Ulead® DVD MovieFactory™ 2

User Guide

Ulead Systems, Inc.

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Aylo Exhibit 1011

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First English edition for Ulead DVD MovieFactory 2.0.

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Sample files

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* The availability of this program will depend on the DVD MovieFactory version you have.

Welcome to Ulead DVD MovieFactory 2

Ulead DVD MovieFactory provides you with the answer to your video disc authoring needs. No matter if the disc is a DVD, VCD or SVCD, DVD MovieFactory takes you there instantly with a user-friendly wizard-type process and specific task-oriented features. With DVD MovieFactory, creating professional-looking video discs has never been easier!

While all crucial information on how to use DVD MovieFactory is included in this document and the online Help, you can further receive the latest program updates, tutorials, technology advance (such as the newest hardware compatibility list), and technical support by visiting your local Ulead Web site.

Getting around Ulead DVD MovieFactory 2

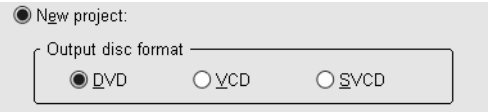
Once you open the program, the first screen you will see is this:

Note: The availability of the tasks on the left panel will depend on the DVD MovieFactory version you have.

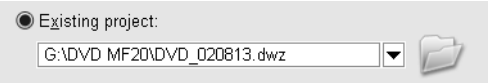
Which task should you choose?

Now you have an overall picture of how Ulead MovieFactory looks like. The next thing to do is choose the right task that fits your need:

- **Start Project - New project**: Choose this task if you are creating a new DVD MovieFactory project. Please select an output disc format, and then click **Next** to add media clips. (See **page 8** for details.)

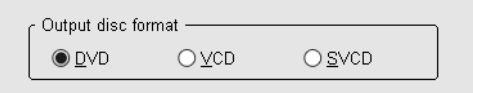


- **Start Project - Existing project**: Choose this task if you already have a previous created DVD MovieFactory project saved on a hard drive or disc. Please use the drop-down list or the browse button to locate a project file (*.dwz), and then click **Next** to start editing. (See **page 8** for details.)

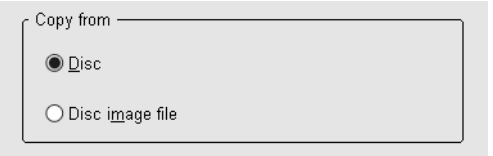


- **Edit Disc**: Choose this task if you would like to edit your DVD+R/RW, DVD-R/RW, or an existing DVD MovieFactory project directly on a recordable disc. Please select the disc location on your computer, and then click **Next** to start editing. (See **page 18** for details.)

- **Direct to Disc**: Choose this task if you want to capture videos straight from your video device and burn a disc immediately. Please select an output disc format, and then click **Next** to capture videos, setup menus, and finally burn the disc. (See **page 19** for details.)



- **Copy Disc**: Choose **Copy from - Disc** if you want to make a disc-to-disc (VCD or SVCD) copy or burn a disc from a DVD folder located in the hard drive or a disc. You can also choose **Copy from - Disc image file** to copy a disc image file and burn onto a disc. Click **Next** to go to the output step directly. (See **page 19** for details.)



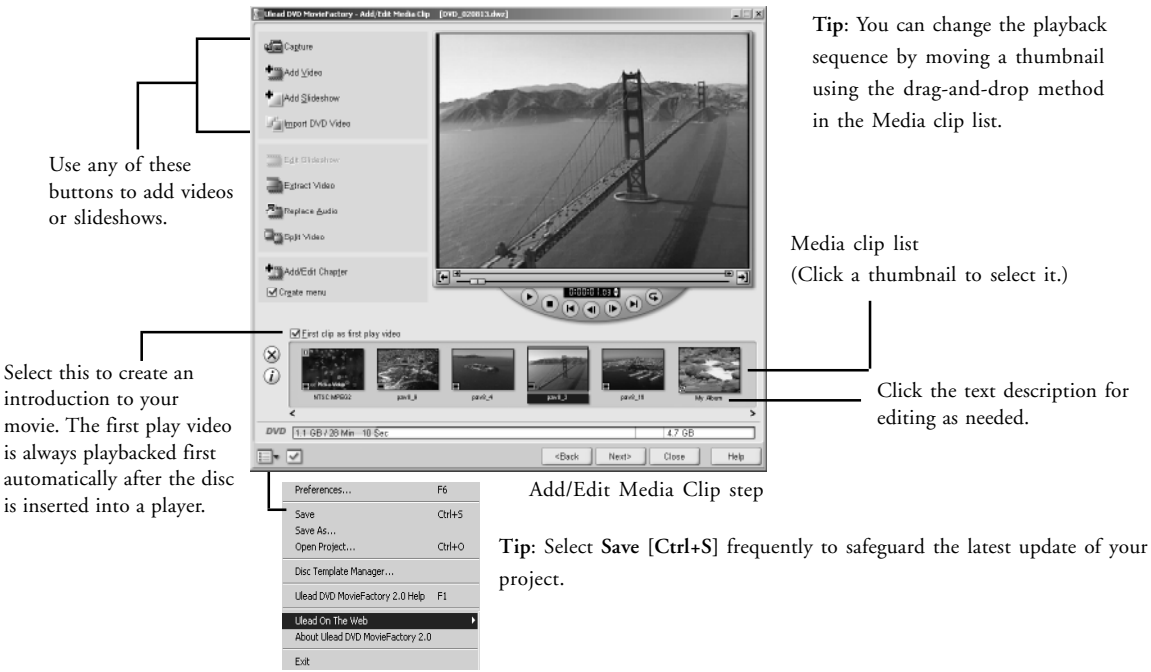
Working on a project

Ulead DVD MovieFactory is a project-based program. Each project (*.dwz) file saves the latest information on your video and menu editing as well as the settings you have made for that project. So, you can always stop or resume your task at your convenience.

Note: You can only work on one project at a time in Ulead DVD MovieFactory.

Add videos or slideshows

Now, you have opened a project. The next thing is to insert media clips into it. These media clips can be videos and/or slideshows. For example, using a compatible video capture card you can capture videos from a video device such as a DV camcorder. You can also add videos from a disc/ hard drive, or create slideshows using a series of still images. Once these clips are inserted, you can make further editing and set up selection menus later.



Tip: Select **Save** [**Ctrl+S**] frequently to safeguard the latest update of your project.

Capturing videos:

1 Click **Capture**. The **Capture Video** dialog box opens.
2 Use the navigation controls to locate the starting point of the video you want to capture.
3 Click **Capture Video**.
4 Press [**Esc**] to stop. Repeat steps 2 to 4 as needed to capture more videos.
5 Click **OK**.

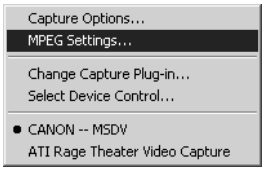
Capture video

Notes:

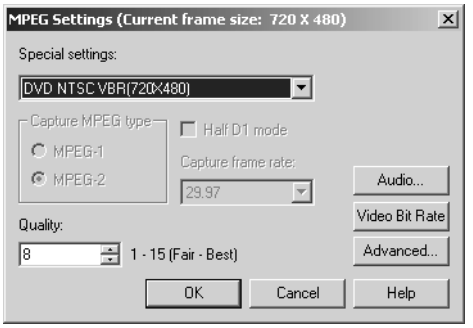
- All captured videos are stored in the default capture folder. To change the folder, click the browse button.
- The **Capture Video** dialog box is strictly for video capturing. Playing a captured video clip is only possible in the Media clip list of the main window.

Capture settings

Ulead DVD MovieFactory automatically detects and determines capture settings for you. However, if you need to customize the settings, click Capture Settings. Here, you will see the menu as depicted below. The menu shows available options, capture plug-ins, and currently selected input video device. Mostly, you will want to select **MPEG Settings** for customization.



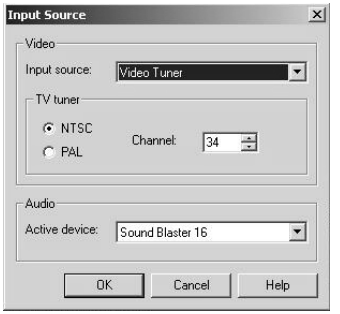
Menu shown after clicking **Capture Settings**



In the **MPEG Settings** dialog box, you can choose from a number of presets or define your preferred settings from **Special Settings**. Also, click **Video Bit Rate** if you want to set a particular variable bit rate. (See online Help for details.)

Tip: If you experienced dropped frames in your captured video, adjust the Quality level in the MPEG Settings dialog box to a lower value or turn on the DMA setting of your hard drive.

If you have a TV tuner card installed on your computer, you can use this by selecting **Capture Settings: Input Source**. In the Input Source dialog box, select the channel you want to view then click OK.



Input source

Tips:

- If you are having problems viewing in the Preview window, select Force to use preview mode in Capture Options.
- If the captured video appears to be "shaking", experiment with the different Output frame type options in the Advanced Settings dialog box. You can access this dialog box through the MPEG Settings dialog box.

Adding videos:

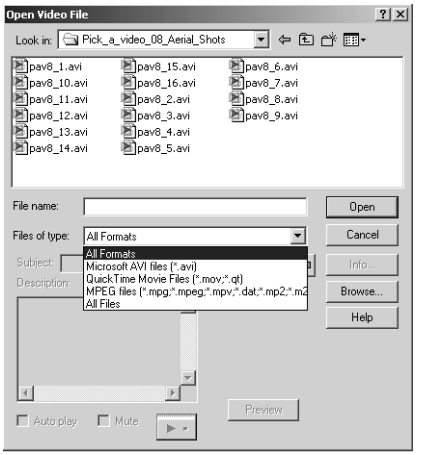
1 Click **Add Video**.

2 Locate the folder where the videos are, and then select one or more video clips you want to add.

3 Click **Open**.

Note: You can add video formats such as AVI, QuickTime, and MPEG files. You can also add VCD video (DAT) files.

Tip: After a video clip is added to the Media clip list, sometimes you may see a black thumbnail. This is because the first scene (frame) of this video clip is a black screen. To change it, double-click to select this video clip and move the Jog Bar to the scene you want. Next, right-click the thumbnail and select Change Thumbnail.



Open video file

Adding a slideshow:

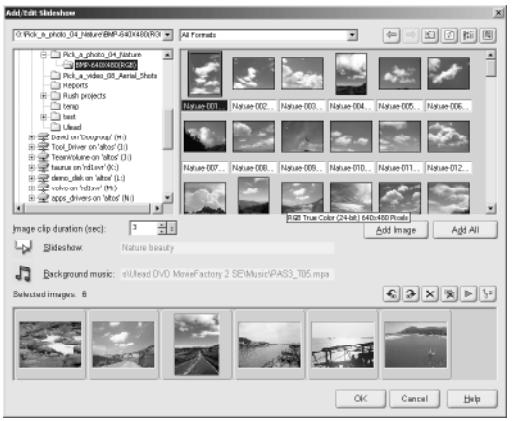
1 Click **Add Slideshow**.

2 Locate the folder where the still images are and select one or more images. (Use [**Ctrl**] or [**Shift**] to select multiple images)

3 Click **Add Image**. Repeat steps 2 and 3 as needed.

4 Click or if you want to add a text description or background music to the slideshow.

5 After all images are inserted, click **OK**.



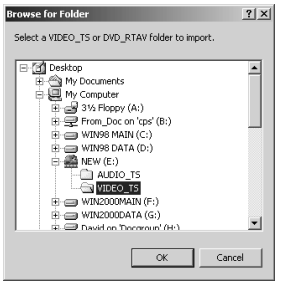
Create a slideshow

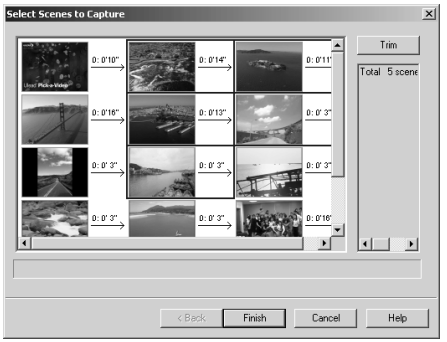
Importing DVD videos:

1 Click **Import DVD Video**.

2 Locate the folder where the videos are. (For example, locate the VIDEO_TS folder for the DVD+R/RW or DVD-R/RW format; the DVD_RTAV folder for the DVD-RAM format.)

3 Click to select the video clip you want to import, and then click **Finish**. (Use [**Ctrl**] or [**Shift**] to select multiple videos) Depending on the video time length, wait a while until the capture process completes.





Note: Sometimes you might see some white video thumbnails in the **Select Scenes to Capture** dialog box. This is normal because the first frame for this type of video thumbnails is white or black.

Trim a video

You can trim a video using the **Jog Bar**, mark-in/out, and navigation controls. (See the illustration below.) Trimming a video gives you the freedom to precisely edit the video length.

Before trimming

Trimming a video:

1 Double-click a video thumbnail to select it for trimming.
2 Use the navigation controls or drag the **Jog Bar** to move to the starting point of your desired trimmed video. When you're there, click **Set mark-in**. Alternatively, simply drag **mark-in** to the starting point.
3 Similarly, determine the ending point by using **Jog Bar** and **Set mark-in/mark-out**.
4 Now, the trimmed video is ready. (You can preview the trimmed video by pressing [**Shift**] and clicking **Play**.

After trimming

Another way to trim your videos is to use the **Extract Video** feature. To learn about this feature, see the section Extract video below.

Edit video or slideshow

If you have Ulead VideoStudio 6 installed on your computer, you can edit your video in the Media clip list using VideoStudio 6 by clicking Edit Video . If you want to edit a slideshow, select the slideshow thumbnail then click Edit Slideshow .

Note: The availability of Edit Video will depend on the DVD MovieFactory version you have.

Extract video

Trim your video by drawing out specific portions of your clip. This feature allows you to select and extract multiple portions from your clip and then modify your clip according to the portions you have extracted.

Extracting videos:

1 Click the video in the Media clip list to select it then click Extract Video . The Extract Video dialog box opens.
2 To select a portion to retain, use the Jog Bar to go that section of the video then use the In and Out buttons

(or Mark-in [F3] and Mark-out [F4] buttons on the Trim Bar). Click **In** when you find the start of the portion you want then click **Out** when you reach the end of the portion you want extracted.

3 Repeat step 2 as often as necessary to extract more portions from your clip.

4 Your extracted videos will appear on the Media clip list. Preview the clips you have extracted by pressing [**Shift**] and clicking the play button. Click OK.

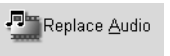
5 The dialog box closes and you return to the Add/Edit Media Clip step.

Extract Video

In the Add/Edit Media Clip step, you can see the portions you have extracted by looking at the Trim Bar of the Preview window. The red segments on the Trim Bar are the portions that you have extracted. Preview the clips you have extracted by pressing [**Shift**] and clicking the play button. If you need to change the portions that you have extracted from your clip, click Extract Video again.

Note: The availability of Extract Video will depend on the DVD MovieFactory version you have.

Replace audio

Insert or replace the background music of your video by using this feature. Click 

to open the Replace Audio dialog box where you can specify an audio track you want to use with your video.

Notes:

- After adding or replacing the background music, you can still remove or use the original music of your video file again by clearing the **Replace audio with selected file** option in the dialog box.
- The availability of Replace Audio will depend on the DVD MovieFactory version you have.

Split a video

You can add more video thumbnails by breaking an existing video thumbnail into several ones. Simply double-click to select a video thumbnail in the Media clip list, and then drag the **Jog Bar** (as depicted on **page 11**) to move to the scene you want as the separating point. Next, click

. You can keep moving the **Jog Bar** and add as many video thumbnails as you like. Note that the original video thumbnail is still retained while new ones are added accordingly based on the number of newly added videos.

Add/Edit chapters

This feature is only available when the **Create menus** option is selected. By doing so, you can create submenus linked to their associated video clip at the **Setup Menu** step later.

Represented as a video thumbnail in a submenu, each chapter is like a bookmark for a video clip. Viewers can easily select a chapter then the video clip will immediately jump to the first scene of that chapter and start the playback. This feature is particularly useful when you want to attract your viewers by giving them the freedom to choose a particular part of the movie to watch. Note that these small video thumbnails only link to its "mother" video without generating any additional physical video files. So, you don't need to worry about the possibility of unexpected file size increase.

Notes:

- You can create up to 99 chapters for a video clip.
- If the **Create menu** option is not selected, you will be guided to the **Preview** step immediately without creating any menus after clicking **Next**.

Creating or editing chapters linked to a video clip:

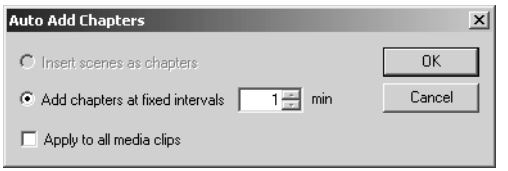
1 Select a video in the Media clip list.

2 Click **Add/Edit Chapter**.

3 Click **Auto** to let Ulead MovieFactory help you select chapters (such as at fixed intervals), or drag the **Jog Bar** to move to a scene as the first frame of a chapter, and then click **Add**.

Tips:

- If you want to use **Auto**, your video must be at least one minute long or the video has scene change information.
- If you click **Auto** and your video is a DV-formatted AVI file captured from a DV camcorder, DVD MovieFactory can automatically detect scene changes and add chapters accordingly.
- If the selected video is an MPEG-2 file with scene change information, DVD MovieFactory automatically generates these chapters for you when you click **Auto**.



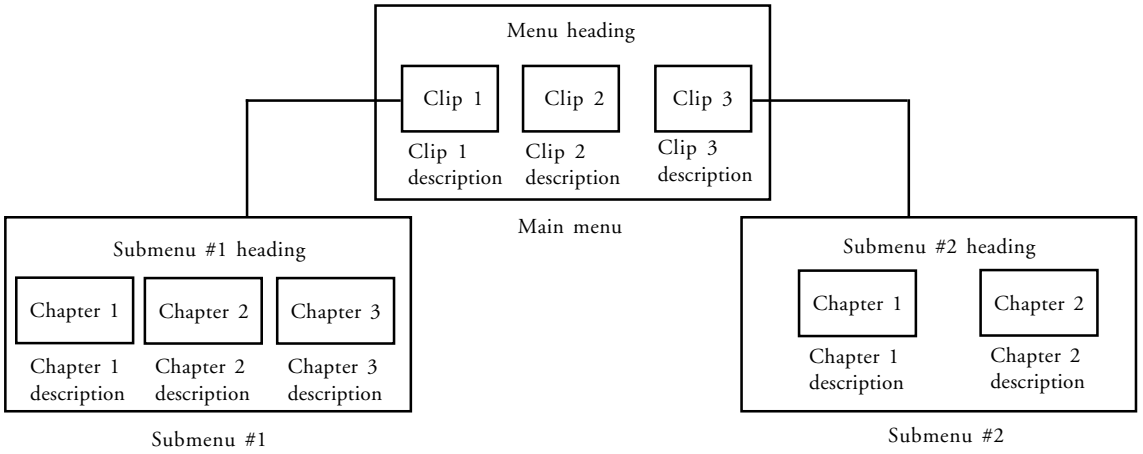
4 Repeat Step 3 as needed. You can also use **Remove** or **Remove All** to delete unwanted chapters.

5 Click **OK**.

Setup menus

At this step, you can create the main menu and submenus. They provide a list of interactive thumbnail-styled options displayed on a screen for your movie viewer to choose from. Ulead DVD MovieFactory offers a set of menu templates to best fit the purpose of each menu. Custom-made menus are also available at your fingertips.

To help you better understand the DVD/SVCD/VCD menu structure, see the illustration below.



In this example, Clip 1 has three chapters so when you click the Clip 1 video thumbnail, it will jump to submenu #1. If you look at Clip 2, it has no chapters assigned to it therefore there is no submenu for Clip 2.

Editing menus:

1 By default, DVD MovieFactory automatically makes all required menus for you. Use **Current displayed menu** to switch to the menu you want to edit.

2 Click "My Title" to customize the menu heading. You can also click the text description under each video thumbnail for customization.

Note: If you skip Step 2, "My Title" and the thumbnail name will be used as the menu heading and the text description respectively. If you don't want to show the menu heading or the text description, simply delete it.

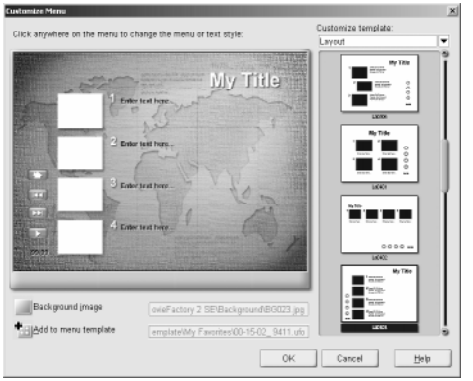
3 To change the image shown on each video thumbnail, click it then drag the **Jog Bar** to change.

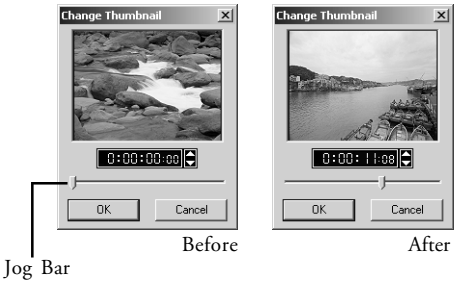
4 To change a menu layout, use the **Menu template** list and select another preset.

5 You can also click Background image to use your own background image, or click Background music to use your background music.

6 To further customize and create your own menu template in the **My Favorites** folder, click Customize .

7 When you're done, click **Next** to preview the movie.





Preview your movie

Now, it's time to see how your movie looks like before you burn it onto a disc. Simply move the mouse and click **Play** to watch your movie and test the menu selection on your computer. Use the navigation controls here as you would on a standard remote control of a home DVD player.

Tip: As you move between controls, a ToolTip pops up and tells you its specific function.

Output your movie

This is the final step before your video disc or output file is ready. Here, you can choose the disc burner, as well as select the folder where you want to output video files or a disc image file.

Tip: Before actual disc burning starts, make sure the disc in the correct format has already inserted into the disc burner.

Outputting your movie:

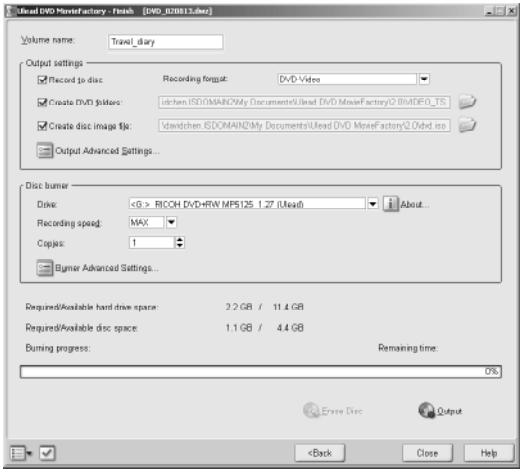
1 Enter a volume name (up to 32 characters) for the output disc.

2 In **Output settings**, select one or more tasks you want to do. For example, select the recording format that best suits your need. (See the notes below). You can also click **Output Advanced Settings** if you want to add additional components such as a video disc player or your personal data.

3 Select a disc burner and make settings (such as the recording speed) compatible with your output disc format.

4 Click **Output**.

5 The burning progress bar shows you the burning status. Once it is done, click **Close**.



Note: The availability of **Include DVD player** in the Output Advanced Settings dialog box will depend on the DVD MovieFactory version you have.

Notes on how to choose an appropriate recording format:

- DVD MovieFactory provides an option, **DVD-Video (fast editable)**, that allows you to still use the industrial standard DVD-Video format, however, it will only burn the necessary files you need so you can edit your video content (e.g. menus) in the future. This option saves time in copying files and hard drive space when you edit the contents of your disc again but may result in your disc not being compatible with some DVD players.
- If DVD-Video (fast editable) is selected, options in the **Output Advanced Settings dialog box** such as Include personal folder to disc and Archive images of slideshows will not be available.
- If DVD-Video (fast editable) is selected, keep in mind that there is a 30MB file size limitation for menus, background audio and project file combined. Audio files have larger file sizes and therefore it takes up the bulk of this file size limitation. Reduce the file size of your audio (e.g. shorter length) if you plan to have a lot of menus.
- If you choose **DVD-Video**, you will be using the industrial standard DVD-Video format for maximum compatibility. However, you cannot enjoy the advantages brought by the **DVD-Video (fast editable)** option.

Edit disc

With Ulead DVD MovieFactory, you can modify existing videos and menus in a DVD+R/RW, DVD-R/RW, or miniDVD disc using a compatible disc burner.

Editing a disc:

1 Insert the disc you want to edit, and then click **Edit Disc**. Select **Show disc details** if you want to check the disc technical information. (If you change the disc later, you must select this option again to refresh the latest disc information.)

2 Click **Next**. The copying video process starts. You will then be guided to the **Add/Edit Media Clip** step.

3 Add, modify or remove videos as needed, and then click **Next**.

4 Similarly, you can add, modify or remove menus as needed, and then click **Next**.

5 Preview the movie as needed, and then click **Next**.

6 In **Output settings**, select **Record to disc** and click **Output**.

Notes:

- DVD MovieFactory lets you do direct and fast on-disc editing without the need to copy files to the hard drive first, as long as the disc was previous burned using the **DVD-Video (fast editable)** option.
- You can edit menus only when they are previously created using Ulead DVD MovieFactory.
- Editing slideshows is not available when editing a disc.

Direct to disc

Ulead DVD MovieFactory provides you with a fast way to capture videos directly from a video device (such as DV camcorder or VCR) through an analog or IEEE-1394 (FireWire) capture card, and then burn a video disc straightaway.

When this task is selected, DVD MovieFactory will initially check both your burner and disc to ensure that there are no problems with your output device and media. After the program does this, you can go to the Capture step then instantly preview your video and burn to disc anytime you wish to do so.

Directing to a disc:

1 Insert a disc where you want to burn the video onto and then click **Direct to Disc**.

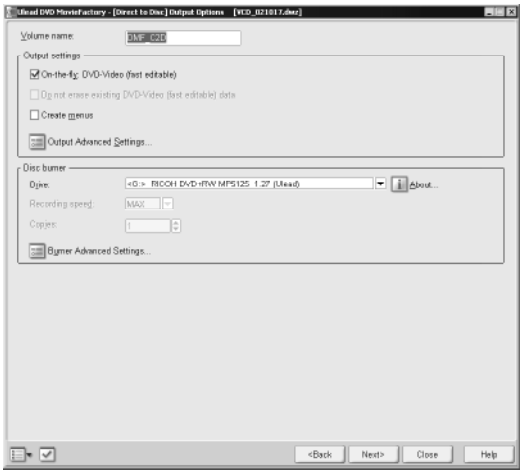
2 Select the output disc format you want then click **Next**. You will then be guided to the **Output Options** step.

Note: If you only have a CD burner, you should select either VCD or SVCD as your output disc format.

3 Depending on the type of media you have in your burner (e.g. DVD+R/RW), you will have different options available in the Output Options step. Determine the options you want then click **Next**.

Notes:

- The **On-the-fly** option (if available) allows you to directly record your video to your disc without creating any data on your hard drive.
- Select **Do not erase existing DVD-Video (fast editable) data** if you do not want to overwrite existing data on the disc.
- Select **Create menus** to create a selection menu for the video that you will capture onto the disc.
- If you have a +RW media in your burner, there are options in the Burner Advanced Settings dialog box that you can use such as **Format DVD+RW** (recommended when using the DVD+RW disc for the first time) and **Quick eject** (speeds up finalization process but may create compatibility problems with some DVD players).



4 Now you are in the **Capture** step. Turn on your video device and use the navigation controls to locate the starting point of the video to capture. Once you're done, click **Capture & Burn**.

Tips:

- If you are having problems using Direct to Disc, you may need to reconfigure some of the program settings. Click Capture Settings to adjust the settings.
- If the video you captured doesn't have audio, the reason may be that the recording input device has not been properly set up. You can check this in **Control Panel: Sounds and Multimedia - Audio tab**. In the Sound Recording section, click **Volume** then in the **Recording Control** dialog box, drag the volume slider of the appropriate device (usually Line-in) to increase the recording volume.

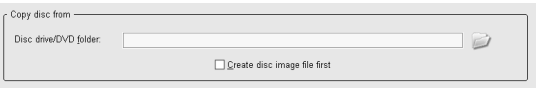
Copy disc

Here, you can duplicate a disc (DVD, VCD or SVCD), create a disc from your hard drive containing a DVD root folder (including the standard DVD+R/RW or DVD-R/RW's VIDEO_TS and AUDIO_TS subfolders), or simply make a disc from an existing disc image file (*.iso or *.ixa).

Copying a disc:

1 Insert a disc where you want to duplicate the video onto and then click **Copy Disc**. Now, select **Copy from: Disc** and click **Next**.

2 Enter the volume name for the disc and choose a disc drive or folder containing the DVD root folder.



3 Setup the disc burner, and then click **Output**.

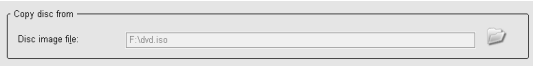
4 Click **Yes** to erase the existing data (if any) on your disc. The disc burning process will then start automatically.

Tip: Select **Create disc image file first** to create the disc image file first on your hard drive before burning the disc. This will reduce the risk of copying errors when duplicating discs.

Copying a disc from a disc image file:

1 Insert a disc where you want to burn the disc image file onto and then click **Copy Disc**. Now, select **Copy from: Disc image file** and click **Next**.

2 Enter the volume name for the disc and locate the folder containing the disc image file.



3 Set up the disc burner, and then click **Output**.

4 Click **Yes** to erase the existing data (if any) on your disc. The disc burning process will then start automatically.

Welcome To Ulead Photo Express*

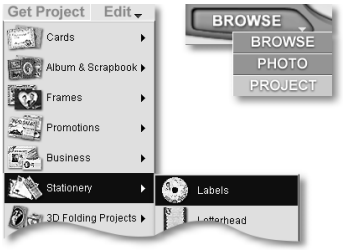
Ulead Photo Express brings you easy-to-use photo editing tools and a wide variety of photo sharing options, including e-mail, printing and online sharing. With its visual file browser, you can view and organize photos fast, and even play back multimedia files. A creative tool kit is also provided for you to design and print labels and covers for your VCD/DVD/SVCD discs.

The procedure below shows you an example of how to create CD labels.

Step 1 Choose a Template

Ulead Photo Express comes with ready-made CD labels. All you need to do is choose a preset template and insert the photo you want to use on the CD label.

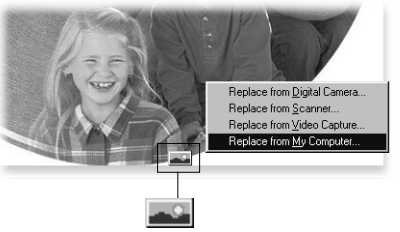
1. In **Project Mod**e, select **Get Project: Stationery - Labels**. Then, double-click the **CD Labels** folder.
2. Choose a template by double-clicking on it. In this example, we'll choose the Birthday Template.



Step 2 Insert your Photo

Since a CD label is circular in shape, the positioning of the people/objects from your photo that you wish to use should suit this shape.

3. Click the small photo symbol, then select **Replace from My Computer** to replace the placeholder image with a photo from your hard drive.
4. Locate your photo and drag it into the placeholder's position. Then adjust its position and resize it (if necessary).



* The availability of this program will depend on the DVD MovieFactory version you have.

Step 3 Add Text

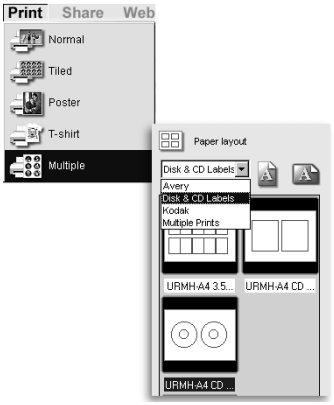
Give a title for your CD and apply special effects to the text.

5. Click on the placeholder text, and click on the blue box with the red letter 'A'. Then change the text, and choose a font type, style, and color.
6. One fun effect that works well with the curved shape of CDs is **Text Wrap**. Under the **Edit** menu, choose **Text: Reshape**. Select **Wrap** from the drop-down list and double-click a wrap effect to apply it to your text.

Step 4 Save and Print

It's now time to save your work and print the CD label.

7. Save the CD label (in TPX format) so that you can edit it in the future.
8. To print, select **Print: Multiple**. Then select **Disk and CD Labels** (or other brands of printing paper) under **Paper layout**.
9. Select **URMH-A4 CD**. Drag inward on the black box surrounding your label to fit the template size and center it.
10. Continue to click **Next**. Specify the number of copies to print and click **Print**.



Glossary

Chapter
A chapter is a link to a video file in a DVD. Viewers select a chapter to see a particular portion of a video clip. A video clip can contain up to 99 chapters.

Chapter selection menu
In Ulead DVD MovieFactory, we use the word "submenu" to help you distinguish it from the main menu. The main menu contains a number of submenus, depending on how you design them.

DVD
Its full name is "Digital Versatile Disc" or "Digital Video Disc." This is an optical disc that can store data, music, or movie with a better quality than VCD and SVCD.

DVD+R/RW
A DVD storage format used to record DVD once (DVD+R) or multiple times (DVD+RW). This format is promoted by the DVD+RW Alliance (http://www.dvdrw.com/).

DVD-R/RW
A DVD storage format used to record DVD once only (DVD-R), or about 1,000 times of rewrites (DVD-RW). This format is promoted by the DVD Forum (http://www.dvdforum.com/).

DVD-RAM
A DVD storage format used to record DVD. It can be rewritable for about 100,000 times. This format is also promoted by the DVD Forum (http://www.dvdforum.com/).

DVD-Video
A video format used in DVD. It uses MPEG-2 file format for videos and holds about 120-minute videos on a single-sided, 4.7-GB DVD disc.

DVD-Video (fast editable)
Uses the standard DVD-Video format but gives you better flexibility when editing the contents of your disc again. Using this format may cause your disc to be incompatible with some DVD players.

First play video
A video serves as an introduction to the movie on a video disc. This video can automatically play as soon as the disc is inserted into a compatible disc player.

Main menu
The highest level of menus in a video disc. You can access it by pressing the "Menu," "Title menu," or "Top menu" button on the remote control of your home DVD player or computer DVD player.

Menu
Includes the main menu, submenus, video thumbnails, and navigation controls for viewers to choose from. A menu can also contain menu headings, text descriptions, and feature introductions. Thus, viewers can have a better idea of what the disc content (movie) is about.

miniDVD
Sometimes called cDVD, miniDVD is basically DVD video on a CD-R/RW disc instead of a DVD disc. Using the miniDVD format will hold approximately 15 minutes of video on a 650MB CD-R/RW. Most DVD players don't support miniDVD but it can be played on a computer with a DVD-ROM and DVD software player.

SVCD
Its full name is "Super Video Compact Disc." While the available recording time is generally less than a VCD, SVCD's video and audio qualities are basically between a VCD and a DVD. You can use CD-R/RW to record this type of video.

VCD
Its full name is "Video Compact Disc." It is a video disc holding about 74-minute long MPEG-1 video, which is equivalent to the VHS quality. You can use CD-R/RW to record this type of video.