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Getting started

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Welcome

Roxio Easy VHS to DVD Plus Plus is the best solution yet for preserving your cherished VHS recordings. You can easily transfer video from VHS, CD or other analog tape to your computer, where you can burn it directly to a DVD, reformat it for playback on a wide range of hand-held devices, or create a digital archive.

We’ve also included software to help you digitize your LP collection and create disc labels.

This guide explains how to connect your VCR to your computer, how to use the included capture device, and how to burn VHS video onto a DVD.
What you get: Software

Easy VHS to DVD Plus comes with two great Roxio applications:

**Easy VHS to DVD Plus**— Use this application to transfer video from VHS tape directly to a DVD or convert the videos to digital files. You can also convert your vinyl LPs to digital music files. Enhance recordings and save them in many of the most popular music formats.

**Roxio MyDVD** — Roxio MyDVD is an easy disc-creation program that lets you turn your videos into professional-looking multimedia disc projects, complete with image-rich menus and music.
What you get: Hardware

Easy VHS to DVD Plus includes the USB device you’ll need to convert VHS tapes.

**Roxio Video Capture USB** — Plug this device into a compatible USB port on your computer.

**SCART adaptor (Europe only)** — This adaptor converts the SCART out connection on the VCR to standard RCA audio and composite video.

*Top: The Roxio Video Capture USB device.*

*Below: The SCART adaptor.*
Minimum system requirements

? Microsoft® Windows 10, 32- or 64-bit; Microsoft® Windows 8 or Microsoft® Windows 7 Home Premium, Windows Vista® Home Basic (SP1), Windows® XP (SP3 for 32-bit, SP2 for 64-bit)

? 1.6 GHz processor and 512 MB RAM, or the minimum requirements of your computer’s operating system, whichever is higher

? DirectX 9 compatible graphics card or higher, sound card, DVD-ROM drive

? 2 GB of free hard drive space for installation

? Windows Media Player 10 or newer

? DVD writer to burn DVDs

? Internet Explorer 7 or newer

? One available USB 2.0 port

? Minimum screen resolution of 1024-by-768
Installing the software

1. Insert the installation disc into a compatible drive on your computer or double-click the installation file that you downloaded to your computer.

2. If the Windows AutoPlay dialog opens, click on the Easy VHS to DVD Plus icon.

   For discs, if the AutoPlay dialog does not open, open My Computer and double-click on the drive icon containing the Roxio Easy VHS to DVD User Guide installation disc.

   Note: As you install the software, one or more Windows message boxes may appear asking for your permission to proceed. Please give your permission at each step to complete the installation.

3. Follow the on-screen instructions to install your software. When you are asked to enter a Product Key, enter the serial number printed on the paper sleeve that came with your installation disc.

4. When asked, restart your computer to complete the software installation.
Connecting a VHS player to your computer

To connect a VHS player:

1. Connect the Roxio Video Capture USB device to a USB 2.0 compatible port on your computer.

2. Connect a composite or S-Video cable between the Roxio adapter and Video Out of a VHS player.

*Note: You must use a SCART Out adaptor to connect to European VHS players.*
3. Connect an audio cable between the Roxio adapter and Audio Out of a VHS player.

User Supplied Audio Cable

VCR

User Supplied Audio Cable

Note: You must use a SCART Out adaptor to connect to European VHS players.
Converting VHS tapes

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Converting VHS tapes with Easy VHS to DVD Plus

Easy VHS to DVD Plus can be used to convert VHS or other analog tapes directly to DVDs or digital files. For more information, see the Help within the application.

Transfer a VHS tape to a DVD or digital file

1. Start Easy VHS to DVD Plus by double-clicking the Easy VHS to DVD Plus icon on your computer desktop.
2. Click Video.
3. Click Start a new project.
4. Insert your first VHS tape. Fast-forward or rewind the tape to the position where you want to begin recording.
5. In the Video Name box, give your recording a title.
6. Optional: Set the recording duration. If you know the exact duration of the current video, just type it in. If not, enter an approximate value that you know to be slightly longer than the video duration.
7. Press the Play button on your VCR.
The video appears in the Easy VHS to DVD Plus preview window.

8 Click the Record button.

9 If you set a recording duration, Easy VHS to DVD Plus will stop recording automatically. If not, click the Stop button when you are done recording.

Your video appears in the Video List. Now you are ready to record the next clip.

10 If you want to record another video, in the Add Video area, click the Record Video button.

11 Insert the next tape in your VCR, or reset the current tape to the desired starting position.

12 Repeat steps 5-11 until you have completed recording the clips you want.

13 After recording your final clip, review the video list. Use the Remove buttons to delete any clips you do not want to keep.

14 Click Next to go to the Export tab.

15 Choose an export option from the Devices area.

16 If you choose File, set the Quality slider, and click the Export button.

17 If you choose DVD, do the following:

? Enter a DVD Title.

? Select Add Menu, click Change Menu to choose a menu style. Optional: You may change the menu’s aspect-ratio to widescreen (16:9) by selecting File > Preferences.

? In the Select a Destination Drive, choose the drive that has the recordable DVD inserted.
(Optional) In the Video List, click the Link buttons between clips to choose transition options.

Select the AutoFit or Span option.

18 Do one of the following:

- If you want to save to an ISO file, click the Export to DVD ISO (you do not need an optical drive for this option).
- If you selected an optical drive, and have a recordable DVD inserted, click the Burn button.
Converting LPs and audio tapes

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Converting LPs and audio tapes with Easy VHS to DVD Plus

Easy VHS to DVD Plus can also be used to convert your tapes and vinyl albums to digital audio files.

To convert LPs or audio tapes:

1. Connect a stereo receiver to your computer using the Roxio Video Capture USB device.
2. Launch Easy VHS to DVD Plus by double-clicking its desktop icon.
3. From the Home screen, click Audio.
4. Choose Start a new project.
5. In the Add Audio area (bottom right corner), click the Record Audio button. In the Capture From drop-down menu, select Line (Roxio Video Capture USB).
6. To optimize the recording volume, play a loud portion of your LP or tape and click Auto.
7. If this is your first time converting an LP or tape, we suggest that you click Options. Here you can select:
   - a destination for your files
   - file format and quality settings
   - the length of silence needed before a new clip is created
8. Reset your LP or tape to the desired starting position.
9. Start playing the LP or tape.
10. Click Record.
11. When you are done recording, click Stop.
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Editing audio

Easy VHS to DVD Plus lets you record, preview, and modify any supported and non-copy-protected digital audio file (including WAV and WMA files). You can use Easy VHS to DVD Plus to import (record) audio from analog sources, including LP records and tapes, then apply audio effects to improve and enhance your recorded audio. Finally, you can save your audio tracks for use in other Roxio projects or burn them directly to audio CDs.

When working on an audio project, you can:

? Add audio files stored on fixed or removable drives, copy audio tracks from CDs, or record audio from analog sources such as LP records and tapes. For more information, see Adding audio clips on page 22.

? Edit your clips and choose from a wide range of effects to apply to either the entire project or a part of the project (for example, adjust the volume or balance, remove “crackling” sounds from audio files, or add dramatic effects to your music). For more information, see Editing and applying effects on page 25.

? Export your clips and tracks into standard audio formats or quickly burn your music to disc (for enjoyment on your home or car stereo, or on a portable music device). For more information, see Completing projects on page 43.
Getting to know the audio window

The audio window provides an easy-to-use interface for adding audio clips to your project, editing your audio clips (improving quality or applying effects), and exporting your audio to a file or burning it to a disc.

1. Clip Editor
2. Zoom controls
3. Task area
4. Mute/Unmute
5. Volume
6. Track position
7. Enable/Disable Repeat Mode
8. Playback controls
9. Section length
10. Balance controls
Audio project file format (.dmse)

Audio projects are stored in DMSE format. The project file stores:

- references to the audio files included in the project
- information about effects and changes applied to these audio files
- information about how the audio files are organized into tracks and layers

Because changes to the audio files are stored separately from the files themselves, you can easily undo them. For example, if you apply an effect to a specific part of the waveform, you can remove that effect later.

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**Note:** When you save an audio project in another format, such as WAV, your edits are flattened and combined, and you can no longer undo changes.

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DMSE files are not suitable for sharing, as they contain references to audio files, but not the audio files themselves. If you share a DMSE file with another user (who must also have Easy VHS to DVD Plus), you must also share all referenced audio files, and the audio files must be in the same folder structure as they are on your computer.

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**Getting started with audio projects**

An audio project is a collection of the following components:

- **Audio clip**: An audio file which contains a song, a part of a song, or a short repetitive sound, such as a drum beat. You can add audio clips from various sources to your Sound Editor project. For more information, see *Adding audio clips* on page 22.

- **Track**: An audio clip or part of a clip. You can export a track as a track on an audio CD, or as an audio file. For more information, see *Exporting audio clips* on page 44 or *Exporting sets of tracks or audio clips* on page 45.
Working with audio projects typically involves the following steps:

1. Add an audio clip to your project.
2. Improve the quality of the audio clip and apply special effects using the Clip Editor. For more information, see *Editing and applying effects* on page 25.
3. Repeat step 1 and step 2 to add and enhance additional audio clips.
4. Add track separators so you can create an audio CD with multiple tracks, or so you can save your tracks as separate audio files. For more information, see *Adding or deleting track separators* on page 31.
5. Export your project to a file or to an audio CD. For more information, see *Completing projects* on page 43.

**Starting projects**

**To start a new project:**

? Choose **File > New Project**.

**To open an existing project:**

1. Choose **File > Open Project**.
2. Browse to the file you want to open, select it, and click **Open**.
Adding audio clips

A Easy VHS to DVD Plus audio project is a collection of audio clips. You can add audio clips from various sources, improve their quality and add special effects.

You can add audio clips in any of the following ways:

- Add audio files stored on your hard disk or on a removable storage device. For more information, see Adding audio files on page 22.
- Copy audio tracks from CD. For more information, see Adding tracks from audio CDs on page 23.
- Record audio from analog sources, such as a microphone, LP records, or tapes. For more information, see Converting LPs and audio tapes with Easy VHS to DVD Plus on page 14.

Adding audio files

With Easy VHS to DVD Plus, you can add digital audio files to a project from your hard disk, or from a removable storage device.

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**Note:** You can only add files in formats supported by Roxio Easy VHS to DVD Plus. When you browse for files to add, only files with supported formats are visible.

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To add audio files to your project:

1. To insert an audio file into an existing audio clip in your project, select the audio clip in the Project View area.
   
   In the Clip Editor, click to move the playback cursor to the location at which you want to insert the audio file.

2. In the task area, under Add to Project, click Add Audio File. The Media Selector window opens.

3. In the Media Selector window, browse to and select the desired files.
Tip: For more information about the Media Selector views, click Help on the Media Selector window.

4 Click OK.
The selected audio file appears in the Clip Editor.

Adding tracks from audio CDs

To add tracks from audio CDs to your project:

1 Insert the CD from which you want to copy tracks into your CD drive.

2 In the task area, under Add to Project, click Import from CD/DVD.
The Media Selector dialog box opens.

3 In the Browse area, click the drive containing the audio CD.

4 In the Track View page on the right, select the tracks you want to import, and then click OK.

   Tip: To select multiple tracks, hold down the Ctrl key while you click the tracks to be imported.

The Import from CD/DVD dialog box appears.

5 In the Import Settings box, select one of the available formats. To define your own combination of settings, including alternate file format, encoder type, bit rate, and file location, select Custom and click Options (see the following step).

6 Optional: To define custom settings, click Options. The Output Settings dialog box appears. For more information, click Help in the dialog box.

7 In the Save To box, enter the folder in which the tracks will be saved.

8 Click Save.
The tracks appear as audio clips in the Clip Editor.
Copying tracks from DVDs
You can copy audio tracks into your Sound Editor project from DVDs.

To add tracks from DVDs to your project:

1. Insert the DVD from which you want to copy tracks into your DVD drive.
2. In the task area, under Add to Project, click **Import from CD/DVD**.
3. The Media Selector dialog box opens.
4. In the Browse area, click the drive containing the DVD.
5. In the DVD View page on the right, browse to the movie and chapter containing the audio you want to capture. Select the movie or chapter, and then click **OK**.

   **Tip:** To select multiple chapters, hold down the **Ctrl** key while you click the chapters containing the audio to be imported.

   The Import from CD/DVD dialog box appears.

6. In the Import Settings box, select **Keep original format** to use the format in which the file is currently stored on the DVD, or select one of the available formats. To define your own combination of settings, including alternate file format, encoder type, bit rate, and file location, select **Custom** and click **Options** (see the following step).

7. **Optional:** To define custom settings, click **Options**. The Output Settings dialog box appears. For more information, click **Help** in the dialog box.

8. In the Save To box, enter the folder in which the tracks will be saved.

9. Click **Save**.

   The selected audio appears as an audio clip in the Clip Editor.

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**Note:** Tracks cannot be imported from copy-protected DVDs.
Editing and applying effects

You can use Sound Editor to make changes to audio clips. Not only does Sound Editor let you save your recorded audio to any other supported file format (similar to converting audio file formats), it also lets you edit and enhance your audio clip using the available audio effects and editing tools.

Selecting the waveform region to edit

You can apply an edit or effect to an entire audio clip or to a selected part of a clip. To edit or add audio effects to your clip, use the playback buttons or the Zoom buttons to identify the part of the waveform that you want to edit. When you find the region that you want to edit, select it using one of the following methods:

To select all tracks:

? Choose **Edit > Select All**.

To select a single track, use one of these methods:

? In the task area, under Project View, expand Tracks, and click a track.

? To select the track immediately following the currently selected track, choose **Edit > Select Next Track**.

? To select the track immediately preceding the currently selected track, choose **Edit > Select Previous Track**.

To select a clip:

? In the task area, under Project View, expand Clips, and click a clip.

To select a part of a waveform, use one of these methods:

? In the Clip Editor, click and drag your mouse cursor from the beginning of the selection to the end. Your selection is highlighted on the waveform.

? If you have inserted markers into the waveform, you can select the area between the markers. In the Clip Editor, right-click the section
of the waveform you want to select, and choose **Select Area Between Markers**.

**Basic editing**
You can delete, copy, or move a clip or part of a waveform.

**To delete a clip or part of a waveform:**
1. Select the clip or waveform region you want to delete. For information on how to select a waveform, see *Selecting the waveform region to edit* on page 25.
2. Choose **Edit > Delete**.

**To copy a clip or part of a waveform:**
1. Select the waveform region you want to copy. For information on how to select the waveform, see *Selecting the waveform region to edit* on page 25.
2. Choose **Edit > Copy**.
3. Move the playback cursor to the location to which you want to copy the waveform region, and choose **Edit > Paste**.

**To move a clip or part of a waveform:**
1. Select the waveform region you want to move. For information on how to select the waveform, see *Selecting the waveform region to edit* on page 25.
2. On the Clip Editor toolbar, click **Cut**.
3. Move the playback cursor to the location to which you want to move the waveform region, and choose **Edit > Paste**.

**To undo the last edit step:**
? Choose **Edit > Undo**.

**To redo the last edit step that was undone:**
? Choose **Edit > Redo**.
Removing or inserting silences
You can easily remove or insert silences to further refine your Sound Editor project.

To remove silences:
1. Select the silent area on the waveform by clicking and dragging from the start of the silent area to the end. For more information, see Selecting the waveform region to edit on page 25.
2. To preview your selection, use the playback controls (Play, Stop, Previous marker/track, Next marker/track).
3. To remove the silent area, choose Edit > Delete.

To insert silences:
? To insert a silent area into the waveform without overwriting it, complete the following steps:
   a. Click in the waveform to move the playback cursor to the place where you want to insert the silence.
   b. Right-click and choose Insert Silence.
   c. Specify the length of the silent area.
      The waveform moves to the right. The silent area appears in the Clip Editor.

? To overwrite a portion of the waveform with a silent area, complete the following steps:
   a. Click and drag in the waveform to select the section that you want to overwrite with the silent area.
   b. Right-click the selection and choose Insert Silence.
      The selected area of the waveform is replaced with a silence of the same length.
Adjusting volume or balance

With Sound Editor, you can quickly and easily adjust the volume and balance of your audio clip, and apply fading effects.

To adjust volume:

1. Select the region on the audio clip where you want to adjust the volume. For information on how to select the waveform, see Selecting the waveform region to edit on page 25.

2. On the Clip Editor toolbar, click Fading & Volume, and choose Adjust Volume.

   The Volume Fading dialog box appears.

3. In the Volume Fading dialog box, drag the sliders to adjust the volume of the selection:

   ? **Fade from:** To increase the volume at the beginning of the selection, drag the slider up.
   
   To decrease the volume at the beginning of the selection, drag the slider down.

   ? **Fade to:** To increase the volume at the end of the selection, drag the slider up.
   
   To decrease the volume at the end of the selection, drag the slider down.

4. Click OK to apply your changes.

5. To preview your changes, use the playback controls (Play, Stop, Previous marker/track, Next marker/track).

   **Tip:** If you are not satisfied with the effect, click Fading & Volume, and choose Reset Volume Envelope to undo your changes.
To adjust balance:

1. Select the region on the audio clip where you want to adjust the balance. For information on how to select the waveform, see Selecting the waveform region to edit on page 25.

2. On the Clip Editor toolbar, click Fading & Volume, and choose Adjust Balance.

   The Balance Fading dialog box appears.

3. In the Balance Fading dialog box, drag the sliders to adjust the balance of the selection:
   - **Fade from**: To move the balance at the beginning of the selection to the left speaker, drag the slider up.
     To move the balance at the beginning of the selection to the right speaker, drag the slider down.
   - **Fade to**: To move the balance at the end of the selection to the left speaker, drag the slider up.
     To move the balance at the end of the selection to the right speaker, drag the slider down.

4. Click OK to apply your changes.

5. To preview your changes, use the playback controls (Play, Stop, Previous marker/track, Next marker/track).

   ![Playback Controls]

   Tip: If you are not satisfied with the effect, click Fading & Volume, and choose Reset Balance Envelope to undo your changes.

To apply fading effects to the beginning and end of a waveform:

1. Select the waveform region to which you want to apply the fade in and fade out effect. For information on how to select the waveform, see Selecting the waveform region to edit on page 25.
2 On the Clip Editor toolbar, click **Fading & Volume** and choose **Fade In and Out**.

3 In the Fade In and Out dialog box, specify the length of the fading effect in seconds.

   For example, if you set the fade in/fade out time to five seconds, the volume fades from zero to full volume in the first five seconds of the waveform selection, and fades from full volume to zero in the last five seconds of the selection.

**To apply a fade in to a waveform:**

1 Select the waveform region over which you want the volume to fade from zero to full volume. For information on how to select the waveform, see *Selecting the waveform region to edit* on page 25.

2 On the Clip Editor toolbar, click **Fading & Volume**, and choose **Fade In**.

**To apply a fade out to a waveform:**

1 Select the waveform region over which you want the volume to fade from full volume to zero. For information on how to select the waveform, see *Selecting the waveform region to edit* on page 25.

2 On the Clip Editor toolbar, click **Fading & Volume**, and choose **Fade Out**.
Adding or deleting track separators
You can use Sound Editor to add track separators to or delete them from your recording. For example, if you intend to play your recording as a playlist, or burn it to disc, you will want to easily identify the tracks and navigate them with your player.

**Tip:** To make editing easier, maximize the Sound Editor window for a higher resolution display of your audio waveform.

To add track separators:

1. Play your recording to determine where you want to place a track separator.
2. When the playback cursor reaches that location, click **Add a new track separator**.
3. Repeat Steps 1 and 2 for each track separator you want to add.
4. To check the placement of your track separator, listen to your recording by playing it from the beginning, and then clicking the **Next marker/track** and **Previous marker/track** playback controls to advance to the next track break.
5. If you are not satisfied with the location of the track separator, reposition it by dragging the track break flag to move it to the desired location.
6. **Optional:** Rename and tag the tracks by right-clicking the track on the Track Bar and choosing **Edit Track Info**.
The Edit Audio Tags dialog box appears. For more information, click Help in the dialog box.

To delete a track separator:
1. Select the track separator that you want to remove.
2. Click Remove the currently selected track.

For more information about markers, see Adding or deleting markers on page 32.

Adding or deleting markers
You can use Sound Editor to add markers to your recording, or to delete them. A marker identifies a specific time in a track. Use markers to denote points of interest to which you may want to jump.

To add markers:
1. Play your track to determine where you want to place a marker.
2. When the playback cursor reaches that location, choose Tools > Add/Remove Marker.

The marker appears above the waveform.
3. Repeat Steps 1 and 2 for each marker you want to add.

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**Note:** To navigate markers and track separators in your project, click the Next marker/track and Previous marker/track playback controls to advance to the next marker.

For more information about track separators, see Adding or deleting track separators on page 31.

To delete a marker:
? Click on the marker that you want to delete, and choose Tools > Add/Remove Marker.
Cleaning audio clips

Sound Editor lets you remove noise common to analog audio sources such as records and tapes. You can also enhance your audio clip in many ways, including adjusting the equalization or bass, brightening the sound, or applying “de-clicking” effects to clean up audio recorded from scratchy vinyl LPs.

**Note:** When previewing the effects applied to your audio clip, you can select the Bypass option, which lets you preview the audio clip without the effects. This is helpful if you want to compare how the audio clip sounds with and without the effect.

To clean audio clips:

1. Select the portion of the audio clip that you want to clean.

   **Tip:** Because the cleaning effects are “layered” on top of each other as you apply them, we recommend that you play the enhanced audio clip each time you apply an effect, and adjust it before applying another effect.

2. On the Clip Editor toolbar, click **Clean up Audio**.

3. Choose any of the following commands:

   **Tip:** You can also right-click the selection on the waveform to apply an effect.

   - **Clean:** Helps remove noise typically found in recordings from vinyl records. Apply settings in any one or more of the following areas:
     - **Declicker (Intensity):** The intensity of distinct clicks
     - **Decrackler (Intensity):** The intensity of “crackling” sounds common to records
     - **Denoiser (Threshold):** The threshold of hiss and rumble
     - **Noise (Intensity):** The intensity of hiss and rumble
Enhancer: Lets you enhance sound in one of the following areas:

- **Bass**: Select this option to enhance the bass.
- **Excite**: Select this option to make the sound more bright.

Equalizer (10-band) with Master Volume: Lets you boost or cut the amplitude (volume) for ten bands of sound frequencies. The Equalizer effect also includes a master volume control to let you increase or decrease overall sound output level. To link the left and right stereo channels for master volume control, select **Link channels**.

You can choose any of the following presets:

- **Custom**: Adjusts the frequencies manually. Working with custom presets is mostly trial-and-error, unless you know the frequencies of the sounds you want to adjust. It may be easier to notice your changes when adjusting one frequency at a time.
- **Reset**: Resets the frequencies to the default values.
- **Attenuate**: Reduces the volume of the middle of the wave.
- **+Bass**: Increases the volume of low frequency sounds.
- **+Treble**: Increases the volume of high frequency sounds.
- **+Voice**: Increases the volume of human voices.
Correcting the DC offset
In some audio clips, the zero point of the waveform may not be aligned at zero. (This is a limitation of the sound card.) The DC offset can result in distortion when you edit the recording. Sound Editor allows you to correct the DC offset.

To correct the DC offset for an audio clip:

1. In the Project View area, select the audio clip for which you want to correct the DC offset and choose Edit > Properties.
2. In the Clip Properties dialog box, select the Adjust DC Offset check box and click OK.

Changing the channels of a stereo signal
You can modify the channels of a stereo signal—flipping channels, playing only the right channel or the left channel, or playing either the right channel or the left channel on both channels. You might want to use this feature if:

- your audio clip only contains one recorded channel, but it is not a mono recording. You might want to play the single channel on both the right and left channels.
- your audio clip contains a dual audio channel, recorded from the television, which has a different language on each channel. You might want to play only one channel, so that you hear only one language.
- your audio clip has a different instrument on each channel (or instrumental music on one channel and vocal on the other), and you want to listen to only one instrument, or to just the instrumental music.

To change the channels of a stereo signal:

1. In the Project View area, select the audio clip for which you want to change the channels, and choose Edit > Properties.
2. In the Clip Properties dialog box, click the Channel control drop-down list, and choose an option. The options allow you to determine how the left and right stereo channels are played back.
Enhancing audio clips with effects
In Sound Editor you can apply audio effects to entire audio clips, or to selected areas of audio clips.

You can enhance your audio clip in many ways, including adding an interesting processed sound to your audio, or you can simulate the sound of an older analog recording being played from vintage audio equipment.

Note: When previewing the effects applied to your audio clip, you can select the Bypass option which lets you preview the audio clip without the effects. This is helpful if you want to compare how the audio clip sounds with and without the effect.

To enhance audio clips with effects:
1. Select the portion of the audio clip to which you want to apply an effect.
   
   Tip: Because the audio effects are “layered” on top of each other as you apply them, we recommend that you play the enhanced audio clip each time you apply an effect, and adjust it before applying another effect.

2. On the Clip Editor toolbar, click Sound Effects.

3. Choose from the following effects:
   
   Tip: You can also right-click the selection on the waveform to apply an effect.

   • Alienizer: Lets you add a fun and dramatic effect. Adjust the Alien 1 and Alien 2 controls in combination for a range of metallic and “alien” effects.

   • DeVoicer: Lets you remove voice from music. This feature is most effective when removing a single voice. It may not be possible to remove highly produced and mixed vocals.
? **Digital Hall:** Simulates your music being played in an enclosed venue by using various levels of sound reverberation and echo. Select **Box, Room, Church,** or **Cathedral** to simulate any of these environments. Adjust **Room Size** by dragging on the graphic image of the box, room, church or cathedral.

? **Maturizer:** Simulates the sound of older, “mature,” analog recordings, such as scratchy LPs or noisy audio tapes played from vintage audio equipment. Apply settings in any one or more of five areas: **Noise, Hum, Crackle, Click,** and **AM Radio.**

? **Mono to Stereo:** Creates a simulated stereo signal from a mono signal.

? **Normalize:** Sets the volume of clips to a consistent level. Before using this effect, go to the Mix Editor (if available), select all the clips in a layer, and click **Join Clips.**

? **Parametric Equalizer (4-band) with Master Volume:** Lets you boost or cut the amplitude (volume) for four frequency bands. You can adjust the bandwidth and the center frequency of each of the four bands. This effect also includes a master volume control to let you increase or decrease overall output level.

? **Pitch:** Lets you adjust the pitch of the audio without affecting the speed. Level 0 is the original pitch. To adjust it, move the slider up or down.

? **RoboVoice:** Similar to the Alienizer, RoboVoice also adds an interesting “processed” sound to your audio. Adjust the **Harmonize** and **Metallize** settings to lend a decidedly robotic flavor to your playlist. Check **Spread** to subtly alter the effect.

? **Stereo Enhancer:** Lets you adjust the amount of separation between the left and right channels of a stereo signal.
Installing new sound effects
Sound Editor supports VST (Virtual Studio Technology) sound effects. Once the effects are installed on your computer, you can select them from the Sound Effects menu on the Clip Editor toolbar.

If the VST sound effect comes with an installation program, use that program to install the sound effect. If it does not, use the following procedure:

**Note:** Some VST plug-ins may not be compatible with all versions of Windows; be sure to check with the plug-in developer.

Only install plug-ins from a trusted source. Corel assumes no responsibility for problems caused by plug-in installation.

We recommend that you log in as Administrator when installing VST plug-ins.

**To install a VST plug-in:**

1. In Roxio Easy VHS to DVD Plus, click **Sound Effects** and choose **VST > Add VST effect**.
2. Browse to and select the VST file, and click **Add**.

**Note:** VST sound effects are implemented as .dll files, but they may be distributed as archives (such as .zip files). Extract them from the archive before installing.

The VST effect is added to the list of Sound Effects.

**Tip:** When you delete the effect from your computer, it is removed from the list.
Using the Mix Editor

The Mix Editor allows you to arrange your clips in *layers*. A layer is one or more audio clips, arranged sequentially. You can arrange up to eight layers simultaneously, over-dubbing and blending them to add voice to music tracks or to create audio mixes and fun projects. You can play back all layers simultaneously, to produce a mix.

Using the Mix Editor for basic editing

Using the Mix Editor, you can add audio clips in a specific location on a specific layer. You can also copy and paste mixes (the combined content of all layers).

Adding audio clips in the Mix Editor

**To add an audio clip:**

1. Select the layer in which you want to insert the new clip.
   
   **Tip:** To add a new layer below the current layer, click **Add layer below**.

2. Click the position at which you want the new clip inserted.

   **Note:** You must select a location that does not already contain a clip.

3. Add the audio clip in one of the following ways:
   - To add an audio clip stored on your computer, in the Tasks area, click **Add Audio File**.
To import audio tracks from a disc, click **Import from CD/DVD**.

To record an audio clip, click **Record Audio**.

**Copying mixes**

**To copy a mix:**
1. In the Mix Editor, click on the timeline and drag over the section of the mix that you want to copy.
2. Right-click the selection and choose **Copy Mix**.
3. Move the playback cursor to the location where you want to paste what you have copied, and choose **Edit > Paste**.

**Arranging audio clips**

Once you finish adding audio clips to your Sound Editor project, you can use the Mix Editor to arrange them in layers. Then, you can play your mix to see how the combined layers sound.

**To arrange audio clips:**
1. In the Mix Editor, select the audio clip you want to move.
2. Click and drag the audio clip until you have placed it into the desired position.
3. To preview your project, use the playback controls (**Play, Stop, Previous, Next**).

4. **Optional:** Repeat Steps 1 to 3 for each audio clip that you want to move.
Joining audio clips
Follow this procedure to merge two or more audio clips into one in the Mix Editor.

**To join multiple audio clips:**
1. In the Mix Editor, press **Ctrl** and click the audio clips that you want to join.
2. On the Mix Editor toolbar, click **Join Clips**.
3. The audio clips appear connected on the same layer in the Mix Editor.

Splitting audio clips
Follow this procedure to split one audio clip into two.

**To split an audio clip:**
1. In the Mix Editor, select the audio clip that you want to split into two.
   
   The audio clip appears in the Clip Editor.
2. Use the playback controls to move the playback cursor to the position at which you want to split the clip.
3. On the Clip Editor toolbar, click **Split Clip**.

Exporting mixes
Sound Editor lets you export an entire mix from your project to a variety of popular file formats.

**To export a mix:**
1. In the task area, under Export, click **Export Mix**.
   
   The Export Mix dialog box appears.
2. In the Output Settings box, select one of the available formats. To define your own customized settings, select **Custom** and click **Options** (see the following step).
3 **Optional:** To define custom settings, click **Options.** The File Format dialog box appears. For more information, click **Help** in the dialog box.

4 In the Save To box, specify the folder in which you want to save the files, or click **Browse** to search for a folder.

5 In the File name box, specify the name of the exported file.

6 Click **Export.**
Completing projects
When you finish making changes to your Sound Editor project, you have several options:

? Save your project to a Sound Editor project format. For more information, see Saving Sound Editor projects on page 43.

? Flatten your project (combine all of the edits and enhancements into a single audio file) and save it.

? Export an audio clip to a single file. For more information, see Exporting audio clips on page 44.

? Export a set of tracks or audio clips to multiple files. Sound Editor lets you export each track or audio clip from your project to a separate file. For more information, see Exporting sets of tracks or audio clips on page 45.

? Burn your tracks or clips to audio CDs. If you have too many tracks to fit on one audio CD, Sound Editor will automatically span them across multiple CDs. For more information, see Burning tracks or clips to audio CDs on page 46.

Saving Sound Editor projects
Sound Editor lets you save your work to a Sound Editor project file (DMSE), so you can continue working on it later. The DMSE format preserves all of the information about the audio clips, tracks, and layers used in your project.

For more information about the Sound Editor project format, see Audio project file format (.dmse) on page 20.

To save your project:

1. Choose File > Save Project.
   
   If this is the first time you are saving your project to a file, the Save As dialog box appears.

2. Choose the folder in which you want to save the project, specify the file name, and click Save.
Flattening audio clips
When you edit your audio clips—adding effects, adding fading, or adjusting the balance, for example—the changes are not applied to the clips, but are stored separately. This allows you to easily undo the changes if you change your mind.

If you are happy with the changes you have made to the audio clip, you can integrate them into the audio clip by flattening the clip. When you flatten an audio clip, Sound Editor does not replace the existing clip with the changed clip, but creates a new copy of the audio clip, with the edits applied.

To flatten an audio clip:
? Select the audio clip and choose **Edit > Flatten Clip**.

Exporting audio clips
Sound Editor lets you export audio clips from your project to a variety of popular file formats.

To export an audio clip:
1 In the task area, under Export, click **Export Current Clip**.
   The Export Current Clip dialog box appears.
2 In the Output Settings box, select one of the available formats. To define your own customized settings, select **Custom** and click **Options**.
3 In the Save To box, specify the folder in which you want to save the files, or click **Browse** to search for a folder.
4 In the File name box, specify the name of the exported file.
5 Click **Export**.
Exporting sets of tracks or audio clips
Using Sound Editor, you can export a set of tracks or audio clips. Each track or clip is saved as a separate file.

To export a set of tracks or audio clips to separate files:
1. In the task area, under Export, click **Export Tracks/Clips**. The Export Tracks/Clips dialog box appears.
2. In the Export Tracks/Clips dialog box, choose one of the following options:
   - **Use Tracks from Project**: Select this option if you want to export each track from your project to a separate file.
   - **Use Clips from Project**: Select this option if you want to export each audio clip from your project to a separate file.
3. Select the tracks or audio clips that you want to export.
4. To preview your selection, use the playback controls (**Play**, **Stop**, **Track/Clip Position**).
5. In the Output Settings box, select one of the available formats. To define your own customized settings, select **Custom** and click **Edit** (see the following step).
6. In the Save To box, specify the folder in which you want to save the files, or click **Browse** to search for a folder.
7. **Optional**: To preserve the volume of the audio in the mix, clear the **Maximize volume before exporting** check box.
   The total volume of an audio mix is made up of the individual layer volumes.
Note: Unless you manually adjust the layers’ volume, the more layers you have in the mix, the lower is the volume of each individual layer.

Selecting this option renders the entire mix, and then maximizes the volume of the resulting audio to ensure the loudest sound, while avoiding audio distortion.

8 **Optional:** To rename and tag the tracks, click **Edit Audio Tags**.
The Edit Audio Tags dialog box appears. For more information, click **Help** in the dialog box.

9 Click **Export**.
Roxio Easy VHS to DVD Plus exports each selected track or clip.

**Burning tracks or clips to audio CDs**

To burn tracks or clips to an audio CD, follow these procedures:

1 Insert a blank CD into your recorder.

2 In the task area, under Export, click **Burn Audio CD**.
The Burn Audio CD dialog box appears.

3 In the Burn Audio CD dialog box, choose one of the following options:
   - **Use Tracks from Project:** Select this option if you want to burn tracks from your project to disc.
   - **Use Clips from Project:** Select this option if you want to burn audio clips from your project to disc.

4 Select the tracks or audio clips that you want to burn.

5 In the **Disc Size** box, select the size of your audio CD.

6 **Optional:** To add more information about your disc, click **Audio CD Settings**.
The Audio CD Project Settings dialog box appears. For more information, click **Help** in the dialog box.
7 **Optional:** Rename and tag the tracks by right-clicking the track on the Track Bar and choosing **Edit Track Info.**

The Edit Track Info dialog box appears. For more information, click **Help** in the dialog box.

8 Click **Burn.**