

# Ashampoo Burning Studio 21 Manual

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## Start

Ashampoo Burning Studio 21 supports two navigation modes: carousel and menu-based. Use the **button** to switch between them.

## Carousel mode



In this mode, program modules appear as separate tiles.

Hover your mouse pointer over a tile to display a brief summary of the features contained.



Click a tile to expand its features. The currently selected tile always moves to the left of the screen.

Hover your mouse pointer over a feature to display a brief description and click to navigate to the associated program section.



## New Disc + disc spanning

Burn large amounts of data automatically across multiple volumes, should it exceed the capacity of a single disc.

Use the arrow buttons to browse between the tiles. The leftmost tile is always auto-selected.



### Favorites

The program automatically lists your most frequently used features under "Favorites".



Click the star icon behind a feature to include it under "Favorites".



To remove a feature from "Favorites", click the start icon again.

## Menu-based mode

This mode displays modules and features as classic menus. Simply hover your mouse pointer over an entry, to display its subentries.



## Basics

## Breadcrumb bar



Many file selection dialogs throughout Ashampoo Burning Studio 21 offer a breadcrumb bar that helps you keep track of your files as well as allowing you to navigate quickly between folders. Click the arrow behind a folder to display its contents as a popup menu and select an entry to navigate to that folder.

## **Project settings**



Use the top left button to save your current project settings or load a saved project. You may also change the program language or appearance here.

## Adding files

Adding files is mainly achieved through the following dialog.



The top navigation bar helps you navigate between existing or newly added folders. Folder structures are shown in the left area, folder contents are displayed in the center. The bar display at the bottom visualizes the current space requirements of your selection. This helps you quickly determine whether your data will fit on a CD for example.

### **Buttons**



- **1. Add** Allows you to add files and folders. New files will always be added to the currently open folder. In the example above, new files would be added to the "Ashampoo" folder. Alternatively, you may also drag files and folders from Windows Explorer into the window to add them to the project.
- 2. New Folder Creates a new folder.
- **3. Remove** Removes the selected elements from the project.
- **4. Rename** Renames files and folders.

**5. Open** Opens the selected file in the Windows default application.

### Context menu

🤗 🔛 above_ 🥝 🔛 baker.j	1	Rename	
🥝 🔛 berlin.j	0	Remove	
🥝 🔛 bridge	:	Save items as text	

Right-click a file/folder to bring up the context menu.

**Remove** Removes the selected elements from the project.

**Save items as** Creates a text file that contains all file/folder entries. **text** 

## Selecting files

With the exception of the backup feature, file selection is either done through the integrated file selection dialog or the Windows default file selection dialog.

### Burning Studio file selection dialog

Add Files and	Folders			<u></u>		×
📙 🕨 Windov	ws 🕨 Desktop 🕨 Bibliot	neken 🕨 Bilder 🕨 Ashampoo Photo	Card ▶			1
Default	Smart	Name	Date	Туре	Size	
× 🖻	Bilder 🔺	apcdoc		Dateiordner		
>	APC Capture	Ashampoo_Card - 2013.07.25	15.23 - 002 25.07.2013 15:23	JPG-Datei	148 K	В
>	APC Scan	Ashampoo_Card - 2013.10.10	14.59 - 001 10.10.2013 14:59	JPG-Datei	274 K	B
>	APC Wizard					
>	Ashampoo Burr					
>	Ashampoo Burr					
>	Ashampoo Burr					
>	Ashampoo Mec					
>	Ashampoo Pho					
>	Ashampoo Pho					
>	Ashampoo Pho					
>	Ashampoo Slide					
>	Ashampoo Slide					
>	Ashampoo Snaj					
>	Ashampoo Snaj					
>	Ashampoo Snaj					
>	Ashampoo Snat					
>	Ashampoo Snaj					
>	Ashampoo Snaj					
>	Ashampoo Snaj					
>	Eigene Aufnahn					
>						
File name:					A	dd
Files of type:		Files and F	olders (.*)	÷	CI	ose

The dialog is structured like the classic Window dialog with a navigation bar and buttons for "Go back" and "Create folder" at the top, a folder structure view that allows you to click the plus/minus symbols to expand/collapse folders and a folder contents view in the center. Folder contents are displayed as a table view with details such as file sizes. Click a column to sort files in ascending/descending order. "File Name:" and "Tile of type:" behave like their counterparts in the Windows dialog.

### Smart file selection

Click "Smart" to group your files by category (Document, Image, Movie, Music). Note that scanning your disk for file types belonging to the selected category may take a while.

Classic Windows file selection dialog



If you have this setting enabled, file selections will be done through the Windows default file selection dialog.

## Selecting a disc recorder



Use the dropdown menu to select your disc recorder or enable "Writing a disc image file instead of burning a disc" to create a disc image instead.

### **Burning settings**

Verify	Enable this setting to have the program check the finished disc for errors.
Finalize	If you're certain you won't be adding any files to the disc at a later time, you may enable this setting to have the disc finalized. By default, this setting is disabled meaning that you can add additional files to the disc at a later time (multisession).
Disc at once	In this mode, all data will be burned to the disc in one go with the disc being finalized thereafter. You may need to enable this setting for audio discs that otherwise won't play in your older CD player.
Cache data	Enable this setting to avoid errors on slower PCs and have all data buffered on your hard disk before burning commences.
Shut down	Enable this option to have the computer shut down once burning is complete.
Sound after burning	If enabled, the program will play a sound once burning is complete.
Speed	Select your desired speed here. You may need to lower the speed in case write errors occur.
Number of Copies	Set the number of copies here. The original disc also counts as 1 copy.

## Disc recording status

During recording, progress as well as status and error messages will be displayed in a separate dialog.



Once the disc is complete, additional steps will be available through the quickstart pane.



## Selecting a drive



Use the drop-down menu to select the drive that contains the disc or click "Open Tray" to insert a new disc.

## Acquiring images

This feature allows you to insert images, e.g. to use them with disc covers.



The toolbar allows you to rotate or mirror inserted images.

### Import image

From internet	Allows you to specify an Internet address for an image source. More on that here.
From file	Loads an image file from a local drive.
From scanner or camera	Uses the TWAIN interface to acquire an image through a connected scanner or digital camera using the software that came with the affected device.
Select source	Allows you to select the TWAIN device.
From cover search	Uses the cover search feature to retrieve images from the Internet based on search terms. More on that here.

### From Internet



Enter the URL for the image resource to import.

### From cover search



Enter a search term and click "Search" to find suitable covers online.

## Editing text

Text editing is done through a separate editor throughout the application.



### Toolbar

Cut	Cuts the current selection and copies it to the system clipboard.
Сору	Copies the current selection to the system clipboard.
Paste	Pastes the text from the clipboard at the current cursor location.
Bold	Reformats the selected text with bold characters.
Italic	Reformats the selected text with italic characters.
Underline	Reformats the selected text with underline characters.
Align left	Aligns the selected text left.
Center	Centers the selected text.
Align right	Aligns the selected text right.
Font	Allows you to apply a different font and formatting style.
Color	Enables you to select a different font color.
Insert symbol	Inserts special characters.
Insert URL	Inserts an Internet link.

### Menus

- **Edit** Provides undo/redo as well as cut/copy/paste functions.
- Format Allows you to align text and modify line spacing.
- **Insert** Inserts special characters or Internet links.

## **Editing shapes**



First, select a shape type. Then, use "Pen" to specify the border color and "Brush" to fill the shape with either a single color or two colors as a gradient. Use the transparency slider to adjust the opacity of the shape.

## **Editing tables**

•	b	/ Ц ≣≣≣ ∧[		2 2		
	Index	Title	Performer	Duration		New Row
0	No.	Title	Performer	Duration	•	10 ALMAN
1	1	Mystery Trance Intro Vol. 6	Elements Of Trance	1:25		Remove
2	2	Inside My Soul (Hitch Hiker vs. Abel & Kain Mix)		3:39		
3	3	Saltwater (Tomski vs. Disco Citizen Remix)	Chicane	4:43		Move Down
4	4	On The Beach (Hiker & Dumondt RMX)	York	4:40		Move Down
5	5	The Meltdown	Lunatic Asylum	3:51		Visible Columns:
6	6	7Th Phase	Hitch Hiker And Dumont	3:08		
7	7	Sirius	Subtle By Demand	5:22		Index
8	8	Dark Effect	Sued-Zucker	3:14		✓ Title
9	9	Waiting For You (Full Mix)	Indoctrinate	4:45		Performer
10	10	Stupid	DJ Merlyn	4:39		Display-Filename
11	11	Wolcome to the Future (X-Tended)	Nova	2:32		Size
12	12	Welcome To The Paradise (Trance Mix)	Sanity	4:10		
13	13	Toca Me (Club Mix)	Fragma	4:10		2
14	14	Mindgames (Melow-D Remix)	Nostrum	3:42		
			Taliaco a secondaria			

Double-click a table cell to edit it using the text editor. Click the line number to select the entire row or the column number to select the entire column. To adjust column widths, move the mouse to the left or right edge of the affected column label and drag to modify.

### Toolbar

Undo	Undoes the last action.
Redo	Redoes the last undone action.
Bold	Reformats the selected text with bold characters.
Italic	Reformats the selected text with italic characters.
Underline	Reformats the selected text with underline characters.
Align left	Aligns the selected text left.
Center	Centers the selected text.
Align right	Aligns the selected text right.
Font	Allows you to apply a different font and formatting style.

Color	Enables you to select a different font color.
Insert column	Inserts a column behind the selected cell.
Insert row above	Inserts a row above the current row.
Insert row below	Inserts a row below the current row.
Delete column	Deletes the column associated with the currently selected cell.
Delete row	Deletes the current row.
Empty row	Empties the current row.

### **Buttons**

New row	Inserts a new row below the current row.	
Remove	Deletes the current row.	
Move Up	Moves the current row up by one row.	
Move Down	Moves the current row down by one row.	
Visible Columns	Allows you to enable/disable single columns.	
Move Left	Moves the selected column left by one column.	
Move Right	Moves the selected column right by one column.	

## Burn Data

## New Disc

- 1. Add the files and folders to be burned.
- 2. Select a disc recorder and adjust the burning settings.
- 3. Start burning. The current recording status will be displayed visually.

## New Disc + Disc Spanning

Disc Spanning allows you to backup huge amounts of data across multiple discs with ease. The program will determine the number of required discs for you and burn them sequentially. Apart from that, the procedure is identical to burning a regular data disc. The program will automatically prompt you to insert the next disc once a disc is finished.



### New Disc + Autostart

Aside from data, your discs may also include a sophisticated menu or autostart behavior that will launch a particular file, once the disc is inserted.

- 1. Add files and folders to be burned.
- 2. Select your desired autostart behavior.



#### **Interactive Menu**



- 3. Select a disc recorder.
- 4. Start burning. The current recording status will be displayed visually.

### Interactive Menu

Format	
🧐 🔗 Stand-alone (Default) 夏 — Browser-based	
Product Title	
Title: My menu	
Background Music	
File: No background music	Clear Browse
Loop the music	
This will play in the background for as long as the menu is open (30 seconds max. due to file size).	
	Clear Browse
This icon will be used in Windows Explorer for the disc or drive.	

First, select whether the menu will be a standalone application or be run in a web browser and enter a title. You may additionally select a background music and modify the icon that will be displayed in the task bar.

### Setting the splash screen



Either select a design from the left or use "Load Image" to set a background image. If you select a design, you will also be able to edit the greeting text. Use the slider to adjust the display duration for the splash screen.

### Editing the design

The menu designer helps you create individual disc menus.



The example above is using the "Autumn" theme with a "2x2 with Image" layout. Double-click a theme/layout to adjust your settings later.

### Toolbar

Undo	Undoes the last operation.
Redo	Redoes the last undone operation.
Cut	Cuts the current object and copies it to the system clipboard.
Сору	Copies the current object to the system clipboard.
Paste	Pastes the currently copied object into the menu.
Duplicate	Creates a copy of the selected object.
Delete	Deletes the selected object.
Send to front	Sends the selected object to the front.
Send to back	Sends the selected object to the back.
Rotate left	Rotates the selected object 90° left.
Rotate right	Rotates the selected object 90° right.

Mirror vertically	Mirrors the selected object vertically.
Mirror horizontally	Mirrors the selected object horizontally.
Acquire image	Allows you to insert images from external source. More on that here.
Preview	Displays a fully functional menu preview.

Working with objects



Click an existing object to select it and drag the surrounding markers to adjust its size. Drag the center marker to adjust its position. Hold down Alt or Ctrl while dragging to align an object either with existing objects or the center point of your menu.

Double-click an object, e.g. a button, to view its properties.

- **New Button** Creates a new button.
- **Background** Allows you to select a an image file as background image.
- **New Image** Creates an image object.
- **New Text** Creates a text object using the <u>text editor</u>. Adjust the size of the object to modify the angle for circular text objects.
- **New Shape** Creates a shape. More on that <u>here</u>.

#### Files / Buttons tabs



"Files" contains a list of all files included in the current project. Right click an entry to create a button that is linked to that file.



"Buttons" allows you to apply different designs to selected button objects or create new objects by double-clicking.

### Editing buttons

Edit Button	
Define the name and action for the selected button	
Name: Button	
Hint:	
The following hint is displayed while a user moves the mouse over th	e button
Action	
Please define what action should be taken when the button is clicked:	
Execute a file	
File:	Browse
Open a folder	
Folder:	Browse
Change active page	
Page: Go back to previou	s page 🔻
Open a website	
Website Address:	
Send an E-Mail	
E-Mail Address:	
Quit the program	
Help	Ok Cancel

You may specify different behaviors for each button. First, enter a name and tooltip text. Then, select your desired behavior. Depending on the selected behavior, you may need to specify additional data such as a URL for "Open a website". Use the preview feature from the toolbar to test your settings.

### Editing pages



Each page can contain individual button an object combinations. You may provide page navigation by adjusting <u>button properties</u>.

Create new Page	Creates a new page. More on that here.
Edit Page	Allows you to <u>rename</u> a page.
Delete Page	Deletes the selected page from the menu.
Preview Page	Displays a fully functional page preview.

#### Creating new pages



First, input a name for the new page. You may then select an existing design or layout.

### **Editing pages**



Simply enter the new name and click "Ok".

### Autoplay



Select a file to be opened when the disc is later inserted and specify an icon, if required.

File selection



Only files that will be included on the disc are selectable.

## New Encrypted Disc

- 1. Add the files and folders to be burned.
- 2. Then, specify the password to be used. You will require the password whenever you try to access your files later.

Please enter a password and enter it a second time for Do not forget the password! If the password is lost, the stored data cannot be rec	
Password:	
[	Too short
Confirm Password:	

- 3. Select your disc recorder and settings.
- 4. Start burning. The current recording status will be displayed visually.

## Create disc

To ensure readability of your data even in the event of significant surface damage, this function creates and burns multiple copies of your data that will be later used instead of the damaged original files. Note that file duplication diminishes the overall storage capacity of your disc.



- 1. Add the files and folders to be burned.
- 2. Select a disc recorder and adjust the burning settings.
- 3. Start burning. The current <u>recording status</u> will be displayed visually.

A rescue program will automatically be included in your compilation. The corresponding files are auto-selected and cannot be removed.

### **Buttons**



- **1. Add** Allows you to add files and folders. New files will always be added to the currently open folder. In the example above, new files would be added to the "Ashampoo" folder. Alternatively, you may also drag files and folders from Windows Explorer into the window to add them to the project.
- **2. New Folder** Creates a new folder.
- **3. Remove** Removes the selected elements from the project.
- 4. Rename Renames files and folders.

### **Protection Level**



This display gives you visual feedback on how many copies will be created depending on your current file selection (more than 32 in this example). The more copies, the higher the chances of data recovery in the event of physical disc damage. Note that the program will always use up the entire available disc space to create as many copies as possible.

Click the disc types to update the status bar for the selected type.

### Status bar



Scratch protection uses up at least 50% of the available disc space. In the above example, a DVD with a capacity of 4.6 GB is used. This means, the user has 2.3 GB of space available for files. 0.6 GB have already been used which means 1.6 GB are still available. "Protection Area" shows how much disc space will be used to create copies.

### **Restore disc**

Naturally, you can open discs that were burned using scratch protection the same way as any regular disc in Windows Explorer. In the event of disc damage, we recommend you use the rescue tool either through Ashampoo Burning Studio 21 or by double-clicking "<u>startrescueexplorer.exe" on the affected disc.</u>

### Ashampoo Rescue Explorer



<u>Ashampoo Rescue Explorer can restore your data from scratched discs that were created with the scratch protection feature. To launch the program from the affected disc, simply double-click the </u>\_startrescueexplorer.exe" file.



1. Directory structure	Folders are presented as a hierarchical tree view. Use the plus/minus buttons to expand/collapse individual folders and the checkboxes to select them including contained subfolders and files.
2. Directory content	Files and subfolders for the currently selected folder (1) are shown here. Use the checkboxes to select individual folders/files.
3. Status view	Details on the current recovery process are displayed here.

Click "Extract" and select the target folder to begin the recovery process. Details will appear in the status view (3). The program will automatically replace corrupt files with one of the backups (if available).

## Update Disc

Use this feature to add files to existing, not yet finalized discs. Note that, even though you are able to remove existing files through the file selection window, these files will only be marked as deleted for non rewritable discs and will continue to occupy space.

The procedure itself is mostly identical to "New Data Disc" but the order of the steps is slightly different.

## Audio + Music

## Create Audio CD



Click the plus button to add audio files. Use the arrow up/down buttons to move songs up or down in the playlist and use the trash can button to delete files. Click the two intertwined arrows to randomly rearrange your songs, use the play button to preview your songs and the button with the three sliders to access the <u>equalizer settings</u> for the selected files.

Use **normalization** to adjust the volume levels or your songs and to modify the pauses between songs.

Then, select your disc recorder and start the burning process.

Equalizer effects
Equalizer				
	<b>r settings</b> equalizer effect to one or more	: tracks.		
Track	Title	Length	Equalizer	Path
01	Chinese Morning	02:03	-	D:\Downloads\Music\My Music\C
02	Xmas	06:04		D:\Downloads\Music\My Music\
Equalizer	- Increase Bass Decrease Bass Increase Heights Decrease Heights Loudness Acoustic Dance Electronic Singing			OK Cancel

Click a song and then select an effect from the "Equalizer" dropdown menu. Use the bottom player to preview your changes.

# Normalization

Normalizer			×
Normalize settings			
his will make the volum	ne of all tracks on the CD roughly equal.		
🛙 Normalize the volu			
	ume of all tracks		
🗹 Automatic			
72.0dB	89.0dB	92.0dB	
	89.0dB	92.0dB	

Normalization adjust the volume levels of several songs around a common level. Use the slider to set the volume level manually or let the application to it automatically for you.

# Pauses

udio pause settings pply or remove pauses at the beginning of the tracks.	
	(J) (D)
Insert the standard 2 second pause between the track	is of the CD
No pauses between the tracks of the CD	
Set the pause individually for every track of the CD (0	-5 Seconds)
Title	Pause (seconds)
1 Shoot or Die	0.0
2 Mountain Madness	0.0
3 Thunder Plains	0.0

By default, the program places a 2s pause in between songs but you can also disables pauses entirely or enter your own duration for each song.

# Create MP3 or WMA Disc



First, select an output format and bitrate/quality. The higher the quality, the fewer files will fit on your disc. Then,

add your audio files. Once you've then <u>selected your disc recorder</u>, your files will be converted and the <u>burning process</u> process will commence.

Adding audio files



The **procedure** is identical to that of creating a data disc except only audio files can be added this time. Aside from individual files, you can also add files from playlists in the common ".m3u" format.

# **Conversion status**

Converting input file: 101-chris_huelsbeck-shoot_or_die.mp3	
yress:	j,

Progress is displayed visually.

# Copy Music Files to Disc

- 1. Add the files to be burned.
- 2. Select a disc recorder and settings.
- 3. Start burning. The current recording status will be displayed visually.

# Rip Audio CD

Ripping turns your music CDs into audio files such as MP3s.



Insert your audio CD. Then, <u>select your tracks</u> and add information on artist, title etc. Finally, adjust the <u>settings</u> and begin ripping.

# Selecting tracks

Artist: Hitch Hik	er		
Album: J Hitch H	ker: Mystery Trance Vol. 6 CD 1		
Year. 1999			
Change Genre: Trance			
rack Title	Artist:	Length	
1 Mystery Trance Intro Vol_ 6	Elements Of Trance		
2 Inside My Soul (Hitch Hiker vs_ Abel & Kain	vix) DJ Hitch Hiker Feat. Abel And	ain 03:39	Tt
3 Saltwater (Tomski vs_ Disco Citizen Remix)			Τî
4 On The Beach (Hiker & Dumondt RMX)		04:40	
5 The Meltdown	Lunatic Asylum		
6 7Th Phase	Hitch Hiker And Dumont		
7 Sirius	Subtle By Demand		
8 Dark Effect			
9 Waiting For You (Full Mix)	Indoctrinate	04:45	
10 Stupid	DJ Merlyn		
11 Wolcome to the Future (X-Tended)			
12 Welcome To The Paradise (Trance Mix)			
13 Toca Me (Club Mix)	Fragma		
14 Mindgames (Melow-D Remix)			
15 Xpander	Sasha		
16 Future (Cyber Remix)	Wag And Y.O.M.C.		
17 Angel Dust	Abel And Kain		
🛿 18 Automatic (Hitcher Hiker & Dumondt Remix	Chrome And Price		

By default, all tracks will be selected followed by an online search for additional information such



Select All Select all tracks.

- Select None Clears the selection.
- **Capitalize** Capitalizes the first letter of all entries including artist, album and genre.
- **Rename** Renames the selected track.
- Plays the selected track with the integrated audio player.

#### Change cover

Click "Change" to select an image file as cover or perform an online cover search.

## Settings



#### **Output Options**

Select the output format and quality. You may access quality settings trough "Change Options...".

#### **Output Folder**

Select the output location for the new files here.

#### Path / File Params

You may adjust the structure of the file names to your needs. Either select individual path parameters such as album name and artist or enable "Customize" and adjust the structure manually. Use the center preview to check your settings.

#### Adjusting parameters

For maximum flexibility, you may adjust the naming scheme manually. Input the desired segments via placeholders such as %TRACK% %TITLE%. You can access additional placeholders via "Add Placeholder". "%TRACK%" means that the track number will appear in that position in the file name.

## **Ripping status**



The status of the ripping process is presented visually.

# Create audio disc for car / player

Alpine         CDE-130RR         J         X         J         mp3           Alpine         CDE-131R         J         X         mp3           Alpine         CDE-131R         J         X         mp3           Alpine         CDE-138T         J         X         mp3           Alpine         CDE-1348T         J         X         mp3, m4a, wma           Alpine         CDE-1358T         J         X         J         mp3, m4a, wma           Alpine         CDE-1358T         J         X         J         mp3, m4a, wma           Alpine         CDE-1368T         J         X         J         mp3, m4a, wma           Alpine         CDE-1368T         J         X         J         mp3, m4a, wma           Alpine         CDE-140         J         X         J         mp3, mm4a	Generic         MP3 radio         ✓         ✓         ✓         mp3           AEG         AP3 radio with tagging         ✓         ✓         mp3         mp3           AEG         AR 4026         ✓         ✓         mp3, wma           AEG         CA 44027         ×         ×         ✓         mp3, wma           AEG         CA 44027         ×         ×         ✓         mp3, wma           ALG         CDA-9812R         ×         ×         ✓         mp3, m4a, wma           Alpine         CDA-9812R         ×         ×         ×         mp3, wma           Alpine         CDA-9852r         ×         ×         ×         mp3, wma           Alpine         CDA-9858         ×         ×         ×         mp3, wma           Alpine         CDA-9887R         ×	/lanufacturer	Name						Playlists
QenericMP3 radio with taggingVVVVmp3, wm3DAEGAR 4026VVVVmp3, wm3DAEGAR 4027XXVVmp3, wm3DAIpineCDA-117R1VXVVmp3, wm3DAIpineCDA-917R1VXXMp3, wm3DAipineCDA-912R8VXXmp3, wm3DAipineCDA-9012R8VXXmp3, wm3DAipineCDA-9012R8VXXmp3, wm3DAipineCDA-9012R8VXXmp3, wm3DAipineCDA-9012R8VXXmp3, wm3DAipineCDA-9052R8VXXmp3, wm3DAipineCDA-9052R8VXXmp3, wm3DAipineCDA-9053RVXXmp3, wm3DAipineCDA-9057RVXXmp3, wm3DAipineCDA-9057RVXXmp3, wm3DAipineCDA-9057RVXXmp3, m4a, wm3DAipineCDA-9057RVXXmp3, m4a, wm3DAipineCDA-9057RVXXmp3, m4a, wm3DAipineCDA-9057RVXXmp3, m4a, wm3DAipineCDA-9057RVXXmp3, m4a, wm3DAipineCDA-9057RVXXmp3, m4a, wm3DAipineCDE-1117RVXX<	Ceneric         MF3 radio with tagging         ✓         ✓         ✓         ✓         ✓         ✓         mp3           AEG         AR 4026         ✓         ✓         ✓         ✓         mp3, wma           AEG         AR 4027         ×         ×         ✓         ✓         mp3, wma           APAID         CDA-117R1         ✓         ×         ✓         ✓         mp3, wma           Alpine         CDA-912R8         ✓         ×         ×         mp3, wma           Alpine         CDA-9812R8         ✓         ×         ×         mp3, wma           Alpine         CDA-9812R         ✓         ×         ×         mp3, wma           Alpine         CDA-9812R         ✓         ×         ×         mp3, wma           Alpine         CDA-9817R         ✓         ×         ×         mp3, wma           Alpine         CDA-9852R8         ✓         ×         ×         mp3, wma           Alpine         CDA-9857R         ✓         ×         ×         mp3, wma           Alpine         CDA-9857R         ✓         ×         ×         mp3, wma           Alpine         CDA-9857R         ✓         × </td <td>Yamaha</td> <td>MX-58</td> <td>~</td> <td></td> <td>_</td> <td></td> <td>The second second</td> <td></td>	Yamaha	MX-58	~		_		The second second	
AEG         AR 4026         ✓         ✓         ✓         ✓         mp3, wma           AEG         AF 4027         ×         ×         ✓         mp3, wma           AAG         CS FM 660 BT         ×         ×         ✓         mp3, wma           Alpine         CDA-9612R8         ✓         ×         ×         mp3, wma           Alpine         CDA-9612R8         ✓         ×         ×         mp3, wma           Alpine         CDA-9613R         ✓         ×         ×         mp3, wma           Alpine         CDA-9613R         ✓         ×         ×         mp3, wma           Alpine         CDA-9615R8         ✓         ×         ×         mp3, wma           Alpine         CDA-9652RR         ✓         ×         ×         mp3, wma           Alpine         CDA-9652R         ✓         ×         ×         mp3, wma           Alpine         CDA-9652R         ✓         ×         ×         mp3, wma           Alpine         CDA-965R         ✓         ×         ×         mp3, wma           Alpine         CDA-965R         ✓         ×         ×         mp3, wma           Alpine <td< td=""><td>AEG       AR 4026       ✓       ✓       ✓       mp3, wma         AEG       AF 4027       ×       ×       ✓       mp3, wma         AAG       CS FM 660 BT       ✓       ×       ✓       mp3, wma         Alpine       CDA-9612RB       ✓       ×       ×       mp3, wma         Alpine       CDA-9612RB       ✓       ×       ×       mp3, wma         Alpine       CDA-9613R       ✓       ×       ×       mp3, wma         Alpine       CDA-9652RR       ✓       ×       ×       mp3, wma         Alpine       CDA-9652R       ✓       ×       ×       mp3, wma         Alpine       CDA-9653R       ✓       ×       ×       mp3, wma         Alpine       CDA-9853R       ✓       ×       ×       mp3, maa         Alpine       CDA-9863R       ✓       ×       ×       mp3, maa         Alpine       CDA-9867R       ×</td><td>Generic</td><td>MP3 radio</td><td>1</td><td>1</td><td>1</td><td>1</td><td>mp3</td><td></td></td<>	AEG       AR 4026       ✓       ✓       ✓       mp3, wma         AEG       AF 4027       ×       ×       ✓       mp3, wma         AAG       CS FM 660 BT       ✓       ×       ✓       mp3, wma         Alpine       CDA-9612RB       ✓       ×       ×       mp3, wma         Alpine       CDA-9612RB       ✓       ×       ×       mp3, wma         Alpine       CDA-9613R       ✓       ×       ×       mp3, wma         Alpine       CDA-9652RR       ✓       ×       ×       mp3, wma         Alpine       CDA-9652R       ✓       ×       ×       mp3, wma         Alpine       CDA-9653R       ✓       ×       ×       mp3, wma         Alpine       CDA-9853R       ✓       ×       ×       mp3, maa         Alpine       CDA-9863R       ✓       ×       ×       mp3, maa         Alpine       CDA-9867R       ×	Generic	MP3 radio	1	1	1	1	mp3	
DAGGAF.4 027××××✓mp3, wmaDAGGCS FMP 660 BT✓×✓✓mp3, wmaDApineCDA.9812R8✓×××mp3, wmaDApineCDA.9912R8✓×××mp3, wmaDApineCDA.9912R8✓×××mp3, wmaDApineCDA.9912R8✓×××mp3, wmaDApineCDA.9913R✓×××mp3, wmaDApineCDA.9913R✓×××mp3, wmaDApineCDA.9913R✓××mp3, wmaDApineCDA.9952R8✓××mp3, wmaDApineCDA.9953R✓××mp3, wmaDApineCDA.9953R✓××mp3, wmaDApineCDA.9953R✓××mp3, wmaDApineCDA.9953R✓××mp3, wmaDApineCDA.9953R✓××mp3, wmaDApineCDA.9953R✓××mp3, wmaDApineCDA.9953R✓××mp3, mm4, wmaDApineCDA.995R✓××mp3, m4a, wmaDApineCDA.9987R✓××mp3, m4a, wmaDApineCDE-111R✓××mp3, m4a, wmaDApineCDE-11281✓××mp3, m4a, wmaDApineCDE-120R✓×<	AAGG       AF. 4027       ×       ×       ×       ✓       mp3, wma         AAGG       CS FMP 660 BT       ✓       ×       ✓       ×       mp3, maka, wma         AApine       CDA.9812R8       ✓       ×       ×       mp3, wma         AApine       CDA.9812R8       ✓       ×       ×       mp3, wma         AApine       CDA.9812R8       ✓       ×       ×       mp3, wma         AApine       CDA.9815R8       ✓       ×       ×       mp3, wma         AApine       CDA.9815R8       ✓       ×       ×       mp3, wma         AApine       CDA.9852R8       ✓       ×       ×       mp3, wma         AApine       CDA.9852R8       ✓       ×       ×       mp3, wma         AApine       CDA.9852R8       ✓       ×       ×       mp3, wma         AApine       CDA.9853R       ✓       ×       ×       mp3, wma         AApine       CDA.9858R       ✓       ×       ×       mp3, wma         AApine       CDA.9858R       ✓       ×       ×       mp3, wma         AApine       CDA.9858R       ✓       ×       ×       mp3, m4a, wma	Generic	MP3 radio with tagging						
AAEG         CS FMP 660 BT         I         X         V         V         mp3, wma           AJapine         CDA.117R1         I         X         X         mp3, mp4, wma           AJapine         CDA.9312R8         I         X         X         mp3, wma           AJapine         CDA.9312R8         I         X         X         mp3, wma           AJapine         CDA.9313R         I         X         X         mp3, wma           AJapine         CDA.9317R         I         X         X         mp3, wma           AJapine         CDA.9357R         I         X         X         mp3, wma           AJapine         CDA.9352R8         I         X         X         mp3, wma           AJapine         CDA.9352R8         I         X         X         mp3, wma           AJapine         CDA.9357R         I         X         X         mp3, wma           AJapine         CDA.9357R         I         X         X         mp3, wma           AJapine         CDA.9857R         I         X         X         mp3, ma           AJapine         CDA.9857R         I         X         X         mp3, m4a, wma      A	AEG         CS FMP 660 BT         ✓         ×         ✓         ×         mp3, wma           Alpine         CDA.117Ri         ✓         ×         ×         mp3, wma           Alpine         CDA.9312R8         ✓         ×         ×         mp3, wma           Alpine         CDA.9312R         ✓         ×         ×         mp3, wma           Alpine         CDA.9313R         ✓         ×         ×         mp3, wma           Alpine         CDA.9317R         ✓         ×         ×         mp3, wma           Alpine         CDA.9347R         ✓         ×         ×         mp3, wma           Alpine         CDA.9352R8         ✓         ×         ×         mp3, wma           Alpine         CDA.9352R8         ✓         ×         ×         mp3, wma           Alpine         CDA.9352R8         ✓         ×         ×         mp3, wma           Alpine         CDA.9353R         ✓         ×         ×         mp3, wma           Alpine         CDA.9357R         ✓         ×         ×         mp3, ma           Alpine         CDA.9387R         ✓         ×         ×         mp3, m4a, wma           Alpine	AEG	AR 4026					mp3, wma	
Alpine         CDA.117Ri         ✓         ×         ×         mp3, m4a, wma           Alpine         CDA.9612R8         ✓         ×         ×         ×         mp3, wma           Alpine         CDA.9612R8         ✓         ×         ×         ×         mp3, wma           Alpine         CDA.9613R         ✓         ×         ×         mp3, wma           Alpine         CDA.9613R         ✓         ×         ×         mp3, wma           Alpine         CDA.9613R         ✓         ×         ×         mp3, wma           Alpine         CDA.9652RR         ✓         ×         ×         mp3, wma           Alpine         CDA.9652R8         ✓         ×         ×         mp3, wma           Alpine         CDA.9653R         ✓         ×         ×         mp3, wma           Alpine         CDA.9653R         ✓         ×         ×         mp3, wma           Alpine         CDA.9683R         ✓         ×         ×         mp3, wma           Alpine         CDA.9687R         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-111R         ✓         ×         ×         mp3, m4a, wma	Alpine         CDA-117Ri         ✓         ×         ✓         ×         mp3, m4a, wma           Alpine         CDA-9612R8         ✓         ×         ×         ×         mp3, wma           Alpine         CDA-9612R8         ✓         ×         ×         ×         mp3, wma           Alpine         CDA-9613R         ✓         ×         ×         ×         mp3, wma           Alpine         CDA-9613R         ✓         ×         ×         mp3, wma           Alpine         CDA-9615R8         ✓         ×         ×         mp3, wma           Alpine         CDA-9652-RR         ✓         ×         ×         mp3, wma           Alpine         CDA-9652-RR         ✓         ×         ×         mp3, wma           Alpine         CDA-9652-RR         ✓         ×         ×         mp3, wma           Alpine         CDA-9653R         ✓         ×         ×         mp3, wma           Alpine         CDA-9683R         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-111R         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-112Ri         ✓         × <tm< td=""><td>AEG</td><td>AR 4027</td><td></td><td></td><td></td><td></td><td>mp3, wma</td><td></td></tm<>	AEG	AR 4027					mp3, wma	
AlpineCDA-9812RB $\vee$ $\times$ $\times$ $\infty$ $mp3$ , wmaAlpineCDA-9912R1 $\vee$ $\times$ $\times$ $\infty$ $mp3$ , wmaAlpineCDA-9913R1 $\vee$ $\times$ $\times$ $mp3$ , wmaAlpineCDA-9815RB $\vee$ $\times$ $\times$ $mp3$ , wmaAlpineCDA-9857R $\vee$ $\times$ $\times$ $mp3$ , wmaAlpineCDA-9857R $\vee$ $\times$ $\times$ $mp3$ , wmaAlpineCDA-9852R8 $\vee$ $\times$ $\times$ $mp3$ , wmaAlpineCDA-9857R $\vee$ $\times$ $\times$ $mp3$ , wmaAlpineCDA-985R $\vee$ $\times$ $\times$ $mp3$ , wmaAlpineCDA-986R $\vee$ $\times$ $\times$ $mp3$ , wmaAlpineCDA-987R $\vee$ $\times$ $\times$ $mp3$ , wmaAlpineCDE-111R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-1128i $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-1148T $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-120R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , mp3AlpineCDE-130R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-130R $\checkmark$ $\checkmark$	Alpine         CDA-98122B         ✓         ×         ×         ×         mp3, wma           Alpine         CDA-9812RB         ✓         ×         ×         mp3, wma           Alpine         CDA-9813RB         ✓         ×         ×         mp3, wma           Alpine         CDA-9815RB         ✓         ×         ×         mp3, wma           Alpine         CDA-9825RB         ✓         ×         ×         mp3, wma           Alpine         CDA-9852RB         ✓         ×         ×         mp3, wma           Alpine         CDA-9852RB         ✓         ×         ×         mp3, wma           Alpine         CDA-9852RB         ✓         ×         ×         mp3, wma           Alpine         CDA-9852R         ✓         ×         ×         mp3, wma           Alpine         CDA-985R         ✓         ×         ×         mp3, wma           Alpine         CDA-986R         ×         ×         ×         mp3, mm4, wma           Alpine         CDE-111R         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-1128i         ✓         ×         mp3, m4a, wma           Alpine	AEG	CS FMP 660 BT					mp3, wma	
Alpine         CDA-9812R         V         X         X         mp3, wma           Alpine         CDA-9813R         V         X         X         mp3, wma           Alpine         CDA-9817R         V         X         X         mp3, wma           Alpine         CDA-9817R         V         X         X         mp3, wma           Alpine         CDA-9852rAR         V         X         X         mp3, wma           Alpine         CDA-9852rAR         V         X         X         mp3, wma           Alpine         CDA-9852rAR         V         X         X         mp3, wma           Alpine         CDA-9852R         V         X         X         mp3, wma           Alpine         CDA-985R         V         X         X         mp3, wma           Alpine         CDA-985R         V         X         X         mp3, wma           Alpine         CDA-988R         V         X         X         mp3, mm4, wma           Alpine         CDE-1118R         V         X         X         mp3           Alpine         CDE-11281         V         X         mp3         mp4, wma           Alpine         CDE-1	Alpine         CDA-9812RR         J         X         X         N         mp3, wma           Alpine         CDA-9815R         J         X         X         X         mp3, wma           Alpine         CDA-9815R8         J         X         X         mp3, wma           Alpine         CDA-9815R8         J         X         X         mp3, wma           Alpine         CDA-9852R8         J         X         X         mp3, wma           Alpine         CDA-9853R         J         X         X         mp3, wma           Alpine         CDA-9853R         J         X         X         mp3, wma           Alpine         CDA-9857R         J         X         X         mp3, wma           Alpine         CDA-9857R         J         X         X         mp3, wma           Alpine         CDA-9857R         J         X         X         mp3, wma           Alpine         CDA-9887R         J         X         X         mp3, wma           Alpine         CDE-1118R         J         X         X         mp3           Alpine         CDE-11281         J         X         M         mp3           Al	Alpine						mp3, m4a, wma	
Alpine         CDA-9913R         ✓         ×         ×         ×         mp3, wma           Alpine         CDA-9915RB         ✓         ×         ×         mp3, wma           Alpine         CDA-9915RB         ✓         ×         ×         mp3, wma           Alpine         CDA-9952-RR         ✓         ×         ×         mp3, wma           Alpine         CDA-9952-RR         ✓         ×         ×         mp3, wma           Alpine         CDA-9952R         ✓         ×         ×         mp3, wma           Alpine         CDA-9953R         ✓         ×         ×         mp3, wma           Alpine         CDA-9953R         ✓         ×         ×         mp3, wma           Alpine         CDA-985R         ✓         ×         ×         mp3, wma           Alpine         CDA-985R         ✓         ×         ×         mp3, wma           Alpine         CDA-988R         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-111R         ✓         ×         ×         mp3           Alpine         CDE-112Ri         ✓         ×         mp3, m4a, wma           Alpine         CDE	Alpine         CDA-9913R         ✓         ×         ×         ×         mp3, wma           Alpine         CDA-9915RB         ✓         ×         ×         mp3, wma           Alpine         CDA-9915RB         ✓         ×         ×         mp3, wma           Alpine         CDA-9952R         ✓         ×         ×         mp3, wma           Alpine         CDA-9952R         ✓         ×         ×         mp3, wma           Alpine         CDA-9952R         ✓         ×         ×         mp3, wma           Alpine         CDA-9953R         ✓         ×         ×         mp3, wma           Alpine         CDA-9953R         ✓         ×         ×         mp3, wma           Alpine         CDA-985R         ✓         ×         ×         mp3, wma           Alpine         CDA-983R         ✓         ×         ×         mp3, mm4a, wma           Alpine         CDA-9887R         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-111R         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-112Ri         ✓         ×         mp3, m4a, wma           Alpine		CDA-9812RB						
Alpine         CDA-9815R8         ✓         ×         ×         ×         mp3, wma           Alpine         CDA-9847R         ✓         ×         ×         mp3, wma           Alpine         CDA-9847R         ✓         ×         ×         mp3, wma           Alpine         CDA-9852R8         ✓         ×         ×         mp3, wma           Alpine         CDA-9852R8         ✓         ×         ×         mp3, wma           Alpine         CDA-9857R         ✓         ×         ×         mp3, wma           Alpine         CDE-111R         ✓         ×         ×         mp3, mp3, wma           Alpine         CDE-112R         ✓         ×         ×         mp3           Alpine	Alpine         CDA-98158B         ✓         ×         ×         ×         ×         mp3, wma           Alpine         CDA-9847R         ✓         ×         ×         ×         mp3, wma           Alpine         CDA-9852R8         ✓         ×         ×         mp3, wma           Alpine         CDA-9852R8         ✓         ×         ×         mp3, wma           Alpine         CDA-9852R         ✓         ×         ×         mp3, wma           Alpine         CDA-9857R         ✓         ×         ×         mp3, wma           Alpine         CDE-1118         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-120R         ✓         ×         mp3, m4a, wma <t< td=""><td></td><td>CDA-9812RR</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>		CDA-9812RR						
Alpine         CDA-9847R         ✓         ×         ×         mp3, wma           Alpine         CDA-9852-RR         ✓         ×         ×         mp3, wma           Alpine         CDA-9852-RR         ✓         ×         ×         mp3, wma           Alpine         CDA-9852-RR         ✓         ×         ×         mp3, wma           Alpine         CDA-9852R         ✓         ×         ×         mp3, wma           Alpine         CDA-9857R         ✓         ×         ×         mp3, wma           Alpine         CDA-9857R         ✓         ×         ×         mp3, wma           Alpine         CDA-9867R         ✓         ×         ×         mp3, wma           Alpine         CDA-9887R         ✓         ×         ×         mp3, wma           Alpine         CDE-1118         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-1118         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-11281         ✓         ×         mp3, m4a, wma           Alpine         CDE-120R         ✓         ×         mp3, m4a, wma           Alpine         CDE-120R <td< td=""><td>Alpine         CDA-9847R         ✓         ×         ×         mp3, wma           Alpine         CDA-9852-RR         ✓         ×         ×         mp3, wma           Alpine         CDA-9855R         ✓         ×         ×         mp3, wma           Alpine         CDA-9857R         ✓         ×         ×         mp3, wma           Alpine         CDA-9857R         ✓         ×         ×         mp3, wma           Alpine         CDA-9883R         ✓         ×         ×         mp3, mm4, wma           Alpine         CDE-1118         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-11281         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-11281         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-120R         ✓         ×         mp3, m4a, wma           Alpine         <t< td=""><td></td><td>CDA-9813R</td><td></td><td></td><td></td><td></td><td>mp3, wma</td><td></td></t<></td></td<>	Alpine         CDA-9847R         ✓         ×         ×         mp3, wma           Alpine         CDA-9852-RR         ✓         ×         ×         mp3, wma           Alpine         CDA-9855R         ✓         ×         ×         mp3, wma           Alpine         CDA-9857R         ✓         ×         ×         mp3, wma           Alpine         CDA-9857R         ✓         ×         ×         mp3, wma           Alpine         CDA-9883R         ✓         ×         ×         mp3, mm4, wma           Alpine         CDE-1118         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-11281         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-11281         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-120R         ✓         ×         mp3, m4a, wma           Alpine <t< td=""><td></td><td>CDA-9813R</td><td></td><td></td><td></td><td></td><td>mp3, wma</td><td></td></t<>		CDA-9813R					mp3, wma	
AlpineCDA-9852-RR $\prime$ $\times$ $\times$ $\infty$ $mp3$ , wmaAlpineCDA-9853R $\prime$ $\times$ $\times$ $\infty$ $mp3$ , wmaAlpineCDA-9853R $\prime$ $\times$ $\times$ $\infty$ $mp3$ , wmaAlpineCDA-9853R $\prime$ $\times$ $\times$ $mp3$ , wmaAlpineCDA-9853R $\prime$ $\times$ $\times$ $mp3$ , wmaAlpineCDA-9858 $\prime$ $\times$ $\times$ $mp3$ , wmaAlpineCDA-9858 $\prime$ $\times$ $\times$ $mp3$ , wmaAlpineCDA-9887R $\prime$ $\times$ $\times$ $mp3$ , wmaAlpineCDA-9887R $\prime$ $\times$ $\times$ $mp3$ , mf4, wmaAlpineCDE-111RM $\prime$ $\times$ $\star$ $mp3$ , mf4, wmaAlpineCDE-111RM $\prime$ $\times$ $\star$ $mp3$ , mf4, wmaAlpineCDE-112Ri $\prime$ $\star$ $\star$ $mp3$ , mf4, wmaAlpineCDE-118T $\prime$ $\star$ $\star$ $mp3$ , mf4, wmaAlpineCDE-100R $\prime$ $\star$ $\star$ $mp3$ , mf4, wmaAlpineCDE-100R $\prime$ $\star$ $\star$ $mp3$ AlpineCDE-100R $\prime$ $\star$ $\star$ $mp3$ AlpineCDE-130R $\iota$ $\star$ $\star$ </td <td>Alpine         CDA-9852-RR         ✓         ×         ×         ×         mp3, wma           Alpine         CDA-9852R8         ✓         ×         ×         ×         mp3, wma           Alpine         CDA-9852R8         ✓         ×         ×         mp3, wma           Alpine         CDA-9853R         ✓         ×         ×         mp3, wma           Alpine         CDA-9855R         ✓         ×         ×         mp3, wma           Alpine         CDA-9855R         ✓         ×         ×         mp3, wma           Alpine         CDA-9857R         ✓         ×         ×         mp3, m4a, wma           Alpine         CDA-9887R         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-111R         ✓         ×         ✓         mp3, m4a, wma           Alpine         CDE-112Ri         ✓         ×         ✓         mp3, m4a, wma           Alpine         CDE-1188T         ✓         ×         ✓         mp3, m4a, wma           Alpine         CDE-120R         ✓         ×         ✓         mp3, m4a, wma           Alpine         CDE-120R         ✓         ×         ✓         mp3</td> <td>Alpine</td> <td>CDA-9815RB</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Alpine         CDA-9852-RR         ✓         ×         ×         ×         mp3, wma           Alpine         CDA-9852R8         ✓         ×         ×         ×         mp3, wma           Alpine         CDA-9852R8         ✓         ×         ×         mp3, wma           Alpine         CDA-9853R         ✓         ×         ×         mp3, wma           Alpine         CDA-9855R         ✓         ×         ×         mp3, wma           Alpine         CDA-9855R         ✓         ×         ×         mp3, wma           Alpine         CDA-9857R         ✓         ×         ×         mp3, m4a, wma           Alpine         CDA-9887R         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-111R         ✓         ×         ✓         mp3, m4a, wma           Alpine         CDE-112Ri         ✓         ×         ✓         mp3, m4a, wma           Alpine         CDE-1188T         ✓         ×         ✓         mp3, m4a, wma           Alpine         CDE-120R         ✓         ×         ✓         mp3, m4a, wma           Alpine         CDE-120R         ✓         ×         ✓         mp3	Alpine	CDA-9815RB						
AlpineCDA-9832R8 $\vee$ $\times$ $\times$ $\infty$ $mp3$ , wmaAlpineCDA-9853R $\vee$ $\times$ $\times$ $\infty$ $mp3$ , wmaAlpineCDA-9854R $\vee$ $\times$ $\times$ $\infty$ $mp3$ , wmaAlpineCDA-9858 $\vee$ $\times$ $\times$ $mp3$ , wmaAlpineCDA-9858 $\vee$ $\times$ $\times$ $mp3$ , wmaAlpineCDA-9868 $\vee$ $\times$ $\times$ $mp3$ , wmaAlpineCDA-9887R $\vee$ $\times$ $\times$ $mp3$ , m4a, wmaAlpineCDE-111R $\vee$ $\times$ $\vee$ $\infty$ AlpineCDE-111R $\vee$ $\vee$ $\vee$ $mp3$ , m4a, wmaAlpineCDE-1128i $\vee$ $\vee$ $\times$ $mp3$ , m4a, wmaAlpineCDE-1148T $\vee$ $\vee$ $\vee$ $mp3$ , m4a, wmaAlpineCDE-120R $\vee$ $\vee$ $\vee$ $mp3$ , m4a, wmaAlpineCDE-120R $\vee$ $\vee$ $\vee$ $mp3$ AlpineCDE-130R $\vee$ $\vee$ $\vee$ $mp3$ A	Alpine       CDA-9852R8       ✓       ×       ×       mp3, wma         Alpine       CDA-9853R       ✓       ×       ×       mp3, wma         Alpine       CDA-9853R       ✓       ×       ×       mp3, wma         Alpine       CDA-9855R       ✓       ×       ×       mp3, wma         Alpine       CDA-9857R       ✓       ×       ×       mp3, wma         Alpine       CDA-9857R       ✓       ×       ×       mp3, wma         Alpine       CDA-9867R       ✓       ×       ×       mp3, m4a, wma         Alpine       CDE-111R       ✓       ×       ×       mp3, m4a, wma         Alpine       CDE-111R       ✓       ×       ×       mp3, m4a, wma         Alpine       CDE-112Ri       ✓       ×       ×       mp3, m4a, wma         Alpine       CDE-112Ri       ✓       ×       ×       mp3, m4a, wma         Alpine       CDE-112Ri       ✓       ×       ×       mp3, m4a, wma         Alpine       CDE-120R       ✓       ×       mp3, m4a, wma         Alpine       CDE-130R       ✓       ×       mp3         Alpine       CDE-130R       ✓<		CDA-9847R						
Alpine         CDA-9053R         ✓         ×         ×         mp3, wma           Alpine         CDA-9054R         ✓         ×         ×         mp3, wma           Alpine         CDA-9055R         ✓         ×         ×         mp3, wma           Alpine         CDA-9055R         ✓         ×         ×         mp3, wma           Alpine         CDA-9056         ✓         ×         ×         mp3, m4a, wma           Alpine         CDA-9083R         ✓         ×         ×         mp3, m4a, wma           Alpine         CDA-9087R         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-111R         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-111R         ✓         ×         ✓         ×         mp3, m4a, wma           Alpine         CDE-112Ri         ✓         ×         ✓         mp3, m4a, wma           Alpine         CDE-118T         ✓         ×         ✓         mp3, m4a, wma           Alpine         CDE-120R         ✓         ×         mp3, m4a, wma           Alpine         CDE-130R         ✓         ×         ×         mp3           Alpin	Alpine       CDA.9653R       ✓       ×       ×       mp3, wma         Alpine       CDA.9654R       ✓       ×       ×       mp3, wma         Alpine       CDA.9657R       ✓       ×       ×       mp3, wma         Alpine       CDA.9685R       ✓       ×       ×       mp3, wma         Alpine       CDA.9687R       ✓       ×       ×       mp3, m4a, wma         Alpine       CDA.9687R       ✓       ×       ×       mp3, m4a, wma         Alpine       CDE.111R       ✓       ×       ×       mp3, m4a, wma         Alpine       CDE.111R       ✓       ×       ✓       mp3, m4a, wma         Alpine       CDE.111R       ✓       ×       ✓       mp3, m4a, wma         Alpine       CDE.111R       ✓       ×       ✓       mp3, m4a, wma         Alpine       CDE.11181       ✓       ×       ✓       mp3, m4a, wma         Alpine       CDE.1181       ✓       ×       ✓       mp3, m4a, wma         Alpine       CDE.120R       ✓       ×       mp3, m4a, wma         Alpine       CDE.130R       ✓       ×       mp3         Alpine       CDE.130R		CDA-9852-RR					mp3, wma	
AlpineCDA-9854R $\vee$ $\vee$ $\times$ $\times$ $\infty$ mp3, wmaAlpineCDA-9855R $\vee$ $\vee$ $\times$ $\times$ $\infty$ AlpineCDA-9857R $\vee$ $\vee$ $\times$ $\times$ $\infty$ AlpineCDA-9857R $\vee$ $\vee$ $\times$ $\infty$ AlpineCDA-9837R $\vee$ $\vee$ $\times$ $\infty$ AlpineCDA-9807R $\vee$ $\vee$ $\vee$ $\infty$ AlpineCDE-111R $\vee$ $\vee$ $\vee$ $\vee$ AlpineCDE-111R $\vee$ $\vee$ $\vee$ $\vee$ AlpineCDE-112Ri $\vee$ $\vee$ $\vee$ $\infty$ AlpineCDE-1148T $\vee$ $\vee$ $\vee$ $\infty$ AlpineCDE-10R $\vee$ $\vee$ $\vee$ $\infty$ AlpineCDE-10R $\vee$ $\vee$ $\vee$ $\infty$ AlpineCDE-10R $\vee$ $\vee$ $\vee$ $\infty$ AlpineCDE-10RR $\vee$ $\vee$ $\vee$ $\infty$ AlpineCDE-130RM $\vee$ $\vee$ $\vee$ $\infty$ Alpin	Alpine       CDA-9654R       ✓       ×       ×       mp3, wma         Alpine       CDA-9655R       ✓       ×       ×       mp3, wma         Alpine       CDA-9655R       ✓       ×       ×       mp3, wma         Alpine       CDA-9655R       ✓       ×       ×       mp3, mm4, wma         Alpine       CDA-9687R       ✓       ×       ×       mp3, m44, wma         Alpine       CDA-9687R       ✓       ×       ×       mp3, m44, wma         Alpine       CDE-111R       ✓       ×       ✓       mp3         Alpine       CDE-112Ri       ✓       ×       ✓       mp3, m44, wma         Alpine       CDE-112Ri       ✓       ×       ✓       mp3, m44, wma         Alpine       CDE-112Ri       ✓       ×       ✓       mp3, m44, wma         Alpine       CDE-12Ri       ✓       ×       ✓       mp3, m44, wma         Alpine       CDE-12Rit       ✓       ×       ✓       mp3, m44, wma         Alpine       CDE-120R       ✓       ×       ✓       mp3         Alpine       CDE-130R       ✓       ×       ✓       mp3         Alpine <t< td=""><td>Alpine</td><td>CDA-9852RB</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Alpine	CDA-9852RB						
AlpineCDA-9855R $\prime$ $\times$ $\times$ $\times$ $mp3$ , wmaAlpineCDA-9856 $\checkmark$ $\checkmark$ $\sim$ $mp3$ , wmaAlpineCDA-9857R $\checkmark$ $\times$ $\times$ $mp3$ , wmaAlpineCDA-9857R $\checkmark$ $\times$ $\times$ $mp3$ , m4a, wmaAlpineCDE-111R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-111R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-112Ri $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-114BT $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-114BT $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-120R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-120R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-130R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-131R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-130R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-130R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-131R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-131R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ </td <td>Alpine         CDA-9855R         ✓         ×         ×         ×         mp3, wma           Alpine         CDA-98576         ✓         ×         ×         ×         mp3, wma           Alpine         CDA-98576         ✓         ×         ×         ×         mp3, m4a, wma           Alpine         CDA-9887R         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-111R         ✓         ×         ✓         ×         mp3, m4a, wma           Alpine         CDE-111R         ✓         ×         ✓         ×         mp3, m4a, wma           Alpine         CDE-1128i         ✓         ×         ✓         ×         mp3, m4a, wma           Alpine         CDE-1148Ti         ✓         ×         ✓         ×         mp3, m4a, wma           Alpine         CDE-120R         ✓         ×         ✓         ×         <tmp3, m4a,="" td="" wma<="">           Alpine         CDE-120R         ✓         ×         ✓         ×         mp3           Alpine         CDE-120R         ✓         ×         ×         mp3           Alpine         CDE-130R         ✓         ×         ×         mp3           Alp</tmp3,></td> <td>Alpine</td> <td>CDA-9853R</td> <td></td> <td></td> <td></td> <td></td> <td>mp3, wma</td> <td></td>	Alpine         CDA-9855R         ✓         ×         ×         ×         mp3, wma           Alpine         CDA-98576         ✓         ×         ×         ×         mp3, wma           Alpine         CDA-98576         ✓         ×         ×         ×         mp3, m4a, wma           Alpine         CDA-9887R         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-111R         ✓         ×         ✓         ×         mp3, m4a, wma           Alpine         CDE-111R         ✓         ×         ✓         ×         mp3, m4a, wma           Alpine         CDE-1128i         ✓         ×         ✓         ×         mp3, m4a, wma           Alpine         CDE-1148Ti         ✓         ×         ✓         ×         mp3, m4a, wma           Alpine         CDE-120R         ✓         ×         ✓         × <tmp3, m4a,="" td="" wma<="">           Alpine         CDE-120R         ✓         ×         ✓         ×         mp3           Alpine         CDE-120R         ✓         ×         ×         mp3           Alpine         CDE-130R         ✓         ×         ×         mp3           Alp</tmp3,>	Alpine	CDA-9853R					mp3, wma	
AlpineCDA-9856 $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , mmaAlpineCDA-9863R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDA-9867R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-111R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-111R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-111R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-112Ri $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-118T $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-118T $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-118T $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-108R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-108R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-108R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-130R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-131R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-134BT $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-134BT $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-134BT $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaA	Alpine       CDA-9856       ✓       ×       ×       mp3, mma, mma, mma, mma, mma, mma, mma, mm		CDA-9854R					mp3, wma	
AlpineCDA-9883R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDA-9887R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-111R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-111R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-111R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-112Ri $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-114BT $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-114BT $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-120R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-120R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-120R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-120R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-130R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-138T $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-138T $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-136ET $\checkmark$	Akjine         CDA-9883R         ✓         ×         ×         ×         mp3, m4a, wma           Akjine         CDA-9887R         ✓         ×         ×         mp3, m4a, wma           Akjine         CDA-9887R         ✓         ×         ×         mp3           Akjine         CDE-111R         ✓         ×         ✓         mp3           Akjine         CDE-111R         ✓         ×         ✓         mp3           Akjine         CDE-112Ri         ✓         ×         ✓         mp3, m4a, wma           Akjine         CDE-114BTi         ✓         ×         ✓         mp3, m4a, wma           Akjine         CDE-120R         ✓         ×         ✓         mp3, m4a, wma           Akjine         CDE-120R         ✓         ×         mp3, m4a, wma           Akjine         CDE-120R         ✓         ×         mp3           Akjine         CDE-120R         ✓         ×         mp3           Akjine         CDE-130R         ✓         ×         mp3           Akjine         CDE-130R         ✓         ×         mp3           Akjine         CDE-1348T         ✓         ×         mp3, m4a, wma		CDA-9855R					mp3, wma	
AlpineCDA-9887R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-111R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-111R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-1128i $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-1128i $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-1148T $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-1148T $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-120R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-120R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-120R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-130R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-131R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-138T $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-136T $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-1368T $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-1368T $\checkmark$ $\checkmark$ <	Akjine         CDA-9887R         ✓         ×         ×         ×         mp3, m4a, wma           Akjine         CDE-111R         ✓         ×         ✓         ×         mp3           Akjine         CDE-111R         ✓         ×         ✓         ×         mp3           Akjine         CDE-111R         ✓         ×         ✓         ×         mp3, m4a, wma           Akjine         CDE-112Ri         ✓         ×         ✓         ×         mp3, m4a, wma           Akjine         CDE-1148Ti         ✓         ×         ✓         ×         mp3, m4a, wma           Akjine         CDE-120R         ✓         ×         ✓         ×         mp3           Akjine         CDE-120R         ✓         ×         ✓         ×         mp3           Akjine         CDE-120R         ✓         ×         ✓         ×         mp3           Akjine         CDE-130R         ✓         ×         ✓         ×         mp3           Akjine         CDE-130R         ✓         ×         ✓         ×         mp3           Akjine         CDE-130R         ✓         ×         ✓         ×         mp3		CDA-9856						
AlpineCDE-111R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-111RM $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-112Ri $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-113BT $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-114BT $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-114BT $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-120R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-120R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-130R $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ AlpineCDE-138T $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-136T $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-136T $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a, wmaAlpineCDE-140 $\checkmark$ $\checkmark$ $\checkmark$ $mp3$ , m4a,	Akjine         CDE-111R         ✓         ×         ✓         ×         mp3           Akjine         CDE-111RM         ✓         ×         ✓         ×         mp3           Akjine         CDE-111RM         ✓         ×         ✓         ×         mp3, m4a, wma           Akjine         CDE-112Ri         ✓         ×         ✓         ×         mp3, m4a, wma           Akjine         CDE-113BT         ✓         ×         ✓         ×         mp3, m4a, wma           Akjine         CDE-120R         ✓         ×         ✓         ×         mp3           Akjine         CDE-130R         ✓         ×         ✓         ×         mp3           Akjine         CDE-130R         ✓         ×         ✓         ×         mp3           Akjine         CDE-130R         ✓         ×         ✓         ×         mp3,	Alpine	CDA-9883R						
Alpine         CDE-111RM $\checkmark$ $\checkmark$ $\checkmark$ mp3           Alpine         CDE-112Ri $\checkmark$ $\checkmark$ mp3, m4a, wma           Alpine         CDE-113BT $\checkmark$ $\checkmark$ mp3, m4a, wma           Alpine         CDE-114BTi $\checkmark$ $\checkmark$ mp3, m4a, wma           Alpine         CDE-114BTi $\checkmark$ $\checkmark$ mp3, m4a, wma           Alpine         CDE-120R $\checkmark$ $\checkmark$ mp3, m4a, wma           Alpine         CDE-120R $\checkmark$ $\checkmark$ mp3           Alpine         CDE-120R $\checkmark$ $\checkmark$ mp3           Alpine         CDE-120R $\checkmark$ $\checkmark$ mp3           Alpine         CDE-130R $\checkmark$ $\checkmark$ mp3           Alpine         CDE-134BT $\checkmark$ $\checkmark$ mp3	Akjine         CDE-111RM         ✓         ×         ✓         ×         mp3           Akjine         CDE-112Ri         ✓         ×         ✓         ×         mp3, m4a, wma           Akjine         CDE-112Ri         ✓         ×         ✓         ×         mp3, m4a, wma           Akjine         CDE-113BT         ✓         ×         ✓         ×         mp3, m4a, wma           Akjine         CDE-114BTi         ✓         ×         ✓         ×         mp3, m4a, wma           Akjine         CDE-120R         ✓         ×         ✓         ×         mp3           Akjine         CDE-120R         ✓         ×         ✓         ×         mp3           Akjine         CDE-120RR         ✓         ×         ×         mp3           Akjine         CDE-130R         ✓         ×         mp3           Akjine         CDE-131R         ✓         ×         mp3, m4a, wma           Akjine		CDA-9887R					mp3, m4a, wma	
Alpine         CDE-112Ri         J         X         J         mp3, m4a, wma           Alpine         CDE-113BT         J         X         J         mp3, m4a, wma           Alpine         CDE-114BT         J         X         J         mp3, m4a, wma           Alpine         CDE-114BT         J         X         J         mp3, m4a, wma           Alpine         CDE-120R         J         X         mp3           Alpine         CDE-120R         J         X         mp3           Alpine         CDE-120R         J         X         mp3           Alpine         CDE-130R         J         X         Mp3           Alpine         CDE-138T         J         X         Mp3, m4a, wma           Alpine         CDE-1368T         J         X         Mp3, m4a, w	Akpine         CDE-112Ri         ✓         ×         ✓         ×         mp3, m4a, wma           Akpine         CDE-113BT         ✓         ×         ✓         ×         mp3, m4a, wma           Akpine         CDE-114BT         ✓         ×         ✓         ×         mp3, m4a, wma           Akpine         CDE-120R         ✓         ×         ✓         ×         mp3           Akpine         CDE-130R         ✓         ×         ✓         ×         mp3           Akpine         CDE-130R         ✓         ×         ✓         ×         mp3           Akpine         CDE-130R         ✓         ×         ✓         ×								
Alpine         CDE-1138T $\checkmark$ $\checkmark$ $\Rightarrow$ <	Alpine         CDE-1138T         ✓         ×         ✓         ×         mp3, m4a, wma           Alpine         CDE-1148Ti         ✓         ×         ✓         ×         mp3, m4a, wma           Alpine         CDE-1148Ti         ✓         ×         ✓         ×         mp3, m4a, wma           Alpine         CDE-120R         ✓         ×         ✓         ×         mp3           Alpine         CDE-120R         ✓         ×         ✓         ×         mp3           Alpine         CDE-130R         ✓         ×         ✓         ×         mp3           Alpine         CDE-131R         ✓         ×         ✓         ×	Alpine							
Alpine         CDE-1148Ti $\checkmark$ $\checkmark$ $mp3$ , m4a, wma           Alpine         CDE-120R $\checkmark$ $\checkmark$ $mp3$ Alpine         CDE-130R $\checkmark$ $\checkmark$ $mp3$ Alpine         CDE-138T $\checkmark$ $\checkmark$ $mp3$ , m4a, wma           Alpine         CDE-1348T $\checkmark$ $\checkmark$ $mp3$ , m4a, wma           Alpine         CDE-1348T $\checkmark$ $\checkmark$ $mp3$ , m4a, wma           Alpine         CDE-1368T $\checkmark$ $\checkmark$ $mp3$ , m4a, wma           Alpine         CDE-1368T $\checkmark$ $\checkmark$ <t< td=""><td>Alpine         CDE-1148Ti         ✓         ×         ✓         ×         mp3, m4a, wma           Alpine         CDE-120R         ✓         ×         ✓         mp3           Alpine         CDE-130R         ✓         ×         ✓         mp3           Alpine         CDE-131R         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-1348T         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-1368T         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-140</td><td>Alpine</td><td></td><td></td><td></td><td></td><td></td><td>mp3, m4a, wma</td><td></td></t<>	Alpine         CDE-1148Ti         ✓         ×         ✓         ×         mp3, m4a, wma           Alpine         CDE-120R         ✓         ×         ✓         mp3           Alpine         CDE-130R         ✓         ×         ✓         mp3           Alpine         CDE-131R         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-1348T         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-1368T         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-140	Alpine						mp3, m4a, wma	
Alpine         CDE-120R         Image: CDE-120R	Alpine         CDE-120R         ✓         ×         ✓         ×         mp3           Alpine         CDE-120RM         ✓         ×         ×         mp3           Alpine         CDE-120R         ✓         ×         ×         mp3           Alpine         CDE-120R         ✓         ×         ×         mp3           Alpine         CDE-130R         ✓         ×         ✓         mp3           Alpine         CDE-138T         ✓         ×         mp3         mp4, wma           Alpine         CDE-138T         ✓         ×         ×         mp3, m44, wma           Alpine         CDE-1368T         ✓         ×         ×         mp3, m44, wma           Alpine         CDE-140         ✓         ×         ×         mp3, wma	Alpine						mp3, m4a, wma	
Alpine         CDE-120RM         J         X         J         mp3           Alpine         CDE-120RM         J         X         mp3           Alpine         CDE-130R         J         X         mp3           Alpine         CDE-134BT         J         X         mp3, m4a, wma           Alpine         CDE-136BT         J         X         mp3, m4a, wma           Alpine         CDE-140         J         X         mp3, m4a, wma	Alpine         CDE-120RM         ✓         ×         mp3           Alpine         CDE-120RR         ✓         ×         mp3           Alpine         CDE-130R         ✓         ×         ×         mp3           Alpine         CDE-130R         ✓         ×         ×         mp3           Alpine         CDE-130R         ✓         ×         ✓         ×         mp3           Alpine         CDE-130RR         ✓         ×         ×         mp3           Alpine         CDE-130RR         ✓         ×         ×         mp3           Alpine         CDE-131R         ✓         ×         ×         mp3           Alpine         CDE-138T         ✓         ×         ×         mp3           Alpine         CDE-138T         ✓         ×         ×         mp3           Alpine         CDE-138T         ✓         ×         mp3, m4a, wma           Alpine         CDE-136BT         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-140         ✓         ×         ×         mp3, wma           Alpine         CDE-140         ✓         ×         wm3, wma								
Alpine         CDE-120RR         J         X         J         mp3           Alpine         CDE-130R         J         X         J         mp3           Alpine         CDE-130R         J         X         J         mp3           Alpine         CDE-130RM         J         X         J         mp3           Alpine         CDE-130RM         J         X         J         mp3           Alpine         CDE-131R         J         X         J         mp3           Alpine         CDE-1318T         J         X         Mp3           Alpine         CDE-1348T         J         X         mp3           Alpine         CDE-1348T         J         X         mp3, m4a, wma           Alpine         CDE-1368T         J         X         mp3, m4a, wma	Alpine         CDE-120RR         V         X         mp3           Alpine         CDE-130R         V         X         mp3           Alpine         CDE-130R         V         X         mp3           Alpine         CDE-130R         V         X         mp3           Alpine         CDE-130RR         V         X         mp3           Alpine         CDE-130RR         V         X         mp3           Alpine         CDE-131R         V         X         mp3           Alpine         CDE-131R         V         X         mp3           Alpine         CDE-1318T         V         X         mp3, m4a, wma           Alpine         CDE-134BT         V         X         mp3, m4a, wma           Alpine         CDE-136BT         V         X         mp3, m4a, wma           Alpine         CDE-136BT         V         X         mp3, m4a, wma           Alpine         CDE-140         V         X         mp3, wma           Alpine         CDE-141         V         X         mp3, wma								
Alpine         CDE-130R         ✓         ×         ✓         ×         mp3           Alpine         CDE-130RM         ✓         ×         mp3           Alpine         CDE-130RN         ✓         ×         mp3           Alpine         CDE-130RR         ✓         ×         mp3           Alpine         CDE-130RR         ✓         ×         mp3           Alpine         CDE-131R         ✓         ×         mp3           Alpine         CDE-138T         ✓         ×         mp3, mda, wma           Alpine         CDE-136BT         ✓         ×         mp3, mda, wma	Alpine         CDE-130R         ✓         ×         ✓         ×         mp3           Alpine         CDE-130RM         ✓         ×         ✓         mp3           Alpine         CDE-130RR         ✓         ×         ✓         mp3           Alpine         CDE-130RR         ✓         ×         ✓         mp3           Alpine         CDE-130RR         ✓         ×         mp3           Alpine         CDE-131R         ✓         ×         ×         mp3           Alpine         CDE-138T         ✓         ×         mp3, m4a, wma           Alpine         CDE-136BT         ✓         ×         mp3, wma           Alpine         CDE-140         ✓         ×         mp3, wma	Alpine							
Alpine         CDE-130RM         V         X         mp3           Alpine         CDE-130RR         V         X         mp3           Alpine         CDE-130RR         V         X         mp3           Alpine         CDE-131R         V         X         mp3           Alpine         CDE-131R         V         X         mp3           Alpine         CDE-134BT         V         X         mp3, m4a, wma           Alpine         CDE-135BT         V         X         mp3, m4a, wma           Alpine         CDE-136BT         V         X         mp3, m4a, wma           Alpine         CDE-136BT         V         X         mp3, m4a, wma           Alpine         CDE-140         V         X         mp3, m4a, wma	Alpine         CDE-130RM         ✓         ×         ✓         ×         mp3           Alpine         CDE-130R         ✓         ×         ✓         mp3           Alpine         CDE-130R         ✓         ×         ✓         mp3           Alpine         CDE-131R         ✓         ×         ✓         mp3           Alpine         CDE-133BT         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-138T         ✓         ×         mp3, m4a, wma           Alpine         CDE-136T         ✓         ×         ✓         mp3, m4a, wma           Alpine         CDE-136T         ✓         ×         ✓         mp3, m4a, wma           Alpine         CDE-140         ✓         ×         ✓         mp3, wma           Alpine         CDE-141         ✓         ×         ×         mp3, wma								
Alpine         CDE-130RR         V         V         mp3           Alpine         CDE-131R         V         X         mp3           Alpine         CDE-131R         V         X         mp3           Alpine         CDE-1318T         V         X         mp3           Alpine         CDE-1348T         V         X         mp3, m4a, wma           Alpine         CDE-1358T         V         X         X         mp3, m4a, wma           Alpine         CDE-1358T         V         X         X         mp3, m4a, wma           Alpine         CDE-1368T         V         X         X         mp3, m4a, wma           Alpine         CDE-1406         V         X         X         mp3, m4a, wma	Alpine         CDE-130RR         ✓         ×         ✓         mp3           Alpine         CDE-131R         ✓         ×         ✓         mp3           Alpine         CDE-131R         ✓         ×         ×         mp3           Alpine         CDE-138T         ✓         ×         ×         mp3           Alpine         CDE-138T         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-136BT         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-136BT         ✓         ×         ×         mp3, m4a, wma           Alpine         CDE-140         ✓         ×         ✓         mp3, m4a, wma           Alpine         CDE-140         ✓         ×         ×         mp3, wma								
Alpine         CDE-131R         V         ×         ×         mp3           Alpine         CDE-138BT         V         ×         mp3           Alpine         CDE-134BT         V         ×         mp3           Alpine         CDE-134BT         V         ×         mp3, m4a, wma           Alpine         CDE-136BT         V         ×         mp3, m4a, wma           Alpine         CDE-136BT         V         ×         mp3, m4a, wma           Alpine         CDE-136BT         V         ×         mp3, m4a, wma	Alpine         CDE-131R         ✓         ×         ×         mp3           Alpine         CDE-138T         ✓         ×         mp3           Alpine         CDE-134T         ✓         ×         mp3           Alpine         CDE-134T         ✓         ×         ×         mp3           Alpine         CDE-136BT         ✓         ×         mp3, m4a, wma           Alpine         CDE-136BT         ✓         ×         mp3, m4a, wma           Alpine         CDE-136BT         ✓         ×         mp3, m4a, wma           Alpine         CDE-136BT         ✓         ×         mp3, mp3, mp3, mp4, wma           Alpine         CDE-140         ✓         ×         ✓         mp3, wma           Alpine         CDE-141         ✓         ×         mp3, wma	Alpine							
Alpine         CDE-1338T         Image: CDE-1338T         Image: CDE-1338T         Image: CDE-1338T         Image: CDE-1348T         Image: CDE-1348T         Image: CDE-1358T         Image: CDE-1358T         Image: CDE-1358T         Image: CDE-1368T	Alpine         CDE-1338T         Image: CDE-1348T         Image: CDE-1348T								
Alpine         CDE-134BT         J         X         J         mp3, m4a, wma           Alpine         CDE-135BT         J         X         J         mp3, m4a, wma           Alpine         CDE-136BT         J         X         J         mp3, m4a, wma           Alpine         CDE-136BT         J         X         J         mp3, m4a, wma           Alpine         CDE-136BT         J         X         J         mp3, m4a, wma	Alpine         CDE-1348T         Image: CDE-1358T         Image: CDE-1358T         Image: CDE-1358T         Image: CDE-1358T         Image: CDE-1368T         Image: CDE-1368T	Alpine							
Alpine         CDE-134BT         J         X         J         mp3, m4a, wma           Alpine         CDE-135BT         J         X         J         mp3, m4a, wma           Alpine         CDE-136BT         J         X         J         mp3, m4a, wma           Alpine         CDE-136BT         J         X         J         mp3, m4a, wma           Alpine         CDE-136BT         J         X         J         mp3, m4a, wma	Alpine         CDE-1348T         Image: CDE-1358T         Image: CDE-1358T         Image: CDE-1358T         Image: CDE-1358T         Image: CDE-1368T         Image: CDE-1368T	Alpine							
Apline CDE-1368T ✓ X ✓ X mp3, m4a, wma Apline CDE-140 ✓ X ✓ x mp3, wma	Alpine CDE-1368T ✓ X ✓ X mp3, m4a, wma Alpine CDE-140 ✓ X ✓ mp3, wma Alpine CDE-141 ✓ X ✓ x mp3, wma		CDE-134BT						
Apine CDE-140 🗸 X 🗸 mp3, wma	Alpine CDE-140	Alpine						mp3, m4a, wma	
	Alpine CDE-141 🗸 X 🗸 mp3, wma	Alpine						mp3, m4a, wma	
Alpine CDE-141 🗸 X 🗸 mp3, wma		Alpine							
		Alpine						mp3, wma	

No matter whether you're creating a playable USB stick, a CD, an SD card or a DVD, the procedure is always the same. First, select your radio model from the list. It displays devices sorted my manufacturer and model and also lists the supported media types and audio formats for each device. If your model is not listed, you can either select a "Generic" preset or create your own by clicking "<u>My radio isn't available</u>". Use the buttons to the right of the list to edit or delete one of your own presets.

# My radio isn't available



If your model is not listed among the default entries, you can create your own preset. First, enter the name of the manufacturer and model. Enable "Expert mode" to modify advanced settings such as supported file systems and folder depth.

### Create copy from



If needed, you may copy and modify one of the default presets.

#### Select media type



Use this dialog to select the media types your radio supports.

### Select formats



Select the audio formats supported by your radio here. If you enabled "Expert mode" this setting will appear at a later stage.

### Summary (not expert mode)

Summary	
Manufacturer:	Yamaha
Product name:	MX-50
CD:	Yes
DVD:	No
USB:	Yes
SD/CF:	No
Formats:	mp3, wma
Playlists:	
ou can add a little comma	and here:

Finally, you will be presented with a brief summary of your settings.

Select playlist format (expert mode)

_		
M3U		PLS
<mark>⊻</mark> m3u		pls
Maximum number of playlists:	1	Allow references to subfolders
Maximum number of entries per playlist	100	Allow playlists in subfolders
Convert unsupported formats to:	m3u	•

Select the playlist formats supported by your device here. You may also specify the maximum number of playlists and their lengths. If your device supports it, you may also enable subfolder references. Use the dropdown menu to select a format into which non-supported playlists will automatically be converted.

Basic file system settings	Extended file system settings		
	Maximum supported capacity:	3831796KE	unlimited
	Maximum number of files in root folder:	999	unlimited
Use FAT32 instead of FAT16	Maximum number of files per subfolder:	999	unlimited
Use 8.3 filenames Only allow ASCII charset in filenames	Maximum number of folders (per device):	10000	unlimited
	Maximum number of files and folders (per device):	10000	unlimited
	Maximum length of file or folder names:	32	unlimited

Then, adjust the file system settings to your needs. Consult the technical documentation for your radio for details on supported features.

Select filetag version (expert mode)

M	93 filetags				
	ID3 1.0	ID3 2.2	🗌 Su	pports co	over art
	ID3 1.1	ID3 2.3			
		🔲 ID3 2.4			
M	lax. length	of tag entri	ies in by	tes	
	WMA file	etags			
	🗌 Avai	lable			
	🗌 Supp	oorts cover	art		
	Max. ler	ngth of tag	entries	in bytes	

Depending on the selected file types, you may now specify which filetag specifications are supported by your device. File tags are used to display additional song details such as artist and genre. Enable "Supports cover art" to preserve cover images that were stored in your songs.

Summary (expert mode)

Summary	
Manufacturer:	Yamaha
Product name:	MX-58
CD:	Yes
DVD:	No
USB:	Yes
SD/CF:	No
Formats:	mp3, wav
Playlists:	m3u
ou can add a little comma	and here:

Finally, you will be presented with a brief summary of your settings.

# Select destination

Select destination E-\ - USB Device Disc status	Open Tray	
USB medium selected The selected USB device is empty.		Medium information: <b>USB</b> Description: E\ - USB Device Capacity: 3.7 GB
Profile		
	Drive types: CD, US8 stick Supported formats: mp3, wav	

Then, select the target.

## Add files



Use this dialog to add songs and, depending on your settings, folders to your compilation.

Toolbar





Moves the selected song one place up.

Add

Adds a song or song folder to your compilation.

Delete	Deletes the selected entries from your project.
Create folder	Creates a new folder. This feature is only available, when current file system settings support it and the maximum folder depth has not already been reached.
Play	Plays the selected song in the integrated audio player.
Rename	Renames the selected entry.
Create playlist	Creates a new playlist from the current compilation. Click here for details.
Edit playlist	Edits an existing playlist. Click here for details. Note that this feature currently only works with playlists that were created through "Create playlist".
Output settings	Allows you to specify the bitrate and apply automatic or custom volume normalization. Click Output settings for details.
Equalizer	Click here for details.
Down	Moves the selected song one place down.

# Create playlist

Rename playlist		<b>x</b>
New Playlist		
New Playlist.m3u		
Help	Ok	Cancel

Enter the name for the new playlist here.

# Edit playlist



Drag the songs to be included in your playlist into the list on the right. Use the buttons to move songs up/down by own place, play them or delete them from the playlist.

#### Output settings

Output Format Option	<u> </u>	>
Bitrate of converted fi	es:	320 kBit/s
Normalize the volu	ne of all tracks	
Automatic		
		Reset
72.0dB	89.0dB	92.0dB
		OK Cancel

These settings allow you to modify the bitrate (higher = better quality but higher memory consumption). You can also apply volume normalization that will equalize the volume across your songs. Automatic normalization uses the average volume from your songs but you can also define the dB threshold manually.

### Create medium

Copying	Remaining: less than a minute Minimize window
134745: Preparation started 134745: Checking destination drive 134745: Comming destination drive 134748: Copying files to destination drive 134748: E\01_chris_huelsbeck-shoot_or_mp3 134749: E\02_chris_huelsbeck-shoot_mm3 1347:50: E\03_chris_huelsbeck-thunder_p.mp3	

Finally, your songs will be copied/burned to the medium you selected.

# Movie + Slideshow

# Create Movie / Slideshow DVD



First, input a title for your project.

Selecting a format



Then, select a screen format. Most modern TVs use a 16:9 aspect ratio. Usually, you don't have to adjust the TV system settings as the program will pick a suitable setting for your region automatically.

# Adding videos

Add the movies for the video disc.	r	
On DVD (4.7 GB);	On DVD DL (8	On Mini DVD (650 MB):
Excellent	Excell	Excellent

Now, add the video clips to be included on the disc. The indicators at the button provide details on the potentially achievable quality for each disc type.

Add Movie Adds a video to the project.

**Create Movie** Allows you to create movies from videos and images. More on that here.

**Create Slideshow** Enables you to create slide shows. More on that here.

Edit	Allows you to edit the selected file.
Movie settings	Click here for details.
Remove	Removes the selected entry from the project.
Play	Plays the selected video.
Move Up	Moves the entry one row up.
Move Down	Moves the entry one row down.

# Create / Edit Movie



MovieEditor allows you to cut existing videos and add texts, images and transitions.

## Frame preview



#### Toolbar

Undo	Undoes the last operation.
Redo	Redoes the last undone operation.
Cut	Cuts the current object and copies it to the system clipboard.
Сору	Copies the current object to the system clipboard.
Paste	Pastes the currently copied object into the menu.
Duplicate	Creates a copy of the selected object.
Delete	Deletes the selected object.
Zoom all Objects	Adjusts the zoom so that all objects are visible on the screen.
Zoom In	Zooms into the design.
Zoom Out	Zooms out of the design.
Zoom selection	Zooms into the selection.
Send to front	Sends the selected object to the front.
Send to back	Sends the selected object to the back.
Rotate left	Rotates the selected object 90° left.
Rotate right	Rotates the selected object 90° right.
Mirror vertically	Mirrors the selected object vertically.
Mirror horizontally	Mirrors the selected object horizontally.

#### Working with objects



Left-click an existing to object to select it. Drag the border markers to adjust the size and the center marker to adjust the position of the object. Drag the circular marker to rotate the object. Double-click an object to edit it or use the right-click context menu.

- **New text** Creates a new text object and opens the text editor.
- **New image** Allows you to add in image object.
- New shape Opens the shape editor and enables you to create a shape object.

#### Timeline



Video editing is done in this area. Click to reposition the marker. Click an object to select it. Depending on the object type different buttons will become available.

Toolbar

Add Adds a video or image to the project.

Add blank item Adds an empty area that can be used as a background for text objects.

More on that <u>here</u>.

Edit / Start-/Endtime	Opens the object display settings or allows you to adjust the start and end times of your videos.
Cut areas	Allows you to remove individual frame ranges from a video. More on that <u>here</u> .
Split video	Enables you to split a video. More on that <u>here</u> .
Delete	Removes an object/video from the timeline.
Play	Starts video playback from the current marker position.
Transition	Sets the transition effect for video clips and images throughout the project. More on that <u>here</u> .
Music	Allows you to add audio files to use as background music in your movie. More on that <u>here</u> .

You can also right-click a video/image in the timeline to access many of the above functions through a context menu.

#### Editing objects

Objects are displayed as bars with a time value. The length of the bar correlates directly with the display duration. Drag the edges to adjust it or drag the bar to reposition it.

Right-click an existing object to delete it or to adjust its display duration.

#### Themes and music effects



Aside from "Music effect", these are all objects or object combinations that include text and image elements. Double-click an entry to add it to the timeline. Like all other objects, these objects are also freely resizable and positionable. "Music effects" are short audio clips that can be positioned by dragging their bar displays in the timeline.

#### Changing object display times

	title element	ay and effect durations for a s	ubtitle element.
Display duration			
	1s	15.0s	501.0
ade in/out dura	ation: 🛑 💭		
	Os	1s	10:

"Element duration" modifies the length of the bar display while "Fade In-/Out Duration" affects the time it takes for elements to become (in)visible.

### Edit blank item

Edit blank item Here, you can specify a	l color/gradient for the blank item.	×
	<ul> <li>Use a single color as background</li> <li>Use a gradient as background</li> </ul>	
	Select color	
Help		Cancel Ok

Empty elements are ideal to present additional information such as text in between movie scenes. Simply select a color or apply a circular gradient.

### Define start- / endtime

Define start- / endtime		×
Define start- / endtime Please select a start- and endtime. Only	the selected range will be used for creating the final mo	wie.
		3
Set starttime	<b>I</b> 4 1544 44 <b>bb</b> bb15 <b>b</b> II	Set endtime
Starttime 01:00 02:00 03:00		:00 08:00 09:00 1( <mark>En</mark>
× × ×		
Please select the starttime in the movie.		- +
	Position (h:m::	s,ms): 0 : 0 : 0 , 0 Goto
Help		Cancel Ok

Hit "Set start time" and click into the timeline to place the marker. Then, hit "Set endttime" and position the second marker. Instead of clicking, you may also use the bottom text areas to position the markers.

Cut areas

			SACHA ANDRE ENRICO NATHA WILLIA CAMPE	Peach Open gorbegeburg as goralczyk o valenza a vegdani m reynish tell barton t van Lommel	C Art Director Lend Artist Character R Character A Technicol D	ligger Inimater Hroctor		
Set starttime		<b>■</b>	4 44	••	<b>▶</b> ▶15	<b>F</b>	Remove area	Set endtime
	Starttime						08.00 Endtime <sup>09</sup>	
		w.M.		8		<u>K</u>		

Hit "Set start time" and click into the timeline to place the marker. Then, hit "Set endttime" and position the second marker. Instead of clicking, you may also use the bottom text areas to position the markers. Click "Remove area" remove the selected frame range.

Split video

		N. A.	R			
	03:00	15 <b>44</b> 04:00	<b>∢∢</b> ►► 05:00	06:00	07:00	
				<b>8</b>		
						$\overline{\bigcirc}$

Click to position the cut mark and hit "Split movie" to make the cut. You may also use the bottom text areas to position the marker.

Adjusting transitions

Transition	×
Transition Modify the transition and dura	tions for this project.
Transition Duration	
No transition	
Select random transitions	
Transition:	Preview:
Random	
Random from: Flip and Fly	
Random from: Shapes	
Random from: Circular	
Random from: Blinds and Curtains	
Random from: Fades	
Random from: Rotations	
Random from: Move	
Back flip (Down)	
Back flip (Left)	
Back flip (Right)	
Back flip (Up)	
Blocks	
Bubble	
Butterfly	
Butterflv (Reverse)	
<sub>z</sub> Help	Cancel Ok
00170-8549480	Videosize: 854x480

These settings apply to all transitions throughout the project. Transitions will be applied automatically in between video/image segments. Use the slider to adjust the duration of all transitions.

## Adding music

Music manage	r X	3
J Mu Pleas	Isic manager se add the background music files for your movie.	
Replace origina	al audio track with the following songs:	
Title	Duration File Path	
	A	
	00:00	
Help	Cancel OK	

You may add multiple songs to be used as background music.

Add	Adds a song to the playlist.
Remove	Removes the selected song from the playlist.
Move Up	Moves the selected song up by one spot in the playlist.
Move Down	Moves the selected song down by one spot in the playlist.
Randomize	Shuffles the available songs.

Movie settings

Movie s	ettings		×
Edit mo	vie settings		
Please of	lefine the name for the movie.		
Name:	Example Movie		
Men	u-Entry		
Treat	as 16:9		
Norn	nalize audio track		
Rotation	n: 0° ▼		
Place	a chapter in a fixed interval		
Inter	val: Minutes		
🔲 Use s	subtitle file		
Filen	ame:		Open
		Ok	Cancel

Use the text field to name your movie.

Menu-Entry	Enable this setting to include an entry for each added video in the disc menu to make navigation easier.
Treat as 16:9	Use this setting in case the program incorrectly recognizes your 16:9 videos as 4:3.
Normalize audio track	Enable this setting to adjust the volume levels of all audio tracks around a common level.
Rotation	Select the amount of degrees by which to rotate your video here.
Place a chapter in a fixed interval	Use this setting to split your movie into several fixed-size chapters. This setting only applies to Blu-ray projects.
Use subtitle file	You can add SRT-based subtitles to your movies. Simply click open and select the SRT file. Existing subtitle files are easily found throughout the Internet.

Create Slideshow



Once the application has opened, the project wizard will appear to help you create your slideshow.

New simple project	Guides you through the various steps to creating your slideshow with music and overlay effects. More on that here.

**New project** Creates a new empty project.

### New simple project



First, select the theme to use with your project or select "No Theme".

Select slideshow n Please select a slideshow n		
Freestyle	Adapt to music	Adapt to time
Create a slideshow freestyle.		

**Freestyle** The total length of the slideshow will not automatically adapt to song lengths or number of images.

Adapt to music The total length of the slideshow automatically adapts to the length of the added songs. Use the plus to add songs, the trash can to remove them and the arrow buttons to modify the playback sequence.

Adapt to time The total length of the slideshow automatically adapts to the number of added images. Either select a value preset or input your own time in seconds/minutes.

Settings

Settings Please adjust the slideshow settings.					
Energy Level					
Low		Normal		Hiah	
Preview	Δ				
Transitions:	F	andom	•	Customize	
Ken Burns:	F	landom	•	Customize	
Background Track				11. 11. 11. 11. 11. 11. 11.	
Title	Duration	File Path		+ 1	
				~	
				×	

Energy Level	Use this slider to set the degree of action/movement for your slideshow.
Transitions/Ken Burns	Either select a fixed transition/Ken Burns effect for all of your slides or select "random" to have multiple different effects. Use "Customize" to narrow down the selection of available effects for the random setting. Click here for details on Ken Burns effects.
Background Track	Use these buttons to add songs to your project as background music, remove individual entries or adjust the playback sequence.

Add files



This dialog allows you to add images to your project, modify the playback sequence and add invididual recordings/subtitles.



If you selected to have the length of your slideshow adapt to music or a fixed time value, the program will display an indicator next to the plus button that represents the ideal number of images you should add to your project. Naturally, you can always add more/less images and have the program adjust their display durations to fit your settings.

List view This view allows you to add images to your project, rotate them and to add subtitles and individual recordings. Note that several buttons are only available once you add and select images. Hold down Shift to select all images between the first and second clicked image or hold down Ctrl to individually select multiple images.

Toolbar

	Add Adds one or more images to the project.
	<b>Delete</b> Removes the selected images from your project.
	<b>Random</b> Randomly rearranges the available images.
	Rotate Left/Right Rotates the selected image 90° left/right.
	<b>Move Up/Down</b> Moves the selected image up/down one spot.
Details view	This view displays a magnified view of your images and provides arrows for easy navigation.
Recording	Records audio from a registered Windows recording device, e.g. a microphone. More on that here. Use the trash can button to remove an added recording.
Image subtitle	Use this text field to add a subtitle to the selected image that will latter be added as a text object to your slideshow.

### Record



Select a recording device and click "Start recording" to begin the process. Click "Stop recording" to

finish it. Use the bottom player to preview your recording. Once you click "Ok", your recording will be added to the selected image.

#### Preview

<b>Preview</b> View a preview of your slideshow.	
$\bigcirc$	
Transition effects and the Ken Burns effect will be randomly reselected	Randomize
Save this project to file	

Here, you can preview your slideshow. Use "Randomize" to restart the preview with a new KenBurns effect unless you have selected a fixed effect on the page. Enable "Save the project file for the slideshow" to save your project to a file after this step.

Create/Edit slideshow



The editor consists of three areas:

- **1. Slide editor** Here, you can edit the selected image and add objects such as text and graphic overlays.
- **2. Timeline** This is where you can adjust the order of your slides, slide transitions and any added objects.
- **3. Templates** These themes help you create an atmosphere through various styled presets

#### Edit slide


The slide editor enables you to apply image editing effects such as rotation as well as adding text, image and shape objects.

#### Toolbar

#### 🖨 🖶 X 💼 🔓 ங 🗡 🖉 🔎 🥕 🞢 🖄 O O 🖶 🕂 🌣

- **Undo** Undoes the last action. Note that this feature only applies to actions in the slide editor and will not affect timeline changes.
- **Redo** Redoes the last undone action. Note that this feature only applies to actions in the slide editor and will not affect timeline changes.
- Cut Copies the selected objects to the system clipboard and removes them from the image.
- **Copy** Copies the selected objects to the system clipboard.
- Paste Pastes the most recently copied objects at the current position.
- Duplicate Clones the selected objects.
- **Delete** Deletes the selected objects.
- **Zoom all Objects** Zooms out of the image until all objects are visible.
- **Zoom In** Zooms into the image.
- **Zoom out** Zooms out of the image.
- **Zoom selection** Zooms into the current selection.
- **Send to front** Moves the selected object to the highest position in the object hierarchy.
- **Send to back** Moves the selected object to the lowest position in the object hierarchy.
- **Rotate Left** Rotates the selected object 90° left.
- **Rotate Right** Rotates the selected object 90° right.
- Flip vertically Flips the selected object vertically.
- Flip horizontally Flips the selected object horizontally.
- **Settings** Allows you to adjust view and duration settings. Click here for details.

#### Working with objects



- **New text** Creates a new text object with individual font, size and color settings using the <u>text editor</u>.
- **New image** Inserts a local image file into your image. The added image will automatically be resized to not fill up the entire workspace. You may freely resize the object if needed.
- **New shape** Creates a shape object, e.g. a star, with custom outline, filling and transparency settings using the <u>shape editor</u>.
- **Rotate left/right** These buttons allow you to rate the current image 90° left/right.

Click an object to select it or hold down Ctrl to select multiple objects in a row. Press Ctrl + A to select all objects. You may also drag to create a selection rectangle similar to selecting multiple files on your Windows desktop. Double-click an object to edit it.



## Moving objects

Simply left-click and hold within an object and move your mouse to reposition the object.

#### Visual guides



Hold down Alt to align a selected object to another object. The object that is used for alignment will be surrounded with a red box as soon as one of the markers from the selected object touches it. The selected object will then snap to that position. Try out this feature to get a feel for it.



Hold down Ctrl to center an object horizontally/vertically. The object will snap into position as soon as one of its markers touches the dotted lines. Try out this feature to get a feel for it.

## **Resizing objects**

Drag the border markers to resize objects or the round marker near the center to rotate them.

## Rotating objects



Drag the round marker to rotate an object.



Hold down Ctrl to display visual guides that will help you rotate your object by a specific angle.



Hold down Alt to display visual guides that allow you to fine-tune your angles.

## Context menu

O Change display dur	ation
🌆 Insert	
🥕 Edit	
Olear	
💍 Rotate Left	
🔿 Rotate Right	
🐳 Flip vertical	
捿 Flip horizontal	
Cut	Ctrl+X
🧧 Сору	Ctrl+C
- Paste	Ctrl+V
Duplicate	Ctrl+D
🗙 Delete	Delete

Right-click an image or object to display the context menu. Some features are only available for objects

Change display duration	Displays the picture settings for the current image.
Insert	<b>Text</b> Creates a new text object with individual font, size and color settings using the <u>text editor</u> .
	<b>Circular Text</b> Wraps text around a circle using the text editor. Once closed, drag the round marker to adjust the angle of the text object.
	<b>Table</b> Creates a table object with the <u>table edtitor</u> .
	<b>Image</b> Inserts a local image file into your image. The added image will automatically be resized to not fill up the entire workspace. You may freely resize the object if needed.
	<b>Shape</b> Creates a shape object, e.g. a star, with custom outline, filling and transparency settings using the <u>shape editor</u> .
	<b>Create reflection</b> Creates a reflection of the selected element similar to a water reflection. The newly created object cannot be edited directly but will adopt any changes made to the source object,
Edit	Edits the selected object.
Clear	Removes all objects from the current image.
Send to front	Moves the selected object to the highest position in the object hierarchy.

Send to back	Moves the selected object to the lowest position in the object hierarchy.
Rotate Left	Rotates the selected objects 90° left.
Rotate Right	Rotates the selected objects 90° right.
Flip vertically	Flips the selected object vertically.
Flip horizontally	Flips the selected object horizontally.
Cut	Copies the selected objects to the system clipboard and removes them from the image.
Сору	Copies the selected objects to the system clipboard.
Paste	Pastes the most recently copied objects at the current position.
Duplicate	Clones the selected objects.
Delete	Deletes the selected objects.

#### Context-sensitive buttons

Save viewas theme

Depending on the position of the playback marker, different buttons will appear in the top right corner of the slide.

**Save view as theme** Stores the current objects and slide settings as a new theme. This allows you to apply custom layouts with various text, graphic and shape objects to other images at the click of a button. You will find these themes under "Your own themes" and may also delete them individually there.

Edit Opens the <u>display settings</u> for the current image.

**Change Transition** Allows you to select a different transition effect.

**Picture settings** 

**General Settings** 



Drag the border markers of the selection rectangle to crop the image. If the selected area is smaller than the image, the program will automatically zoom into it. Use the buttons on the right to rotate the image 90° left/right or to reset the selection. Use the bottom text field to adjust the display duration. "Optimize picture" to toggle automatic contrast, white balance and color optimization for the current image.

Ken-Burns Effect



The Ken-Burns effect provides virtual camera panning between a start and end area. You may either adjust these areas manually by dragging their border markers or use the various presets at the bottom. Use the play button to preview your current settings.

Swap start and end rectangles	Swaps settings between the start and end areas.
Make rectangles same size	Makes the end area the same size as the start area.
Add to templates	Saves the current settings as a new template.
Delete template	Deletes the currently selected preset. Left-click a template to select it.

Presets:

Zoom in, Zoom out, Diagonal pan (top), Diagonal pan (bottom), Vertical pan (top), Vertical pan (bottom), Horizontal pan (left), Horizontal pan (right), No effect

### Timeline

+ 🍡 🕯 🗊			• •				•	= 🖬 🎜
	00:10	00:20	00:30	00:40	00:50	01:00	01:10	
503 1 5.15 - Sample 35.05 - Bach		303 2454 3 2554 13 - Sample	4					
	·							-+.
Help							Save	Cancel

Here is where you can adjust the order of the slides, their transitions and all objects.

## **Buttons**

+ 🖪 o 👔	
Add	Adds one or more local images to the project at the current playback marker position.
Add blank item	Adds an <b>empty slide</b> to the project that may for example be used to display additional text information in between slides.
Edit	Opens the display settings for a <u>slide</u> or a transition.
Delete	Deletes the selected elements from the timeline.
Start recording	Allows <u>audio recordings</u> through Windows recording devices, e.g. voice narration.
Play	Plays back the slideshow at the current playback position.
Picture information	Displays <b>additional information</b> such as creation dates or file names in your slides.
Credits	Adds opening/closing credits to your project.
Transition	Specifies transition settings for all slides.
Music	Adds one or more songs to your project as <b><u>background music</u></b> .

Help

**Zoom out (-)** Zooms out of the timeline.

**Zoom in (+)** Zooms into the timeline.

**Help** Displays the program help.

**Save** Closes the editor and adds the slideshow to your project.

**Cancel** Closes the editor and discards any changes.

## Changing playback positions



To change the current playback position (green marker) move your mouse to the new position (red marker) and click to place the green marker. Depending on the current playback position, different buttons will become visible.

## Timeline elements



All slideshow elements are displayed as bars of varying lengths, depending on their display durations.

#### **Selecting elements**



Left-click a timeline element to select it. Hold down Ctrl to select multiple elements sequentially.

#### **Moving elements**

Hold down the left mouse button on a timeline element and drag to move it to a new position.

#### Changing element lengths / display durations



Drag the left/right edge of an element to adjust its display duration. Note that for slide and transition elements, you will have to drag their markers to adjust their display durations.

### Context menu



Right click a timeline element or an empty spot in the timeline to bring up the context menu. Some features are only available for certain timeline elements.

Add	Adds one or more	images to the project.

- Add blank item Adds an <u>empty slide</u> to the project that may for example be used to display additional text information in between slides.
- Move Moves a slide to a new position. More on that <u>here</u>.
- Edit Displays <u>slide</u> or transition settings for these elements. For <u>blank slides</u>, their <u>settings</u> will be opened instead. You may also adjust the <u>display</u> <u>duration</u> for subtitles this way.
- **Copy** Copies the current Ken-Burns settings for a slide or the transition settings for a transition.
- PasteApplies the previously copied Ken-Burns effect to a slide or replaces an<br/>existing transition with a previously copied transition effect.
- **Delete** Deletes the element from the timeline.

#### Move item

Ple	love item ease enter the target position of this item oved to that position.	. The selected it	em will be
Target positi	ion:		
Help		Cancel	Ok

Enter the new position for the selected slide and click "Ok" to apply your setting.



You can see the current index for each slide in the timeline.

### Edit subtitle element



Use the sliders to adjust the display duration for the selected slide and the duration of its fade in/out effect. The currently selected values will appear centered below each slider.

## Add multiple images

Select file order for opening In this window you can select the order of the files to be added to your slideshow.			
Sort method Alphanumeric (1, 2, 10, 11, 20, a, b,) Alphanumeric (1, 10, 11, 2, 20, a, b,) File date Creation date (Is written by most digital cameras) Randomize	Order Ascending Descending		
Preview:			
baker.jpg berlin.jpg bridge.jpg cable.winch.jpg chery_blossom.jpg Church.JPG church_tower.jpg			
		Cancel	Ok

When adding multiple images, you can specify their sort order. Simply select the desired method and order and click "Ok".

## Add blank item

Edit blank item Here, you can specify a color/gradient for the blank item.		
Use a single color as background Use a gradient as background		
Select color		
Help	Cancel	Ok

Empty slides are ideal to display additional information such as text in between slides.

- **Single color** Fills the slide with a single color.
- **Gradient** Fills the slide with a circular gradient similar to a spotlight using black as start and the selected color as end color.

Record



First, specify a name for your recording, then, select the desired recording device. Click "Start test" to check your volume level and "Start recording" to begin the recording process. The process will continue until you click the stop button or slideshow has ended.

## Show picture information

F A F	Effect settings Here, you can create subtitles from available pic position and style.	ture information v	vith custom
🗹 Show pi	cture information		
Position:			
Font:	Font: Arial, 12, Normal		
🔲 Display	/ EXIF/file date		
📃 Display	filename		
📕 Display	picture dimensions		
Help		Cancel	Ok

These settings allow you to display additional information such as filenames in your slides.

Position	You can display the information at nine different locations in your slides.
Font	Select your desired font style and color here.
Display EXIF/file date	Enable this setting to display either EXIF dates, if available, or file dates in your slides.

Display filename	Enable this setting to display filenames in your slides.
Display picture dimensions	Enable this setting to display image dimensions, e.g. 1280 x 1024, in your slides.

## **Opening/Closing credits**



First, select the type of credits you wish to create.

## Select type

Large scrolling page	Multiple fading pages
Create a large page which will be scrolled.	Create multiple pages which will fade

Then, select a presentation mode. Credits can either appear scrolling on a single page or spread across multiple page transitions.

Select background



Adjust the display settings for your credits and use the bottom preview to preview the results. If you use "Use credits as overlay", your credits will be overlaid on top of the first/last slides in your slideshow. Otherwise, your credits will appear as a separate block.

### Contents: Large scrolling page

Depending on the <u>selected type</u>, different options become available.



In this mode, credits will appear as scrolling on a single page. Use the top left controls to add text, image and shape objects and double-click an entry in the right list to insert a template object. Click

for details on how to work with objects. Use the scrollbar to simulate the scrolling effect to preview your results.

Credits are displayed as blue bars in the timeline that can be resized but not repositioned. Their length affects their playback speed. The shorter they are, the quicker their contents will be displayed. Click

to lean how to resize timeline elements. To edit existing credits, either double-click the timeline element or select "Edit" from the timeline context menu.

## Contents: Multiple fading pages

Depending on the <u>selected type</u>, different options become available.



In this mode, credits are spread across multiple pages. Use the top left controls to add text, image and shape objects and double-click an entry in the right list to insert a template object. Use "Add page" to create additional pages and click a page in the bottom to start editing that page.

Credits are displayed as blue bars in the timeline that can be resized but not repositioned. Their length affects their playback speed. The shorter they are, the quicker their contents will be displayed. Click

to lean how to resize timeline elements. To edit existing credits, either double-click the timeline element or select "Edit" from the timeline context menu.

Transition

Transition Specify the du music.		or let the program automatically adapt them to th	he length of the
Common	Transition	Duration	
Fade video in/out			
Default Ken Burns effe	ect: No default	t Ken Burns effect 🔻	
Enable background	d color		
Enable shadow			
🗸 Use a gradient	t as background		
🗍 Use a single c	olor as background	9	
🗸 Generate colo	r from images		
O Use selected o			

Fade In/Out Video	Enable this setting to fade your video in/out at the beginning/end.
Default KenBurns effect	If enabled, all slides will use a Ken-Burns effect by default. You may also use <u>individual settings</u> for each slide.
Enable background color	Here, you may select a background color or have the program generate colors based on each image that will be used for the area around a slide. These areas may become visible with some effects such as zooming out as far as possible.

Common	Transition	Duration
Random Transition	Select rand	ndom transitions
Transition:	Preview	w:
Back flip (Down) Back flip (Left) Back flip (Right) Back flip (Up) Blocks Bubble Butterfly Butterfly (Reverse) Circular (Bottom left) Circular (Bottom right) Circular (Center) Circular (Top left) Circular (Top left) Circular (Top right) Clock Clock Clock (Counterclockwise Close flap (Bottom) Close flap (Left) Close flap (Right)		

Transitions may either be randomly selected or manually specified. You may further narrow down the number of available effects for the random setting using "Select random transitions". You may still select

for each slide. Note that once you click "Ok" this setting will apply to all transitions and will overwrite any existing settings.

Transition Specify the dur music.		let the program auto	matically adapt them to t	he length of the
Common	Transition	Duration		
Transition duration: 2.	5 Seconds	0	•	5
Slide duration: 5.	) Seconds	1		20
	and transitions and transitions, ex	cept modified		

You may select the display duration for transitions and slides here. Use "Apply to" to specify whether your settings should apply to all or only to slides/transitions, that have not already been modified.

#### Music

Music manager Please add the backgrour	nd music files for yo	our slideshow.	
Title	Duration	File Path	-
Bach	07:55	D:\Downloads\Music\My Music\B	
			×
	00:00		$\sim$
			<b>&gt;</b> d
□ N			
No music during opening cred		Fade music in/out	
No music during closing credit	5	Music crossfade	
Adapt to music length			
Loops: 1			
Ratio:			
Transitions (00:00 min)		Slides (00:00 min)	

You may add multiple songs to your project as background music

Add	Adds one or more songs to your project.
Delete	Removes the selected songs from your project.
Move Up	Moves the selected song up by one in the playlist.
Move Down	Moves the selected song down by one in the playlist.
Random	Shuffles the current playlist.
No music during opening credits	Enable this setting to ensure that there will be no music during opening credits. Overlapping music elements will automatically be shifted.
No music during closing credits	Enable this setting to ensure that there will be no music during closing credits. Overlapping music elements will automatically be shifted.
Music fade in/out	If enabled, songs will be faded in/out at the beginning/end.
Music crossfade	If enabled, songs will fade into each other without gaps.
Adapt to music length	Use this setting to specify how much playback time will be used for transitions and how much will be used for slides. Use the slider to adjust your setting.

Transitions (00:05 min) - Slides (00:08 min)

This would mean that 5 seconds of the total music length would be used for each transition and 8 seconds for each slide.

## Select transition

Select transition		
Transition:	Preview:	
All Star (Growing) Star (Shrinking) Sunrise 1 (Bottom left) Sunrise 1 (Bottom right) Sunrise 1 (Bottom) Sunrise 1 (Bottom) Sunrise 1 (Left) Sunrise 1 (Top left) Sunrise 1 (Top left) Sunrise 1 (Top right) Sunrise 2 (Bottom left) Sunrise 2 (Bottom left) Sunrise 2 (Bottom) Sunrise 2 (Bottom) Sunrise 2 (Left) Sunrise 2 (Right) Sunrise 2 (Top left) Sunrise 2 (Top right) Sunrise 2 (Top right) Sunrise 2 (Top)		
Sweep (Bottom up) Sweep (Left)	- I I I I I I I I I I I I I I I I I I I	

Use this dialog to select the effect that will be used between the current and the following slide. Use the dropdown menu at the top to narrow down the list based on categories.

Themes



Slideshow Studio comes with various logos, subtitles and music effects to add more life to your slideshows. These elements behave like

and will also show up as elements in the

. Use the dropdown menu to select a categories and double-click an item to apply it to your project. Note that any existing logos/subtitles will be replaced as soon as you add a new item.

**Theme** These are logo + subtitle combinations.

**Logos** This section contains various logos.

**Subtitle** This section contains subtitles with customizable texts. Note that subtitles are a combination of images and text objects. To move a subittle, you will therefore have to select both objects to avoid them drifting apart.

**Music effect** This section offers multiple sound effects, e.g. applause.

Your own themes



Select "Your own themes" from the dropdown menu to view your customized themes. Double-click an item to add its objects to your project or use "Delete theme" to delete it.

## Recording



<u>Your recordings</u> are listed here. Double-click an item to add it to your project or use "Delete recording" to delete it.

## Settings



Safe zones	Enable this option to ensure subtitles remain within the display boundaries of most TVs.
Wrap timeline	If enabled, the timeline will be wrapped into the next line as soon as its elements exceed the available display width similar to how a text editor wraps characters at the end of a line. If disabled, all elements will be displayed in a single line with horizontal scrolling, if needed.
Text editor default font	This is the default font setting for new subtitle elements.

View Duratio	n		
Element duration:	1s	15s	60
Fade in/out duration:	·•		

Element display duration	This setting will be used for newly created elements, e.g. subtitles. The currently selected value will be displayed in the center below the sliders ("3s" in this case).
Fade in-/out duration	This is the amount of time that will be to fade elements in/out. The currently selected value will be displayed in the center below the sliders ("4s" in this case).

# Creating menus



Select a design or click "Use no menu" to avoid creating a disc menu.

## Editing the design



The disc menu allows you to quickly navigate between chapters and scenes later. The program will auto-insert video previews for the included videos.

## Toolbar

Undo	Undoes the last operation.
Redo	Redoes the last undone operation.
Cut	Cuts the current object and copies it to the system clipboard.
Сору	Copies the current object to the system clipboard.
Paste	Pastes the currently copied object into the menu.
Duplicate	Creates a copy of the selected object.
Delete	Deletes the selected object.
Zoom all Objects	Adjusts the zoom so that all objects are visible on the screen.
Zoom In	Zooms into the design.
Zoom Out	Zooms out of the design.
Zoom selection	Zooms into the selection.
Send to front	Sends the selected object to the front.
Send to back	Sends the selected object to the back.
Rotate left	Rotates the selected object 90° left.
Rotate right	Rotates the selected object 90° right.
Mirror vertically	Mirrors the selected object vertically.
Mirror horizontally	Mirrors the selected object horizontally.
Acquire image	Allows you to import an image. More on that <u>here</u> .
Preview	Displays a functional preview of the current menu page.

Working with objects



Click an existing object to select it and drag the surrounding markers to adjust its size. Drag the center marker to adjust its position. Drag the circular marker to adjust the angle. Hold down Alt or Ctrl while dragging to align an object either with existing objects or the center point of your menu.

Background	Adds a background image to the current page.
New Image	Inserts an image as object into the menu.
New Text	Allows you to add text objects using the text editor.
New Shape	Allows you to add shape objects using the shape editor.

#### **Editing properties**

Double-click an object to edit its. Click <u>here</u> to learn more about button properties. Click <u>here</u> to learn more about the properties of video preview objects. You may also use the context menu to <u>manually adjust the location of an object</u>.

## Editing pages



Each page can hold its own video previews and button controls. Make sure to include at least one navigation button on each page for easy navigation.

#### Save page as template Saves y

Saves your current design as a template. You will find your templates under "Your own themes" under the "Themes" tab.

#### **Create new Page** Creates a new menu page. More on that <u>herw</u>.

- **Rename Page** Renames the current page. More on that <u>here</u>.
- **Delete Page** Deletes the current page. The main page cannot be deleted.
- **Preview Page** Displays a functional preview of the page.

### Templates



- **Buttons** Double-click a design to create a button. By default, the button will be added in the top left corner of the current page.
- **Themes** Double-click a design to adjust the appearance of all objects on the current page. Use the top dropdown menu to switch between included themes and your own themes.
- **Movies** Double-click a movie to create a preview object. By default, the object will be added in the top left corner of the current page.
- Music Click "Play music" to preview the current background music and click "Edit

## **Editing properties**



Use the text fields to adjust the position and size of the selected object.

## Editing buttons



Use this dialog to select the action that will be triggered when you press the associated button. Buttons can be used to play all/individual movies or for navigation.

## Editing video previews



Select the video to be used by the preview.

## Editing background music

Background Music	
Define the background music	
No Background Music	
Music from a file	
File:	Clear Browse
Sound from a movie	
Movie: Der Schachspieler	▼
Music Duration:	
Short 🗣	Long
Help	Ok Cancel

You may select a background music for your slideshow here. Use the slider to adjust the music duration.

## Adding pages

Create a new page	
Please define the name and a design with layout for the new	w page.
Name:	
Design	Preview
🔳 Use no design	
Theme category	
Normal 🔻	
Black and Green         Black and White	
Help	Ok Cancel
Негр	Cancel

Input a name and select a design for your new page or select "Use no design". Make sure to add a navigation button later.

## Editing pages



Just input the new name for the page.

# Selecting a target

🧭 Burn to Dis	c	
Save to a for	lder	
Folder:	\\ASHSRVDATA01\Userdata\mve\Videos	Brows
Size to fit on:	Mini DVD (650 MB) Quality: Excellent	

You can either write your movie to disc or export it to a folder, e.g. to burn it with "<u>DVD from</u> folder" later.

# Encoding



In this step, the program will render your movie either to disc or to a folder. This procedure may take a while depending on your system specs.

# Create Movie / Slideshow Blu-ray



Input a name for your project and select an output format. The remaining steps are identical to **<u>Create Movie / Slideshow DVD</u>**.

## Selecting a format



Usually, you don't have to adjust the TV system settings as the program will pick a suitable setting for your region automatically.

# Video DVD from Folder



1. Input a title and select the folder that contains the required files for the video DVD.

The folder must have the following structure:

Folders:

\BDMV \BDMV\AUXDATA \BDMV\BACKUP \BDMV\BACKUP\BDJO \BDMV\BACKUP\CLIPINF \BDMV\BACKUP\JAR \BDMV\BACKUP\PLAYLIST \BDMV\BDJO \BDMV\CLIPINF \BDMV\JAR \BDMV\JAR \BDMV\PLAYLIST \BDMV\PLAYLIST \BDMV\STREAM \CERTIFICATE \CERTIFICATE

Files:

\BDMV\index.bdmv \BDMV\MovieObject.bdmv

The light gray directories can also be created by the program itself.

2. Select your disc recorder and burning settings.

3. Start burning.

# Video Blu-ray from Folder

itle: My Movies		
lder.		
Please select the folder that contains the Blu-ray Video files. The folder must ontain the files and folders which are usually created by Blu-ray authoring oftware.		1
		-
	Browse	

- 1. Input a title and select the folder that holds the files required to create a Blu-ray video disc.
  - 2. Select your disc recorder and burning settings.
  - 3. Start burning.

# Video CD (VCD)



Enter a title and select the videos to be included on your disc.

Add	Allows you to add video files.
Remove	Removes the selected videos from the project.
Move Up	Moves the selected video one up.
Move Down	Moves the selected video one down.
Play	Plays the selected video in the Windows default video player.

Then, select your disc recorder and burning settings and start burning.

# Super Video CD (SVCD)


Enter a title and select the videos to be included on your disc.

Add	Allows you to add video files.
Remove	Removes the selected videos from the project.
Move Up	Moves the selected video one up.
Move Down	Moves the selected video one down.
Play	Plays the selected video in the Windows default video player.

Then, select your disc recorder and burning settings and start burning.

# Covers + Inlays



First, select the cover types and formats you wish to use. You may also <u>specify your own paper</u> <u>format</u> or edit an existing entry using the pencil icon. "<u>Acquire image</u>" allows you to select a background image for your cover. Either click the plus icon or drag the image into the designated area to the right of the list of available formats. To adjust the <u>disc diameter</u>, use the disc icon below the pencil icon for the "Disc" section.

## Edit paper formats

Available paper formats [DVD Case]		
<letter (slim)="" sheet=""></letter>	Name	Paper size
	A4 Sheet (Slim)>	21.0 cm x 29.7 cm
	🔒 <a4 (standard)="" sheet=""></a4>	21.0 cm x 29.7 cm
	💡 <letter (slim)="" sheet=""></letter>	21.5 cm x 27.9 cm
	☐ <letter (standard)="" sheet=""></letter>	21.5 cm x 27.9 cm
	🔒 DVD Case Insert - 3 DVD	21.0 cm x 29.7 cm
	🔒 DVD Case Insert - 3 DVD (Letter)	21.0 cm x 29.7 cm
	🔒 DVD Case Insert - 4 DVD	21.0 cm x 29.7 cm
	🔒 DVD Case Insert - 4 DVD (Letter)	21.0 cm x 29.7 cm
	🔒 DVD Case Insert - 6 DVD	21.0 cm x 29.7 cm
	🔒 DVD Case Insert - 6 DVD (Letter)	21.0 cm x 29.7 cm
	🔒 DVD Case Insert - 8 DVD	21.0 cm x 29.7 cm
	🔒 DVD Case Insert - 8 DVD (Letter)	21.0 cm x 29.7 cm
	🔒 🔒 J8437 DVD Case Insert - Slim x1	21.0 cm x 29.7 cm
	🔒 J8437 DVD Case Insert - Standard x1	21.0 cm x 29.7 cm
Format is write protected	Сору	New Edit Remove
Help		Ok Cancel

You may adjust an existing format or create your own in case the ones included do not match your printer or your format is not listed. The included formats are write-protected but you may use "Copy" to create an editable copy from an existing format.

**Copy** Creates a new format based on an existing format. More on that <u>here</u>.

**New** Creates a new format. More on that <u>here</u>.

Edit Edits the selected format. More on that <u>here</u>.

**Remove** Deletes the selected format.

### Copy / New / Edit

Preview for sheet #1	Please select the pape	er format or choose 'custor	m'.		
	Name:				
	Paper format:	A4 sheet, 210 x 29	7 mm (21	0mm x 297mm	1) 🔻
	Width:	21.00 cm			
	Height:	29.70 cm			
	Media Type:	Sheet of paper	•		
	Orientation:	🖉 Portrait 🔎 Landscape			
	Number of pages: §	🛿 1 Page 🔍 2 Pages			
Help				Next >>	Cancel

First, input a name for the new format and specify its measurement. Select "Custom" to manually specify a width and height. Then, select the media type and specify the number of pages and orientation. You will then need to specify the number of entries for each printed page.

#### Defining items

Paper Format Editor	×
Preview for sheet #1	Please define the items on sheet #1
Help	<< Back Next >> Cancel

Select type and quantity and click "Next" to proceed.

## Defining measures

Paper Format Editor				<b></b>
Preview for sheet #1	Define the measures for DVE Distance from top: Distance from left: Width:	) Case #1 on sł \$.00 0.00 27.30	cm cm cm cm	
	Height: Width (Fold): Background Overlap:	18.30 1.60 0.00	cm cm cm Distanc	e from top
Help	Hint: The distance from the top e	dge of the shee << Bac	et to the beginn	ing of the item

Paper Format Editor					×
Preview for sheet #1	Define the measures for Outer Diameter: Inner Diameter: Distance from top: Distance from left: Background Overlap: Hint: The outer diameter is th the	11.70 4.10 0.00 0.00 0.00	cm cm cm cm cm	ter Diameter	edges of
Help		<< Ba	ck N	ext >>	Cancel

Depending on your selected type, you will either see the first or the second dialog. Click the text fields to update the preview accordingly. The hint at the bottom provides additional infos.

#### Summary

Paper Format Editor Preview for format	The following informat	ion was entered:	×
	Paperformat: Media type: Orientation: Number of Sheets: <u>Sheet #1</u> DVD Case	A4 sheet, 210 x 297 mm Sheet of paper Portrait 1 From left: 1.0 cm From top: 1.0 cm Size: 10.3 cm x 5.3 cm Width fold: 0.6 cm	
Help		< Back Finish	Cancel

Finally, you will see a summary of your inputs. Click "Finish" to apply your settings.

# **Change Disc Radius**

Change Disc Radio	IS	í á			×
You can change t	he inner or outer d	ameter for y	our disc.		
Name:	von <a4 papier=""></a4>				
Inner Diameter:	4.10 c	m			1
Outer Diameter:	11.70 c	m			
Preview					
			$\bigcirc$		
			$\bigcirc$		
Help				Ok	Cancel

Use this dialog to adjust the size of the printable area on your disc.

## Editing titles

Title	:	J Hitch Hiker:	Mystery Trance Vol. 6 CD 1		
Sub		ise: 🛛 Musie 🔹	Data Backup Video		
Г					New Row
1	Z	Title: Performer: Duration (Minutes):	Mystery Trance Intro Vol. 6 Elements Of Trance 1:25		Edit Remove
2	Z	Title: Performer: Duration (Minutes):	Inside My Soul (Hitch Hiker vs. Abel & Kain Mix) DJ Hitch Hiker Feat. Abel And Kain		Remove all
3	Z	Title: Performer: Duration (Minutes):	Saltwater (Tomski vs. Disco Citizen Remix) Chicane 4:43	E	Move Up Move Down
4	Ċ	Title: Performer: Duration (Minutes):	On The Beach (Hiker & Dumondt RMK) York 4:40		Search Cover
5	Ċ	Title: Performer: Duration (Minutes):	The Meltdown Lunatic Asylum 3:51		
6	Ċ	Title: Performer: Duration (Minutes):	7Th Phase Hitch Hiker And Dumont 3:08		
7	Ċ	Title: Performer: Duration (Minutes):	Sirius Subte By Demand 5:22		
8	E	Title: Performer: Duration (Minutes):	Dark Effect Sued-Zucker 3:14		
9	Ċ	Title: Performer: Duration (Minutes):	Waiting For You (Full Mix) Indoctrinate 4:45		
	mport				

Either input the song titles manually or use "Import" to load the data from an existing disc.

**New Row** Creates a new entry.

Edit Edits the selected entry.

Remove	Removes the selected entry.
Remove all	Removes all entries.
Move Up	Moves the selected entry up one row.
Move Down	Moves the selected entry down one row.
Search Cover	Downloads suitable covers for your songs from the Internet.
Import	Loads song information from an existing source such as an audio disc, a playlist in ".M3U" format or a text file.

## Edit entry



Use this dialog to edit the details of a song title. Use "Clear thumbnail" to remove an existing cover and "

" to select a new cover image. Use " $\leftarrow$  Previous" and "Next  $\rightarrow$  " to navigate between multiple selected songs.

# Creating a design



The program will automatically create a mosaic view from all your existing cover images.

Toolbar

New project	Discards the current design and starts over.
Open project	Loads an existing project.
Save project	Saves the current project.
Undo	Undoes the last operation.
Redo	Redoes the last undone operation.
Cut	Cuts the current object and copies it to the system clipboard.
Сору	Copies the current object to the system clipboard.
Paste	Pastes the currently copied object into the menu.
Duplicate	Creates a copy of the selected object.
Delete	Deletes the selected object.
Zoom all Objects	Adjusts the zoom so that all objects are visible on the screen.
Zoom In	Zooms into the design.
Zoom Out	Zooms out of the design.
Zoom selection	Zooms into the selection.

Send to front	Sends the selected object to the front.
Send to back	Sends the selected object to the back.
Rotate left	Rotates the selected object 90° left.
Rotate right	Rotates the selected object 90° right.
Mirror vertically	Mirrors the selected object vertically.
Mirror horizontally	Mirrors the selected object horizontally.

#### Working with objects



Click an existing object to select it and drag the surrounding markers to adjust its size. Drag the center marker to adjust its position. Drag the circular marker to adjust the angle. Hold down Alt or Ctrl while dragging to align an object either with existing objects or the center point of your menu.

New Table	Creates a table object. Double-click the object to open the table editor.
New Graphic	Allows you to insert an image or shape object. More on shapes <u>here</u> .
	Create a text object using the <b>text editor</b> . Adjust the size of the object to modify the angle for circular texts.
•	Adds a background image based on a local file, cover search or the mosaic feature.

#### Themes



Themes help you quickly adjust your design through a simple double click. All data from the is retained.

## Templates



This view holds your saved designs which work the same way as templates. Right-click an existing template to display the context menu.



Change Template	Applies the selected template to the current project.
Create a new Template	Allows you to create a new template. More on that here.
Edit Template	Edits the selected template. More on that <u>here</u> .
Delete Template	Deletes the selected template.

## Objects



This view helps you keep track of and select existing objects quickly. Simply click an entry to select

the associated object,

#### Mosaic cover



The mosaic itself is created automatically from all available cover images. Use the slider to adjust the brightness and click "Randomize mosaic" to create a different mosaic.

## Creating / Editing templates



Use Template Editor to modify existing templates or create new ones. The procedure is identical to **<u>creating cover designs</u>**.

## Printing covers

You can print each sheet with the print button above it and choose if you want to	print it colored and/or with	cutmarks.	Print		With Cutmarks Printer adjustment
<ul> <li>No. Title <ol> <li>Mysary Trance Intro</li> <li>Inside My Soul (Hitch Hiter vs. Abel &amp; Kaini</li> <li>Saltwater (Tomski vs. Disco Cittere Remix)</li> <li>On The Bach (Hiter Durmonti RMX)</li> <li>The Methdown</li> <li>This Methdown</li> <li>This ase</li> <li>Dark Effect</li> <li>Walting For You (Full Studie)</li> <li>Wolsome to the Fulur (X-Tended)</li> <li>Welsome Tome Mit Studie)</li> <li>Welsome Tome Mit Mindgames (Method)</li> <li>Mindgames (Method)</li> <li>Remay Fauther (Cyber Remix)</li> <li>Automatic (Hitcher Hi &amp; Durnondt Remix)</li> </ol></li></ul>	Chicane & York Lunatic Asylum Hitch Hiker And Dumont Subite By Demand Sudet Zy Demand Sudet Zy Demand Sudet Zy Demand Sudet Zy Demand D Merlyn e Nova Sanity Fragma Nostrum Nostrum Nog And Y.O.M.C. Abel And Kain		J Hitch Hiker: Mystery Trance Vol. 6 CD 1.	J Hitch Hiker: Mystery Trance Vol. 6 CD 1	

This view shows all the sheets you created. Click "Print" above each sheet to print that sheet. Enable "With Cutmarks" to include marks that will make it easier to cut out your designs later using scissors.

## After printing



Click "Save as template" to save your design and later.

# Copy Disc

- 1. Select the drive that holds the disc to be copied.
- 2. The program will begin reading the disc.
- 3. Select a disc recorder and settings.
- 4. Start burning. The status will be presented visually.

**Note**: The program supports "on the fly" copies. In this case, data won't be buffered on your hard disk but immediately written to the target disc. Note that your source drive has to be fast enough to provide a constant data stream, otherwise, the process may fail and render the target disc unreadable.

## **Reading status**



The program will now read the disc and provide visual feedback.

# **Disc Image**

## Burn Image

Select the disc image you would like to burn. The following file formats are supported: ISO, CUE/BIN and ASHDISC. Disc image path: Browse...

- 1. <u>Select the image file to be burned</u>.
- 2. Select a disc recorder and settings.
- 3. Start burning.

## Create Image

- 1. Select the drive that contains the disc.
- 2. Select the output location and format.



3. The program will now create the image file and give visual feedback.

## Write status



The status of the image creation is presented visually.

# Browse Image



First, select the image you would like to browse.

### Selecting files

Open 🔁 Extract						
► KNOPPIX_BOOT ►						
► KNOPPIX_BOOT ►       ► KNOPPIX_BOOT       ► Toot       ► Toot       ► Toot	Name	17.06.2001 10:50 23.02.2003 04:23	Type Dateiordner Dateiordner Windows-Batchd Stetup-Informatio Verknöpfung mit VICO-Datei	. 45 Bytes		
						K

Use the tree view to select entire folder structures and the center pane to select individual files. Use the arrow button at the bottom right to show/hide the preview pane.

**Open** Allows you to open a different image file.

**Extract** Extracts the selected files/folders to a selectable target location.

# Backups

## **Backup Files**



First, select files and folders to backup. To select a file/folder, click the checkbox in front of it. Select a folder in the tree view, to select all subfolders and folders.

#### Edit Exclusion Rules...

it these rules to change which file types will be excluded automatically.	
xclusion Rules	A New
Excludes the file hibernate.sys in all root directories. Excludes the file pagefile.sys in all root directories. Excludes the burning engine log. Excludes the files and folders that are in a System Volume Information folder. Excludes all files that are in folders for temporary files (C:\Users\). Excludes folder 'C:\Windows\' (files and subfolders). Excludes folder 'C:\Windows\System32\' (files and subfolders).	Default Rule Edit Remove
Excludes folder 'AppData\Local\Microsoft\Windows\Burn\Burn' of each user's profile Excludes folder 'C:\ProgramData\' (files and subfolders). Excludes folder 'AppData\Local' of each user's profile folder. Also applies to its files an Excludes folder 'AppData\Roaming\Microsoft\Windows\Network Shortcuts' of each u Excludes the files that are in the profile folder of each user.	Close
Excludes folder 'AppData\Local\Microsoft\Windows\Temporary Internet Files' of each Excludes folder 'AppData\Local\Microsoft\Windows\History' of each user's profile fol Excludes folder 'AppData\Roaming\Microsoft\Windows\Cookies' of each user's profile	

Exclusion rules allow you to prevent files of specific file types from being backed up. The default rules cannot be edited and should not be deleted.

Allows you to exclude a file type, e.gTXT, from all backups. You may either select the type to exclude from a list or enter its extension into a text field manually.
Restores the default rules.
Allows you to edit a rule.
Deletes a rule.
Closes the dialog.

The next step is to specify the **<u>output location and further settings</u>** for your backup(s).

### Selecting backup settings



You can either backup your files to disc or to hard disk, flash drive or another external device. You may also protect your backup with a password and compress it to save space. If required, you may even split up your backup into several smaller files of equal size. Ashampoo Burning Studio 21 can also remind you to regularly back up your files. Note that, for the reminder to work, the program has to be running.

## Manage Backups

Select the backup that you would like to restore. If the backup i	s on a CD/DVD/BD or on another rem	ovable device please	insert it now. It will show up in the list automatically.	
Backup Project				
Mein Backup - 21.11.2018 12:46	Name	Backup Date	Backup Location	
Mein Backup - 19.11.2018 12:29	- Available Backups for restoring			
Well buckup 15.11.2010 12.25	Backup 21.11.2018 12:50	21.11.2018 12:50	C:\Users\mve\Desktop\Backup 21.11.2018 12-50.ashbak	
	Backup 21.11.2018 12:47	21.11.2018 12:47		
	Selected backup to be restore			
	selected backub to be restore			Create this backup again
				Restore backup
Add backup file manually				Restore backup

Available backup plans are listed on the left with their associated back ups in the center, when selected. Use "Add backup file manually" to add backups from another source. Note that manually added backups will always be listed under "Unknown projects". Use "Create this backup again" to use the existing settings to back up the affected files again. Click "Restore backup" to restore all or individual files from the selected backup.

### **Restore files**



Select files/folders to restore. Use the tree view to select entire folder structures and the center pane to select individual files.

#### Settings



Your files can either be restored to their original or a custom location. Furthermore, you can specify how the program will handle existing files that match the backup in file names.

# **Backup External Devices**

The program comes with presets for common device categories (USB stick, USB disc recorders, cell phones). The procedure is always the same.



First, select whether you wish to create a new backup disc or update an existing one.

#### Create a new backup



The program will scan your system for suitable data sources and will display them in the left tree view. Select a device or subfolder to backup there. Then, select the file types you wish to backup.

#### Scanning files



The program will now scan for suitable files and have you in the next step. The files will then be burned to disc.

#### Update an existing backup

First, insert the disc that contains the previous backup. The remaining steps are identical to those for <u>creating a new backup</u>.

# **Advanced Functions**

Create a modified copy



- 1. Select the drive that contains the disc to be modified.
- 2. <u>Select files and folders to be added</u>.
- 3. Start burning.

## Create a Data Disc using advanced settings

File systems to include-				
ISO 9660 - Level 1 Filenames can only be up to 8 characters long. The extension can be 3 characters.Longer filenames will be shortened.				
Joliet:				
No Joliet Joliet is disabled. It can only be enabled if ISO 9660 is enabled.				
No UDF 🖉 UDF is disabled.				
No UDF UDF is disabled.				
The maximum allowed file size on disc is 4 GB.				
Bootable CD/DVD/Blu-ray Disc options:				
Make CD/DVD/Blu-ray Disc bootable				
Boot-Image Path:				
Boot-Image Type:				
ooot mage type				
No Emulation Boot-Image				
No Emulation Boot-Image				

Advanced users may use this feature to adjust file system settings or create a bootable disc. Note that the Ashampoo Burning Studio 21 does not provide a boot image itself.

- 1. Select your desired file and boot settings.
- 2. Add files and folders.
- 3. Start burning. The current status will be presented visually.

#### ISO 9660

Format	Capabilities
ISO 9660 - Level 1	File and folder names with up to 8 characters, no special characters except underscore, 8 folder levels max
ISO 9660 - Level 2	File and folder names with up to 31 characters, various special characters, 8 folder levels max
ISO 9660 - Windows (Romeo)	File and folder names with up to 128 characters, various special characters, unlimited number of folder levels

#### Joliet

Joliet supports file names with up to 64 characters with support for various special characters, there's no limit on the number of folder levels.

#### UDF

Universal Disc Format (UDF) was developed for high-capacity media such as DVD and Blu-ray. There's no restrictions on file name lengths and folder levels.

UDF Format	Use Case
UDF 1.02	All DVD players
UDF 1.50	Rewritable CDs / DVDs
UDF 2.50	Rewritable Blue-ray discs
UDF 2.60	Standard Blue-ray discs

#### Bootable CD/DVD/Blu-ray discs

Note that you require a boot image that contains all files and folders required for booting such as images of already bootable CDs.

#### Additional information

By default, Burning Studio will use the most compatible mode.

Data projects: CD: ISO9660 Level 1 and Joliet

DVD & Blu-Ray: ISO9660 Level 1, Joliet and UDF 1.02 For files > 4GB (4294967296 Bytes) only UDF 1.02

Video DVD: ISO9660 Level 1, Joliet and UDF 1.02

Video Blu-ray: UDF 2.50

Autostart discs: UDF1.02

## Erase rewritable Disc

- Select the disc recorder that holds to the disc to be erased. Select "Quick Erase" to erase the table of contents only. The disc will still be fully writable then but previous files may be retrievable through special recovery tools. This may pose a problem should the disc contain sensitive information and should fall into the wrong hands.
- 2. Start the erasing procedure. The current status will be presented visually.

Status



The status will be presented visually.

## **Finalize Disc**

Some older drives cannot read non-finalized discs. Use this feature to finalize unfinalized discs.

- 1. <u>Select your disc recorder and begin the process</u>.
- 2. The status will be shown visually.

## Analyze Medium

This function displays various details on the inserted disc, e.g. number of blocks.

# Statistics

Information on the number of burned disc and created tracks is available here.

# Settings



#### Switch Main Menu

Toggles between carousel and menu-based navigation.

#### **General Options**

#### Language

Allows you to select a different user interface language. You will need to restart the application for the changes to take effect.

#### Help

Shows the program help.

#### About

Displays program details such as the version number and date.

# **General Options**

General Options			
Caching and autosave Folder for temporary files - (868.045 GB free): C:\Users\mve\AppData\Local\Temp\	Browse	Default Folder	
Default folder for project files: C:\Users\mve\Desktop\	Browse	Default Folder	
Enable autosave	browse	Default Folder	
Burn options Enable extended drive enumeration Check file access rights before burning. Eject Disc after burning. Automatically close tray before verifying.			
Compatibility Enable old file selection dialog Disable new DVD menu creation behavior. Show notification when a new skin is available Enable Hardware Acceleration for video encoding Show notification after burning with automatic shut down			
Confirm Dialogs Reset will re-enable all confirm dialogs	Reset		

### Caching and autosave

Select a folder for all temporary files and specify a directory that will be used for automatic saves.

## **Burn options**

Enable extended drive enumeration	Enable this setting in case the program doesn't detect your disc recorder.
Check file access rights before burning	Enable this setting to have the program check it has access to all files before burning them to avoid errors.
Eject Disc after burning	If enabled, the drive will open automatically once burning is complete.
Automatically close tray before	If enabled. the drive will close automatically before

disc verification commences. Enable this setting if you enabled the one above it and you want your discs to be verified once they are burned.

#### Compatibility

Enable old file selection dialog	Enable this option in case the program often hangs or freezes when you try to select files. This will force the program to use the classic Windows file chooser instead of Burning Studio's proprietary one.
Disable new DVD menu creation behavior	If enabled, DVD/Blu-ray players will not return to the disc menu once a clip has finished playing but play the next clip instead.
Show notification when a new skin is available	Enable this setting to get notified whenever new program skins become available.
Enable Hardware Acceleration for video encoding	If enabled, the program will use the GPU to speed up video encoding.
Show notification after burning with automatic shut down	Displays a notification message before the computer is shut down after the burning process is complete.

#### **Confirm Dialogs**

Click "Reset" to display all program notifications again.

## Change Skin



Skins let you change the visual appearance of Burning Studio.

Create	Allows you to create a new skin. First, input a title and select a background image and position. Use the bottom slider to adjust the color of the program header.
Delete	Deletes the selected skin.
Import	Imports an existing Burning Studio skin from a file.
Export	Exports the selected skin to a file.

**Download** Allows you to download additional program skins.

# Service

Software Deals	Opens a page with current Ashampoo bargains in your browser.
More Downloads	Opens a page with Ashampoo product download links in your browser.
License status	Verifies the status of your program license and allows you to active the program or obtain additional discounted licenses.
Check for updates	Checks whether a newer program version is available.
Contact support	Displays a contact form that allows you to contact our customer service.

Troubleshooting	Displays a list of solutions for common program-related issues.
Service settings	Allows you to configure service notification settings.