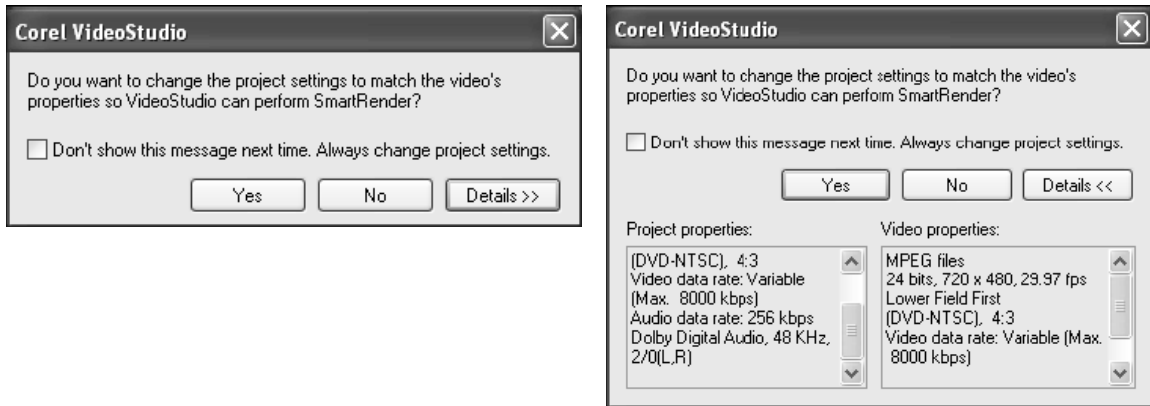


## Starting a new movie project

When you run VideoStudio, it automatically opens a new project and lets you start composing your movie production. A new project always uses VideoStudio's default settings. To check what these settings are, click **File: Project Properties**.

Project settings determine how your movie project is rendered when you preview it. **Rendering** is the process by which VideoStudio converts raw video, titles, sounds, and effects into a continuous stream of data which can be played back in your computer. You can modify the project settings in the **Project Properties** dialog box.

When you capture or insert your first video clip into the project, VideoStudio automatically checks the properties of the clip and your project. If properties such as file format, frame size, etc. are not identical, VideoStudio automatically adjusts the project settings to match the clip's properties. Changing the project settings to conform with clip properties allows VideoStudio to perform the **SmartRender** function.



**Tip:** The above message box lets you change the project properties to be the same as the first video clip inserted into the Timeline. To toggle between displaying and not displaying the message box, select or clear **Show message when inserting first video clip into the Timeline** in the **Preferences** dialog box.

## Setting your preferences

Customize the program's working environment through the **Preferences** dialog box. You can specify a **Working folder** for saving files, set undo levels, choose preferred settings for program behavior, enable Smart Proxy and more. To open the **Preferences** dialog box, select **File: Preferences [F6]**.

The most important setting can be found here. Be sure to set the Working folder to your designated folder on the hard drive. This is where all of the raw data/footage will be kept while you work on your project. **It is essential to make sure you specify where this data is going.** If it is saved to the wrong location, you could potentially lose all of the footage that has been imported.

## Setting project properties

**Project Properties** serve as your template for previewing your movie projects. The project settings in the Project Properties dialog box determine the appearance and quality of a project when it is previewed on-screen. To customize project settings, select **File: Project Properties**.

When customizing project settings, it is recommended that you make the settings the same as the attributes of the video footage that will be captured to avoid distorting the video images and have smooth playback without jumping frames.

When you customize project properties to be the same as the desired output settings for your project (for instance, setting project properties to DVD settings if you will output the project to a DVD disc), you can have more accurate previews of your final movie.

# VideoStudio Editor

**VideoStudio Editor** provides a step-by-step workflow that makes creating movies simple and easy. This section introduces you to the VideoStudio Editor interface and briefly explains the steps involved in creating a movie. Refer to the succeeding chapters for more in-depth information on each step.

## The User Interface

### 1 Step Panel

Contains buttons that correspond to the different steps in video editing.

### 2 Menu Bar

Contains menus that provide different set of commands.

### 3 Preview Window

Shows the current clip, video filter, effect, or title.



### 4 Navigation Panel

Provides buttons for playback and for precision trimming of clips. In the **Capture Step**, this also acts as the device control for the DV or HDV camcorder.

### 5 Toolbar

Contains buttons for switching between three project views and other quick settings.

### 6 Project Timeline

Displays all the clips, titles, and effects included in your project.

### 7 Options Panel

Contains controls, buttons, and other information that you can use to customize the settings of the selected clip. The contents of this panel change depending on the step you are in.

### 8 Library

Stores and organizes all of your media clips.

### Notes:

- To change the user interface layout, click **Preferences: UI Layout**.
- You can scale the layout of the user interface. Splitters between the Preview, Library and Timeline windows can be scaled. Drag the splitters and resize windows according to your editing preferences.

## The Step Panel

VideoStudio simplifies the process of creating movies into seven simple steps. Click the buttons in the **Step Panel** to switch between steps.



Once a project is opened in VideoStudio, video can be recorded directly to your computer's hard drive in the **Capture Step**. Footage from a videotape can be captured as a single file or automatically divided into multiple files. This step allows you to capture video and still images.



The **Edit Step** and the Timeline are the heart of VideoStudio. This is where you arrange, edit, and trim your video clips. Video filters can also be applied to your video clips in this step.



The **Effect Step** lets you add transitions between video clips in your project. Choose from the variety of transition effects in the Library.



The **Overlay Step** allows you to superimpose multiple clips over another to create a picture-in-picture effect.



No movie would be complete without opening titles, captions and closing credits. In the **Title Step**, you can create animated text titles or choose from various presets in the Library.



Background music sets the mood of your movie. The **Audio Step** lets you select and record music files from one or several CD-ROM drives attached to your computer. You can also dub over your video in this step.



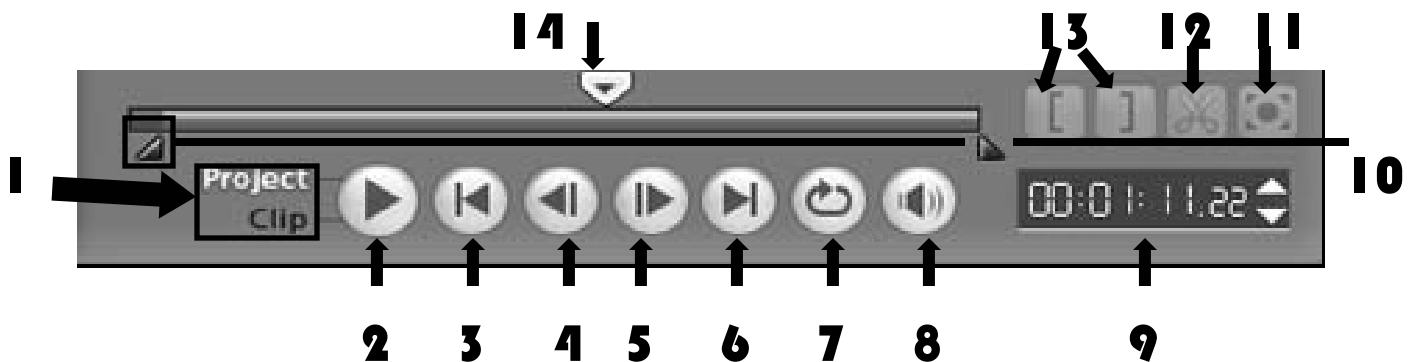
When your movie is complete, you can create a video file for sharing on the Web or output the movie on tape, DVD, or CD in the **Share Step**.

## The Menu Bar

The **Menu Bar** provides various commands for customizing VideoStudio, opening and saving movie projects, working with individual clips, and more.

## The Navigation Panel

The **Navigation Panel** is used to preview and edit the clips used in your project. Use the **Navigation Controls** to move around a selected clip or your project. Use the **Trim Handles** and **Jog Slider** to edit your clips. When capturing video from a DV or HDV camcorder, the Navigation Controls are used for device control. Use these buttons to control your DV or HDV camcorder or any other DV device.



## The Navigation Panel

### 1 Play Mode

Select whether you want to preview your project or the selected clip only.

### 3 Home

Returns to the starting frame.

### 5 Next

Moves to the next frame.

### 7 Repeat

Loops playback.

### 9 Timecode

Allows you to directly jump to a part of your project or selected clip by specifying the exact timecode.

### 11 Enlarge Preview Window

Click to increase the size of the Preview Window. You can only preview, not edit, your clips when the Preview Window is enlarged.

### 13 Mark-in/out

Use these buttons to set a preview range in the project, or to mark the start and end points where to trim a clip.

### 2 Play

Plays, pauses or resumes the current project or a selected clip.

### 4 Previous

Moves to the previous frame.

### 6 End

Moves to the end frame.

### 8 System Volume

Click and drag the slider to adjust the volume of your computer's speakers.

### 10 Trim Handles

Allows you to set a preview range in the project or trim a clip.

### 12 Cut Clip

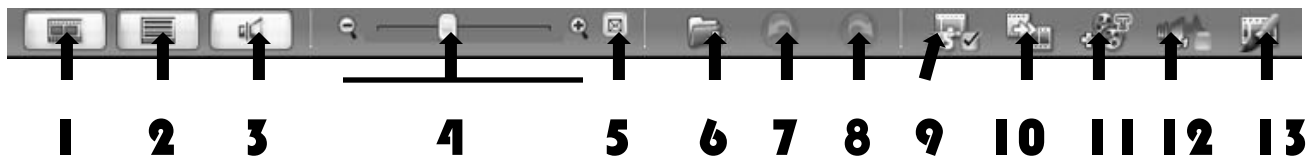
Cuts the selected clip into two. Position the **Jog Slider** where you want the first clip to end and the second one to start, then click this button.

### 14 Jog Slider

Allows you to scrub through the project or clip.

## The Toolbar

The toolbar allows you to easily access buttons for editing. You can change your project view or zoom your project timeline by adjusting your Timeline ruler. Click **Smart Proxy Manager** to speed up editing of your HD videos and other large source files. Or use the **Track Manager** to add more overlay tracks.



### 1 Storyboard View

Shows image thumbnails of your movie in the Timeline.

### 3 Audio View

Shows the audio waveform view, allowing you to visually adjust the volume levels of your video clips, narration or background music.

### 2 Timeline View

Allows you to perform frame accurate editing of your clips.

### 4 Zoom Controls

Allows you to change the timecode increments in the Timeline ruler.

## The Toolbar *(continued)*

### 5 Fit Project in Timeline Window

Zooms in or out to display all the project's clips on the Timeline.

### 7 Undo

Lets you undo a previous function.

### 9 Enable/Disable Smart Proxy

Toggles between Enable and Disable Smart Proxy and allows you to customize proxy settings when creating working copies of your HD videos with lower resolution.

### 11 Track Manager

Allows you to show/hide tracks.

### 13 Painting Creator

A new feature of VideoStudio that allows you to create image and animation graphic overlays to further enhance your project.

### 6 Insert Media Files

Displays a menu allowing you to place video, audio or image clips directly on the project.

### 8 Redo

Allows you to redo an undone function.

### 10 Batch Convert

Converts multiple video files to one video format.

### 12 Enable/Disable 5.1 Surround

Enables you to create 5.1 Surround audio tracks.

## The Project Timeline

The Project Timeline at the lower part of the VideoStudio Editor window is where you assemble your movie project. There are three types of views for displaying the Project Timeline: **Storyboard**, **Timeline** and **Audio View**. Click the buttons at the left side of the toolbar to switch between different views.



### Storyboard View

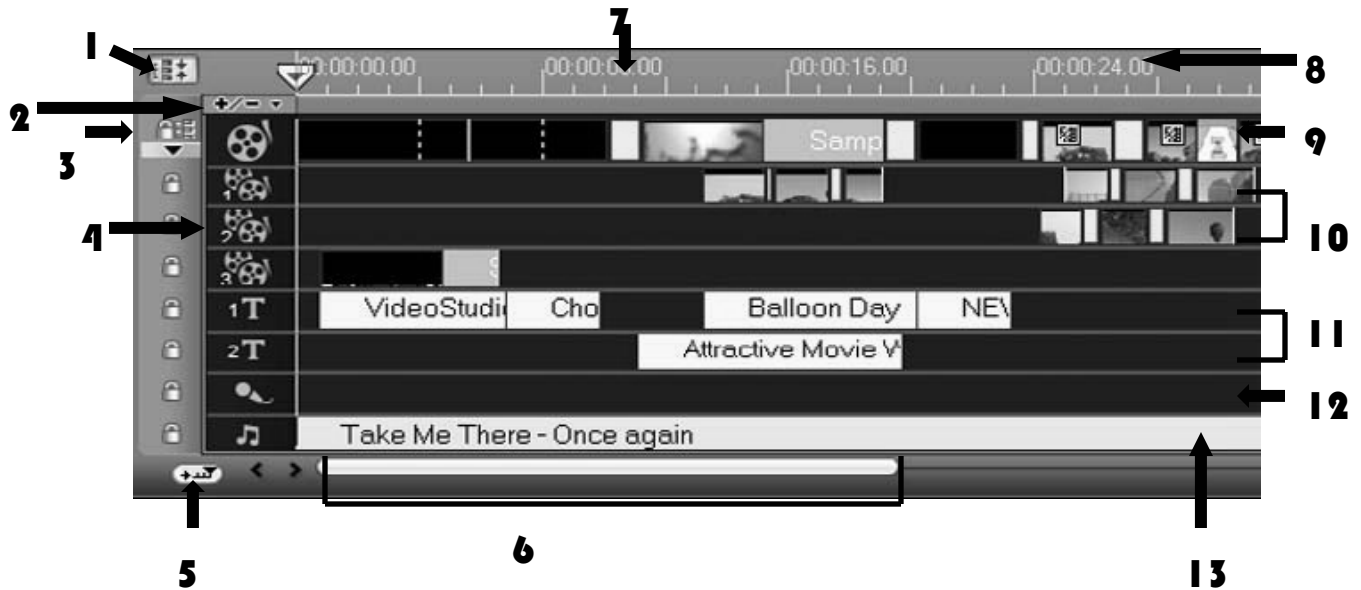
Storyboard View is the fastest and simplest way to add video clips to your movie. Each thumbnail in the storyboard represents an event in your movie, an event being a video clip or a transition. Thumbnails show at a glance the chronological order of events in your project. The duration of each clip is shown at the bottom of each thumbnail.



You can drag and drop video clips to insert and arrange them. Transition effects can be inserted between video clips. A selected video clip can be trimmed in the Preview Window.

## Timeline View

Timeline View gives you the most comprehensive display of the elements in your movie project. It divides a project into separate tracks for video, overlay, title, voice and music.



### 1 Show All Visible Tracks

Click to display all tracks in your project.

### 3 Ripple Editing

Enable/Disable Ripple Editing. When enabled, allows you to select which tracks to apply it to.

### 5 Timeline scroll control

Enable/disable scrolling along the Timeline when previewing a clip that extends beyond the current view.

### 7 Selected range

This color bar represents the trimmed or selected part of a clip or project.

### 9 Video Track

Contains video/image/color clips and transitions.

### 11 Title Track

Contains title clips.

### 13 Music Track

Contains music clips from audio files.

### 2 Add/Remove Chapter/Cue Point

Click to set chapter or cue points in your movie.

### 4 Track buttons

Click the buttons to switch between different tracks.

### 6 Project scroll controls

Use the left and right buttons or drag the Scroll Bar to move around your project.

### 8 Timeline ruler

Displays the project's timecode increments in hours: minutes:seconds.frames, which helps you determine clip and project length.

### 10 Overlay Tracks

Contains overlay clips, which can be video, image or color clips.

### 12 Voice Track

Contains voiceover clips.

### To switch to different tracks:

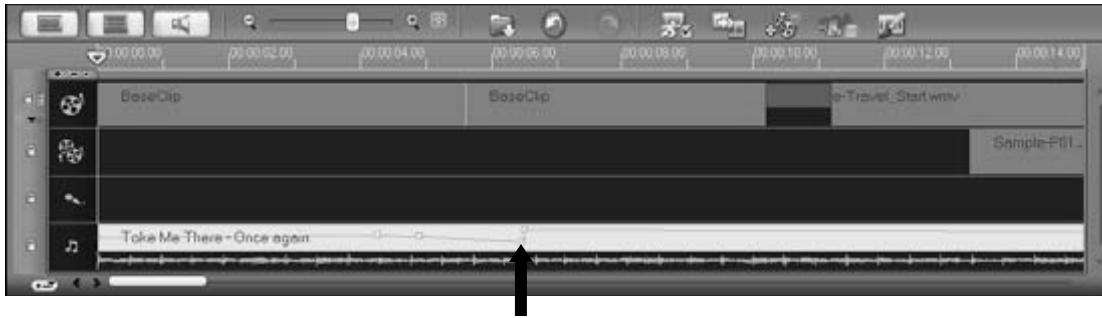
- Click a **Step button** in the **Step Panel** that corresponds to the track.
- Click the **Track buttons**.
- Double-click the desired track, or click a clip on the track.

### Tips:

- The wheel mouse can be used to scroll through the Timeline.
- When the pointer is over the **Zoom Controls** or **Timeline ruler**, you can use the wheel to zoom in and out of the Timeline.

### Audio View

Audio View allows you to visually adjust the volume levels of video, voice and music clips.



### Volume Rubber Band

Clips that contain audio are displayed with a **Volume rubber band** that you can click and drag to adjust their volume.

### The Options Panel

The **Options Panel** changes depending on the program's mode and the step or track you are working on. The Options Panel may contain one or two tabs. The controls and options in each tab vary, depending on the selected clip.

### The Library

The **Library** is a storage depot for everything you need to create a movie: video clips, video filters, audio clips, still images, transition effects, music files, titles and color clips. These are collectively known as media clips.

### Tips:

- You can print images directly from the Library. Right-click the image to print then select **Print Image** and select an image size.
- Right-click the image then select **Print Options** to specify print alignment and borders.

### To add media clips to the Library:

1 Click **Load media** to open a dialog box for locating the media clip to insert in the Library.



**Load media** allows you to locate the clip you want to add to the Library.

2 Select the desired file. You can also import VideoStudio projects and media files from your hard drive into the VideoStudio Library.

3 Click **Open** when you are finished.

### Notes:

- You can also drag and drop files from Windows Explorer straight to the Library.
- Right-click a clip in the Library to view the clip's properties as well as copy, delete, or Split by Scene.

### To delete media clips from the Library:

**1** Select the clip to remove from the Library, then press **[Delete]**. Or, right-click the clip in the Library and select **Delete**.

**2** When prompted, verify whether you want to delete the thumbnail from the Library.



Hold **[Ctrl]** or **[Shift]** to select multiple clips.

### Thumbnail Views

VideoStudio allows you to adjust the size of thumbnails to compensate for different monitor sizes and for easier access to the different media in the Library.




### To adjust thumbnail size:

Move the slider to the left or right to decrease and increase thumbnail size, depending on your desired appearance. VideoStudio will keep the last thumbnail size you selected on your next session.

### Adding clips

There are three ways to add clips to your project:

- Capture video clips from a video source. The video clips will be inserted onto the Video track.
- Drag clips from the Library onto the correct tracks.
- Click  to directly insert media files to the different tracks.

### Previewing

The **Play** button in the Navigation Panel serves two purposes: for playback of your entire project or a selected clip.

To play back, click **Project** or **Clip**, then click **Play**.



## Setting a preview range

For faster previews, you may choose to play only a part of your project. The selected range of frames to preview is referred to as the **preview range**, and it is marked as a red bar in the Ruler Panel.



To play the preview area only:

**1** Use the **Trim Handles** or the **Mark-in/out** buttons to select the preview range.

The **Preview range mark-in** and **Preview range mark-out** timecodes will then be displayed in the Options Panel.

**2** To preview the selected range, select what you want to preview (**Project** or **Clip**), then click **Play**. To preview the entire clip, hold [**Shift**], then click **Play**.

## Undoing and redoing actions

You can undo or redo the last set of actions that you performed while working on your movie by clicking **Undo** [**Ctrl+Z**] or **Redo** [**Ctrl+Y**] in the toolbar.

You can adjust the number of undo levels in the **Preferences** dialog box.

## Saving your project

While composing your movie project, select **File: Save** [**Ctrl + S**] to frequently save your project and avoid accidental loss of your work.

VideoStudio project files are saved in \*.vsp file format. To automatically save your work, select **File: Preferences - General** then select **Automatically save project every:** and specify the time interval between saves.

To open an existing project, select **File: Open Project** [**Ctrl + O**]. To create a new project again, select **File: New Project** [**Ctrl + N**].

## Capture

The bulk of video work involves working with raw footage. Transferring footage from a source device to the computer involves a process called **capturing**.

When capturing, video data is transferred from a source (usually a video camera) through a capture card to the computer's hard drive.



VideoStudio lets you capture video from DV or HDV camcorders, mobile devices, analog sources, VCRs and digital televisions.

## The Capture Step Options Panel

The **Capture Step Options Panel** consists of four options: **Capture Video**, **DV Quick Scan**, **Import Digital Media** and **Import from Mobile Device**.

### Capture Video

The steps on how to capture are similar for all types of video sources except for the available capture settings in the Capture Video Options Panel that can be selected for each type of source.

To capture video:

- 1 Click the **Capture Step** then click **Capture Video**.
- 2 To specify a capture duration, enter the values in the **Duration** box in the Options Panel.
- 3 Select your capture device from the **Source** list.
- 4 Select a file format to use for saving your captured video from the **Format** list.
- 5 Specify a **Capture folder** in which to save video files.
- 6 Click **Options** to open a menu for customizing more capture settings.
- 7 Scan your video to search the part to capture.
- 8 When your video for capture is already on cue, click **Capture Video** to start capturing.
- 9 If you specified a capture duration, wait for the capture to complete. Otherwise, click **Stop Capture** or press **[Esc]** to stop capturing.

### Capture Video Options Panel

- **Duration:** Sets the length of time for the capture.
- **Source:** Displays the detected capture device and lists other capture devices installed in your computer.
- **Format:** Gives you a list of options where you select a file format for saving your captured video.
- **Capture folder:** This feature allows you to specify a folder where you want your captured files to be saved.
- **Split by Scene:** Automatically separates captured video into several files based on changes in shooting date and time when capturing video from a DV camcorder.
- **Options:** Displays a menu allowing you to modify your capture settings.
- **Capture Video:** Transfers video from your source to your hard drive.
- **Capture Image:** Captures the displayed video frame as an image.
- **Disable/Enable Audio Preview:** Disables audio preview on the computer while capturing DV.

## Importing digital media

You can import DVD/DVD-VR from a disc into VideoStudio.

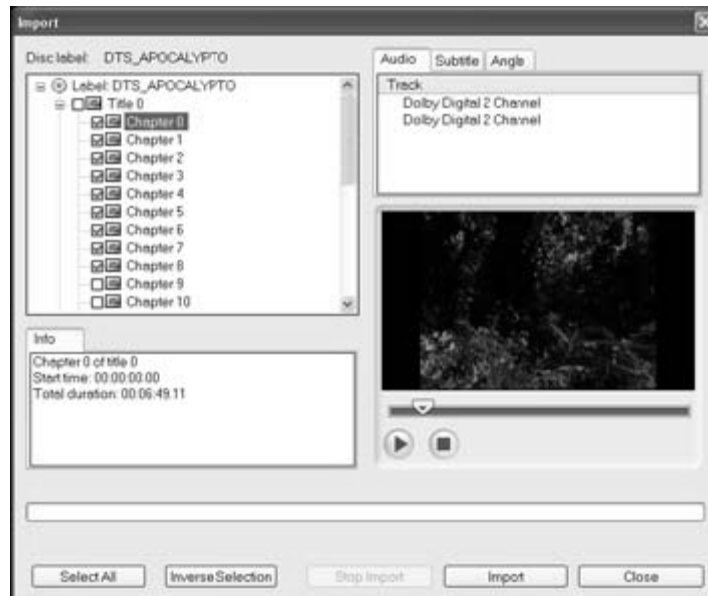
To import Digital Media:

**1** Click the **Capture Step** then click **Import Digital Media**. **Select a Title** dialog box opens.

**2** Locate the DVD drive that contains the video files and click **Import**.

**Note:** Click **Import from Folder** to search your hard drive for the video files. Browse for the DVD folder and click **OK**.

**3** In the **Import** dialog box, select which DVD tracks to import in **Label**. Use the preview screen to view the selected tracks to import.



**4** Click **Import** to finish. All imported videos will be added to the thumbnail list in the Library.

## Edit

The **Edit Step** is where you arrange, edit and trim the video clips used in your project. In this step, you can apply effects and transitions to the existing audio of a video clip, multi-trim or split video, and adjust a clip's playback speed. You can also choose from a wide selection of video filters to apply to your clips.

### The Edit Step Options Panel

The **Edit Step Options Panel** allows you to edit the video, image and color clips that you added to the Video Track. Video filters that you applied to your clips can be fine tuned in the Attribute tab.

## Video tab

- **Duration:** Displays the duration of the selected clip in hours:minutes:seconds:frames. You can trim the selected clip by changing the clip duration.
- **Clip volume:** Allows you to adjust the volume of the audio segment of your video.
- **Mute:** Silences the audio segment of your video without deleting it.
- **Fade-in/out:** Gradually increases/decreases the volume of the clip for a smooth transition. Select **File: Preferences - Edit** to set the fade-in/out duration.
- **Rotate:** Rotates the video clip.
- **Color Correction:** Allows you to adjust the hue, saturation, brightness, contrast, and gamma of the video clip. You can also adjust the White balance of the video or image clip or make auto tone adjustments.
- **Playback Speed:** Launches the **Playback Speed** dialog box where you can adjust the pace of your clip.
- **Reverse video:** Plays the video backward.
- **Save as Still Image:** Saves the current frame as a new image file and places it in the **Image Library**. All enhancements made to the file are discarded before saving.
- **Split Audio:** Allows you to separate the audio from a video file and place it on the Voice Track.
- **Split by Scene:** Splits a captured DV AVI file based on the shooting date and time, or the changes in video content (i.e., motion change, camera shifting, brightness change, etc.).
- **Multi-trim Video:** Allows you to choose desired segments from a video file and extract them.

## Image tab




- **Duration:** Sets the duration of the selected image clip.
- **Rotate:** Rotates the image clip.
- **Color Correction:** Allows you to adjust the hue, saturation, brightness, contrast, and gamma of the image. You can also adjust the White balance of the video or image clip or make auto tone adjustments.
- **Resampling option:** Sets how image size is adjusted.
- **Keep aspect ratio:** Maintains the relative width and height of the current image.
- **Fit to project size:** Makes the size of the current image the same as the project's frame size.
- **Pan & Zoom:** Applies the Pan & Zoom effect to the current image.
- **Presets:** Provides various Pan & Zoom presets. Choose a preset from the drop-down list.
- **Customize:** Allows you to define how to pan and zoom the current image.

## Color tab

- **Duration:** Sets the duration of the selected color clip.
- **Color Picker:** Click the color box to adjust the color.

## Attribute tab

• **Replace last filter:** Allows the last filter applied to a clip to be replaced when you drag a new filter onto the clip. Clear this option if you want to add multiple filters to your clips.

• **Applied filters:** Lists the video filters that were applied to a clip. Click  or  to arrange the order of the filters; click  to remove a filter.

• **Presets:** Provides various filter presets. Choose a preset from the drop-down list.

• **Customize Filter:** Allows you to define the behavior of the filter throughout the clip.

• **Distort clip:** Allows you to modify the size and proportions of the clip.

## Working with clips

Clips, whether audio, video, images or effects, are the foundation of your project and manipulating them is the most important skill you can master.

### Adding clips to the Video Track

You only work on the Video Track when you are in the Edit Step. On the Video Track, you can insert three types of clips: **video, image and color clips.**

## Video clips

There are several ways of inserting video clips on the Video Track:

• Select a clip in the Library and drag and drop it to the Video Track. Multiple clips can be selected by pressing **[Shift]** or **[Ctrl]**.



• Right-click a clip in the Library then select **Insert To: Video Track.**

• Select one or more video files in Windows Explorer then drag and drop to the Video Track.

• To insert a clip from a file folder directly to the Video Track, click **Insert Media Files**  located to the left of the Timeline.

### Notes:

• Aside from video files, you can also add video from DVD or DVD-VR formatted discs.

• Use the **Fade-in/out** buttons   to make the audio of the video clips in your project smoothly fade from one clip to the next.

## Images

The ways of adding still images to the Video Track are the same as when adding video clips.

Before you start adding images to your project, determine first the image size that you want for all your images. By default, VideoStudio adjusts the size to keep the image's aspect ratio.

To make the size of all inserted images the same as your project's frame size, select **File: Preferences - Edit** then change the **Image resampling option** default to **Fit to project size.**

## Color clips

Color clips are solid colored backgrounds that are useful for titles. For example, insert a black color clip as background for end credits. You can use the preset color clips or create new color clips in the Library.

To select a color clip in the Color Library:

1 Select **Color** from the Library drop-down menu.

2 Choose your desired color displayed in the Library and drag to the Video or Overlay Track.

3 To load another color that is not in the Library, click the color box beside the Color Picker. Here, you can select a color either from Corel Color Picker or the Windows Color Picker.

4 Set the **Duration** of the color clip in the Options Panel.



## Trimming a clip

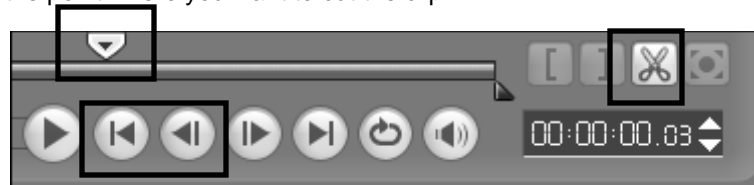
The best part of editing your movie on your computer is the ease with which you can snip and trim your work with frame by frame accuracy.



There are three ways of trimming a clip:


To split a clip into two:

1 Select the clip you want to split on the Storyboard or Timeline.

2 Drag the **Jog Slider** to the point where you want to cut the clip.



**Tip:** Click  or  to set the cutting point more precisely.

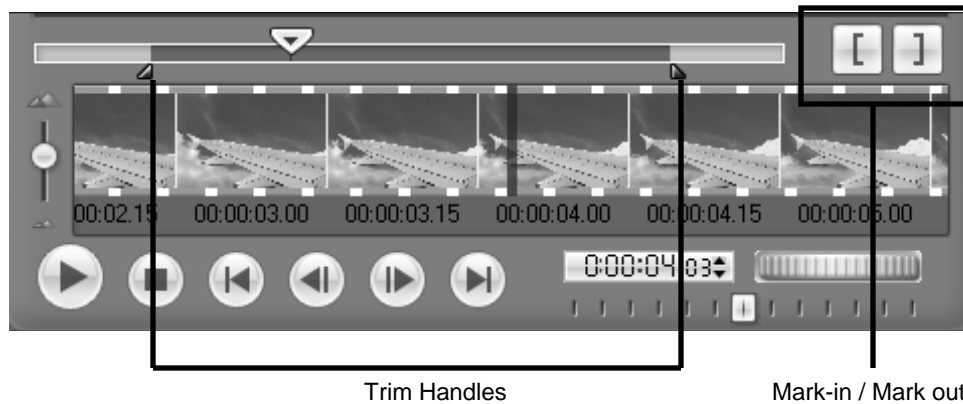
3 Click  to cut the clip into two clips. To remove one of these clips, select the unwanted clip and press **[Delete]**.

To trim a clip with the Trim Handles using Single Clip Trimmer:

1 Double-click a video clip in the Library or right-click on a video clip and choose **Single Clip Trim** to launch the **Trim Video** dialog box.

2 Click and drag the Trim handles to set the Mark-in/Mark-out points on the clip.

For more precise trimming, click on a Trim handle, hold it, and use the left or right arrow keys on your keyboard to trim one frame at a time. The Mark-in/Mark-out points can also be set by pressing **[F3]** and **[F4]**, respectively.



3 Click **Play Clip** to preview the trimmed clip.

**Tip:** You can also use **Zoom** controls to display each frame of your video on the Timeline and trim one frame at a time. The **Scroll Bar** makes navigating through your project quicker and easier.

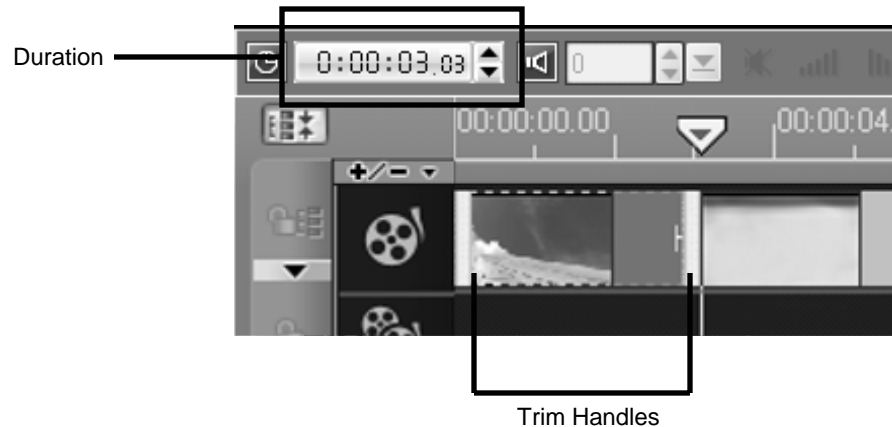
A wheel mouse can also be used to scroll, and to zoom by pressing **[Ctrl]**.

To trim a clip directly on the Timeline:

**1** Click a clip on the Timeline to select it.

**2** Drag the yellow **Trim handles** on either side of the clip to change its length. The Preview Window reflects the position of the Trim handle in the clip.

**3** Or, click the timecode in the **Duration** box in the Options Panel and enter the desired clip length.



**4** Other clips in your project automatically reposition themselves according to changes made.

**Note:** Changes made in the video **Duration** box only affect the Mark-out point. The Mark-in point remains unchanged.

#### Capturing still images in the Edit Step

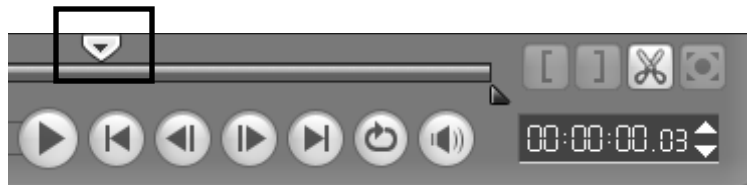
A still image can be captured in the **Edit Step** by selecting a specific frame on the Timeline and saving it as an image file. In this manner, possible distortions are avoided since the image is not acquired from a running video, unlike in the **Capture Step**.

To capture still images:

**1** Select **File: Preferences - Capture**. Choose Bitmap or JPEG as the **Captured still image save format**. If you selected JPEG, also set the **Image quality**.

**2** Select a video clip in your project.

**3** Drag the **Jog Slider** to the frame you want to capture.



**4** Switch to an image folder in the Library. The folder can be the default Image folder, or the one created by yourself.

**5** Select **Clip: Save as Still Image**. The new image file is saved to your working folder and is represented as a thumbnail in the image folder you assigned.

## Enhancing clips

VideoStudio lets you improve the quality of a video or image clip by adjusting its current properties such as its color settings in **Color Correction**.

### Adjusting color and brightness

Adjust color and brightness settings of images and video on the Timeline by clicking **Color Correction** in the Options Panel.

To adjust color and brightness:

- 1 Select the video or image clip to enhance on the Timeline.
- 2 Drag the sliders to the right to intensify the Hue, Saturation, Brightness, Contrast or Gamma of the clip.
- 3 Watch the Preview Window to see how the new settings are affecting the image.

**Note:** Click **Reset** to restore the original color settings of the clip.

### Adjusting white balance

White balance restores the natural color temperature of an image by removing wrong color casts due to conflicting light source and incorrect camera settings.

For example, an object illuminated with incandescent lights may turn out too reddish or yellowish in an image or video clip. To successfully achieve its natural effect, you need to identify a reference point in your image which represents the color white. VideoStudio gives you different options in selecting the white point:

- **Auto:** Gives you automatic calculation of the fitted white point that is well-matched with the overall color of your image.
- **Pick Color:** Allows you to manually select the white point in the image. Use the Eyedropper Tool to pick a reference area that should be white or neutral gray.
- **White balance presets:** Automatically selects white point by matching specific light conditions or scenarios.
- **Temperature:** Allows you to specify color temperature of light sources in Kelvin (K). Lower values indicate Tungsten, Fluorescent and Daylight scenarios while Cloudy, Shade and Overcast fall under high color temperature.

To adjust White balance:

- 1 Select an image or video clip on the Timeline or the Library.
- 2 In the Edit Step Options Panel, click **Color Correction**.
- 3 Select **White balance**.
- 4 Determine how you want to identify the white point. Choose among the different options (**Auto**, **Pick color**, **White balance presets** or **Temperature**).
- 5 If you have selected **Pick color**, choose **Show preview** to display a preview area in the Options Panel.
- 6 When you drag your cursor to the Preview area, it will change to an eyedropper icon.
- 7 Click to identify a reference point in your image which represents the color white.
- 8 Watch the Preview Window to see how the new settings are affecting the image.



**Tip:** Click the **White balance** drop-down arrow to display more color adjustments you can use. Select **Vivid Color** or **Normal Color** for the color intensity. The **Weaker**, **Normal** and **Stronger** options specify the level of sensitivity of White balance.

## Adjusting tones

To adjust the tone quality of your video or image clips, click **Color Correction** in the Edit Step Options Panel and select **Auto Tone Adjustment**. You can indicate if you want the clip as **Brightest**, **Brighter**, **Normal**, **Darker** or **Darkest** by clicking the **Auto Tone Adjustment** dropdown menu.

## Applying video filters

Video filters are effects that you can apply to clips in order to change their style or appearance. For example, you can improve the color balance of a clip, or make it look like a painting.

### Video filter samples:

- **DeBlock**: Smoothens uneven areas in a clip and reduces noise like block artifacts or mosquito effect that are usually found in some highly compressed videos.
- **DeSnow**: Removes visible and dynamic “snowy” noise patterns in videos captured from sources with poor TV signals or video clips usually taken under low lighting conditions or by cameras with high ISO values.
- **Anti-shake**: Allows you to correct or stabilize sub-standard videos due to camera shake.

To apply a video filter to a clip (video or image) in the Video Track:



- 1 Select a clip on the Timeline.
- 2 Click the **Attribute** tab in the Edit Step Options Panel.
- 3 Choose a video filter from the **Video Filter** folder in the Library to apply to your clip (by clicking the thumbnail).
- 4 Drag and drop the video filter onto your clip in the Video Track.

**Note:** By default, the filter applied to a clip is always replaced with the new filter dragged onto the clip. Clear **Replace last filter** to apply multiple filters to a single clip. VideoStudio allows you to apply a maximum of five filters to a single clip. You can also choose the filter to be previewed through the selection in the view toggle. In the event that you choose to render your project, only enabled filters will be included in your movie.



5 Click **Customize Filter** in the Options Panel to customize the attributes of the video filter. Available options depend on the selected filter.

6 Preview how your clip looks with the video filter applied to it using the Navigator.

**Note:** When there is more than one video filter applied to a clip, you can change the order of filters by clicking  or . Changing the order of the video filters will have drastic effects on your clip.

## Effect

Transition effects make your movie smoothly change from one scene to the next. They are applied between clips in the Video Track and their attributes can be modified in the Options Panel. Effective use of this feature can add a professional touch to your movie.

### The Effect Step Options Panel

VideoStudio takes care of all the details to make your transitions smooth and professional. You can further customize your transitions after adding them to your project. The **Effect Step Options Panel** displays the settings of your selected transition so that you can change their various attributes. This gives you complete control of exactly how your transitions will behave and look like in your movie.

**Note:** The attributes in the Options Panel vary depending on the type of transition effect that is selected and applied to your project.

- **Duration:** Shows the duration of the applied effect on the selected clip in hours:minutes:seconds:frames. You can adjust the duration by changing the timecode values.
- **Border:** Determines the thickness of the border. Enter **0** to remove the border.
- **Color:** Determines the hue of the transition effect's border or flap.
- **Soft edge:** Specifies how well you want the transition effect to blend with the clips. A Strong soft edge results in a less pronounced transition, thus creating a smooth progression from one clip to another. This option works best for irregular shapes and angles.
- **Direction:** Specifies the direction of a transition effect. (This is only applicable to some of the transition effects.)

### Adding transitions

The Library provides a wide range of preset transitions from crossfades to explosions that you can add to your project.



You can add transitions either in Storyboard View or Timeline View.

**Note:** By default, you need to manually add transitions to your project. But when two clips overlap each other on the timeline, a default transition effect is added between the overlapping clips. If you want VideoStudio to automatically add transitions between clips, select **File: Preferences - Edit** then select **Automatically add transition effect** and choose a transition effect from the **Default transition effect** drop-down menu. This saves you time in adding transitions, especially when you are creating a slideshow project that contains images only, since transitions are applied and automatically added between images based on the transition effect you specified as the default transition.

To add a transition:

**1** Click the **Effect Step**, then select one of the categories of transitions from the **Folders** list.

**2** Scroll through the effects thumbnails in the Library. Select and drag an effect to the Timeline, roughly between two video clips. Drop your effect and it will snap into place. You can only drag and drop one clip at a time.

**Tip:** Double-clicking a transition in the Library automatically inserts it into the first empty transition slot between two clips. Repeating this process will insert a transition into the next empty transition slot.

To replace a transition in your project, drag the new transition from the Library onto the transition thumbnail to be replaced on the Storyboard or Timeline.

## Overlay

The **Overlay Step** allows you to add overlay clips to combine with your videos in the Video Track. Use an Overlay clip to create a picture-in-picture effect or add a lower-third to create more professional-looking movie productions.

### The Overlay Step Options Panel

There are two tabs in the **Overlay Step Options Panel**: **Edit** tab and **Attribute** tab.

#### Edit tab

The **Edit** tab allows you to customize properties such as clip duration, playback speed, and audio properties of the Overlay clip. The available options in this tab will depend on the selected Overlay clip.

#### Attribute tab

The **Attribute** tab allows you to apply motion, transparency, filters and border to the Overlay clip.

### Adding clips to the Overlay Track

Drag media files to the Overlay Track on the Timeline to add them as overlay clips for your project.

To add a clip to the Overlay Track:

1 In the Library, select the media folder that contains the Overlay clip that you want to add to your project.

2 Drag the media file from the Library to the Overlay Track on the Timeline.



#### Tip:

- You can also use color clips as Overlay clips.

3 Customize the Overlay clip using the options available in the **Edit** tab.

4 Click the **Attribute** tab. The Overlay clip is then resized to a preset size and positioned at the center. Use the options in the Attribute tab to apply motion to the Overlay clip, add filters, resize and reposition the clip, and more.

#### Resizing an Overlay clip

After clicking the Attribute tab, drag a handle on the Overlay clip on the Preview Window to resize it. If you drag a yellow corner handle, it will keep the aspect ratio when you resize the clip.

#### Tip:

It is recommended that you keep the Overlay clip within the title safe area.





## Title

While a picture may be worth a thousand words, the text in your video production (i.e., subtitles, opening and closing credits, etc.) adds to the clarity and comprehensibility of your movie. In VideoStudio's **Title Step**, create professional-looking titles, complete with special effects, in minutes.

### The Title Step Options Panel

The **Title Step Options Panel** allows you to modify text properties such as font, size, and color.

#### Edit tab

- **Duration:** Displays the duration of the selected clip in hours:minutes:seconds:frames. You can adjust the duration by changing the timecode values.
- **Vertical text:** Click  to make the orientation of the title vertical.
- **Font face:** Selects your desired font style.
- **Font size:** Sets your desired font size.
- **Color:** Specifies your preferred font color.
- **Line spacing:** Sets the spacing, or leading, between lines of text.
- **Rotate by degree:** Sets the specified angle and direction (clockwise or counter clockwise) of the text.
- **Multiple titles:** Select to use multiple text boxes for your text.
- **Single title:** Select to use a single text box for your text. This is automatically selected when opening a project file from older versions of VideoStudio.
- **Text backdrop:** Select to apply a solid background bar, ellipse, rectangle, curve-edged rectangle or a rounded rectangle as background for your text. Click  to use a solid or gradient color and to set the transparency of the text backdrop.
- **Border/Shadow/Transparency:** Sets the border and intensity of the shadow and transparency of the text.
- **Open subtitle file:** Inserts a previously saved movie subtitle.
- **Save subtitle file:** Saves the movie subtitle to a file for future use.

### Adding text

Corel VideoStudio allows you to add text either in multiple text boxes or in a single text box. Using multiple text boxes gives you the flexibility to position the different words of your text anywhere on the video frame and allows you to arrange the stacking order of the text. Use a single text box when you are creating opening titles and end credits for your projects.

To add multiple titles:

- 1 In the Options Panel, select **Multiple titles**.
- 2 Use the buttons in the **Navigation Panel** to scan your movie and select the frame where you want to add the title.
- 3 Double-click the Preview Window and type in your text.

Click outside the text box when you are done typing. To add another set of text, double-click again on the Preview Window.



4 Repeat step 3 to add more sets of text.

If you switch to **Single title** before adding to the Timeline the multiple text that you entered, only the selected text or the first text that you typed in (when no text box is selected) will be retained. The other text boxes will be removed and the **Text backdrop** and **Rotate by degree** options will be reset and disabled.

## Editing text

For single titles, select the title clip on the Title Track and click the Preview Window.

For multiple titles, select the title clip on the Title Track and click the Preview Window, then click the text that you want to edit.

### Notes:

- Once a title clip has been inserted onto the Timeline, you can adjust its duration by either dragging the handles of the clip, or entering a **Duration** value in the Options Panel.
- To see how the title appears on the underlying video clip, select the title clip and then click **Play Trimmed Clip** or drag the **Jog Slider**.


**Tip:** When you are creating multiple title clips that share the same attributes such as font type and style, it is a good rule of thumb to store one copy of your title clip in the Library. (Just drag and drop the title clip from the Timeline into the Library.) This way, you can easily duplicate the title clip (by dragging it from the Library back onto the Title Track) and then change the title.

## Modifying text attributes

Modify the attributes of your text, such as font face, style, size, and more, by using the available settings in the Options Panel.

More options allow you to set the style and alignment, apply a **Border**, **Shadow** and **Transparency** and add a **Text backdrop** to your text.

A text backdrop superimposes your text on an ellipse, rounded rectangle, curve-edged rectangle and a rectangle

color bar. Click  to open the **Text Backdrop** dialog box to select whether to use a solid or gradient color and to set the transparency of the text backdrop.



In the Preview Window, click the text box you want to rearrange. After selecting, right-click it then on the menu that opens, select how you want to restack the text.

## Saving your titles to the Library

If you still intend to use the title you have created for other projects, it is recommended that you save it in the Library. Simply select a title on the Timeline and drag it to the Library.

## Audio


Sounds are one of the elements that determine the success of your video production. VideoStudio's Audio Step allows you to add both narration and music to your project.

The Audio Step consists of two tracks: **Voice** and **Music**. Insert your narrations on the Voice Track and your background music or sound effects on the Music Track.

### The Audio Step Options Panel

The **Audio Step Options Panel** consists of two tabs: **Music & Voice tab** and **Auto Music** tab. The Music & Voice tab allows you to copy music from your audio CD, record your voice and apply audio filters to your audio tracks. The Auto Music tab allows you to use third-party music tracks for your project.

#### Music & Voice tab


- **Duration:** Displays the duration of the audio track in hours:minutes:seconds:frames. You can also pre-set the length of the recording by entering the desired duration.
- **Clip volume:** Adjusts the volume level of the recorded clip.
- **Fade-in:** Gradually increases the volume of the clip.
- **Fade-out:** Gradually decreases the volume of the clip.
- **Record Voice:** Opens the **Adjust Volume** dialog box where you can first test the volume of your microphone. Click **Start** to begin recording. VideoStudio creates a new clip to the right of the existing audio in the Voice Track on the Timeline. This changes into **Stop** during the recording process.
- **Import from Audio CD:** Opens a dialog box where you can import music tracks from an audio CD. Click  to update your CD information either from the CD-text in the audio CD or from the Internet.
- **Playback Speed:** Opens a dialog box where you can change the speed and duration of an audio clip.
- **Audio Filter:** Opens the **Audio Filter** dialog box where you can apply audio filters to the selected audio clip.
- **Audio View:** Changes your Timeline into an audio waveform. When clicked, the Surround Sound Mixer tab is displayed.

#### Auto Music tab

- **Duration:** Displays the total duration of the selected music.
- **Clip volume:** Adjusts the volume level of the selected music. A value of 100 retains the music's original volume level.
- **Fade-in:** Gradually increases the volume of the music.
- **Fade-out:** Gradually decreases the volume of the music.
- **Scope:** Specify how the program will search for SmartSound files.
- **Local:** Searches for SmartSound files stored in the hard drive.
- **Mounted:** Searches for SmartSound files stored in the hard drive and CD-ROM drives.
- **Owned:** Searches for SmartSound files that you own including those stored in CDs.
- **All:** Searches for all SmartSound files available in your desktop computer and the Internet.
- **Library:** Lists the available libraries from which music can be imported.
- **Music:** Select the desired music to add to your project.
- **Variation:** Select from a variety of musical instruments and tempo to apply to the selected music.
- **Play Selected Music:** Plays back the music with the selected Variation.
- **Add to Timeline:** Inserts the selected track to the Music Track of the Timeline.
- **Auto trim:** Automatically trims the audio clip to fit the empty space based on the Jog Slider position.

- **SmartSound Quicktracks:** Opens a dialog box where you can view information and manage the SmartSound Library.

## Adding audio files

VideoStudio provides a separate Voice Track and Music Track but you may interchangeably insert voice and music files on either track. To insert, click  and select **Insert Audio**. Choose which track to insert your audio file.

**Tip:** Click **Audio View** for easier editing of your audio clips.

## Adding background music

Set the feel of your movie with the background music of your choice. VideoStudio can record and convert song tracks from your CD into WAV files and then insert them onto the Timeline.

VideoStudio also supports WMA, AVI, and other popular audio file formats which you can directly insert onto the Music Track.

## Importing music from an audio CD

Capture music by importing from an audio CD. VideoStudio copies the CDA audio file then saves it in your hard drive as a WAV file.

To import music from an audio CD:

**1** Click **Import from Audio CD** in the **Music & Voice** tab to open the **Rip CD Audio** dialog box. To check if the disc is detected, see to it that **Audio drive** is enabled.

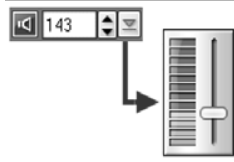
**2** Select the tracks to be imported in the **Track List**.

**3** Click **Browse** and select the destination folder where the imported files will be saved.

**4** Click **Rip** to start importing the audio tracks.

## Using the Clip Volume Control

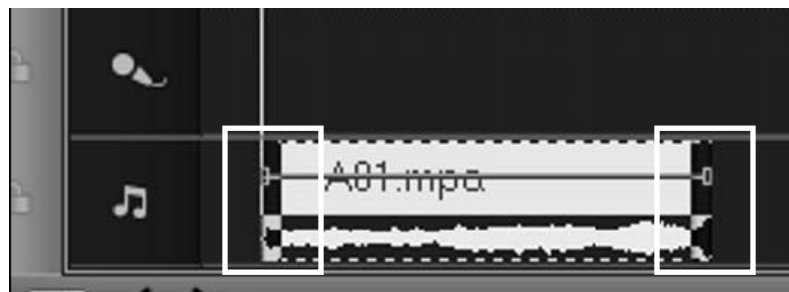
You will find the volume control in the Attribute Panel. Clip volume represents the percentage of the original recorded volume. Values range from 0 to 500%, where 0% completely silences the clip and 100%



## Trimming and cutting audio clips

After recording voice and music, you can easily trim your audio clips on the Timeline. There are two ways to trim audio clips:

- On the Timeline, a selected audio clip has two handles that can be used for trimming. Just grab a handle, either from the beginning or end, and drag it to shorten a clip.



- Drag the **Trim handles**.





**Tip:** You can also trim a clip in the Library by using the Trim handles.

To play the trimmed portion of the clip, click **Play Trimmed Clip**. Aside from trimming, you can also cut audio clips. Drag the **Jog Slider** to the position where you want to cut the audio clip then click **Cut clip starting from Jog Slider's position**. You can then delete the excess part of the clip.



## Fade-in/out

Background music that starts and ends gradually is commonly used to create smooth transitions. For each of your music clips, you can click  and  to fade-in and fade-out the volume at the start and end of the clip.

## Volume rubber banding

The volume rubber band is the horizontal line in the middle of the track and can only be seen when you are in Audio View. You can use the rubber band to adjust the volume of the audio track of video clip and the audio clips in the Music and Voice Tracks.

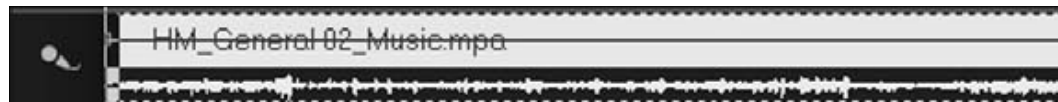


Volume  
Rubber Band

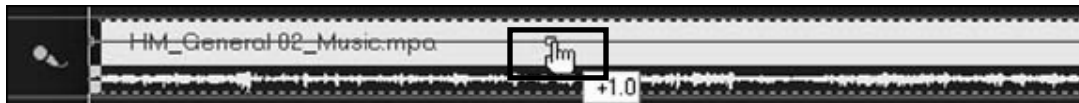
**To adjust the volume level using the rubber band:**

**1** Click **Audio View**.

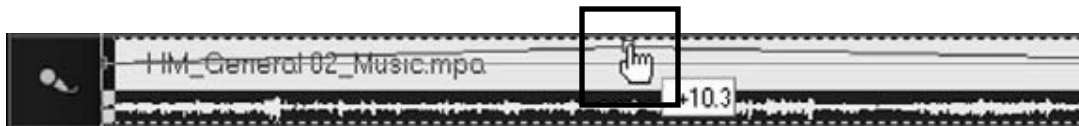
**2** On the Timeline, click the track to be adjusted.



**3** Click a point on the rubber band to add a key frame. This allows you to adjust the volume level of the track based on this key frame.



**4** Drag the key frame upwards/downwards to increase/decrease the volume level at this point of the clip.



**5** Repeat steps 3 and 4 to add more key frames to the rubber band and to adjust the volume level.

## Applying audio filters

VideoStudio allows you to apply filters such as **Amplify**, **Hiss Reduction**, **Long Echo**, **Normalize**, **Pitch Shift**, **Remove Noise**, **Reverb**, **Stadium**, **Vocal Reduction** and **Volume Leveling** to your audio clips in the Music and Voice Tracks. You can only apply audio filters when you are in Timeline View.

To apply audio filters:

**1** Click **Timeline View**.

**2** Select the audio clip on which to apply an audio filter.

**3** In the Music and Voice Panel, click **Audio Filter**. This opens the **Audio Filter** dialog box.

In the **Available filters** list, select the desired audio filters and click **Add**.

**Note:** An audio filter can be customized if the **Options** button is enabled. Click **Options** to open a dialog box where you can define the settings for the particular audio filter.

**4** Click **OK**.

## Share

Render your project into a video file format that is suitable for your audience or purpose. You can export the rendered video file as an mpeg2 for broadcast, a DVD, playback on the computer full screen, & a web-sized file directly to YouTube. These can be done in VideoStudio's **Share Step**.

### The Share Step Options Panel

- **Create Video File:** Creates a video file of your project with your specified project settings.
- **Create Disc:** Invokes the DVD authoring wizard and allows you to choose an option from a pop-up menu to burn your project in DVD.
- **DV Recording:** Allows you to record a selected video file onto a DV tape using a DV camcorder.
- **Share Video Online:** Allows you to output your project as FLV files to upload to YouTube directly.

### Creating and saving a video file

Before rendering your entire project into a movie file, select **File: Save** or **Save As** to save it first as a VideoStudio project file (\*.VSP). This allows you to return to your project anytime and make edits.

If you want to preview your project before creating a movie file, switch to **Project Mode** and click **Play** in the **Navigation Panel**. How the project is played back depends on the option you have selected in **File: Preferences - General tab - Playback method**.

**Note:** You can click **Pause** in the progress bar to stop rendering and continue it when you're ready. You can also choose to stop preview while rendering for a faster and more efficient rendering of your project.



To create a video file of the entire project:

**1** Click **Create Video File** in the Options Panel. A selection menu of movie templates then opens.



**2** To create a movie file using the current project settings, select **Same as Project Settings**.

Or, select one of the preset movie templates. These templates let you create a movie file that is suitable for the Web or for output to DV, DVD, SVCD or VCD, WMV and MPEG-4.

**3** Enter the desired file name for your movie and click **Save**. The movie file will then be saved and placed in the **Video Library**.

## Burning video discs

Click **Create Disc** in the Options Panel to output your project to create a DVD.

1 Deselect  
Create menu



2 Click Next

## Previewing

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 on the computer. Use the navigation controls here as you would on a standard remote control of a home DVD player.

Playback  
Controls



If you're ready to proceed with  
burning the DVD, click Next.

## Burning your project onto a disc

This is the final step in the disc creation process.

To burn your movie onto a disc:

1 Click **Next** after you preview your project.

2 Click **Show more output options**

to show available options for your project.

- Select **Create DVD folders** to create folders for your project and specify their location.
- Select **Create disc image file** to make an ISO image file of the DVD for later use.
- Select **Normalize audio** to make sure that irregular audio levels during playback are prevented.

3 Click **Burning Options** to define additional burner and output settings.

4 Click **Burn** to start the burning process.



5 After successfully burning your disc, a dialog box appears from which you can select the next step.

- **Close:** Prompts you to save your work and close Corel VideoStudio.

To record your project to a DV camcorder:

1 Turn on your DV camcorder and set it to **Play** (VTR/VCR) mode.

2 In the Options Panel, click **Project Playback**.

3 In the **Project Playback - Options** dialog box, select **Use device control** then click **Next**.

**Note:** If you only want to output the preview range of your project to the DV camcorder, select **Preview range**.



4 In the **Project Playback - Device Control** dialog box, use the **Navigation Panel** to go to the section of the DV tape where to start recording your project.

**Tip:** Click **Transmit to device unit**

**for preview** to preview your project on the DV camcorder's LCD monitor.

5 Click **Record**. When recording is complete, click **Finish**.



## Posting your video on a Web page

The Internet is another medium where you can share your movies but there are a few things you need to take into consideration. A short three minute video can take up 60MB of disk space and will take many hours to download. However, at reasonable file sizes, viewers can download your movies from the Internet. Creating video for the Internet requires proper use of video format and compression to produce good quality but small file size video files.

After you have created a movie that is suitable for posting to the Internet, VideoStudio can assist with the task of coding the HTML document.

To export your video onto a Web page:

**1** Select a video clip from the Library.

**2** Click **Output video file to a different medium**  and select **Web Page**.

**3** A message will appear asking if you want to use **Microsoft ActiveMovie** control or not.



**Note:** ActiveMovie is a small plug-in for your Internet browser (standard with IE 4.0 or above) which your viewers need to install. If you choose **No**, the page will be set up with a simple link to the movie and will open your default media playback application to view your video.

**4** Enter a name and location for the new HTML file.

**5** Click **OK**.

Your default browser will open, displaying your page. When you upload this page to your Web server, you need to change one line of code to reflect the relative links to the associated movie file.