at least 256 MB of video RAM based on one of the following:

- NVIDIA GeForce 6600 GT, 7600 GT, 7800 GTX 512, 7900 GS, 7900 GT, 7900 GX, 7900 GTX, 7950 GT, 7950 GTX, 8500, 8600, 8800, 8400 M, 8600 M, or higher.
- ATI X1600, X1650, X1800, X1900, X1950, ATI Radeon HD series, or higher

Additional requirements for playback of unprotected high-definition content (self-recorded BD-AV discs):

- For 64-bit systems, Windows Vista or Windows 7 is required.
- The installed Blu-ray Disc drive must support AACS.
- One of the following graphic setups:
- PCI Express/onboard video card with built-in display (e.g. notebook or integrated PC).
- PCI Express video card with DVI/HDMI and HDCP support, display/TV with HDMI input or HDCP-enabled DBI input.
- PCI Express video card with VGA output and VGA monitor (some discs may not play or only play with reduced resolution on analog displays).
- PCI Express video card with component/video output and support for CGMS-A and Macrovision, TV/projector (some discs may not play or only play with reduced resolution on analog displays).
- Latest graphics drivers with COPP support (ATI Catalyst 8.1, NVIDIA ForceWare 169.21 [Windows XP], ForceWare 169.25 [Windows Vista or higher recommended]).

To determine whether a display or TV supports HDCP, please check the documentation.

Some combinations of graphics cards, displays, and discs may result in reduced resolution playback. Use of a card and display that supports HDCP is recommended for best results.

7.2 Supported Formats and Codecs

7.2.1 Audio Formats and Codecs

- Moving Picture Experts Group-2 Audio Layer 1/2 (M2A)
- Moving Picture Experts Group-1 Audio Layer 2 (MP2, MP2A, MPA, MPA2)
- Monkey's audio (APE)
- Matroska (MKA)
- Advanced Audio Coding (AAC, M4A, MP4)
- Audio Interchange File Format (AIFF, AIF)
- Compact Disc Digital Audio (CDA)
- Dolby Digital (AC3)
- Moving Picture Experts Group-1 Audio Layer 3 (MP3)
- Moving Picture Experts Group - 1 Audio Layer 1/2/3 (MPA)
- Resource Interchange File Format WAVE (WAV, WAVE)
- Windows Media Audio (WMA)
- Free Lossless Audio Codec (FLAC)
- LC-AAC/HE-AAC (MP4, M4A, QT, MOV)
- OGG Vorbis (OGG, OGA)

7.2.2 Video Formats and Codecs

- Windows Media Center (WTV)
- Digital Video (DV, DVSD)
- Moving Picture Experts Group-1 (MPE, MPEG, M1V, MPV2, MP2V)
- Moving Picture Experts Group-4 (MP4, M4V)
- Moving Picture Experts Group-2 (MPG, MPEG, MTS, M2T, M2TS, M2P, M2V, DAT, TRP, TOD, TS)
- Advanced Streaming Format (ASF)
- Audio Video Interleave (AVI)
- Advanced Video Coding/H.264 (BSF)
- AviSynth (AVS)

- Backup File of the IFO (BUP)
- DVD Movie Info (IFO)
- Flash Video (FLV)
- Hard Disc Camera Movie (MOD)
- Matroska (MKV)
- Micro MV (MMV)
- Microsoft Digital Video Recording (DVR-MS)
- Digital Video Express (DIVX)
- OGG Vorbis (OGG, OGM)
- QuickTime Movie (MOV)
- 3rd Generation Partnership Project (3GP, 3G2)
- Video Object (VOB)
- Motion Joint Photografic Expert Group (MJPG)

7.2.3 Image Formats

- Bitmap (BMP)
- Graphics Interchange Format (GIF)
- Portable Network Graphics (PNG)
- Tagged Image File Format (TIFF, TIF)
- Joint Photographic Expert Group (JPEG, JPG, JPE, LJP)

7.3 Keyboard Shortcuts

The following shortcuts for entering keyboard commands are available in Nero MediaHub.

The following **General** key combinations are available:

F1	Opens help.
[Shift+F10]	Opens context menu.
Tab	Moves to next control.
[Shift+Tab]	Moves to previous control.
[Alt+Page down] / [Alt+F4]	Opens selected drop-down menu.
[Alt+Page up] / [Alt+F4]	Closes selected drop-down menu.
[Ctrl+S]	Stopps current active playback.

[Ctrl+P]	Starts/pauses playback.
[Ctrl+B]	Skips to previous in current active playback.
[Ctrl+N]	Skips to next in current active playback.
[Ctrl+D]	Opens **Options** window.
[Ctrl+Shift+B]	Switches to background audio.
[Ctrl+F]	Selects the input field of the search box.
F10	Displays/closes **Publish** screen.
[Ctrl+Plus]	Volume up.
[Ctrl+Minus]	Volume down.
[Ctrl+M]	Mutes volume.
[Ctrl+Page up]	Opens **More** menu.
F12	Opens additional functionalities pop-up menu.
Space	Matches a click with the left mouse button: Launches the action of a selected button, selects or deselects items or stacks.
Enter	Plays or shows items. Executes buttons. For stacks: One level down.
[Ctrl+W]	Shows storage path in Windows Explorer.

The following keyboard combinations are additionally available on the navigation tree:

Page up / Page down	Moves selection rectangle.
Right arrow key	Displays subentries of a selected entry.
Left arrow key	Hides subentries of a selected entry.
Backspace	Navigates one level up.
Enter	Opens selected group.

The following keyboard combinations are additionally available in the browsing screens:

[Ctrl+I]	Opens **Import** window.
[Ctrl+A]	Selects all.

Arrow keys	Moves selection rectangle.
[Ctrg+scroll]	Zooms in or out.
Del	Deletes item or stack.
F2	Renames selected item.
F3	Creates empty playlist or slide show.
F6	Opens/closes the **Media Info** pop-up area.
Home	Moves to the top of a content list.
End	Moves to the bottom of a content list.
[Ctrl+T]	Marks selected item as favorite.
[Ctrl+R]	Rotates clockwise.
[Ctrl+Shift+R]	Rotates counter-clockwise.

The following keyboard combinations are additionally available in the **Photo Editing** screen:

M	Opens/closes the **Modify** window.
[Ctrl+scroll]	Zooms in or out.
[Ctrl+Z] / [Alt+Shift+Backspace]	Redo.
[Ctrl+Y] / [Alt+Backspace]	Undo.
Left arrow key	Shows previous photo.
Right arrow key	Shows next photo.
[Ctrl+T]	Marks selected item as favorite.
[Ctrl+R]	Rotates clockwise.
[Ctrl+Shift+R]	Rotates counter-clockwise.

The following keyboard combinations are additionally available in the **Video Playback** screen:

Enter	Starts/pauses playback in fullscreen mode.
L	Changes language.
A	Changes aspect ratio.
F11	Toggles between full screen and window view.
[Ctrl+O]	Opens file on HDD.
O	Toggles between OSD on/off.
R	Rewinds. Rewinds slow in pause mode.
F	Fast forwards. Fast forwards slow in pause mode.
P	Starts/pauses playback
S	Stopps current active playback.

The following keyboard combinations are additionally available for disc handling:

Arrow keys	Moves selection within disc menu.
[Ctrl+G]	Goes to [time].
G	Changes angle.
[Ctrl+E]	Ejects disc.
Page up	Goes to next chapter.
Page down	Goes to previous chapter.
[Ctrl+U]	Opens advanced BD controls.
X, C, V, B	Red, Green, Yellow and Blue.
Q	Shows Blu-Ray pop-up menu.
D	Goes to root menu.
[Ctrl+left]	Skips previous title.
[Ctrl+right]	Skips next title.

The following keyboard combinations are additionally available in the **Music Playback** screen:

[Ctrl+Shift+C]	Changes to **Repeat** mode.
[Ctrl+Shift+S]	Shuffle.

The following keyboard combinations are additionally available in the **Slideshow** screen:

F5	Opens the **Add file** window.
P	Starts/pauses playback
S	Stopps current active playback.
[Ctrl+R]	Rotates clockwise.
[Ctrl+Shift+R]	Rotates counter-clockwise.

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