What do you need help with today?

**Removing trial restrictions**
Activate Movavi Video Suite to save videos without a watermark and remove all restrictions.

**Recording screen**
Capture any fragment of your screen or the full desktop.

**Capturing video**
Record video from a camera.

**Editing video**
Create a movie from videos and photos.

**Cutting video**
Cut video files into multiple files or cut out scenes.

Need more help?
Write to us at support@movavi.com
Or click here to open live chat.
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Buy Activation Key
Click the button below to buy an activation key. After the purchase is completed, the key will be delivered to you via e-mail.

Open the Activation window
Open the Movavi Video Suite launcher and click the Activate button.

Activate the program
Enter your activation key and click Activate.

Activating without Internet access

Step 1: Click the button below to buy an activation key. After the purchase is completed, the key will be delivered to you via e-mail.

Step 2:
• Open the Movavi Video Suite launcher and click the Activate button.
• Or launch any application in Movavi Video Suite, then open the Help menu and select Activate Software.
Step 3: Enter your activation key and select the **Activate offline** option. Then, click **Activate**.

Step 4: In the next window, click **Copy** and transfer this information to a computer or device with an Internet connection.

Step 5: When you have access to the Internet, paste the information you copied into a new e-mail and send it to reg@movavi.com. You should receive a reply within an hour. Copy the **registration key** from the reply and transfer it to the computer with Movavi Video Suite.
Step 6: Return to the window with offline activation. If you’ve closed the window, repeat steps 1-3 and enter the same activation key you used before. Then, paste the registration key into the box and click Activate.

Getting an activation key

To activate Movavi Video Suite, you will need an activation key. You can buy an activation key from our official website or from any of our partners, and it will be delivered to you via e-mail.

1. On the Movavi Video Suite launcher, click Buy or use the button below. Click the Help menu if you are already in the process or recording or editing.

2. On the purchase page, click the Buy Now button next to the type of license that you need.
   • If you’re a home user, choose the Personal License.
   • If you’re planning to use Movavi Video Suite for work, business, or government organizations, choose the Business License.

3. Fill in your billing information and enter a valid e-mail address. IMPORTANT! We will send the activation key to this e-mail address, so please make sure it is entered correctly.

4. After you’ve completed your payment and your request has been processed, you will receive a confirmation e-mail from support@movavi.com with your activation key.

   If you haven’t received your activation key:
   • Check the Spam folder of your mailbox
   • Contact support

Trial limitations

When you first start your copy of Movavi Video Suite, it will be running in LIMITED TRIAL MODE. In trial mode, you can try out all of the main features, but the following trial restrictions will apply:
**TRIAL VERSION**
- Movavi Video Suite will stop working after 7 days
- A watermark with the words 'trial version' will be added to all output videos
- Capture time is limited to 5 minutes per video
- You can only convert half of each audio file and half of each video if you use SuperSpeed mode

**FULL VERSION**
- Lifetime license
- No annoying watermarks
- Unlimited capture time
- Unlimited video and audio conversion
- Free updates
- Discounts on other Movavi products and upgrades

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**Launcher**

The interface of Movavi Video Suite is divided into three main regions: **features** menu, the **Favorites** board and **Spotlight**.

- The **Spotlight** section offers the latest news, interesting articles, and helpful tutorials.

- The **Favorites** board allows you to add the functions you use the most to begin working right after the program starts. To add a new feature, simply click the plus button and select the feature you’d like to set up quick access to.

Now it will be shown on the quick access board. To remove a feature, click the three dots button and then click **Remove from favorites**.

- The **features** menu consists of Tools and Extras.
The **Tools** are sorted according to the media type you want to work with:

- **In the Video** tab, you can choose to edit, convert, trim or watch a video, as well as record your screen and capture TV or VHS-signal.
- **The Audio** tab offers to convert, record, play and even burn your music to a CD or DVD.
- **In the Photo** tab, you’ll also be able to convert pictures as well as make a slideshow with music and transitions.
- **The Data** tab will help you import an AVCHD video, burn a disc or copy one.

The **Extras** section offers you more content to enhance your videos:

- **In the Stock Content** tab you can get additional sets of special effects as well as stock video clips, audio tracks, and images.
- **The Applications** tab will offer you more programs for working with different kinds of media and documents.
- **The Online Courses** tab features video clips and online video courses which you may use to get more professional and creative in terms of video making.

Clicking the **Favorites** button will take you back to the quick access board.

**Edit video**

Using the Movavi Video Suite, you can create your own movies using the media files you have on hand. To open the Video Editor app, click **Video** on the **Tools**. Then click **New Project** on the **Edit video** tab.
How to use the Editor?

**Step 1: Add media**
Add videos, photos, and music to your video project.

- Open captured videos in the Editor
- Record video
- Record audio
- Arrange files chronologically

**Step 2: Edit video**
Edit and enhance the video clips to make your video just the way you like it.

- Cut and split video
- Rotate clips
- Crop the frame
- Apply cool filters

**Step 3: Join clips with transitions**
Drag-and-drop transitions from the Video Editor’s extensive collection to join clips with fun animations.

**Step 4: Annotate your video**
Get your thoughts across with sound and text.

- Record a voice-over
- Add text titles

**Step 5: Save your video**
Export your project to a common video format.

- Save for devices
- Save for uploading online

Activating and installing packages
Expansion packages are sets of additional content, which include transitions, titles, stickers, backgrounds, and music. The packages help you achieve your creative goals, broaden your freedom of expression, and save time choosing the right artistic tools.

**Acquiring a package**
1. Go to Movavi Effects Store. You can also find this this link in the Help menu > Movavi Effects Store. Or by clicking a cart icon in effect, transition, title or sticker collections.
2. On Movavi Effects Store web-page choose and purchase the packages you like. After the purchase is processed you will receive an e-mail with an activation key, a link to download the package, and an instruction on how to install it.

**Installing a package**
1. Click the link you received with the e-mail and download the package.
2. When the download is finished, open the package as you normally would open your project: double-click the file or drag and drop it in the Video Editor. The program will run the installation process.

3. In the **Installing Package** window click **Install** and follow the instructions on the screen.

![Installing Package](image)

**Activating a package**
1. Copy the activation key from your e-mail.
2. Paste it in the in the **Activating Package** window.
3. Click **Activate**.

![Activating Package](image)

Wait until the installation is finished. The new elements will appear in the corresponding categories. The categories with the new elements will have a yellow dot on them and the elements will be marked with the **NEW** label.

**Cannot install or activate the package? Make sure that:**
• The Video Editor you have installed on your system supports the packages;
• You use the key that was sent to you after the purchase of a package and there are no additional symbols after the key;
• You have enough free disk space to install the package.

**Quick Video mode**

You can use the **Montage Wizard** to automatically build a video for you in minutes. All you need to do is provide the Wizard with some video clips or photos, choose a music track, and let the Wizard cut and build the video for you. You can also use the Montage Wizard to make slideshows.

1. Click **Quick Video** to open the Wizard.

![Quick Video](image)

2. On the **Files** tab, click **Add Files** or drag and drop your files over the window. To remove files, click the **X** in the upper right-hand corner of each file, or select the files you want to delete and click **Delete Selected** on the bottom panel.
3. Switch to the Templates tab or click Next.
4. Choose a theme or a transition template.
   - No transitions template does not add any transitions to your video, but your pictures will still have a Pan and Zoom effect applied by default.
   - Transitions template puts some kind of smooth transitions between the slides.
   - Theme template uses the sample music tracks, a set of different transitions for each of the themes and various title styles.
5. Switch to the Music tab or click Next.
6. Add music. Choose from the built-in tracks* or add music of your own. You can also add more than one track.
   *The audio tracks are royalty-free so you can upload these videos to YouTube and other services.
7. Switch to the Preview tab or click Next.
8. Customize the opening and ending titles, change text and click Apply.
9. Under the Advanced tab make other necessary changes.
   - Video duration
     You can set your video to be the same length as the audio by selecting the Fit to music length option or use the slider to set how long you want the video to be. If you opt for a shorter video, some clips may not appear in the end result.
   - Fill black bars
     If the resolution of the project and the files you’ve added to the video are different, black bars will appear. You can remove them by checking the Fit to frame option – the image resolution will be automatically fitted to the frame size.
   - Volume balance
By bringing the upper slider to the right end you will turn the volume of the added video up to maximum. And by bringing the bottom slider to the right end, the volume of the background audio track will have its maximum volume.

**Arranging clips**

If you have a lot of pictures and want to change their order in the video, click the **Shuffle** button. The Wizard automatically mixes your files and puts them in a different order.

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**Tip:** You can also set a desired order of appearance of your files by returning to the **Files** tab and dragging the file icons in a desired order.

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10. Watch the finished video in the player on the **Preview** tab and switch to the **Export** tab.
11. Select what you want to do next with your video:
   - **Save the video** – save the video to your disk.
   - **Continue editing** – add final touches to your video by adding effects, more titles, animation and more.
   - **Upload online** – save the video to your disk and upload it to YouTube, Vimeo, Google Drive or Movavi Cloud.
12. To save the video, choose a video format and pick a folder to save the video file.
   - If you’re uploading the video to YouTube, sign in with your YouTube account and fill in the details about your video. Then click **Start** to begin saving the video.

Learn more: [Exporting videos](#) | [Uploading to YouTube](#)

**New Project mode – quick start**

How to make a movie from scratch

In this mode you can use all the tools that the Video Editor has to offer and create professional-looking videos without complicated software.

You can create a new video by creating a [new project](#) or a [quick video](#).

1. In the **File** menu select [Create New Project](#).
2. Add media files that will make up the video. Click Add Files or drag and drop your files over the import area.
3. Change the clip layout on the Timeline, crop images, cut videos, using the toolbar.

4. Add effects, transitions, titles, and more by changing the tabs on the left-hand side of the screen.

5. To add items to the project, drag them to the Timeline.

6. Save your video:
   1) Click the Export button.
   2) Choose file format.
3) Name the video, select a folder to save the video to and set the quality.
4) Click Start and wait until the processing is finished.

![Screenshot of the Video Editor interface]

Make sure to save your work once in a while: choose Save from the File menu to save the project so that you can access it later.

Creating and managing projects

How to create, save, and open projects and finished videos
A project keeps all the work on your video or slideshow. You can save the project to finish your work later, or restore your work if you need to edit something after you've finished. A new project is created automatically when you start working on a video.

Creating a new project
1. On launching the Video Editor you can start making a video right away.
2. To start a new project while working on another project, go to the File menu and select Create New Project or Create Quick Video.

Saving projects
1. Go to the File menu and select Save Project. Or use a keyboard shortcut Ctrl+S.
2. Name your project. All projects are stored in the “<НЕ ЗАБЫТЬ>: Задайте значение переменнойProjects” folder of your user.
3. Click Save.

You can later open the project file and continue working on it. To avoid losing your editing progress, make sure to save your project every once in a while. To save a project, open the File menu and select Save Project.

![Screenshot of saving a project]

After that, you can save your project as a file in the *.mepx format on your computer and open it later to continue editing your movie.

Viewing videos
Project files cannot be viewed in a regular video player, and can only be opened with Movavi Video Editor. To view the final video in a player, you need to first export your project to a common video format. Learn how to export your project

Opening projects
1. Open the File menu and select Open Project.
2. Find the project file, select it and click Open.

You can also open projects in several different ways:
A. Find your project in Explorer and drag it onto the Video Editor window or double-click it.
B. In the Import area click Add Files and select find your project.

Media use
When you add files to a project, Movavi Video Editor uses the original file for reference as you edit the movie. To save your disk space, Movavi Video Editor does not make copies of the files, but rather remembers the location and name of the original file, so if you move or delete the files, they will also disappear from the project.

Because all of your editing work is done in the project, your original files are not edited in any way, and you do not need to make reserve copies.

**How can I play my project?**

Project files cannot be viewed in a regular video player, but can only be opened with Movavi Video Editor, Movavi Screen Capture Studio, or Movavi Video Suite. To view the finished work in a player, you need to first export your movie to a common video format. [Learn how to export your project](#)

**Appending a project**

If you work on a big project, you might want to separate it into several smaller ones for a more convenient editing process. Then, to combine them back together, append other projects to the major one.

1. Open a project or create a new one.
2. Open the **File** menu and click **Append Project**.
3. In a new window, find and open the project you want to combine with your current project. The project you append will be added at the end of all other clips in the current project.

**Adding media files**

**How to add photos, videos, and music**

To begin working on your video project, you first need to add some media files. Use your own files or any of the built-in media.

**Add your files**

1. On the **File import** tab click **Add Files**.
2. Select the files and click **Open**. They will appear on the **Media bin** tab.
3. From the **Media Bin** tab drag and drop the files onto the Timeline. You can remove the selection of all files by clicking on an empty space within the bin area, or by selecting a single file.

**Add built-in media**

1. On the **Import** tab select the type of media you want: *sounds, music, sample video* or *backgrounds*.
2. Switch to a tab.
3. Click the file icon to download and see it or to listen to it.
4. Choose a media file and drag it onto the Timeline to add to the project.
Arrange the files
Once you’ve added the files, they will appear on the Timeline at the bottom of the window. The Timeline allows you to arrange the clips in the order you want. To reorder the clips, select the clips you want to move and drag them to the new position.

See also:
Working with video
Working with audio

Creating an intro
Intro videos are specifically designed short video clips that use visual elements and text and can be edited or customized. If you don’t know where to start in making a unique intro, you can use the ones that are already made and pre-installed into the program. You will only need to change the text.

Create a new intro
1. In the Titles collection go to Intro videos.
2. Find the New intro clip and drag and drop it onto the Timeline.

Edit the intro
1. Click on the clip and the Timeline will switch to the intro editing mode.
2. Add your own media files (video, audio or pictures), effects, titles and other. Work as if you’re working with a usual project, but keep in mind that your making a special introductory video.

*Before you start editing, delete the instruction clip that the new intro contains.

Save changes
Click on the toolbar to save changes and go back to the main editing mode.
To save the intro and use it in other projects, select the intro clip and click \[\text{Play}\]. The intro will be saved with all the other items in the collection. You can edit the intro at any time while working on the project.

**Preview and organize clips**

Use the player in the upper right-hand part of the window to preview your project.

**Current position**

Your current playback position can be controlled using the position marker under the player and on the Timeline.

For precise positioning:

- To move in 0.5 second increments, open the Playback menu and choose **Skip Forward by 0.5 Seconds** (Shift+Ctrl+Right) or **Skip Backward by 0.5 Seconds** (Shift+Ctrl+Left).
- To move precisely from frame to frame, use the **Previous frame** (Ctrl+Left) and **Next frame** (Ctrl+Right) buttons in the player. This will move the position marker exactly one frame backward or forward.
- Use the **Scale** slider to zoom in on the Timeline to make positioning easier.

**Playing the video**

1. Move the position marker to where you want to start playback.
2. Click **Play** or press the **Space Bar** key.
3. Click the **Pause** button or press the **Space Bar** again to pause playback.

**Arranging clips**

By default, media files will appear on the Timeline in the same order in which you've added them. To rearrange the clips, drag them with your mouse and drop them onto the desired position. To select multiple clips, use **Ctrl+click** or click and drag to draw a selection on the Timeline.
Working with two monitors
If you have more than one monitor, you might want to detach the player into a separate window to have more room for editing. To do that, click the **Unpin player** button under the player:

The player will then open in a separate window. When you want to return the player back into the main window, click the **Pin player** button in the detached player or close the player window.

Timeline tracks
The Timeline at the bottom of the window is your working area where you can organize and edit the clips that make up your video project. The Timeline consists of several tracks for different types of media, that are all synchronized against the time scale at the top. You can imagine the tracks as layers: the uppermost layer appears on top of all others. With the exception of the video track, you can layer several clips on each of the tracks to make your video more dynamic.

Adding tracks
With the Timeline that allow work with multiple tracks, you have only three tracks available at the start. To work with several video, audio and title tracks at the same time, find a **Plus** button at the upper left-hand corner of the Timeline. Select the track you want to add and click it. You can then customize the Timeline: change the order of the tracks, hide the content of a track and link tracks to the video track or detach them.

Video track
The video track holds videos, pictures, and the transitions between them. You can also place titles, callouts and stickers on the video track if you want them to appear against a black background.

Overlay track
You can use the overlay track to show videos and images on top of the main video track. Simply drag the clips from the main video track up onto the overlay track. Overlay clips are linked to a corresponding clip on the main video track. This way, they will stay in sync even of you move or cut the video clip.
Learn more: Creating overlays

**Title track**
The title track holds all of your text clips, as well as callouts and stickers. Clips on this track are linked to a corresponding clip on the main video track. You can’t use transitions or effects on any of these clips, but you can animate them.
Learn more: Titles | Callouts | Stickers

**Audio track**
The independent audio track is the very last track of the Timeline and it contains audio that is *not* linked to any clips on the video track. This track is most suitable for background music and clips that don’t need to be synchronized to videos. Both audio tracks show waveforms that visualize the volume throughout the clip, so that you can easily find the quietest and loudest parts. You can also fine-tune the volume using volume curves.
Learn more: Volume curves

**Linking and detaching tracks**
Tracks can be linked to the video track or detached from it. Linking tracks allow synchronized editing and provide overall control and comfortable work with the many clips you might have on the Timeline. Moving a clip on the video track will also move all the clips on the linked overlay, title, and audio tracks and your composition of the files will remain intact. Clips on the detached tracks are independent of each other.

To link or detach a track, click the chain icon at the beginning of a track.

**Hiding and muting tracks**
If you want to see how your project looks without some clips, you can disable separate clips or entire tracks.

**Hiding clips**
To hide a clip from view, right-click the clip and choose Hide Clip from the pop-up menu. The clip will not appear in the player or on the finished video until you re-enable it.

**Muting clips**
To disable a clip’s sound, right-click the clip you want to mute and select Mute Clip from the pop-up menu. The clip will not play in the player or on the finished video.
Disabling tracks
• To hide an entire track from view, click the eye icon to the left of the track you want to hide.
• To disable the sound for an entire track, click the speaker icon to the left of the track.

Zooming the Timeline
To change the zoom level of the Timeline, drag the Scale slider at the bottom of the window. Move the slider left to zoom out, and move the slider right to zoom in on the Timeline.

Edit and enhance clips
Arrange, edit and enhance clips with the tools that you can find on the toolbar and on the More tab.

In a table below see what tools you can use on clips and how to apply them.
<table>
<thead>
<tr>
<th>Action</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Split</td>
<td>Set the position marker on the Timeline where you want to separate your clip and cut it.</td>
</tr>
<tr>
<td>Rotate</td>
<td>Turn the clip clockwise.</td>
</tr>
<tr>
<td>Crop</td>
<td>Set on the player the space you want to keep and cut the borders.</td>
</tr>
<tr>
<td>Adjust color</td>
<td>Make the necessary color changes using presets or set them manually.</td>
</tr>
<tr>
<td>Turn the sound up or down</td>
<td>Click Clip properties and use the Volume slide to change audio loudness.</td>
</tr>
<tr>
<td>Normalize the video sound</td>
<td>Select the Normalize checkbox in the Clip properties to make the sound smoother.</td>
</tr>
<tr>
<td>Change video speed</td>
<td>Click Clip properties and use the Speed slide to make the video faster.</td>
</tr>
<tr>
<td>Reverse the video</td>
<td>Select the Reverse checkbox in the Clip properties to play the clip from the end to the start.</td>
</tr>
<tr>
<td>Change opacity</td>
<td>Move the Opacity slide to make the clip transparent.</td>
</tr>
<tr>
<td>Change clip length</td>
<td>To change the clip length move the borders of the clip on the Timeline or use the Speed slide to make the clip faster.</td>
</tr>
<tr>
<td>Make clip fade in or out</td>
<td>Use the Fade in and Fade out slides to make the clip appear and disappear smoothly.</td>
</tr>
</tbody>
</table>

**Edit videos and images**

Photos and videos aren't always perfect from the beginning. Use the buttons on the toolbar to fix and adjust the clips.

**Picture in picture and overlays**

To overlay one video or image on top of another, select the clip you want to show on top and drag it up, towards the top of the Timeline to create an extra overlay track. Then, double-click the upper clip to set up where the overlay will be shown on the video.
Rotating videos and images

Nobody likes vertical videos! But don’t worry, in just a few clicks, you can turn any photo or video around without having to crane your neck.

Rotating by 90 degrees
1. Select the clip you want to rotate
2. Click the Rotate button on the toolbar to rotate the clip by 90 degrees clockwise. Click the button again to rotate the video more.
Learn more: Removing black bars

Fixing the horizon level
1. Select the clip on the Timeline.
2. Click the Crop button on the toolbar.
3. Use the Angle slider to slightly rotate the clip inside the frame, until the horizon is level with the guides in the player.

Cropping video
Cropping a video can help you remove black bars, cut away the edges of the video, or permanently zoom in onto an object inside the frame.

1. Select the clip on the Timeline.
2. Click the Crop button on the toolbar to open the Crop tool, and a cropping frame will appear inside the player.
3. In the player, set the frame so that the parts you want to cut are outside it. Drag by the corners of the frame to change its size, and drag by the center of the frame to move it.

Use the **Angle** slider in the **Crop and Rotate** section on the left to rotate the crop frame.

4. Click **Apply**. A star icon will appear on the clip once you've applied cropping.

**Removing crop**

1. Click the star icon on the clip to show the list of applied effects and filters:

2. A tab will open above the toolbar. Find the **Crop** effect and click the **cross** button next to it to discard the effect.

**Color adjustments**

1. On the Timeline, select the clip that you want to adjust.
2. On the toolbar, click the color adjustments button to open the adjustments tool.
3. Select **Easy** mode to use color presets for quick and simple adjustment.

Or select **Advanced** mode to set your own settings.

- If made your own adjustments to the image and want to save them for future use, click **Save Adjustments** and name your preset. The new preset will appear on the **Auto Adjustments** tab.
Once you have used the adjustments, the clip will be marked with a star icon, denoting applied tools or filters:

Video speed

Speed up or slow down a video or audio clip with the Speed slide. This can be useful if you're working on a music video and you want the video to match the tempo of the music.

1. On the Timeline, select the clip you want to edit.

   Note that slowing down videos works best on videos with a frame rate of 60 FPS (frames per second) and above. You can also change the speed of any audio clip. If you modify the speed of a video with built-in audio, the audio speed will also be changed.

2. Click the Clip Properties button to open the editing tools for the selected clip.

3. Drag the Speed slider to set the necessary video speed.
The clip's length on the Timeline will change to reflect the new speed. If you've changed video speed, the video clips will be marked with a star icon:

Reversing video
Reversing the video will play the clip and its audio backwards. You can combine reversing the video with increasing speed and the VHS filter to create a cool rewinding effect.

1. On the Timeline, select the clip that you want to reverse. You can reverse both video and audio clips.
2. On the toolbar, click the Clip Properties button to open the properties for the selected clip.

3. In clip properties, select the Reverse option.

When you apply reverse, the clip will appear with a reverse icon on top of it:

Image duration
You can change how long each image appears in your video or slideshow either using the clip properties or you can set all images to the same length.

Changing one image's length
1. On the Timeline, select the image clip that you want to edit.
2. Click the Clip Properties button to open the properties for the selected clip.
3. In the Duration box, enter the new length of the image. Use the following format: hours:minutes:seconds.milliseconds. Changes will be applied instantly.

You can also change image duration by selecting an image clip on the Timeline and dragging its borders left or right. The longer the clip appears on the Timeline, the longer it will play in your movie or slideshow.

**Setting the same length for all images**

To set all of the project’s images to the same length:

1. Click the Transition Wizard button on the toolbar.
2. In the Transition Wizard window, enter the preferred length into the Image slide duration box. If you don’t want to use transitions to join your clips, select No transitions in the box at the top.
3. Click OK to set all the images to the selected length.

**Fading video**

In the editing tools, you can add smooth fades to the beginning or the end of a clip. For videos and images, you can use fading simultaneously with animated transitions. For audio clips, you can create a smooth crossfade effect between songs.
1. On the Timeline, select the clip that you want to fade.
2. Click the **Clip Properties** button on the toolbar. The clip properties will open in the Tools panel above.

![Clip Properties](image1)

3. Set the fade length using the sliders on the **Video** tab.

   - **Fade in** – how long in seconds it will take to fade in to full opacity at the beginning of the clip.
   - **Fade out** – how long in seconds it will take to fade out from full opacity at the end of the clip.

![Fade Length Sliders](image2)

---

**See also:**
- [Adding transitions](#)
- [Fading audio](#)

### Creating overlays

**How to create picture in picture and split screen effects**

Overlays are video or image clips that are shown over the main video. You can use these to create a split screen or picture in picture effect, add a logo or watermark, create a Chroma Key effect, or insert a short clip without cutting the main video.

**Picture in picture and split screen effects creation**

1. You'll need to add both the main video (the video that will be the bottom layer) and the overlay video or image to your project. You can use images in PNG format to add transparent logos.
2. Select the clip that you want to make an overlay and drag it up, towards the top of the Timeline.
3. Drop the clip onto the **overlay track**, where you want it to be shown relative to the main video track. Note that a blue line now connects the overlay clip to the main clip. This means that the overlay clip is linked to the main clip: if you move, cut, or delete the main clip, the overlay clip will also be edited.
4. You can also layer several overlays at once!

![Overlay Tracks](image3)

4. Double-click the overlay clip to set it up. An options panel will appear in the player.
5. Open the drop-down box on the overlay panel and choose how you want it to appear on the video.
Picture in picture
This is the default overlay mode. Using picture in picture mode, you can show the overlay video over any part of the screen. This also works for logos.
1. Choose Picture in picture mode from the drop-down box.
2. In the player, move the overlay to where you want it to appear in the frame.
3. To resize the overlay, drag at its corners.
4. Deselecting the Constrain proportions option will allow you to resize the overlay to any proportions, but a drastic change in proportions may make the overlay look distorted.

Side by side
Side by side mode works best for creating split screens.

Choose Side by side mode from the drop-down box. You can set the selected clip on the left, right, top or bottom part of the screen using corresponding Side by side effect.

Overlap
In Overlap mode, the video on the overlay track will cover the main video completely. This can be used for a whole bunch of things:
• For videos with transparent areas.
• Cutting out the background with the Chroma key effect Learn more: Chroma key
• Inserting a short clip over the main video without having to cut it.

Adding a watermark
Adding a watermark to your videos will protect your ownership even if it’s shared all over the Internet. You can add an image overlay with your own watermark or logo, or make a new one using text.

Image watermark
1. On the Import tab, click Add Files and add the image or video that you want to use as the watermark. For the best look, use images with transparent areas.

2. Drag the watermark clip up to the overlay track to make it appear on top of other videos.

3. Double-click the watermark clip to edit the overlay, which you can move and resize in the player.

4. To change the opacity or duration of the watermark, click the Clip Properties button.

5. To set the opacity use Opacity slide in the properties. To make the watermark show over the whole length of the video, enter your project length into the Duration box, or drag the right edge of the overlay clip until the end of the video track.

Text watermark

1. Click the Titles button on the left and pick a nice title style for your watermark.

2. Drag the titles you like onto the beginning of the Titles track at the top of the Timeline.

3. Double-click the titles and enter your watermark text. Pick a cool font and color on the panel above the player. Click Apply when you're done.

4. To make the watermark show over the whole length of the video, drag the right edge of the text clip until the end of the video track.

If your movie is long, zoom out on the Timeline to make changing clip length easier.
Creating a freeze frame
A freeze frame is a single frame of a video that repeats for some time, creating an illusion of pausing the video. You can use freeze frames to emphasize a moment or create a pause to explain things to the viewer.

1. Move the position marker over the frame of the video that you want to freeze. To skip by precisely one frame at a time, use the Previous frame and Next frame buttons under the player.

2. Once you're on the right frame, open the Edit menu or right-click on the clip and choose Insert Freeze Frame from the menu.

3. By default, a new freeze frame is four seconds long. To change the duration, drag the edges of the clip to make the clip shorter or longer. Learn about changing image duration
Removing black bars

Sometimes, when you use videos of different aspect ratios, or if the project is set up incorrectly, some videos may have black bars around them. You can remove black bars from videos using one of the ways below.

**Use filter**

1. On the Timeline, select the clip with black bars around it.
2. Click the **Filters** button on the left sidebar to open the Filters tab.
3. Find the **Vertical fill filter** in the **Adjustments** group and drag it onto the clip.
   
   Learn more about filters

**Manual crop**

If black bars appear only on one or several clips, you can cut off the edges to make the video fit better inside the frame.

1. On the Timeline, select the clip with black bars around it.
2. On the toolbar, click the **Crop** button.
3. A frame will appear in the player. Set this frame on the part of the video that you want to keep. Parts that are outside the frame will be cut off.
4. In the Tools tab on the left, click **Apply** to accept the changes.
   
   Learn more about crop
Fading effects

Make effects and filters fade in using the overlay track.

1. Copy the clip and paste it onto the Timeline.
2. Drag the copy of the clip on the track right above the original. Now you have two identical clips right on top of each other.

3. Double-click the clip on the overlay track and choose **Overlap** mode in the panel above the player.

4. Apply the effects or filters you want to use onto the upper, visible clip.
   Learn more: Applying filters

5. With the overlay clip selected, click the **Clip Properties** button and select **General** settings. There, use the **Fade in** and **Fade out** sliders to set the fading time. Here you can also set **Opacity** if you want to reduce the effect’s strength for the whole clip.
The clip with the effect will gradually appear and disappear, exposing the underlying original clip.

**Adding and editing audio**

**Add an audio**
1. To add music or other sounds to your project, open the **Import** tab.
2. Select **File import** category.
3. Click **Add Files** or just drag your files on the panel.

**Also you can use one of the built-in music or sound tracks:**
1. Click the **Music** or **Sound** category and take your pick from our royalty-free music collection.
2. Drag the tracks you liked on the Timeline.

**Edit an audio**
To edit the audio file, double-click the audio track, the settings panel will appear.

<table>
<thead>
<tr>
<th>The setting</th>
<th>What does it do</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume</td>
<td>Sets the volume of the clip.</td>
</tr>
<tr>
<td>Normalize</td>
<td>Makes quiet parts louder.</td>
</tr>
<tr>
<td>Speed</td>
<td>Makes the audio play faster or slower.</td>
</tr>
<tr>
<td>Fade in</td>
<td>The audio goes from complete silence to full volume in the time you set.</td>
</tr>
</tbody>
</table>
Recording audio

How to record an audio
1. Connect a microphone to your computer.
2. On the Timeline, place the position marker to where you want the recording to start.
3. Click the microphone button on the Import panel to open recording options.
4. Set up your recording device and volume.
5. Click Start Recording and record the audio.
6. When you’re finished, click Stop Recording. You’ll find the recording on the Timeline.

Set start time for audio clips
After you’ve added the audio files, they will appear on the audio track of the Timeline as green clips. To change when the audio clip starts playing, drag it along the Timeline, using the ruler at the top for time reference.

Extracting audio from videos
If you want to use a sound track from a movie, you can extract it from a video file and use it in your project.

On the Import tab, click Add Files and choose the video or just drag a video on the panel. The file will be added to the video track on the Timeline.
How to trim the parts of the video if you don't need to extract the whole audio track:

1. Move the position marker to the beginning of the fragment you want to keep and click the Scissors button on the toolbar. This way you will cut off the beginning of the video.
2. Now, move the position marker to the end of the fragment you need. Click the Scissors button again, and the fragment will now be in a separate clip. 3. If you don’t need the other fragments, select them on the Timeline and click the trash can button on the toolbar to delete them.

3. The audio that belongs to a video is shown right underneath it on the video track. To separate it from the video, drag the audio stripe down onto the audio track. If you don’t need the video clip anymore, just delete it.

You can now work with the extracted audio clip separately.

If you want to save the audio clip for later use, you can export it as an audio file:

1. Click the Export button at the top of the program.
2. In the Export window, switch to the Save Audio File tab.
3. Select an audio format.
4. In the Save to field you will see where on the disk the file will be saved by default. To change that folder, click Browse and select a new folder.
5. Finally, click **Start** to save the audio file.

---

**Please respect copyright laws and stay within the boundaries of fair use of copyrighted materials.**

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**Looping audio**

If the music file is shorter than your video, you can loop the audio and have the file play over again until the end of the video.

1. To copy the audio clip, right-click the audio clip on the Timeline, and choose **Copy** from the pop-up menu.
2. Paste the audio clip onto the Timeline right next to the first clip. The clip will be inserted right after the position marker. Repeat until the audio length is greater or equal to the video length.
3. Now, the audio track may be longer than the video track. To trim the audio, hold your mouse pointer over the right edge of the clip, and drag it to the left.

---

**Volume curves**

Volume curves allow to control the volume for each part of the clip and smoothly increase or decrease the volume.

Each clip has its own volume curve that starts out at 100% volume for the entire clip, and two points at its beginning and at the end. The white line on the image below is the volume curve before you add any points.

---

**Set the volume level**

1. Drag the white line up or down to the necessary level. The top of the clip is 100% volume and the middle of the clip is 50%.

2. Points on the audio curve represent the volume peaks and lows. To add a point, right-click on the audio curve and choose **Add Volume Point** from the pop-up menu.
3. Drag the audio point to the necessary volume level. You’ll notice that the surrounding parts also move with the point to make the transition smoother.
4. Make as many points as you need for each part of the clip where you’d like a peak or a drop in volume.

5. To set the volume level for a part of the clip, you’ll need at least two points. Create a point at the beginning and at the end of the fragment:

6. Create as many volume points as you wish to make a necessary effect.

---

**Linking audio**

To make audio clips to stay in sync with videos or images as you edit your project, link it to each other.

**To link an audio**

1. Select an audio clip on the audio track at the bottom of the Timeline.
2. Drag the track under the video clip you want it to link to.
3. On the left side of the Timeline click the Link button to create the connection between audio and video clips.
Fading audio
In the editing tools, you can add smooth fades to the beginning or the end of a clip and create a crossfade effect between audio tracks.

- **Fade in** – how long in seconds it will take to go from silence to full volume at the beginning of the clip.
- **Fade out** – how long in seconds it will take to go from full volume to silence at the end of the clip.

**Set up the fading effect**
1. Select the clip on the Timeline.
2. Click the **Audio Properties** button on the toolbar.
3. Set the fade length using the sliders on the **Clip Properties** panel.

Equalizer
Using the equalizer, you can boost or reduce the levels of specific frequencies.

**Set the equalizer**
1. Select the audio clip that you want to edit. This can also be a built-in audio clip on the video track.
2. Click **More** on the left sidebar and find **Audio Editing** to open **Equalizer**.
3. Choose an equalizer preset to set the effect quickly. If you want to set more advanced configuration drag the volume bars to adjust the frequencies to the necessary level.

4. To save your own equalizer presets for their further use, click the Save button. In the new window enter a preset name and click OK. The created preset will appear in the presets list.

Noise removal
1. Select the audio clip that you want to edit. This can also be a built-in audio clip on the video track.
2. Click More on the left sidebar and find Audio Editing to open Noise Removal.

3. Use the Noise suppression slider to set the amount of noise you want to remove.

⚠️ Don't set the noise suppression too high if there isn't much noise because it can start muting other sounds.

Audio effects

1. Select the audio clip that you want to edit. This can also be a built-in audio clip on the video track.
2. Click More on the left sidebar and find Audio Editing to open Audio Effects.
3. Click the box in the **Audio Effects** section and choose an audio effect you like.

**Removing effects**
When you've applied an audio effect to a clip, a star icon will appear on it:

Click on the star to see a list of applied effects. Then, select the effect you don't want and click the **cross** button to discard the effect.

**Beat detection**
To make your video more dynamic, use the **Beat Detection** audio tool to automatically mark audio beats on the Timeline and then adjust your video to the beat of the music.

1. On the Timeline, select the music that you want to detect beats for.
2. Click **More** on the left sidebar and find **Audio Editing** to open **Beat Detection**.
3. In the Beat Detection tool, click Detect Audio Beats. The program will analyze the music and place beat markers on the Timeline.

![Beat Detection Tool]

After the beat markers have been placed, you can modify their tempo. Use the Min time between beat markers slider to make the beat slower or faster.

4. Adjust your clips to the beat. When you trim or drag clips, they will now snap to the beat markers, making it easy to keep to the beat.

Removing beat markers
1. To remove beat markers for a specific audio clip, right-click the clip on the Timeline and select Remove Beats from the pop-up menu.
2. To remove all beat markers from your project, right-click the Timeline ruler and select Remove All Beats from the pop-up menu.

Add filters
1. Click the Filters button.
2. Choose All to see every filter in the collection or choose the specific category you need. To see the filter’s preview in the player, click on it.
To find a specific filter, enter its name into the search box above the filters. Click the heart icon to add the filter you liked to the Favorites group.

3. To add a filter, drag it onto the clip you want to apply the filter to.

You can apply a filter to several clips at once. Hold the Ctrl key, select the clips on the Timeline and drag a filter onto any of the selected clips. The filter will be applied to all the clips you've selected.

Once you've applied a filter, a star icon will appear on the clip, indicating applied filters and tools.

Remove filters
1. To see the list of applied filters and tools, click on the star icon on the clip.
2. In the list, find the filter that you want to remove.
3. Click the cross button to discard the effect.
Transitions are short animations that use geometric shapes and transparency to connect two clips.

**Add a transition**

1. Click the **Transitions** button on the left sidebar to open the list of all transitions. Click on a transition to preview it in the player.

2. Pick a style you like and drop it between two clips on the Timeline. Click the heart icon ⬇️ to add it to your favorites list if you like it.

A transition icon will appear between the two clips.
**Change transition length**

1. Double-click a transition on the Timeline to open transition properties.
2. Enter the new transition length in the **Duration** field. By default, each transition will be set at 2 seconds long. The format is **seconds:milliseconds**. If you want all transitions that are currently in the project to have the same length, select the **Apply to all transitions** option.
3. Click **OK** to apply the changes.

There are more options to fill the transitions with, such as:

<table>
<thead>
<tr>
<th>Trimmed content</th>
<th>If you’ve trimmed the video, the trimmed bits will appear during the transition. If the videos haven’t been trimmed, a freeze frame is shown.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freeze frame</td>
<td>A static frame is shown during the transition.</td>
</tr>
<tr>
<td>Slow motion</td>
<td>The part of the video overlapped by the transition is stretched to fill the entire duration.</td>
</tr>
</tbody>
</table>

**Remove a transition**

1. Right-click the transition on the Timeline and select **Remove Transition** from the pop-up menu.
2. If you want to delete all the transitions in your project, choose **Remove All Transitions**.
How to add text to your videos

1. Click the Titles button on the left side of the window to view the titles collection.
2. Click on a title style to preview it in the player and choose the titles you want to use. To add titles to your favorites, click the heart icon.
3. Pick a title style and drag it onto the title track of the Timeline. Put it right above the video track, onto the time where you want them to appear. You can link titles to the clip by clicking the link button on the left side of the title track, the titles will move with the clip. You can separate the titles from the clip with the help of the same button.

Edit titles
To change the titles, double-click the title's clip on the Timeline. The setting panel will appear.

<table>
<thead>
<tr>
<th>The setting panel tabs</th>
<th>What can you set</th>
</tr>
</thead>
<tbody>
<tr>
<td>Text</td>
<td>You can choose the title style and add the outline by selecting this option.</td>
</tr>
<tr>
<td>Clip</td>
<td>Change the duration and animation speed of the title.</td>
</tr>
<tr>
<td>New Preset</td>
<td>Create a new preset with your personal settings and save it for further use. Your title will appear in the My titles collection.</td>
</tr>
<tr>
<td>Color</td>
<td>Choose an object on the player and change its color.</td>
</tr>
</tbody>
</table>
A timer

Add a timer
1. Click the Titles button on the left sidebar to open the list of available text styles.

2. Find the “Timer” title style. Use the search bar or click the Basic group to filter the styles.
3. Drag the Timer titles onto the title track of the Timeline. To change the length of the timer, drag the edges of the clip.

Edit the timer
To open the timer settings, double-click the timer clip on the Timeline.

<table>
<thead>
<tr>
<th>The setting panel tabs</th>
<th>What can you set</th>
</tr>
</thead>
<tbody>
<tr>
<td>Text</td>
<td>You can choose the Timer style, add the outline by ticking this option, and change the color of the background.</td>
</tr>
<tr>
<td>Clip</td>
<td>Change the duration of the Timer.</td>
</tr>
<tr>
<td>New Preset</td>
<td>Create a new preset with your personal settings and save it for further use. Your Timer will appear in the My titles collection.</td>
</tr>
<tr>
<td>Timer</td>
<td>Select the format of the Timer or add the countdown on the video.</td>
</tr>
</tbody>
</table>
Stickers

Add stickers
1. Click the **Stickers** button on the sidebar to open the list of stickers.

- Click a sticker to preview it in the player. If you liked a sticker, click the heart icon to add the sticker to your favorites list.

2. Select the sticker and drag it onto the title track of the Timeline. All titles, callouts, and stickers go on the title track. Change the length of the sticker to make it fit the clip.

Edit the sticker
1. Double-click to open the sticker settings.
2. Select the duration of your sticker.
3. Click **Apply** to save the changes.
4. To change the sticker’s position on your video, double-click the sticker clip. In the player, drag the corner of the frame around the sticker to change its size, and drag the center of the frame to move the sticker. To rotate the sticker, click and drag the white dot at the top of the frame.

5. Click Apply when you’re finished.

Transitions cannot be applied to stickers, but you can animate them. Learn more: Animation

**Animation**

You can move objects any way you want and make creative appearances.

**Add animation**

1. Add the background onto the main video track.
2. Add the object you want to animate.

3. Click More and in the Video Editing choose Animation.
4. Select Easy mode to add quick and simple animation. To use the preset, just drag it on the clip.

To create your own unique animation, select Advanced mode.

**Advanced mode**
1. Select the clip you want to animate and place the position marker where you want your animation to be started.
2. In the Animation panel, click **Add Animation**.

3. In the player, you will see a frame appear around the object. Use it to set the position of the object.

On the Timeline, two points will appear on the clip. They are called *keyframes*. The first point is the original position of the object. The second point will be its end position after the animation. The distance between the two points determines the animation speed.

**Edit the keyframes**
On the Timeline, double-click a keyframe to edit it. This table will help you to achieve an awesome result:
<table>
<thead>
<tr>
<th>You want to</th>
<th>To make it happen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Move the object on the player</td>
<td>Use the frame of the object</td>
</tr>
<tr>
<td>Change the size</td>
<td>Drag the corners of the frame</td>
</tr>
<tr>
<td>Rotate the object</td>
<td>Drag the white dot at the top of the frame</td>
</tr>
<tr>
<td>Make it spin</td>
<td>Use the <strong>Angle</strong> box on the Animation panel</td>
</tr>
<tr>
<td>Make the object fade in or out</td>
<td>Use the <strong>Opacity</strong> slider on the Animation panel</td>
</tr>
<tr>
<td>Change the speed of your animation</td>
<td>Move the keyframe point on the clip:</td>
</tr>
<tr>
<td></td>
<td>• Move the points closer together to make the animation go faster.</td>
</tr>
<tr>
<td></td>
<td>• Move the points farther away from each other to make it go slower.</td>
</tr>
</tbody>
</table>

![Keyframe options](image1)

1. **Double-click**

2. **Move it**

3. **Keyframe options**

To add another keyframe, move the position marker to where you want to place it in the clip and click **Add Keyframe** on the Animation panel. If you add it between two existing keyframes, it will create an intermediate position.

![Add a new keyframe](image2)

**Reset a keyframe**
To make a keyframe go back to its original position, right-click the keyframe point on the clip and select **Reset Keyframe** in the pop-up menu.

**Remove keyframes**
1. To remove one keyframe, right-click the keyframe point on the clip and select **Remove Keyframe** in the pop-up menu.
2. To remove all keyframes and delete the animation, right-click any of the keyframe points and select **Remove All Keyframes**.

**Pan and zoom**
You can control the camera movement using two keyframes and smoothly move from one frame to another.

**Add the Pan and Zoom tool**
1. On the Timeline, select the clip that you want to zoom.
2. To open the Pan and Zoom, select **More** on the left sidebar and find the **Pan and Zoom** tool in the Video Editing.
3. Select one of the presets and drop it on the Timeline. To see how an effect works, select it and click Preview.

This will add two keyframes to the clip. The camera will move between these two keyframes and you can set up camera movements from one point to another.

4. To change the beginning keyframe, double-click the first point on the clip. Then, use the frame in the player to set the zoom level for the starting point of the camera movement.

5. To change the ending keyframe, double-click the second point on the clip. Then, use the frame in the player to set the zoom level for the ending point of the camera movement.

To change the length of the zoom effect, move a keyframe left or right. To move the zooming effect on the clip without changing its length or other settings, move it along the clip.

If you want to add more camera movements, repeat steps 2-4 to combine other camera movements in one clip. For example, you can zoom in on an object, pan across the frame with the same zoom level, and then zoom back out to 100%.

Add the Pan and Zoom effect to all the image clips automatically
1. Select necessary images on the Timeline.
2. Click Transition Wizard button on the panel above the Timeline.
3. Select the Pan and Zoom checkbox.
4. Click **OK** to apply the effect to the clips.

**Remove zoom**
To remove a pan or zoom effect, right-click a keyframe and select **Remove All Keyframes** to clear all zoom effects from the clip. To remove only the selected keyframe, select **Remove Keyframe**.

**Stabilizing video**
If you’re filming with a handheld camera, it’s likely that there might be some unwanted camera shake visible on the video, especially if you walk or move while filming.

**Stabilize a video**
1. On the Timeline, select the clip you need to stabilize. To the process shorter, you can cut the video into smaller segments.
2. On the left sidebar, click the **More** button select Stabilization from the pop-up list.
3. Click **Stabilize** to open stabilization options. The Stabilization window will open.
4. Set up stabilization with the following parameters:

<table>
<thead>
<tr>
<th>The setting</th>
<th>What does it make</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accuracy</td>
<td>Affects the analysis precision of the video.</td>
</tr>
<tr>
<td>Shaking</td>
<td>Sets how strongly the shaking is visible on the video.</td>
</tr>
</tbody>
</table>

To open the Advanced settings, click the Arrow button and set up stabilization with the following parameters:

<table>
<thead>
<tr>
<th>The setting</th>
<th>What does it make</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radius</td>
<td>When a video is stabilized, each object is adjusted using the pixels from the surrounding area. The radius affects how large that area will be. Use a smaller value for more dynamic videos to avoid mixing objects together and to preserve more detail.</td>
</tr>
<tr>
<td>Smoothing</td>
<td>Limits camera acceleration. Higher values work best for more or less static videos. Excessive smoothing may limit panning.</td>
</tr>
<tr>
<td>Edge Cropping</td>
<td>Eliminates distortion artefacts like blurred areas from the video. There are several options such as: • None: the edges will remain as they are. Best results if there is little shaking on the video. • Fixed: the video is cropped to one size to cut off some of the edges. • Adaptive: whenever there is a lot of shaking, the video will zoom in so that the distorted edges are not shown.</td>
</tr>
</tbody>
</table>

5. Click Stabilize to start processing the video. This may take a while depending on the length of your video and the selected parameters.

6. To save the result, click Apply and you will replace the clip on the Timeline with the stabilized video.

A stabilized copy of the file will be created under "My Videos\Movavi Video Editor\Stabilized". This copy will be used in the project. If you delete the stabilized copy, you will lose all the changes made.
If you don't have enough space to save the stabilized copy, you can free some disk space and try again, or save stabilized copies on another disk:
1. Open the Settings menu and choose Preferences.
2. Switch to the Files tab.
3. Find the "Store stabilized videos in" box and click the button on the right to choose another folder on a drive.
4. Click OK to accept the changes.
5. Try stabilizing the video again.

**Highlight and conceal**

This tool will help you to control the focus in the frame, and blur or darken parts of the video.

**Apply the Highlight and Conceal tool to the video**

1. On the Timeline, select the clip that you want to edit.
2. To open the **Highlight and Conceal**, click the More button on the left sidebar, and choose Highlight and Conceal in the Video Editing tab.

3. Choose **Conceal** if you want to hide an object, and **Highlight** if you want to make an accent on the object.

4. Choose a shape for the mask; you can use a **rectangular** or an **elliptical** one.
5. Choose a masking effect: **Blur**, **Matte** (black cover-up) or **Pixels**. Use the options below to set up the mask:
   - **Opacity** – makes the mask more transparent (for matte and blur);
   - **Feathering** – makes the edges of the mask softer (for matte and blur);
   - **Size** – changes the size of the pixels (for pixel masks only);
   - **Outline** – adds a white outline around the mask.
6. To change the size and shape of the mask drag its corners in the player, drag by the center of the mask to move it on top of the object.

If you want to cover up or highlight more than one object, click Add Mask at the top of the setting panel to create another mask.

7. Click Apply on the Highlight and Conceal panel to save the changes.
Chroma key
How to replace a video's background

The Chroma key effect allows you to remove any color from the image or video, leaving the background transparent.

Add Chroma Key
1. Add the video or image clips that you want to use as the foreground and the background.
2. Select the foreground video and move it up, onto the Overlay track.
3. Double-click the foreground video to open Clip Properties.
4. To make the foreground video completely cover the background video, select the Overlap mode.
5. On the left sidebar, click the More button and in the Video Editing list find Chroma Key.
6. Once you open the Chroma Key tool, move your mouse cursor over the player and click on the color that you want to remove. The color you've picked will become transparent.

Use more settings for the better result:

<table>
<thead>
<tr>
<th>The setting</th>
<th>What can you do</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tolerance</td>
<td>Set how many similar shades of the selected color should also be removed.</td>
</tr>
<tr>
<td>Noise</td>
<td>Choose how sharp the object’s edges should be.</td>
</tr>
<tr>
<td>Edges</td>
<td>Choose how thick the object’s edges should be.</td>
</tr>
<tr>
<td>Opacity</td>
<td>Set the transparency of the background</td>
</tr>
</tbody>
</table>

7. Finally, click Apply to accept the changes.

---

**Exporting videos**

When you're done with your project, you'll need to export it as a media file to be able to play it on the devices. This section will guide you through the process of exporting your project to a popular video format. If you want to find out more about other ways of saving videos, see the following guides:

- Saving videos for devices
- Uploading videos online

**Export a video**

1. To start saving the video, click the Export button under the player. The export settings window will open.
2. Choose a format for saving the video in.

Some formats allow you to choose between video codecs. If you don’t know which format to choose, try using **MP4**. The MP4 format is supported by most platforms and operating systems. At lower resolutions, the file will be significantly smaller, however, the video will lose some quality due to the limitations of digital data compression.

The **GIF** format is different from other formats in the list. It allows saving video as a mute animated image, which can then be played in some image viewing programs or in any web browser.

**Advanced settings**

If you want to change the resolution, aspect ratio, or other settings, click the **Advanced** button to view and edit the project settings.

If your project is heavy on small details and filters, you can select **High** or **Highest** quality to export the finished video with a higher bitrate. This will increase the output file size but will preserve better quality. For most other projects, **Good** quality will provide a nice result at a small file size.
3. Name your file and choose a destination folder.

In the 'Save to' field, enter the folder where you would like to store the file. By default, this will be the directory for saving output videos specified in the preferences. To set a different folder, click the Browse button and choose the folder in the Windows Explorer window, or enter the path manually into the box. Name your video in the Title field: the project’s name will be filled in for you by default.

4. Click the Start button to begin processing the video file. This may take up to a few minutes.

**Export only audio**

This section will guide you through exporting just the audio track of your project.

**Export an audio**

1. Click the Export button in the bottom right-hand corner of the Editor to open the export settings window.
2. Click on the **Save Audio File** tab in the left part of the Export window.

3. Select the format you’d like to save the audio in.

While **MP3** is the most commonplace format, supported by almost all media players and devices, **FLAC** format allows you to preserve high audio quality, albeit taking up considerably more disc space. When choosing an output format, it is important to note the quality of the original files: due to data compression limitations, digital audio cannot be restructured from very low quality files by saving them as **FLAC** audio, and vice versa – high quality files may lose some of that quality when saved to MP3 format which is limited to 320 Kbps.

4. Name your file and choose a destination folder.

   In the **Save to** field, enter the folder where you would like to store the file. By default, this will be the directory for saving output videos specified in the preferences. To set a different folder, click the **Browse** button and choose the folder in the Windows Explorer window, or enter the path manually into the box. Name your video in the **Title** field: the project’s name will be filled in for you by default.

5. Click the **Start** button to begin processing the video file.
Export for devices

This guide will help you export your video project for playing on mobile phones, tablets, and other devices.

1. Click the Export button under the player to open the export settings window.

2. In the left part of the Export window click on the Save for Devices tab.

3. Choose a format.

   On this tab you will find a number of different types of devices for which you can choose a format. You can choose between devices running iOS (iPhone, iPad, iPad mini) or Android, Samsung Galaxy S6 and Galaxy S7, Google Nexus 6 and Google Pixel, as well as Playstation and Xbox consoles. If your device is not on the list, choose Other.
You can select **High** or **Highest** quality to export the finished video with a higher bitrate. This will increase the output file size but will preserve better quality. For most other projects, **Good** quality will provide a nice result at a small file size.

4. Name your file and choose a destination folder.

   In the 'Save to' field, enter the folder where you would like to store the file. By default, this will be the directory for saving output videos specified in the preferences. To set a different folder, click the **Browse** button and choose the folder in the Windows Explorer window, or enter the path manually into the box. Name your video in the **Title** field: the project's name will be filled in for you by default.

5. Click the **Start** button to begin processing the video file. This may take up to a few minutes.

---

### Export for TVs

This guide will help you export your video project for playing on Smart TVs.

1. In the bottom right hand corner of the Editor, click the **Export** button to open the export settings window.
2. In the left part of the Export window click on the **Save for TVs** tab.

3. Choose your TV brand and the necessary resolution. If your TV is not on the list, choose **Other 1080p TVs** or **Other 4K TVs**.

💡 If your project is heavy on small details and filters, you can select **High** or **Highest** quality to export the finished video with a higher bitrate. This will increase the output file size but will preserve better quality. For most other projects, **Good** quality will provide a nice result at a small file size.
4. Name your file and choose a destination folder.

In the ‘Save to’ field, enter the folder where you would like to store the file. By default, this will be the directory for saving output videos specified in the preferences. To set a different folder, click the Browse button and choose the folder in the Windows Explorer window, or enter the path manually into the box. Name your video in the Title field: the project’s name will be filled in for you by default.

5. Click the Start button to begin processing the video file. This may take up to a few minutes.

---

**Uploading online**

After you finish your video, you can share it to YouTube, Vimeo or Google Drive right from the export window.

**Upload online**

1. Click the Export button to open the exporting window.

2. In the left hand part of the Export window click on the Upload Online tab.
3. On the Upload online tab select the service you would like to upload your videos to: YouTube, Vimeo or Google Drive.

4. Click **Sign in**. The authentication page will open in your browser. Sign in to your account and click **Allow** to let Movavi Video Editor Plus upload videos.

5. In the Export window, open the **Resolution** list and choose a resolution that suits your project.
1. Fill in the **title** and **description** for your video.
2. Add some **tags** to help users find videos by relevant topics. Separate tags with commas and add a number sign (#) before each one.
3. Choose a **category** to help viewers find relevant content.
4. Open the **Privacy** box and choose who you want to see the video:
   - **Private** – videos can only be seen by you and the users you choose.
   - **Public** – videos can be seen by and shared with anyone.
   - **Unlisted** – videos can be seen and shared by anyone with the link.
5. Click **Upload** to export your video.

**Upload to Google Drive**
1. Fill in the **title** for your video.
2. Select a Google Drive folder where you want your video to be uploaded. You can create new folders in your Google Drive storage straight in the export window.
3. Open the **Privacy** box and choose who you want to see the video:
   - **Private** – videos can only be seen by you and the users you choose.
   - **Unlisted** – videos can be seen and shared by anyone with the link.
4. Click **Upload** to export your video.

**Upload to Vimeo**
1. Fill in the title and description for the video.
2. Set the level of privacy:
   - **Anyone** – any person can watch the video.
   - **Only people I follow** – only people you're subscribed to can watch the video.
   - **Only me** – nobody, but you can access the video.
3. Select the resolution of the video and add tags.
4. Click **Upload** to export your video.
Save and upload the video
Before uploading, the video will be saved as a file on your computer.
1. To change where the video file is stored, click Browse and select a folder.
2. Click Upload to begin saving and exporting the video.

Editor preferences
To open the preferences:
1. Click the Settings menu
2. Select Preferences.

The Preferences window will open. The preferences are organized into tabs. Click on a tab to open the relevant options.
3. When you're done, click **OK** to close the window and apply the preferences.

**General preferences**

**Interface Language** – to change the interface language, simply select the necessary language from the list and click **OK** to apply the changes.

**Automatically check for updates** – select this option and you'll be notified whenever a new version is available. Updates within your version are absolutely free (e.g. 1.0 to 1.1), while new releases are offered with a hefty discount to registered users.

**I give consent to send anonymous usage stats to Movavi** – check this box to let the program send usage statistics to our development team and help us to fix all the problems in the program much faster. The data contains no personal information, will not be disclosed to third parties and will be used for software improvement purposes only.

**Use software OpenGL implementation** – this option can be useful if your computer doesn't support the necessary OpenGL version and you see an error message when you start the program.

OpenGL is a software interface that manages graphics output. Usually, OpenGL is handled by your graphics card driver. However, some graphics cards do not support the necessary version of OpenGL. For these graphics cards, you can use this option to download and install a software replacement. Installation will run automatically, but you will need an Internet connection to download the files.

If Movavi Video Editor runs without showing an OpenGL error message, this option is not recommended.

**Play notification sound when exporting is finished** – when saving a project as a media file, you'll be notified as soon as the process is completed.

**File preferences**

On the Files tab, you can find the options for storing and saving different kinds of files. You can change any of these folders to a different location.

**Save project files to** – a folder for saving and opening projects. This folder will also store any autosave files for new projects. You can use the autosave file to restore your work in case of an error or force close.

**Save output videos to** – a folder for exporting media files.

**Store audio recordings in** – a folder for the audio clips that you record in the Editor.

If you delete these audio files, the audio recordings in the project will also be unavailable.

**Store stabilized videos in** – a folder for a stabilized copy of the original when you stabilize a video.

Don't delete these files while you are working on the project, or you'll have to stabilize the files again.
Changing where the files are stored
Using a different folder might help if you don't have much disk space on your primary drive, or if you want to organize your media files in another way.

1. Click the button with three dots next to the folder you want to change.
2. A Windows Explorer dialog box will open. Choose the folder you want to save the files to.
3. Click Select Folder to use this folder.

Sharing preferences
On the Sharing tab of the Preferences window, you can manage your social network accounts for uploading videos.

To sign in:
1. Click Sign In. The authentication page will open in the browser.
2. Sign in to your account.
3. On the next page, allow Movavi Video Editor Plus to upload videos to your account.
4. Return to Movavi Video Editor Plus. Your name will be shown in the Preferences window.

**To sign out or use a different account:**
Click Sign Out. After this, you will need to sign in again to upload videos.

**Acceleration preferences**
If your computer is equipped with the necessary hardware, these options can help speed up encoding and decoding of media files, allowing you to save your movies much faster and enjoy smoother performance.
Enable Intel hardware acceleration
Accelerates video processing by up to 400% when working with H.264 and MPEG-2 video codecs.
This option is only available if your computer is equipped with an Intel processor that supports the Intel HD Graphics™ technology.

Enable NVIDIA hardware acceleration
With this option enabled, your NVIDIA graphics card will be used for processing H.264 and MPEG-2 videos and they will be saved up to 50% faster.
Because video processing is carried out by the graphics card, your CPU is free for other tasks, ensuring smoother performance in other programs.
This option is only available if your computer is equipped with an NVIDIA graphics card that supports this technology.

Compatible graphics cards
NVIDIA acceleration supports GeForce, Tesla and Quadro graphics card series. You can find the full list of supported GPUs on NVIDIA®'s official site: NVIDIA NVENC supported GPUs.

Enable AMD hardware acceleration
With this option enabled, you can use AMD’s graphics processing power for converting videos.
Using the graphics card instead of the processor leaves your CPU free for other tasks, and you can use your computer without stuttering while converting videos.
This option is only available if your computer is equipped with an AMD graphics card that supports this technology.

Fast Track HD Acceleration
Fast Track HD Acceleration provides smooth and fast program running. By enabling HD clips optimization in the Preferences menu you allow the video editor to create copies of the project files in a smaller size and then use them in the project instead of the original ones. To enable this feature you need to have free disk space, so the Editor can store and use the copies. Once you finish editing and begin export, high-quality files will replace all the temporary optimization copies.

Troubleshooting
If acceleration options are unavailable:
Your computer might not have the right hardware.
If you’re sure that your hardware meets the requirements, try updating your drivers. You can always find the newest version on the manufacturer’s website: Intel Download Center | NVIDIA Driver Downloads | AMD Download Center

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NVENC is a trademark of NVIDIA Corporation.
AMD® is a trademark of AMD Corporation.

Convert files
Using the Converter application, you can change the format of video, audio and image files, convert files to play on devices or prepare files for uploading online.
What can I do with the converter?
- Convert video files to a different format
- Convert videos for watching on devices
- Convert videos for uploading online
- Convert audio files
- Change image format
- Create a GIF from a video

How to use the converter?

**Step 1: Open the Converter app**

**Step 2: Add files**
Use the buttons at the top to open the files you want to convert.

**Step 3: Choose an output format**
Select the format you want to convert the files to.

**Step 4: Edit and choose conversion options**
Make changes to the files before conversion.
- Audio tracks
- Subtitle tracks
- Reduce size

**Step 5: Choose the output folder**
Select the folder where the newly converted videos will be stored.

**Step 6: Convert!**
Click the **Convert** button to start processing the files.

Launch the converter

To launch the conversion app:

In the Movavi Video Suite launcher, click **Video** on the **Tools**. Then click **Launch** on the **Convert video** tab.

In the Movavi Video Suite launcher, click **Audio** on the **Tools**. Then click **Launch** on the **Convert audio** tab.
In the Movavi Video Suite launcher, click **Photo** on the **Tools**. Then click **Launch** on the **Convert images** tab.

**Converting video**

**Launch the converter app**

In the Movavi Video Suite launcher, click **Video on the Tools**. Then click **Launch** on the **Convert video** tab. The Movavi Video Converter application will open.

**Open the videos**

Before you start, you will need to open the videos in Movavi Video Converter.

1. Click the **Add Media** button at the top and choose **Add Video** from the pop-up menu.
2. A Explorer dialog box will open. Select the files you want to convert.
3. Click **Open**. The files will now be added to the file list.
Choose output format
In the lower half of the window, you will find a list of output formats.
1. Click the Video tab.
2. Click the format you want to use. For example, MOV.
3. Choose the preset with the codec and resolution that you want to use. To convert without changing the resolution, click the line marked “Same as input”. For example: “MOV”, or “AVI MPEG-4 - Original size”

Customizing presets

Edit and rename file
- If you want to edit one of the videos, click the Edit button next to it to open the Editor window.
- To rename the file, click the pencil icon next to the output file name and enter the new one into the Output file name box. Then, click OK to accept.

Choosing audio tracks
Choosing subtitle tracks
Trimming files
Save and convert

At the bottom of the window, click **Save to...** and choose a folder you want to save converted files to. You can select one of your previous folders by clicking the check near the **Save to...** button. Finally, click the **Convert** button to start processing the videos. This may take anywhere from a few seconds to several hours, depending on the size and number of video files.

Converting for social networks

Social networks like YouTube or Facebook don't accept all video formats. Follow the steps below to convert your videos to a format compatible with the social networks.

Open the videos

1. Click **Add Media** and choose **Add Video** from the pop-up menu.
2. A **Explorer** window will open. Choose the videos you want to convert and click **Open**. The videos will be added to the file list.
Choose a social network preset
1. In the lower half of the window, click the Video tab to show all video formats.
2. Use the arrow on the right to scroll through the list and click the Online Video group.
3. Choose the social network and resolution that you want to use. This will set the optimal format and codec settings for uploading to this social network.

Save and convert
At the bottom of the window, click Save to... and choose a folder you to save converted files to. You can select one of your previous folders by clicking the check near the Save to... button.
Finally, click the Convert button to start processing the videos.
Converting for the web

To upload a video online, whether to a personal website or to a video hosting service, you will need to do two things: convert it into a suitable format and upload it onto the web.

Open videos
1. Click the Add Media button and choose Add Video from the pop-up list.
2. A Explorer box will open. Select the files you want to convert and click Open.

Choose a web preset
1. Click the Video tab for video output formats and presets.
2. Use the arrow on the right to scroll through the list and click the Web-Compatible Video group.
3. In the pop-up list, choose the format and resolution that you want to use.
Save and convert
At the bottom of the window, click Save to... and choose a folder you to save converted files to. You can select one of your previous folders by clicking the check near the Save to... button. Finally, click the Convert button to start processing the videos. When conversion is finished, you can start uploading your files to your blog or website.

Converting DVDs
The era of the DVD disc is coming to an end, and not all homes now have a DVD drive. Make your favorite movies future-proof by backing them up to your computer.

Open DVD
1. Insert the disc into your DVD drive. If you have an external DVD drive, connect it to the computer.
2. Click Add Media in the upper left-hand corner of the window.
3. Hold your mouse pointer over Add DVD.
4. Click the disc name in the menu that appears. If you don’t see the DVD in the list, click Open DVD and find the DVD location.
Tip: some DVDs are protected from illegal copying and cannot be converted. Movavi Video Suite is not intended for copying protected media.

Choose video format
1. In the lower part of the window, click the Video tab to see a list of video formats.
2. Choose the group with the format you like.
3. Click that format and pick a video resolution. To convert with the original resolution, choose the line marked with "Same as input".

Choose files and streams (optional)
Many DVDs come with bonus clips, as well as a number of subtitle tracks. Select just the files you need to save disk space:

**Bonus files**
To remove bonus files that you don’t need, click the icon to the right of the video.

**Audio tracks**
1. Find the audio information in the right-hand part of the file list and click on it to open the list of audio tracks.
2. Deselect the audio tracks that you don’t want to keep.
   Learn more about audio tracks

**Subtitles**
1. Find the subtitle information in the right-hand part of the file list and click on it to open a list of available subtitles.
2. Choose the subtitle track that you want to keep.
   Learn more about subtitles
**Save and convert**

At the bottom of the window, click **Save to...** and choose a folder you to save converted files to. You can select one of your previous folders by clicking the check near the **Save to...** button. Finally, click the **Convert** button to start processing the videos.

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**Creating GIFs from videos**

1. Click **Add Media** in the upper left-hand corner of the window and choose **Add Video** from the pop-up menu.
2. Find the video you want to turn into a GIF and click **Open**.

---

**Open a video**

1. Click **Add Media** in the upper left-hand corner of the window and choose **Add Video** from the pop-up menu.
2. Find the video you want to turn into a GIF and click **Open**.
Trim the video

Usually, GIFs are pretty short, which means you’ll need to trim the video to show just the important part.

1. Click the **Edit** button next to the video in the file list to open the Editor window.

2. Cut the video as you need.
3. Click **Done** to finish trimming and close the editor.

Learn more about trimming files

Choose GIF format

1. In the lower half of the window, click the **Images** tab to see image formats.
2. Click **GIF** to see GIF conversion options.
3. Choose a size for your animated GIF. For example, "Medium GIF".
4. (Advanced) To change the frame rate, click the **Customize** button next to the output format at the bottom to customize the selected preset. In the settings window, choose the **frame rate** you need and click **OK**. Higher frame rates will make the movements seem smoother, but will increase the GIF’s file size.

Save the GIF

1. At the bottom of the window, click **Save to...** and choose a folder you to save converted files to. You can select one of your previous folders by clicking the check near the **Save to...** button.
2. Click **Convert** to save your animated GIF.
Convert for devices

How to convert video for devices

Find your device automatically
If you’re converting for a smartphone or tablet, connect the device via USB, and the converter will automatically detect it and recommend the best output format.
Learn more

Add files
Open the files you want to convert.

Open the Devices tab
In the lower half of the window, click the Devices tab so see a list of device presets.

Find your brand
In the Devices list, use the arrows on the left and right to scroll through the list and find your device’s manufacturer and click on it to see a list of device models.
If you don’t see the device’s brand in the list, try the search bar, or use a general category, such as Android, TVs, or Tablets.

Find your device
Choose your device from the selected brand’s list and click on it to select it as the output format. Now, the format, codec, and resolution is automatically selected to be optimal for your device.
Save and convert
At the bottom of the window, click Save to... and choose a folder you to save converted files to. You can select one of your previous folders by clicking the check near the Save to... button.
Finally, click the Convert button to start processing the videos. This may take anywhere from a few seconds to several hours, depending on the size and number of video files.

After the videos are ready, all you need is to upload them to the device.

* A preset is a pre-made configuration for a specific device that contains all necessary media properties required by this device.

Device recognition
Converting videos for devices such as smartphones and tablets is quick and easy: all you need to do is connect the device and the program will suggest the recommended format and resolution for it.

Add files
Drag the files you want to convert onto the converter window.

Connect the device
Connect the smartphone or tablet to your computer using a USB cord.

Confirm the device
1. Once the device is recognized, a dialog box will appear with the device name and the recommended preset. Check that the device name matches your device. If the dialog box doesn't appear, click the Device Detection button to the right of the search bar.
2. If the device is correct, click Use These Settings to use the recommended output format, resolution, and other parameters.
Several devices are listed
Sometimes, the device detection box shows a list of several devices. This can happen if you have more than one connected device, or with some devices that are very similar and can't be identified precisely. In this case, open the Choose your device list and select the device model that you want to convert for. Then, click Use These Settings to use the recommended format, resolution, and other settings.

Device was not detected
• If the dialog box does not appear, try clicking the Device Detection button to the right of the search bar.
• Try reconnecting the device and wait for the system to detect it.
• If that doesn't help, you can still find a preset for your device manually on the Devices tab. Detailed instructions

The wrong device was detected
If the dialog box shows the wrong device, and that device isn't also connected to your computer, you can still find it manually on the Devices tab of the preset list. If you want to report this mistake, write to us at support@movavi.com and tell us your device model, and which device was shown instead. Detailed instructions

Save and convert
1. At the bottom of the window, click Save to... and choose a folder you to save converted files to. You can select one of your previous folders by clicking the check near the Save to... button.
2. Click the Convert button to start processing the videos.
3. After conversion has finished, upload the videos to your device and enjoy.

Disabling device detection
If you don't want to use device detection for any devices:
1. Click the Settings button and choose Preferences.
2. In the Preferences window, disable the "Recommend output format for connected devices" option.
3. Click OK to apply the changes.
Disabling detection for one device
If you don’t want the device detection window to appear whenever you connect a specific device:
2. Select the “Don’t show when I connect this device” option and close the window.

Converting audio
Even though MP3 is the most commonly used format, you may also encounter other formats, such as AAC or FLAC, which can preserve audio quality better, but aren’t supported by all devices. Converting audio will not only let you play music on any device or player, but also organize and compress your media library.

Open music
1. Click Add Media in the upper left-hand corner.
2. Click Add Audio in the pop-up list.
3. A Explorer dialog box will appear. Choose the audio files you want to convert. Or simply drag the audio files onto the converter window.
Choose audio format
1. In the lower part of the window, click the Audio tab to see the list of audio formats.
2. Click the format you want to convert the audio to.
3. Choose the bitrate that you want to use. To convert without changing the bitrate, choose the preset marked with "Original bitrate".

**Bitrate** – the bitrate reflects the amount of data in kilobits that is played back each second (measured in kbps). Higher bitrate usually means higher audio quality as well as larger file size, as extra data needs to be stored within the file. For audio presets, the bitrate is listed next to the format. When you convert a file to lower bitrate, the extra bits of data are irretrievably lost, meaning that you cannot increase quality by converting audio to a higher bitrate, because the file no longer contains the data that can be used to restore higher quality.

Edit audio (optional)

**Rename file**
Renaming media files helps keep the music library in order.
1. Click the pencil icon next to the file you want to rename.
2. Enter the file's new name.
3. Click OK.

**Normalize and manage volume**
If some of your music files are quieter than others, you can normalize their sound so you don't have to adjust the volume every time you listen to them.
1. Click the Edit button next to the file you want to normalize.
2. The Editor window will open. There, switch to the Audio tab.
3. Adjust the volume level or select the Normalize volume option.
4. Click Done.

Adjusting volume

Convert and upload
1. At the bottom of the window, click Save to... and choose a folder you to save converted files to. You can select one of your previous folders by clicking the check near the Save to... button.
2. If you want to upload the music to iTunes after converting, click the sharing button at the top of the window and select iTunes from the pop-up window.
3. When you're ready, click **Convert** to start the audio processing. Your files will be ready in a few minutes at most.

### Converting images

Most applications and web services are limited to just a few image formats, and working with rare formats usually requires expensive software. Convert images to be able to use them wherever you like!

**Open images**
1. Click **Add Media** in the upper left-hand corner of the window.
2. Click **Add Images** in the pop-up menu.
3. Choose the images you want to convert and click **Open**.

**Choose format**
1. In the lower half of the window, click the **Images** tab to see a list of image formats.
2. Click the format you want to use.
   
   *Note: not all formats support transparency. If the images have transparent areas, choose the PNG or BMP format.*
Reduce the file size (converting to JPG only)
Click the file size to open settings, then drag the slider to reduce the image size.

Edit image (optional)
You can quickly fix or improve any images before converting. To do that, click the Edit button next to the image you want to adjust.

Resize images (optional)
To batch resize the images:
1. At the bottom of the window, click the cogwheel icon next to **Output format**.

2. Click the box under **Frame size** and choose a size that you want to use for all images, or choose any of the following and enter the size into the **width** and **height** boxes on the right:
   - **Custom**: scales the images to exactly the size you specify.
   - **Smart fit**: scales the images up or down as close as possible to the specified size without changing the proportions.
   - **Up to size**: scales the images down as close as possible to the specified size without changing the proportions. Images smaller than this size will remain unchanged.

   To allow changing the image proportions, click the link icon next to the width and height boxes: 📊 – locked, 📊 – unlocked.

3. If the new size is different from the original image proportions, choose a resize method for your images:
   - **Letter box**: unused space will be filled with black.
   - **Stretch**: the image will stretch to fill the entire area.
   - **Crop**: the image will be resized to fill the entire area, and overflowing edges will be cut off.

4. Click **OK** to accept the changes. If you want to preview the result, click the **Edit** button next to an image.

---

**Save and convert**

At the bottom of the window, click **Save to...** and choose a folder you to save converted files to. You can select one of your previous folders by clicking the check near the **Save to...** button. Finally, click the **Convert** button to start processing the images.

---

**Media streams**

Every media file is made up of streams for each data type. A video can contain a video stream, a couple of audio streams, and several subtitle streams. When converting files, you can find the information about these streams in two columns on the right. Here, you can manage the streams that end up in the output file.
To get more details, right-click the file and choose File Information from the pop-up menu. Here, you can see all the information about the original file’s video and audio streams.

Compress video
You can compress a video to reduce its output file size by sacrificing some of the quality. To do that, click the output file size and move the slider to the necessary file size while keeping an eye on the quality.

Choose audio tracks
If a file comes with a number of audio tracks for different languages, you can keep just the ones you need. To do that, click the audio stream and deselect the audio tracks that you don’t want to keep.

Choose a subtitle track
When you convert videos, you can permanently overlay subtitles on top of the video. To do that, click the subtitle stream and choose or add the subtitle track that you want to use.

Audio tracks
Choose audio tracks
In the rightmost column of the file list, click the audio track information box. The audio track list will appear. In the box with the audio tracks, deselect the audio tracks that you don’t want to appear in the output video. If you want to completely remove audio from the file, select the
No Audio option. You can remove audio from all the files in the list by checking the Apply to all files box. You can also apply an audio track to all files.

Note: not all formats support multiple audio tracks. The table below shows the maximum number of audio tracks for each format:

<table>
<thead>
<tr>
<th>Format</th>
<th>Number of audio tracks supported</th>
</tr>
</thead>
<tbody>
<tr>
<td>3GP</td>
<td>1</td>
</tr>
<tr>
<td>AVI</td>
<td>16</td>
</tr>
<tr>
<td>DVD</td>
<td>8</td>
</tr>
<tr>
<td>FLV, SWF</td>
<td>1</td>
</tr>
<tr>
<td>MKV</td>
<td>16</td>
</tr>
<tr>
<td>MOV</td>
<td>16</td>
</tr>
<tr>
<td>MP4</td>
<td>16</td>
</tr>
<tr>
<td>MPEG-1, MPEG-2</td>
<td>16</td>
</tr>
<tr>
<td>OGV</td>
<td>1</td>
</tr>
<tr>
<td>WebM</td>
<td>16</td>
</tr>
<tr>
<td>WMV</td>
<td>16</td>
</tr>
</tbody>
</table>

Subtitle tracks
When you convert videos, you can permanently overlay any subtitle track onto the original video. This can be useful if you're watching videos on a device, or your player doesn't support subtitles.

Choose a subtitle track
In the rightmost column of the file list, you can see the subtitle and audio track information for each file. Click the information next to the subtitle balloon to open the list of subtitles. In the subtitle list, click the subtitle track that you want to use.

You can choose soft or hard subtitles:

- **Softsubs** are stored as a separate track and you can add several subtitle tracks to a single file. All the subtitle tracks will be saved if you choose All subtitle tracks option. The option available when converting to MKV only, and you cannot edit this type of subtitles.

- **Hardsubs** are permanently drawn on top of the video and cannot be turned off, but they are guaranteed to be visible in any player. Choose subtitles you want to embed from the list. Before embedding, you can edit the subtitle track. **Learn more about editing subtitles**
Adding subtitles

To add your own subtitles that aren’t stored inside the original file, click the Add button above the subtitle list and then open the subtitle file that you want to add. You can use *.srt, *.ass, *.smi, or *.ssa subtitle files. Or you can search for subtitles online. Learn more about online subtitle search

Applying a subtitle track to all files

Choose a subtitle track and select Apply to all files. This function works only in case you have files with the same quantity of subtitle tracks, for example, it is a series.

Online subtitle search

In the rightmost column of the file list, you can see the subtitle and audio track information for each file.

1. Click the information next to the subtitle balloon to open the list of subtitles.
2. Click Add and then Search online...

Search and download subtitles

1. Type a movie or series title into the search field.
2. Select a language you want to search subtitles for.
3. Click Search.
4. Choose a desired subtitle track in a list of search results.
5. Click Download and Add. The subtitles will appear in the list of subtitles.

Check and embed subtitles
1. You can check the subtitles by playing the file. Play and click After to see if it works right.
2. If everything is okay, your next step is to embed the subtitles into the video so that they are visible in any player. Before you embed subtitles, you can edit them.

Learn more about subtitle types | Learn more about editing subtitles
Extracting subtitles

1. Click on the subtitles field next to the video you want to extract subtitles from.
   • Make sure to choose the video format.

2. In the pop-up menu, click the Extract subtitles into a separate file button.
   • Now, the file with the extracted subtitles will be saved by default in Movavi Library folder.
   • The file will be automatically shown in folder at the end of the extracting process.

Compressing videos

Compressing videos can help reduce the size of the output file by reducing their bitrate. When you compress a video, it loses some of its original quality, but even a small bitrate reduction can make the file significantly smaller.

Add files
Open the files you want to compress.

Choose the output format
The video's format and resolution play a very important role in the output file size.

1. Click the Video tab to see a list of video formats.
2. Click the format you want to convert the videos to.
   Note: Some formats and codecs compress video better than others. If you're not sure which format to choose, use the MP4 format with the H.264 codec for the best size to quality ratio.
3. From the format list, choose the resolution that you want to use.
Choosing the resolution
A video's resolution is the number of pixels in every frame. A higher resolution can preserve more information and quality, but it also requires more disk space. Select a slightly lower resolution if the video is very large. For example, you can convert 1080p videos to 720p. Learn more

Compress video
1. In the file list, check the file's output size in the second column from the left.

2. Click the file size information to show compression options. There, choose the bitrate type.

**Constant bitrate (CBR)** allows you to get an output file with the exact size (recommended for DVD recording and streaming). During CBR encoding, the bitrate or the number of bits per second is kept the same throughout the encoding process.

**Variable bitrate (VBR)** allows you to reduce output file size up to two or three times saving the quality. But the file size cannot be predicted. During VBR encoding process the bitrate of the media file will dynamically increase or decrease depending on the media files bitrate needs. Use VBR unless you have a specific need for playback on a device that only supports CBR.
3. Click **Apply bitrate to all files** in the compression box if you want to unify quality of the files.

If you want to check the quality of the output file without converting the whole file, click the **Convert sample** button. You can set the duration of the fragment to the right of the button. The folder with the converted fragment will be opened automatically.

**Convert**

Click **Convert** to start processing the compressed file.

**Choosing output format**

After you've added media files, it's time to choose the output format for converting all of the files in the list. Follow the steps below to choose a video output format.

1. In the lower half of the window, click the **Video** tab to see a list of video formats.
2. Click the video format that you want to convert the files to. A list of presets for this format will appear.
3. Choose the video codec and resolution that you want to use.

*To convert without changing the resolution, choose the preset marked with "Original size" or "Same as input".*

Each preset displays information about the video, audio, and other output parameters that can help you choose the right one.

**Choosing the right resolution**

A video's resolution is its size in pixels, horizontally and vertically. It is usually listed as the width times height: 1920x1080, or just the height: 1080p. This means that the video is 1920 pixels long and 1080 pixels tall. The higher a video's resolution, and the more pixels it has, the more detail it can preserve.
First of all, you need to know the original file's resolution. To do that, check the video information next to the file's preview. When you choose the output resolution, select the same resolution to preserve the original quality, or choose a lower resolution to reduce the file size.

**Advanced settings**

If you can’t find a suitable preset, you can select the necessary properties manually. Click the Customize button next to the ‘Output format’ box to modify the video and audio properties of the currently selected preset.

**Customizing presets**

After selecting a preset, you can manually modify it to change any output properties. To do that, click the cogwheel button next to the Output format box to open the settings for the selected preset.

To see more settings, click Show Advanced at the bottom of the settings window.

**Two Pass Encoding**

Encoding videos in two passes means that the encoder will go over the media file twice: first, to analyze the file and then to convert it using the collected data. This takes extra conversion time, however it allows for a higher output quality and possibly a slight reduction in file size.

To enable two pass encoding:
1. Inside the Settings window, click Show Advanced to show the encoding settings.
2. Under Encoding type, choose Two Pass.
3. Click **OK** to accept the changes.

**Tune settings**
You can use **Tune** for advanced settings of H.264 videos. **Tune** optimizes the preset settings for the best quality depending on the type of the input video:

- **Film** – for action movie content
- **Animation** – for animated cartoons
- **Grain** – for grainy, detailed video material
- **Stillimage** – for still image footage
- **PSNR** – for achieving high peak signal to noise ratio
- **SSIM** – optimization for structural similarity
- **Fast Decode** – for faster decoding
- **Zero Latency** – for streaming video.

**Editing media files**
If you need to make some quick edits to the file before converting, click the **Edit** button next to the file that needs editing or **Tools**, and then apply the necessary adjustments in the editing window.

You can apply tools and compare an original video and a changed one. To do this, apply any tool and use the **After** and **Before** buttons under the player window.

**Trimming videos**
If you only want to convert a part of the video, you can trim off the parts you don’t want from the beginning and end of the file. [Learn more about trimming videos](#)

**Joining videos**
If your video footage is in several different files, you don’t need to use a full-function video editor to join them together. [Learn more about joining files](#)
Flipping and rotating videos
Nobody likes videos with the wrong orientation! This can be easily fixed with the **Transform Video** tool which lets you rotate and flip videos or images.
Learn more about transforming videos

Cropping videos
Cropping a video can change the video’s aspect ratio to remove any black bars around it; you’ll be able to use the entire screen when watching the video. Cropping a video or image can also help to remove unwanted images from the edges of the screen (for example, if there’s a dumpster at the edge of an otherwise beautiful video!) or draw attention to the center of the frame.
Learn more about cropping

Adding a watermark
Adding your name or logo on top of the video will make sure nobody else can take credit for your videos.
Learn more about watermarking

Adjusting colors
Using Movavi Video Converter, you can make quick color adjustments to your videos and photos. Use automatic adjustments for fast enhancement, or adjust the hue, brightness, and saturation manually.
Learn more about video adjustments

Stabilizing video
If your videos have a lot of camera shake, you can reduce the effects using video stabilization.
Learn how to stabilize video

Adding effects
You can add effects to your video! Video Converter has some simple effects as removing fish eye, sharpening, vignette, and more.
Learn how to add effects
Before and after effects

Enhancing audio
Many movies have problems with volume, where the dialogue is too quiet and action scenes blast at full volume. To combat this, you can normalize the file's audio track using Movavi Video Converter, or adjust the volume level manually.
Learn more about audio enhancements

Trimming files
Enter edit mode
Click the Edit button next to the file you want to trim or select Trim in the Tools tab.

Cut out a part of the video or audio:

Method 1
1. Select the fragment you want to cut out by setting the trim markers.
2. Click the trash can to remove it.

Method 2
1. Press Play button.
2. When the fragment you want to cut out begins, set the left trim marker.
3. When the fragment ends, set the right trim marker.
4. Click the trash can to remove it.

Method 3
To set the exact time, type in values in the number input field and spin the time units as needed. Video plays parallel to the time change in the fields.

Repeat this for all other fragments that you want to remove. When you remove fragments, the rest of the video will seamlessly snap together.

**Exit edit mode**
When you’ve removed all the parts you don’t need, click **Done** to close the editing window.

**Cancel trimming**
If you want to remove the trimming and go back to the original length, click **Reset** on the **Trim** tab in the editing window.

**Trim without conversion**
You can trim a file and save it without conversion. The Trim without conversion option is available only for videos with H.264 codec and audio with no applied tools except for trimming.
To do this, take the steps above to rotate a file and then click **Save without conversion** button. When the saving finished, click **Done**.

If you have any tools applied, click the broom icon and then **Reset applied tools**. The **Save without conversion** button will be available.
Enter edit mode
Click the Edit button next to the file you want to rotate or select Rotate in the Tools tab.

Rotate or flip the file
1. Click one of the buttons to rotate or flip the file. The rotation buttons will rotate the file by 90 degrees with each click.
2. Click Apply to confirm the changes. If you want to rotate or flip all of the files in the same way, select the Apply to all files option.
3. Finally, click Done to close the editing window. Now, you can proceed to converting the files.

Saving without conversion
You can rotate a file and save it without conversion. The Rotate without conversion option is available only for MP4, MOV, M4V-files with no applied tools.
To do this, take the steps above to rotate a file and then click Save without conversion button.
When the saving finished, click Done.
If you have any tools applied, click the broom icon and then **Reset applied tools**. The **Save without conversion** button will be available.

Cropping video
Cropping a video can help you remove parts around the edges or fix the video's aspect ratio.

**Enter edit mode**
Click the **Edit** button next to the file you want to crop or select **Crop** in the **Tools** tab.

**Crop your file**
1. Drag the edges of the frame to change its size, and drag by the center of the frame to move it relative to the entire video.
   • If you want a specific size, enter it into the **width** and **height** boxes.
   • If you want to crop the video to a specific aspect ratio, make sure that the **Maintain aspect ratio** option is enabled and choose the proportions from the box below.
2. Click **Apply** to accept the changes.
3. Click **Done** to close the editing window, and then convert the files for the changes to take effect.
Adding a watermark

Use the watermarking tool to overlay any text or image over your videos and images.

Enter edit mode

Click the Edit button next to the file you want to apply a watermark to or select Watermark in the Tools tab.

Apply the watermark

Text watermark
1. On the Watermark tab, click the Text button.
2. Enter the watermark text into the box.
3. Click the buttons under the text box to change the font, text color, and outline color.
4. Move the Transparency slider to make the text more see-through.

Image watermark
1. On the Watermark tab, click the Image button.
2. Click the folder icon and choose the watermark image you want to use.
3. Move the Transparency slider to make the image see-through and less distracting.
4. By default, the image will keep its original proportions. To change the proportions, deselect the Maintain aspect ratio option.
Move the watermark
In the player, move the watermark to the necessary position.
1. Drag at the corners to change the size of the watermark.
2. Drag at the center to move the watermark.

Exit edit mode
Click Apply to accept the changes. If you want to batch-process your files, select Apply to all files to apply the same watermark to other files in the list.

Editing subtitles

Enter edit mode
Click the Edit button next to the file you want to overlay subtitles to or select Subtitles in the Tools tab.

Select subtitles
You can choose soft or hard subtitles. Softsubs are stored as a separate track and you can add several subtitle tracks to one file. All the subtitle tracks will be saved if you choose this option.

Note: Not all formats support softsubs. There are also less editing options: you can’t change position and synchronize them with video. They are also not displayed in the preview window.

Hardsubs are permanently drawn on top of the video and cannot be turned off, but they are guaranteed to be visible in any player.
• If the subtitles are built into the file, select the necessary subtitles from the list.
• If the subtitles are stored as an external file, click **Add > Choose file...** and open the subtitle file. You can use *.srt, *.ass, *.smi, or *.ssa* subtitle files. Or you can find them online.

**Set up the subtitles**

**Subtitle encoding**
If the subtitle text looks scrambled, try changing the subtitle encoding: open the list and choose the language or character set the subtitles should be in.

**Position**
Use the Position box to change where the subtitles appear on the screen:
1. Open the **Position** box and choose which edge the subtitles should snap to (e.g. top or bottom).
2. Use the slider below to move the subtitles relative to the selected position.

**Synchronization**
If the subtitles are out of sync with the video, use the synchronization box to advance or delay subtitles by a specific time in seconds and milliseconds. Positive values make the subtitles appear later, and negative values make them appear earlier.

*Example:*

-0.100 – the subtitles will appear 100 milliseconds sooner.
1.200 – the subtitles will appear 1 second and 200 milliseconds later.

**Edit the subtitle display**
You can also change a font, its size and color, fill and outline. Find these settings under the selected subtitle track.
Exit edit mode
Click **Apply** and then **Done** to apply the changes. When you convert the video, the selected subtitles will be permanently shown over the video.

Adding effects
You can add effects to your video. There are seven simple effects in Movavi Video Converter.

Enter edit mode
Click the **Edit** button next to the file you want to apply effects to or select **Effects** in the **Tools** tab.

Apply effects
1. Click the preview icon to add an effect. You can apply several effects simultaneously.
2. Click **Apply** to accept the changes. If you want to batch-process your files, select **Apply to all files** to apply the same effects to other files in the list.
3. Finally, click **Done** to close the editing window.

Adjusting colors
Click the **Edit** button next to the file your file and switch to **Adjustments** tab or select **Adjustments** in the Tools tab.
**Adjust the colors:**
1. Drag the sliders to change the brightness, contrast, hue, and saturation of the photo and video.
2. **Auto contrast** option sets up brightness and contrast of a video or photo.
3. Use the **Magic Enhance** option to automatically fix the brightness, contrast, and saturation of the video or photo.
4. If the colors look unnatural, try the **Auto white balance** option.

**Remove noise**
1. Move the **Noise level** slider to reflect the amount of noise you can see in the preview. The more noise you need to remove, the higher the Noise level.
2. Select the **Noise removal** option.

---

**Exit edit mode**
1. When you're satisfied with what you see in the preview, click **Apply**. To batch-process other files in the list with the same adjustments, select **Apply to all files**.
2. Finally, click **Done** to close the editing window.

---

**Adjusting audio**

**Enter edit mode**
Click the **Edit** button next to the file you want and switch to the **Audio** tab or select **Audio** in the **Tools** tab.

---

**Adjust the volume**
1. To change the volume of the whole file, drag the **Volume** slider to the necessary level, where 100% is the original volume.
2. If parts of the file are too quiet, select the **Normalize volume** option to make them louder.

**Remove noise**
1. Select the **Remove noise** option.
2. Drag the **Noise level** slider to set the amount of noise you can hear in the file.
Exit edit mode
1. When you're finished, click **Apply** to accept the changes. To fix the volume for all the files in the list, select **Apply to all files**.
2. If you don't need any further editing, click **Done** to close the editing window.

Low volume detection
When you add files to the converter, it will check the volume of the files and recommend steps if the volume is too low.

Find low volume files
1. The converter will mark quiet files with the ‘**Low volume**’ tag. Click the tag to see the recommended course of action.
2. A message will appear, recommending volume adjustment. Click **Boost Volume** in the message to open the audio adjustments.

Boost volume
The **Normalize volume** option will already be selected for you. Play the file to check the new volume level. If you need more volume adjustment, use the **Volume** slider to set the necessary volume level. Click **Apply** once you're satisfied with the new volume.
When you’re finished, click Done to return to the main window.

Stabilizing video
Videos shot on handheld cameras often look shaky and unstable, no matter how hard you try to keep the camera level, especially if you’re filming sports using a portable action camera such as a GoPro®. To remove camera shake from your videos:

Enter edit mode
Click the Edit button next to the file your file and switch to the Stabilization tab or select Stabilization in the Tools tab.

Set up stabilization
Set up stabilization with the following parameters depending on the video and the amount of shaking:

Accuracy: affects the analysis precision of the video. Higher accuracy yields the best results, but also takes more time.

Shaking: set how strongly the shaking is visible on the video.

If you need more advanced settings, click the arrow under the sliders.

Radius: when a video is stabilized, each object is adjusted using the pixels from the surrounding area. The radius affects how large that area will be. Use a smaller value for more dynamic videos to avoid mixing objects together and to preserve more detail.

Smoothing: limits camera acceleration. Higher values work best for more or less static videos. Excessive smoothing may limit panning.

Edge Cropping: after compensating for motion, some distortion artefacts like blurred areas may appear around the edges.

- None: the edges will remain as they are. Best results if there is little shaking on the video.
- Fixed: the video is cropped to one size to cut off some of the edges.
Adaptive: whenever there is a lot of shaking, the video will zoom in so that the distorted edges are not shown.

Exit edit mode
1. Click Apply to accept the changes. If you have several similar files, select Apply to all files to stabilize them in the same way.
2. If you're finished editing the file, click Done to go back to the main window. Stabilization will only take effect after you convert the videos.

Merging files

Add files
Click Add Media in the upper left-hand corner and choose Add Video from the pop-up menu. Open the files you want to merge.

Merge files
1. The files will appear in the joined video in the same order as they are shown in the list. Drag the files with your mouse to the right order.
2. Select the Merge files option at the bottom of the window. All the files in the list will now be queued for merging.
Convert
1. Select an output format for the new video. See also: Choosing output format
2. Click Save to... box and choose where to save the output video.
3. Click Convert to start joining the files.

Troubleshooting
If you see an error after selecting the Merge files option, make sure that all of the files in the list have the same number of audio tracks. Click the audio information and disable the extra audio tracks. See also: Choosing audio tracks

Uploading files to iTunes
Adding converted videos and music to your iTunes library will allow you to play them on any of your devices connected to the same iTunes account.

Before you start
To upload files to iTunes, you will need iTunes 6.0 or higher installed on your computer.
Download iTunes

Prepare the files
1. Open the files you want to convert.
2. Choose an output format. Choosing output format
3. Edit the files. Editing media files

Choose iTunes uploading
1. Click the the sharing button at the top of the window.
2. Select iTunes from the pop-up list.

Convert files
Click Convert to start processing your files. After conversion is completed, the files will be uploaded to your iTunes cloud storage.

iTunes® is a trademark of Apple Inc.
Accelerating conversion

Here are some things you can do to convert videos even faster.

**Take advantage of your hardware**

*Movavi Video Suite* is optimized for the latest hardware, allowing you to use your computer's full potential when converting videos.

**Enabling acceleration**

To enable these acceleration options, click the **Settings** button in the converter window, and choose **Preferences** from the pop-up menu. In the preferences, switch to the **Acceleration** tab and select the available acceleration options.

---

**SuperSpeed conversion**

SuperSpeed mode allows you to convert video files much faster than usual without losing any quality. When you convert videos, encoding the video from one codec to another takes the most time. If you don't need to change the video codec or resolution, the video data can simply be copied to the new file, without having to convert it. This is also sometimes called *remultiplexing* or *remuxing*.

**When can it be used?**

SuperSpeed mode can be used any time when the video stream in the output file is the same as the original:

- The output codec is the same as the video codec in the original file *(e.g. when converting MKV files with the H.264 codec to MP4 files with the H.264 codec)*
- The output resolution is the same as the original
- No video adjustments are used. *This includes stabilization, video adjustments, denoising, subtitles, watermark, crop, and rotation.*
- No video compression is used.
- You can still enjoy SuperSpeed conversion when trimming files.

**How to use SuperSpeed conversion**

To use SuperSpeed conversion mode, choose output presets marked with the SuperSpeed badge:
This can be a video format or a device preset that has the same codec and resolution as your original files.

**Intel® Hardware acceleration**

If you have one of the latest Intel processors, you can use the built-in graphics chip to accelerate conversion of H.264 and MPEG-2 video.

**Intel hardware acceleration**

- Accelerates video processing by up to 400% when converting H.264 and MPEG-2 video codecs.
- This option is only available if your computer is equipped with an Intel processor that supports the Intel HD Graphics™ technology.
- When choosing an output format, look for presets marked with the Intel HD GRAPHICS badge.

**Compatible processors**

Intel hardware acceleration is available on Intel® Core™ i3, i5, and i7 processor series. For a full list of processors that support integrated graphics, please consult the Intel support center.

**How to use Intel acceleration**

You can enjoy Intel acceleration when converting videos to H.264 and MPEG-2 codecs. When selecting an output format, choose formats and presets marked with the Intel® HD GRAPHICS badge. Conversion to these output formats will be accelerated.

**Troubleshooting:**

**Can't enable Intel hardware acceleration**

If the Intel hardware acceleration option in Movavi Video Converter preferences is unavailable:

- Check that your processor is compatible with Intel hardware acceleration. To do that, open the Control Panel, go to System and Maintenance, and choose System. Find the processor information and make sure that you have an i3, i5, or i7 Intel processor.
- Update the Intel processor drivers. You can find the newest version at Intel's official website here. We recommend only downloading drivers and other software from trusted sources.
- In order for the graphics acceleration to work properly, there needs to be a monitor connected to the graphics card port. Connect the monitor and make sure it is functioning properly, then try enabling Intel® hardware acceleration again.

**Problems while converting using Intel® hardware acceleration**

If the video conversion process is taking longer than expected, or there are defects in the output video file:

- Try updating the processor drivers. You can find the newest version at Intel's official website here.
- Try disabling Intel acceleration in the preferences.
NVIDIA® Hardware acceleration

If you have one of the latest NVIDIA® graphics cards, you can use its graphics processing power for converting videos. Using the graphics card instead of the processor leaves your CPU free for other tasks, and you can use your computer without stuttering while converting videos.

Convert using NVIDIA GPU

- With this option enabled, your NVIDIA graphics card will be used for processing H.264 and MPEG-2 videos and they will be saved up to 50% faster.
- Because video processing is carried out by the graphics card, your CPU is free for other tasks, ensuring smoother performance in other programs.
- This option is only available if your computer is equipped with an NVIDIA graphics card that supports NVENC™.
- When choosing an output format, look for presets marked with the NVIDIA NVENC badge, depending on the acceleration technology supported by your graphics card.

Compatible graphics cards

NVIDIA acceleration supports GeForce, Tesla and Quadro graphics card series. You can find the full list of supported GPUs on NVIDIA®’s official site: NVIDIA NVENC supported GPUs

Note: NVIDIA acceleration does not support mobile graphics cards.

Troubleshooting

How do I find out which GPU my computer has?

1. Right-click on your desktop and choose Display settings
   In the Display settings window that appears, click Advanced display settings. This will open your GPU’s properties.

The Enable NVIDIA GPU Acceleration option is unavailable

If you can't enable NVIDIA acceleration, try updating your graphics card drivers.

NVIDIA Download Center | Detailed Instructions

Problems while converting video with NVIDIA GPU acceleration

If the video conversion process is taking longer than expected, or there are defects in the output video file:
- Try updating the graphics card driver. Detailed instructions
- Try disabling NVIDIA GPU acceleration on the Acceleration tab of the preferences

AMD Hardware acceleration

If you have one of the latest AMD graphics cards, you can use its graphics processing power for converting videos. Using the graphics card instead of the processor leaves your CPU free for other tasks, and you can use your computer without stuttering while converting videos.

AMD hardware acceleration

- Accelerates video processing by up to 2.5x when converting to H.264 video codec for heavy files.
- This option is only available if your computer is equipped with AMD graphics card that supports the Video Coding Engine technology.
- When choosing an output format, look for presets marked with the AMD Video Coding Engine badge.
Compatible graphics cards
When using the H.264 codec, acceleration will work with graphics cards released after April 2014.

Troubleshooting
How do I find out which GPU my computer has?
1. Right-click on your desktop and choose Display settings
2. In the Display settings window that appears, click Advanced display settings. This will open your GPU’s properties.

The Enable NVIDIA GPU Acceleration option is unavailable
If you can’t enable NVIDIA acceleration, try updating your graphics card drivers.
AMD Driver Download Center | Detailed Instructions

Problems while converting video with AMD acceleration
If the video conversion process is taking longer than expected, or there are defects in the output video file:
• Try updating the graphics card driver. Detailed instructions
• Try disabling AMD acceleration on the Acceleration tab of the preferences.

Saving a snapshot
To save a single frame from the video:
1. Click the Play button on the video’s thumbnail in the list to view the original file.
2. In the player window, move to the frame you want to save and click the Take a Snapshot button.
3. A Explorer window will open. Choose where you want to save the snapshot and click Save. The snapshot will be saved with the original video’s size and quality.
To open the converter preferences, click the Settings button at the top of the window to open the settings menu. There, click Preferences.

The preferences are organized into tabs at the top: General, Conversion, and Acceleration. Click the related tab to find the preferences you need.

General preferences
Conversion preferences
Acceleration preferences

General preferences

On the General tab of the preferences, you can choose the interface language and control how the application behaves.

Automatically check for updates – select this option and you’ll be notified whenever a new version is available. Updates within your version are absolutely free (e.g. 1.0 to 1.1), while new releases are offered with a hefty discount to registered users.

Send anonymous usage stats to Movavi – checking this box will allow the program to send usage statistics to our development team, enabling us to fix any bugs you may encounter much faster, as well as add new features that you might be missing. The data contains no personal information, will not be disclosed to third parties and will be used for software improvement purposes only. Learn more about how we use the statistics Read our Privacy Policy

Recommend output format for connected devices – when you connect a smartphone or tablet, the program will detect the device and recommend the optimal format for watching videos on it. Learn more

Use software OpenGL implementation – this option can be useful if your computer doesn't support the necessary OpenGL version and you see an error message when you start the program.

OpenGL is a software interface that manages graphics output. Usually, OpenGL is handled by your graphics card driver. However, some graphics cards do not support the necessary version of OpenGL. For these graphics cards, you can use this option to download and install a software replacement. Installation will run automatically, but you will need an Internet connection to download the files.

If the program works without showing an OpenGL error message, this option is not recommended. Learn more about OpenGL troubleshooting
Conversion preferences

On the Conversion tab of the preferences, you can manage how files are converted.

Under Output file name, you can choose what happens if a file with the same name already exists in the output folder:

- **Overwrite existing file**: the old file will be permanently replaced with the newly converted file.
- **Automatically rename files**: new files will be automatically renamed, and both files will be preserved.

Under After conversion, you can choose what happens when conversion is finished:

- **Open output folder**: shows the converted files in the output folder.
- **Play notification sound**: the program will notify you when it has finished converting your files.
Acceleration preferences

On the Acceleration tab of the Preferences, you can accelerate conversion using the latest technologies. You can find out more about each acceleration method in the Accelerating Conversion section.

Troubleshooting

If acceleration options are unavailable:
- Your computer might not have the right hardware.
- If you're sure that your hardware meets the requirements, try updating your drivers. You can always find the newest version on the manufacturer's website: Intel Download Center | NVIDIA Driver Downloads
Record computer screen

With the screen capture module, you can record any part of your screen with audio and save the resulting video in any format you like. Firstly, click Video on the Tools. Then click Launch on the Record computer screen tab to launch the screen capture module where you can set up your capture preferences. If you want to start recording right away, click Start Recording on the Record computer screen tab. If you launch the program for the first time, it will record full screen by default. If you have recorded something before, the program will start recording the last selected area.

Don't know where to start?
Read these tutorials:

- **Recording screen**: Capture any fragment of your screen or the full desktop.
- **Recording only audio**: Record any sound from a device or music on your computer.
- **Scheduling recordings**: Record screen while you're away from your PC.
- **Taking screenshots**: Take, edit, and share screenshots in a couple clicks.

How to open the capture module

**From launch module**
In the Movavi Video Suite launcher, click Video on the Tools. Then click Launch on the Record computer screen tab to launch the screen capture module. If you want to start recording right away, click Start Recording on the Record computer screen tab.

**From Video Editor**
If you want to add a captured video to your movie, click the Record screencast button on the Import tab in the video editing module. The capture module will open. After capturing your screen, click the Open in Editor button in the saving window. The recording will be added to your project in Video Editor.
Control panel

The compact control panel is the first thing you see when you launch Movavi Video Suite. The panel provides you with quick access to all basic tools without blocking the content on your screen.

By default, the panel will be located at the right side of your screen, but you can pin it to any side you like.

*Note that the panel cannot block the Windows taskbar (located below by system default).*

- Click either of the camera buttons to start the area selection tool: to take a screenshot, to record screen.
- Click the cogwheel button to open Preferences.
- Click to hide the panel. Click to show it again.
- Clicking will minimize the program to notification area. You can access the program from the notification area menu.

Launch Screen Recorder

1. Open Movavi Video Suite and click Video on the Tools.
2. Then click Launch on the Record computer screen tab to launch the screen capture module. Here you can set up the capture area.
3. If you want to start recording right away, click Start Recording on the Record computer screen tab. If you launch the program for the first time, it will record full screen by default. If you have recorded something before, the program will start recording the last selected area.
Step 2: Set up the capture area
1. Click the camera button on the control panel or press F10. The area selection tool will start.
2. Select the part of the screen that you want to record:
   • Click and drag on the screen to select the capture area.
   • To record a window or a window panel, hover your mouse pointer over it and click once a frame appears around it.
   • To record the full screen, click in any part of your screen (make sure no windows are selected!).

Step 3: Set up the sound and webcam
By default, only the system sound recording is on. To enable webcam and microphone recording, click the corresponding icons:
- Webcam off/on
- Microphone audio recording off/on
- System audio recording off/on

If you have more than one microphone connected, select the one you need from a list next to the mic icon.
Step 4: Start recording
When you're ready to begin, click the REC button. You will be given a 3-second countdown before the recording begins.

Use these keyboard shortcuts to control the recording process:
F9 - pause the recording
F8 - take a snapshot of the capture area
F10 - end capture and save the recording
Tip: these are the default hotkeys. You can change them in the Keyboard Shortcuts section of the Preferences.
When you’re ready to finish your recording, click **Stop** on the recording panel or use the **F10** keyboard shortcut.

**Step 5: Edit the recording (optional)**

When you finish recording, the capture editing window will open. Your video is ready and saved in MKV format, but you can preview it, edit, or save it in a different format.

**Cutting the recording**

To cut out a fragment:
1. Place the position marker to the beginning of the unwanted fragment and click the **scissors** icon.
2. Move the position marker to the end of the fragment and click the **scissors** button again.
3. Move the position marker to the center of the fragment to select it and click the **trash can** button.

**Saving the edited recording**

To save the trimmed version, or to change the format of your recording:
1. Click the **Save As** button. The output options will open.
2. Choose a **name** and **location** for saving the video.
3. Choose a **format** for saving your video.
4. Click **Save** to start processing your recording.
Frequently asked questions

_I get a codec activation message when I try to start recording_

When you first start using Movavi Video Suite, you need to activate the codecs you are using. Simply click _Activate_ in the message box to start using these codecs and continue with your capture. This process is free of charge and does not collect any personal information.

_Record audio only_

Besides screen activity, you can just as easily record online music, radio, podcasts, and voice input as standalone audio files.

**Step 1: Set up capture area**

1. Click the camera button on the control panel or press F10. The area selection tool will start.
2. If you need the video as well, select the area you want to record. If an audio file is all you need, select the smallest capture area possible (16x16) in any part of your screen. This way, you will avoid taking up unnecessarily much disk space during recording.

**Step 2: Set up the audio**

On the recording panel, choose which audio sources you want to record from:

- Recording _system sounds_. To record music, online videos, and any other sounds playing on your computer, click the _system audio_ button.

- Recording _microphone audio_. To record sound from a microphone or any other recording device connected to your computer, click the _microphone_ button. If you have more than one recording device, click the arrow next to the button and select the device you want to record from.
Step 3: Record the audio
Click REC when you’re ready to begin recording.

To end the recording, press F10 or click Stop on the recording panel.

Step 4: Save audio file
When the recording is finished, the capture editor window will appear, where you can play the audio you’ve recorded.

1. Click Save As to open the exporting options.
2. To save just the audio from your recording, open the list of formats and select MP3.
3. Click Save to turn your recording into an audio file.

Troubleshooting audio
My device is not available in the list.
If you don’t see the device you want to use in the list, it may be disconnected or disabled in system settings.

1. Try re-connecting the device.
2. If that didn’t help, right-click the sound icon in the Windows notification area and choose Recording Devices from the pop-up menu. The Sound settings window will open.
3. Look for your device in the list:
   • If the device is working correctly, it should be marked with a green checkmark.
   • If you cannot find the device in the list, right-click anywhere in the list and make sure that the options Show Disabled Devices and Show Disconnected Devices are selected.
   • If you still cannot find the device, download a driver for this device from the manufacturer’s website and install it. This should help your system detect the device.
4. Try enabling the device:
   • If the device is listed as Not Plugged In, try plugging in the device again.
   • If the device is listed as Disabled, right-click the device and choose Enable.
Mouse cursor effects
Using mouse effects, you can use the mouse as a pointer and show your viewers where to click. You can enable mouse cursor effects on the effects panel:

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By default, the cursor will be highlighted yellow and the mouse clicks red and blue for left and right mouse buttons respectively. However, you can set up the effects the way you like.

**Step 1: Open the mouse cursor options**

1. On the control panel, click the cogwheel button to open Preferences.
2. In the Preferences window, switch to the Effects tab.

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**Step 2: Enable the cursor**

Select **Show cursor on recording**. This will make the cursor visible on recordings. To make the cursor invisible, disable this option.
Step 3: Highlight cursor actions (optional)
To make the cursor visible even better, you can highlight it or enable a special effect for clicks.

Highlight cursor
A semi-transparent circle will appear around the cursor, making it easier to track.

1. Select the **Highlight cursor** option.
2. (optional) The default highlight is yellow. To change the highlight color, click the square on the right and pick the new color.
3. (optional) Use the **Size** slider to make the highlight smaller or larger. The cursor itself will remain the standard size.

Hover your mouse over the square on the right to preview the highlight.

Highlight clicks
Concentric circles will appear for every click, color-coded for two mouse buttons.

1. Select the **Highlight clicks** option.
2. (optional) Click the left square to set the color for the left mouse button.
3. (optional) Click the right square to set the color for the right mouse button.

Mouse click sound
A clicking sound will play whenever you click the mouse.

1. Enable the **Mouse click sound** option.
2. (optional) The default clicking sound has already been selected for you. If you want to use your own sound, open the drop-down box and choose **Add sound**. Then, open the sound file that you want to use. You can use WAV, MP3, AIFF, and AU files.

Recording keystrokes
If you’re making a tutorial that uses keyboard shortcuts, it’s helpful to display them on screen for your viewers. Enable keystroke recording to show the keys you pressed at the bottom of the video.

1. On the effects panel, click the **keyboard** button.

2. To enable keystroke recording, select one of the options:
   - **All keystrokes** — each key you press will appear on screen, including letters and numbers.
   - **Keyboard shortcuts only** — only key combinations such as `Ctrl+C` or `Shift+Control+Esc` will show up on screen. Letters and keys that do not cause an action will not be displayed.

To turn off keystroke recording, click the keyboard button again.

**Tips:**
- Avoid entering any passwords or other sensitive information while you’re recording a video with keystroke recording: if you share the video, your viewers will be able to see each character you type.
- Keyboard shortcut recording does not work with the Windows key.

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**Scheduling**

Any recording can be scheduled for a later time. You can use this to automate your recordings or capture late-night webinars.

**Step 1: Set up your recording**

Scheduled recordings will start with the currently selected options (system sound, webcam, etc.) Before scheduling the recording:

1. (optional) Default capture area for scheduled recordings is full screen, so if you want to change it, click the **camera** button on the control panel and select the part of the screen you want to see on your scheduled recording.

2. To enable system sound recording, click the **speaker** button on the recording panel and make sure it is enabled and highlighted green.

**Step 2: Schedule recording**

1. On the control panel, click the **cogwheel** button to open Preferences. Switch to the Scheduler tab.
2. Select **Schedule recording**.
3. Click the **Add Task** button.
4. A task template will appear. Fill in the details for the task:

- **Title** - the name of your recording
- **Date and time** - the moment recording should start
- **Duration** - how long the recording should last (e.g., if you want to record a one-hour-long webinar, set this at 01:00:00)
- **Capture area** - by default, the program will record full screen. However, if you'd like to avoid recording extra parts of the screen, you can select Current area. Be careful: the program will capture the area selected on screen at the moment your recording starts! If you don't select the new area, last recorded area will be used.
- **After capture** - you can set your computer to automatically sleep or shut down when the recording is over.

5. Click **Create** to add the task to your recording schedule.

**Step 3: Enable launching at startup (optional)**

The screen recorder needs to be running at the scheduled start time to begin the recording. If you've scheduled the recording for a later date, enable the program to start with your computer so that you don't miss the recording. To do that, open the **General** section of the Preferences, click More and enable the **Launch application at startup** option.
Finally, click OK in the Preferences window to save the changes. After the recording is finished, the recording file will be stored in *.mscproj format in the output folder with your other screen recordings.

Please note that if you haven’t yet activated the program, the maximum capture time is 5 minutes for each video. To learn more about activating Movavi Video Suite, see the Activating Software section.

If you are starting a lengthy recording, make sure that you have enough free disk space for saving the temporary recording files.

**Time limit**

When you record a long webinar or online video, you can limit the recording to a specific time and it will stop automatically once the time is up. This way, you don’t have to wait around for the video to end.

1. On the control panel, click the cogwheel button to open Preferences. Switch to the Scheduler tab.
2. Select the Set time limit for recording option.
3. Set Duration by entering the time limit as hours:minutes:seconds.
4. Click OK to enable the time limit.

*Note: the limit will work on all your next recordings in the current session only, until you restart the program.*

5. Click the REC button on the recording panel to begin recording. After the specified time is up, the recording will end automatically.

**Editing recordings**

When you end a recording, the player window will open, where you can view the finished video, save videos to a different format, and edit videos and screenshots.
Here's what you can do:

- **Cut recordings** – trim videos from the beginning or the end, cut out fragments.
- **Change recording format** – save the video in a different video format, as an audio file, or even as an animated GIF.
- **Share recordings** – publish your video online or send it to your friends and colleagues.

**Opening the player**

To open the capture player and editor, right-click the Movavi Screen Recorder icon in the notification area and select **Preview Saved Files**.

Also, the capture editor will open after you finish recording a video.

**Cutting recordings**

This guide will show you how to cut out parts from video recordings using the built-in capture editor.

**Before you start:**
- Open the recording you want to edit in the capture editor.

**Step 1: Cut fragments**

1. Move the position marker to where you want to cut the video.
2. Click the **scissors** button. A cut marker will appear at the current position.

Repeat these two steps to cut at the beginning and at the end of each fragment you want to delete.
Precise positioning
For more precise positioning, click on the cut marker on the seek bar and do any of the following:
• Click the previous frame and next frame buttons to move the cut marker by exactly one frame,
• Click the arrows next to the time to move the marker by a small interval.
• With the cut marker selected, use the arrow keys to move it left or right by 100 milliseconds.
• Manually enter the necessary time.

Step 2: Delete fragments
1. On the seek bar, click a fragment to select it. The selected fragment appears as a darker shade.
2. To delete the selected fragment, click the trash can button.

A dotted line will appear on the seek bar where a fragment has been deleted:

How to undo cutting
To cancel a cutting action, click Undo or press Ctrl+Z. To repeat a cancelled action, click Redo (Ctrl+Y).
Step 3: Save the edited video
If you've cut the video, you need to save it to apply the changes.

1. Click **Save As**. The window with saving options will appear.
2. At the top of the window, choose where to save the file and enter a file name.
3. Choose a format for the video. If you don't know which format to choose, leave MP4 selected. It will save faster and at no quality loss.
4. Click **Save** to start processing the video. This may take a while for longer videos.

Changing the format
New recordings are created in the MKV format which is supported by most players. This guide will show you how to save your video recordings in a different format. You can also convert your video recordings to audio by saving them as an audio format.

**Step 1: Open the output options**
Click **Save As** to open the output options.

**Step 2: Choose a new format**
Select a format you want to use:
- **Video** - MP4, AVI, MOV, MKV
- **Image** - GIF
- **Audio** - MP3

**Step 3: Save the file**
Finally, click **Save** to convert your recording to the selected format. This may take a while for large videos.
Advanced settings

There are some extra settings you can use to customize your recorded files before saving. To open the settings, click **Advanced** in the saving window.

Resolution

The *frame size or resolution* determines the videos width and height in pixels. Open the **Resolution** list to select from the most common resolutions. Ideally, the frame size should not exceed the resolution of the recorded video, but match it instead. Smaller resolutions allow you to make the output video smaller and thus save your disk space, however, this will sacrifice some video quality due to downscaling.

Framing

Choosing a resize method can help you manage how your video is resized to fit inside the frame size you've set. There are several resizing options available:

- **Smart fit...** – scales the original video to fit the specified dimensions while maintaining the aspect ratio.
- **Up to size...** – allows you to set a maximum frame size: input files with frame sizes exceeding the maximum are scaled down, while videos with smaller frame sizes remain unchanged.
- **Letter Box** – the video will be resized to fit inside the frame entirely. This method allows you to keep the whole video inside the frame without distortions, but may place black bars around the video.
• **Stretch** – the video is fit entirely inside the frame and then stretched on one axis in such a way as to fill the entire frame without leaving black bars. This allows you to cover the entire frame, however, the objects in the video may appear horizontally or vertically distorted.

• **Crop** – the video will be resized to be slightly larger than the frame, cropping the parts that do not fit inside it. This allows to cover the entire area of the frame without distorting any of the objects inside the video or without leaving black bars, however, this may not suit some clips where important objects are near the edge of the frame.

**FPS**
The number of frames per second is the number of shots that a camera takes each second to make a video. Most cameras shoot video at around 24 frames per second. However, some cameras can shoot high-speed video that you can use to make slow motion clips. If you plan on using high-speed videos, choose the FPS that matches the video. If you're using regular videos, leave the default FPS.

**Sample rate**
The sample rate affects the quality of digital sound, and defines the maximum frequencies that an audio stream can contain. The default sample rate is set to 44100 Hz, which exceeds the maximum frequencies of human hearing and is used to record Audio CDs and most music tracks.

**Channels**
*Stereo* sound contains two channels and has the capacity to convey the relative location of sound sources, which makes it best for recording music; *mono* sound has only one channel and produces sound without differentiating left and right channels. Stereo is the generally preferred number of channels, however, some mobile devices record sound only in mono mode.

**Sharing videos**
1. Open the player and select the recording you want to share on the **Recent** panel.
2. Click the **Share** button next to **Save As** and select where you want to upload your video, then follow the selected service steps.
Learn more about sharing to:
- YouTube
- Google Drive
- Movavi Cloud

### Uploading videos to YouTube

Once your video is ready, you can share it to YouTube!

1. Click Sign In and grant all requested access to allow Screen Recorder to upload files.

2. Fill in the details:
   - Give your video a title and fill in the description.
   - Add some tags to help users find videos by relevant topics. Separate tags with commas.
   - Choose a resolution that suits your video. For best results, choose a resolution that is equal to or less than the height of your video (e.g. if your video is 1280x720, choose the 720p resolution).
   - Choose a category to help viewers find relevant content.
   - Open the Privacy box and choose who you want to see the video.
   
   Tip: if you want to save the video to your disk as well, check the Save to box and select file destination on your computer.

3. Click Start to begin uploading.

![YouTube Upload Process](image)

### Uploading videos to Google Drive

You can use Google Drive to store your videos or share them with others.

1. Click Sign In and grant all requested access to allow Screen Recorder to upload files.

2. After you've signed in, the program will load your Google Drive folder list. You can share files to specific folders if you like. Select one of them in the list.

3. Fill in the details: title, privacy settings, the video format and quality.
   
   Tip: if you want to save the image to your disk as well, check the Save to box and select file destination on your computer.

4. Click Start to begin uploading.

![Google Drive Upload Process](image)

### Uploading videos to Movavi Cloud

If you only need to quickly share a file, you can use Movavi Cloud. It will give you a shareable link in just one click!

1. In the editor window, click the Share button and select Movavi Cloud. The upload will start immediately.
2. Share! The link will be copied to clipboard automatically, but you can also use the copy button or click View in Browser to open the file in your default browser.

In the browser, you can play the video or download it. The file will be accessible by the link, so if you feel you might need to send it to someone else some other time, make sure to know where to find it (e.g. in a message you’ve first attached it to).

Taking screenshots

1. On the control panel, click the screenshot button 📸.

2. Your cursor will turn into a crosshair. Select the part of the screen that you want to capture:
   • To capture a window or a window frame, hold your mouse pointer over the window and click after a frame appears around it.
   • To capture a part of the screen, hold the left mouse button and drag diagonally to draw a rectangle.
   • To capture the entire screen, click on any empty area of your desktop.

3. A frame will appear over the selected area. You can now edit your screenshot:
   • Select a tool you want to add to your screenshot: Line 🖊, Arrow 🖊, Frame 📃 or Highlighter 🖊. Hold the left mouse button and drag to draw a shape.
   • Change the color 🎨 and width 🟢 of your shape.
   • Drag by the green arrow circle 📦 or the white circles on the edges to resize the element; rotate by dragging the green circle left or right: 📦.
   • If you need to move the capture area, click the Drag-area mode 🏛️ button.
4. Choose what you want to do with your screenshot:

- Click the Copy button to copy the image to clipboard without saving the screenshot to a file.
- Click the Save button to save the image file and open its containing folder.
- Click the Share button to share the image to Movavi Cloud, WhatsApp, Telegram, and Google Drive or send it in an e-mail.

Where are the screenshots stored?
By default, the screenshots are stored in the "\Videos\Movavi Screen Recorder\Screenshots" folder of your user. You can change where the files are saved in the Files section of the Preferences. To open the screenshot's location, click the Show in Folder button on the top panel of the editor window.

Sharing screenshots

Step 1: On the screenshot panel, click the Share button.

Step 2: Select where you want to share your image, then follow the selected service steps. It's that easy!

Sharing screenshots to Google Drive

Uploading images to Google Drive will take you a couple extra moves.

1. Click Sign In and grant all requested access to allow Screen Recorder to upload files.
2. After you’ve signed in, the program will load your Google Drive folder list. You can share files to specific folders if you like. Select one of them in the list.

3. Fill in the details: title, privacy settings, and the image format. Tip: if you want to save the image to your disk as well, check the Save to box and select file destination on your computer.

4. Click Start to begin uploading your image.

Learn more: How uploading files to Movavi Cloud works

**Screen Recorder preferences**

To open the program settings for Movavi Screen Recorder, click the cogwheel button on the control panel:

The preferences window will open. The preferences are organized into eight categories: General, Files, Keyboard Shortcuts, Video, Webcam, Effects, Scheduler and Sharing.

**General preferences**

The General tab allows you to change the basic behavior of the program. The settings are organized into two groups for your convenience.

**Basic settings**
Enable sound notifications
The program will notify you when a screenshot has been taken, a file export is finished, or if an error occurs.

Other settings
Launch application at startup
With this option enabled, Movavi Screen Recorder will start when you log in and run in the background. This way you will always be ready to capture your screen.

Use software OpenGL implementation (advanced)
This option can troubleshoot OpenGL problems for some graphics cards.

OpenGL is a software interface that manages graphics output. Usually, OpenGL is handled by your graphics card driver. However, some graphics cards do not support the necessary version of OpenGL. For these graphics cards, you can use this option to download and install a software replacement. Installation will run automatically, but you will need an Internet connection to download the files.

Save extended logs for troubleshooting
In case you experience trouble using the program and contact our support team, they might ask you to collect logs. The logs contain the program’s actions for some period of time, as well as important error reports and descriptions. Extended logs give the most amount of information which may be essential to solving your problem.

Automatically check for updates
The program will notify you if a new version is available. Minor updates are absolutely free (for example, from v.1.3 to v.1.4). For major updates users with purchased Movavi Video Suite license will get a considerable discount.

I give consent to send anonymous usage stats to Movavi
Enabling this box will allow Movavi Video Suite to send us anonymous data about how you use the program. This data does not contain any personally identifiable information and is only used for improving our software. You can find more information about how we use the statistics on our Movavi Improvement Program page.

Disable Aero theme during capture
Windows Aero themes that use transparency require more processing power. This may slow down your computer while recording video. With this option enabled, the program will disable the Aero theme while recording to improve performance. The theme will be restored after recording has finished. (For Windows 7)

Use DirectX for capturing
Try this option if you are experiencing problems capturing some program windows. In Windows 8 and above, the capture method is chosen automatically and this option is unavailable. (For Windows 7)

Use alternative capture mode
If you get an error message when you start or stop recording your screen, try this option. (For Windows 8 and above)

File preferences
In the Files section of the preferences, you can change where your captured files are stored. To change a folder location, click Browse and select a new folder.
Save output videos to...
This is where all your video recordings are saved.

- **Delete original recording after saving**
  If you save the recording in a different format, or trim the file, the original will be deleted.

Save screenshots to...
This is where all your new screenshots are saved. You can also find your recent screenshots in the editor window.

Default screenshot format
Here you can change the format for all new screenshots. You can also change the format for a single screenshot by using the Save As button in the editor window to save a copy with a different format.

**Keyboard shortcuts**
The Keyboard Shortcuts tab allows you to set your own custom shortcuts for such actions as starting or pausing the capturing process. On the right, you can see keyboard shortcuts for every action.

To change one of the shortcuts:
1. Click inside the box with the shortcut you want to change. The box will become blank.
2. Simultaneously press on keyboard the keys you want to use as a shortcut to the selected action. The box will now display your custom shortcut.
3. Click **OK** to apply the changes. To reset all the keyboard shortcuts to their original state, click the **Reset to Default** button.
If there’s a keyboard shortcut you want to use in other software while Movavi Screen Recorder is running, check the **Disable keyboard shortcuts** box.

In case you forget a shortcut, you can always look it up here in the keyboard shortcut settings.

### Video preferences

On the **Video** tab, you can choose how the videos are recorded and saved, change the preferred audio quality, including the sample rate, number of channels, and bits per second.

#### Frame rate
The frame rate defines how many frames will be captured each second and affects the smoothness of motion in the video. A lower frame rate will result in smaller output size, however, the video may not turn out as smooth. The recommended frame rate is 20-30 frames per second.

#### Sample rate
The first number is the audio sample rate, measured in Kilohertz (kHz). This is the number of digital samples taken each second to record sound. Higher sample rate usually means higher quality. 44.1 kHz is the recommended sample rate, which corresponds to the human hearing range.

#### Channels
- **Mono** uses only one audio channel, which saves some disk space.
- **Stereo** uses two audio channels, which allows distinguishing the direction a sound is coming from and usually sounds more natural.

#### Bit depth
Screen Recorder will record audio at 16 bits, which is the standard bit depth for most audio recordings. This means that every sample contains 16 bits of information to encode sound.

- **Enable SuperSpeed conversion**
  This option will make saving videos faster if you use the same output video codec. For example, if you cut the video without changing the format. If you’re having problems with saving some files, try disabling this option.

- **Enable Intel hardware acceleration**
  This option will make saving videos faster if your computer is equipped with a compatible Intel® graphics chip. Intel acceleration works when processing H.264, MP4, and MPEG-2 videos.

- **Enable NVIDIA GPU acceleration**
  This option can make saving videos faster by using the graphics card to process media files. This leaves the CPU free for other tasks and improves performance while saving videos. This option is only available if you have an NVIDIA® graphics card compatible with the NVENC® or CUDA® technologies.

- **Enable AMD acceleration**
  This option is meant for the same purpose as the ones above: it allows to save videos faster, too, but this time you need an AMD graphics card to use the acceleration.

### Webcam preferences

The **Webcam** section of the preferences allows you to set up your webcam for recording it on top of the main video.
Enabling the webcam

1. Connect the camera to your computer and wait until your system installs the necessary drivers.
2. In the Webcam preferences section, select the camera you want to use from the 'Use this webcam' box.

If the camera does not appear in the list, try manually installing the driver that came with your camera. You can use the preview square on the right to check that the camera is working properly.

Webcam properties
Clicking the Settings button will open the camera's properties. These properties are different for each manufacturer, but generally you can use them to calibrate the brightness, contrast, and exposure of your camera.

Resolution
The resolution affects the quality of the output video. If the video is very small, you can choose a lower resolution without a noticeable decrease in quality.

Frame rate
Frame rate is the number of shots the camera takes each second. Higher frame rates will make the movements look smoother and work best for videos with a lot of motion. If the picture is mostly static, you can decrease frame rate to save disk space. The standard frame rate is 20-30 frames per second.

Video size
Use the video size slider to set the size of the webcam overlay relative to the main video.

Position
Use one of the position options to choose where your webcam overlay will be placed on the original video.

Effects
In the Effects section of the preferences, you can set up the visibility of your mouse and keystrokes.
Cursor options
Select **Show cursor on recording** to make the cursor visible to your viewers.

- **Highlight cursor**
  This option will add a bright circle around the mouse cursor to make it more visible.
  1. Select the **Highlight cursor** option.
  2. Click the square on the right to choose the highlight color. Use the Alpha channel box to change its opacity.
  3. Use the size slider to change the size of the highlight circle.

  *Hint: hover your mouse over the preview square on the right to see how it will look on the recording.*

- **Highlight clicks**
  This option will flash a circle around the cursor for every click. You can set two different colors for the left and right mouse buttons.
  1. Enable the **Highlight clicks** option.
  2. Click the left square to set the color for the left mouse button.
  3. Click the right square to set the color for the right mouse button.

- **Mouse click sound**
  A clicking sound will be played every time you click the mouse to draw attention to your actions.
  1. Enable the **Mouse click sound** option. The default mouse click sound will be used.
  2. (optional) If you have a file with a different sound effect you want to use, open the box under ’Mouse click sound’ and choose **Add sound**. Then, open the audio file with the sound effect. You can use WAV, MP3, AIFF, and AU files.

Keystroke recording options
- **Keyboard shortcuts only** – only functional keys and key combinations (for example, Alt+Shift, or Ctrl+C) will appear on the video.
- **All keystrokes** – all key presses, including letters of the alphabet, will appear on the video.

  *Hint: avoid entering passwords when this option is enabled if you don’t want everyone to see your password.*

Scheduler
In the **Scheduler** section of the preferences, you can start and stop recordings automatically.
Automatically ending a recording
1. Select the "Set time limit for recording" option.
2. Enter the duration of the recording as hours: minutes: seconds.
Learn more: Time limit

Scheduling a recording
To start and end a recording automatically:
1. Select the "Schedule recording" option:
2. Click "Add Task" button.
3. Fill in the details and click Create to add your task to the recording schedule.
Learn more: Scheduling

The Screen Recorder application must be running at this time for the recording to begin. To make sure you don't miss it, enable the "Launch application at startup" option in the General section.

Sharing preferences
The Sharing tab allows you to manage your YouTube and Google Drive accounts used to upload videos to.

To sign in to your account:
1. Click Sign In. The authentication page will open in your browser.
2. Sign in to your account and click Allow to let Movavi Screen Recorder upload videos.

Capture video
Follow the steps below to record video from a camera that's connected to your computer.

Connect the camera
Connect the camera you want to capture from to the computer. Make sure that the system recognizes the device and that it is working correctly.

**Launch the video recording module**
Open the Movavi Video Suite launcher window, click Video on the Tools. Then click Launch on the Capture from cameras, VHS, TV tab.

**Step 3:** In the Video capture device box, choose the camera you want to use for capture. Then, select the resolution and frame rate. A larger resolution will be able to retain better quality, however, the video file size will be larger. A higher frame rate is necessary for recording motion, while static scenes can be captured with a lower frame rate.

**Step 4:** In the Audio capture device box, choose the microphone that you want to record the sound with.

**Step 5:** (optional) By default, the recordings will be saved to your Movavi Library folder. If you want to save them somewhere else, click the folder button under ‘Save files to’ and choose a different location.

**Step 6:** (optional) If you want to batch rename the files, choose a renaming option from the ‘File renaming’ box and set up the new file name template.
Step 7: Click **Start Capture** to begin recording the video. During capture, you can take snapshots using the camera button on the right.

Step 8: To finish the recording, click **Stop Capture**. If you need to record more videos, repeat steps 7 and 8.

---

**Import AVCHD**

Follow the steps below to import previously recorded videos from an AVCHD camera.

**Step 1:** Connect the camera you want to capture from to the computer, and enable USB connection mode on your camera. Make sure that the system recognizes the device and that it is working correctly.

**Step 2:** Open the Movavi Video Suite launcher window and click **Data** on the **Tools**. Then click **Launch** on the **Import AVCHD** tab.

**Step 3:** In the **Video capture device** box, select your AVCHD camera.
Step 4: On the left, you will see a list of all clips on the camera storage. Review the files and deselect the ones you don’t need.

Step 5: (Optional) After importing, the files will be saved to your Movavi Library folder. If you want to save them somewhere else, click the folder button under ‘Save files to’ and choose a different location.

Step 6: (Optional) If you want to batch rename the files, choose a renaming option from the ‘File renaming’ box and set up the new file name template.

Step 7: Click Export files to start copying the files. This may take a while depending on the size of the videos.

Capture audio

Connect a microphone
Connect a microphone to your computer and make sure that it is recognized by the system.

Launch the audio recording module
Open the Movavi Video Suite launcher and click Audio on the Tools. Then click Launch on the Record sound tab. The audio recording module will open in a separate window. If you want to start recording right away, click Start Recording on the Record sound tab.
Set up audio capture
In the Audio capture device box, choose the microphone or whichever device you want to use for recording sound. To record audio that is playing on your computer*, choose 'Stereo Mix' or 'Speakers'.
* Depending on the model of your audio card, this option may be named differently. Some device manufacturers do not include a system audio recording option.

In the Saving captured files section, you can choose a template for naming the captured files. To do that, open the File renaming box and choose date or free text. Then, fill in the template details and the recordings will all be named after this template.

Under Save files to, specify the folder where you want to save the recordings. Click the folder icon next to the box to browse for the folder you need.

Record
Click Start Capture to begin recording. As you record sound, you can see the frequencies reflected as color bars in the center. When you're done, click Stop Capture. If you need to record more audio clips, simply repeat this step.

The audio files will be saved to the folder specified in the 'Save files to' box. To open this folder, click the View saved files button.
Split Movie is a lightweight program for quick video editing. With it, you can cut a video file into small scenes or cut out any number of unwanted parts like commercials. To open the video splitter, click Video on the Tools of the Movavi Video Suite launcher. Then click Launch on the Split video tab.

**Step 1: Open a video**
To open a video file, simply drag it onto the Split Movie window.
Learn more: Open videos

**Step 2: Edit the file**
Use the Scissors button to cut the video into scenes, then select the scenes you want to remove and click the trash can button.
Learn more: Trim from the edges | Split scenes | Cut out parts

**Step 3: Save the result**
In the bottom right-hand corner, choose As separate files to save each scene to its own file, or choose As a single file to save the entire video minus the deleted scenes to one file. Then, click Save and select where you’d like to place the new file(s).
Learn more: Saving the result

**How to split video**
The splitting module allows you to quickly split a video file into parts or cut out fragments without reconverting the file or any quality loss.

**Launch the splitter**
To open the video splitter click Video on the Tools of the Movavi Video Suite launcher. Then click Launch on the Split video tab.
Open files
To start cutting videos, click Open file in the middle of the window and choose a video file.
Learn more: Opening files

Split scenes
To cut the video into several scenes, place the position marker where you want to cut scenes and click the scissors button. Repeat this for all scenes in the video.
Learn more: Splitting scenes

Cut out unwanted fragments
To remove a fragment from the video, place the position marker onto the beginning of the fragment and click the scissors button. Then, do the same for the end of the fragment. When the fragment is separated, select it and click the trash can button to remove it.
Learn more: Cutting out parts
Save the result
In the bottom right-hand corner, you can choose how to save the resulting clips:
• To save each scene as a separate file, select As separate files.
• To save all scenes to a single file without the deleted fragments, select As a single file.
Then, click Save to start processing the video.
Learn more: Saving the result

Opening files
To open videos, do any of the following:
• Find a file in Explorer and drag it onto the Movavi Split Movie window.
• Click Open file in the center of the window and choose the file.
• Open the File menu and choose Open File. Then, choose the file you want to cut.
Playback

After you’ve opened the video, you can use the playback tools to find where you need to cut the video.

How to position the playback marker:
• When you play the video, press the spacebar to stop the video when you see a scene border.
• Use the Previous frame / Next frame buttons on the toolbar to move the position marker by one frame.
• Use the timeline scale above the seek bar for reference.

Jumping to a specific time:
1. Open the Playback menu and choose Jump To.
2. Enter the exact time and click OK.
The position marker will move to the specified time.

Cut out parts

Follow these steps to cut out an unwanted fragment from the video:

Step 1: Move the position marker to the beginning of the unwanted fragment.

Step 2: Click the scissors button.

Step 3: Move the position marker to the end of the unwanted fragment.

Step 4: Click the scissors button again. The fragment is now separated from the rest of the video.

Step 5: Click the fragment you’ve cut to select it and click the trash can button to reject it.
Repeat these steps for all other unwanted fragments in the video. After you’re done, don’t forget to save the result.

See also:
Opening files
Saving the result

Liking a scene

You can quickly mark fragments as you play back the video.

Like a fragment – Press L to play the video and keep the fragments you pass.

Dislike a fragment – Press K to play the video and reject the fragments you pass.

You can change these keys in the Keyboard Shortcuts window.

Using the brackets

Using the bracket buttons, you can mark the beginning and end of each scene. Using the brackets works best if you only need to keep a small part of the video.

The Left Bracket marks the beginning of a clip, rejecting the parts before it.

The Right Bracket marks the end of a clip, rejecting the parts after it.

Trimming from the ends

To trim the video from the beginning or from the end, click on the seek bar and pull on the markers on the edges:

Splitting clips

Step 1: Move the position marker to the beginning or the end of a fragment.

Step 2: Click the scissors button to make a cut.

Repeat this for other fragments that you want to cut into separate files. After you’re done, don’t forget to save the result.

See also:
Opening files
Saving the result

After you've cut the video into clips, you can edit each clip for more precise splitting.

Editing clips
To change the left and right borders of a clip, do any of the following:
• Click on a clip and drag the white markers on its edges to change its length.
• Click on a marker and press the left or right arrow keys to move it by exactly one frame.
• To move a clip, select it and drag it by the center.

Setting exact time
In the Resulting clips column on the right, the exact beginning and end time is listed for each clip. Click the time and manually enter the new time into the box.

Discarding clips
To discard an entire clip, select it on the Timeline on in the Resulting clips column and click the trash can button.

Merging clips
To merge two or more clips into one contiguous clip:
1. Select the clips you want to merge on the Timeline or in the Resulting clips column. Hold Ctrl to select multiple clips.
2. Right-click on the clips and select Merge from the pop-up menu. All of the selected clips (as well as any rejected fragments between them) will be marked as one single clip.

Inverting clip selection
Open the Edit menu and select Invert clips in the pop-up menu. This will invert the selection for the entire file, meaning that previously rejected fragments will be saved, and selected parts will be rejected.

Resetting clip selection
If you want to start over, click the Reset button on the toolbar or right-click in the Resulting clips section and select Delete All.
Saving the result

After you've split the scenes and removed unwanted fragments, you'll need to save the resulting clips. The saving options are located in the bottom right-hand corner of the window.

**Step 1:** Select how you want to save the file
- If you want to cut the video into several files, select **As separate files**.
- If you want to save the video as a single file without the rejected parts, select **As a single file**.

**Step 2:** Click **Save**.

**Step 3:** You may be asked to choose a folder for saving the video. Click the folder icon in the dialog box to change the folder. Click **OK** to start saving the resulting clips.

*Hint:* If you want to keep using this folder, choose **Always save to this folder without asking**. You can always change this option on the **Saving** tab of the **Preferences**.

**Keyboard shortcuts**

For faster editing, the most commonly used actions are bound to shortcuts or hotkeys.

**To open the list of shortcuts:**
1. Open the **Settings** menu.
2. Select **Keyboard Shortcuts**.

**To change a shortcut:**
1. Double-click the field next to the action you want.
2. Press the key or key combination you want to use.

Note that some key combinations may not work because if they are used by your system.
Splitter preferences

To open preferences, go to the Settings menu. The options are sorted into two tabs at the top.

**General**

**Language** – Changes the interface language.

**Automatically check for updates** – Whenever a new version is available, you will be notified when you start the program.

**Send anonymous usage stats to Movavi** – Lets the program collect statistics about how you use the program. The data does not contain any personally identifiable information and is only used for improving our software. You can find more information about how we use the statistics on our Movavi Improvement Program page.

**Use software OpenGL implementation** – this option can be useful if your computer doesn't support the necessary OpenGL version and you see an error message when you start the program.

OpenGL is a software interface that manages graphics output. Usually, OpenGL is handled by your graphics card driver. However, some graphics cards do not support the necessary version of OpenGL. For these graphics cards, you can use this option to download and install a software replacement. Installation will run automatically, but you will need an Internet connection to download the files.

If Movavi Split Movie runs without showing an OpenGL error message, this option is not recommended.

Learn more about OpenGL troubleshooting

**Saving**

**Destination folder** – this is where the resulting files will be saved by default. To change the location, click the folder icon on the right.

**Always save to this folder without asking** – if this option is disabled, you will be prompted to choose a folder every time you save videos.

**Play notification sound when splitting is finished** – a sound will play when the resulting clips have been saved.
Add to Favorites

You can add the features you use most frequently to the Favorites tab.

Launch the program
Open the Movavi Video Suite launcher.

Open the window with features
Click the Plus icon on the Favorites tab.
Add features to the Favorites tab
Choose the feature you need and add it to your Favorites tab by clicking Add.

Help and support
Didn’t find what you were looking for? Need help with a problem? Have a suggestion? Contact our support team and we’ll help you right away.

How to reach us
By e-mail: support@movavi.com
Fill out a support form
We guarantee a response within 3 business days!

If you ran into a problem, please describe it in as much detail as possible; any screenshots, log files, or information about your system will allow us to help you faster.

Frequently asked questions:
How to remove trial restrictions?
Why do my videos have "trial version" on them
What are the system requirements for running Movavi Video Suite?
How to update the graphics card drivers?

System requirements

<table>
<thead>
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<th>Minimum system requirements</th>
<th>Recommended configuration</th>
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Operating system | Windows® 7/8/10 with latest service packs and patches
---|---
Processor | Intel, AMD or compatible processor, 1.5 GHz
| Intel, AMD or compatible processor, 2.8 GHz and above
Graphics card | NVIDIA® GeForce™ series 6 or higher, AMD Radeon™ R600 or higher graphics card with up-to-date drivers*
Resolution | 1280x768, 32-bit color
| 1280x1024 or higher
RAM | 2 GB
| 4 GB
Available disk space | 830 MB for installation
| 2 GB for ongoing operations**
| 10 GB
---|---

Administrator permissions are required for installation

Additional features:
- Sound card for audio recording and playback
- Intel® hardware acceleration requires a compatible Intel processor supporting Intel HD Graphics™ 2nd generation or higher
- For intended performance, make sure that your graphics card drivers are up-to-date.

* Your graphics card must support OpenGL for the program to run correctly.
** Free disk space is required to save the temporary recording file and the output video. The required amount of disk space will depend on the resolution, format, and length of your videos.

Movavi Video Suite may also run on slower machines, however, we cannot guarantee stable performance if the minimum requirements are not met.

### Supported formats

#### Video formats

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**Supported codecs**

- H.263, H.264, MPEG-4
- DivX, Xvid, DV, Cinepack, Fraps, TechSmith, Uncompressed
- DivX
- FLV1, H.264
- MPEG-2, H.264
- DV, Uncompressed
- H.264, MPEG-4, Theora, VP9
- DV, Uncompressed
- H.264, MPEG-4, JPEG, Theora, VP9
- MPEG-2, H.264
- MPEG-2, H.264
- H.263, MJPEG, ProRes
- MPEG-4, H.264
- MPEG-4, H.264
- MPEG-4, H.264
- MPEG-4, H.264
- H.264, MPEG-4, Theora
- AAC
- AIC, ProRes, Sorenson 1/3, PNG
- H.264, MPEG-4, AIC, ProRes, Sorenson 1/3
- Real Video 2/3/4, Cooker
- VP8, VP9
- WMV V8
- WMV V7, WMV 9, WMV 9 Screen, WMV 9 Advanced profile, MPEG-4, WMV 9.1 Image V2
- H.264, MPEG-2

#### Audio formats

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**Supported codecs**

- AAC
- AIC
- Monkey's Audio
### Audio Formats

<table>
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<th>Audio Codec Type</th>
<th>Audio File Extensions</th>
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<tbody>
<tr>
<td>Au (.au, .snd)</td>
<td>✅</td>
<td>WAV</td>
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<tr>
<td>FLAC – Free Lossless Audio Codec (.flac)</td>
<td>✅</td>
<td>FLAC</td>
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<td>MP3 – MPEG-1/2 Audio Layer III (.mp3)</td>
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<td>MPEG-4 (.m4a)</td>
<td>✅</td>
<td>AAC, ALAC</td>
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<tr>
<td>MPEG-4 (.m4b)</td>
<td>✅</td>
<td>AAC, PCM</td>
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<tr>
<td>Opus (.opus)</td>
<td>✅</td>
<td>Opus</td>
</tr>
<tr>
<td>OGG – Ogg Audio (.ogg)</td>
<td>✅</td>
<td>Vorbis</td>
</tr>
<tr>
<td>WAV – Waveform Audio File Format (.wav)</td>
<td>✅</td>
<td>PCM</td>
</tr>
<tr>
<td>WMA – Windows Media Audio (.wma)</td>
<td>✅</td>
<td>WMA 9</td>
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<tr>
<td>WMA – Windows Media Audio (.wma)</td>
<td>✅</td>
<td>WMA Pro, WMA Voice</td>
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### Image Formats

<table>
<thead>
<tr>
<th>Image Format Type</th>
<th>Input</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>APNG (.apng)</td>
<td>✅</td>
<td>✅</td>
</tr>
<tr>
<td>BMP (.bmp)</td>
<td>✅</td>
<td>✅</td>
</tr>
<tr>
<td>DPX (.dpx)</td>
<td>✅</td>
<td>✅</td>
</tr>
<tr>
<td>GIF (.gif)</td>
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<tr>
<td>JPEG (.jpg)</td>
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<tr>
<td>JPEG (.jpeg, .jpg, .jp2, .jls)</td>
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<td>✅</td>
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<tr>
<td>Netpbm formats (.pgm, .pbm, .ppm, .pam)</td>
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<td>PCX (.pcx)</td>
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<td>PNG (.png)</td>
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<td>PTX (.ptx)</td>
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<td>XBM (.xbm)</td>
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</tr>
<tr>
<td>XWD (.xwd)</td>
<td>✅</td>
<td>✅</td>
</tr>
</tbody>
</table>

### Updating graphics card drivers

If you encounter an error message asking you to update your graphics drivers, you will need to download a new driver from your graphics card manufacturer’s website and install it on your system. Some graphics card drivers also have a useful utility that notifies you when a driver update is available and updates the driver automatically. Keeping your graphics card drivers up-to-date will ensure stable performance of applications and games on your computer.

**Step 1: Find your graphics card manufacturer**
1. Right-click your desktop and choose **Screen Resolution**.
2. In the Screen Resolution settings window, click **Advanced settings**.
3. This will open your graphics card properties. At the top of the window, your graphics card model will be listed under the **Adapter Type** section. Note the full name of the graphics card somewhere for later.

**Step 2: Download the new version**

Now that you’ve learned your graphics card manufacturer and model, go to the manufacturer’s website and find driver downloads. There, look for the model or series that you’ve found earlier and download the driver installation file. Some manufacturers may also offer a utility that will automatically find the necessary driver.

**NVIDIA download center**

**AMD download center**

**Warning:**

Only download drivers from the official manufacturer’s website. Third-party websites offering driver downloads may contain malware.

**Step 3: Install driver**

Once the file is completely downloaded, run the installation file and follow the onscreen instructions to install the driver on your system. Your display may blink several times in the process. After the installation has finished, it is advised that you restart the computer.

### Updating NVIDIA® Driver

Modern NVIDIA graphics cards come with a special application called **NVIDIA GeForce™ Experience** that monitors driver updates and allows you to optimize your computer’s graphics performance.

1. Open the **NVIDIA GeForce Experience** application. It should already be installed on your system. If you cannot find the application, please try the method above.
2. In the **Drivers** section, click the **Check for updates** button to find the latest drivers.
3. When the application has found a newer driver, click the **Download driver** button. From here, the software will automatically download and install the necessary driver for your system.

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Updating AMD® or ATI® Driver

1. If you have an AMD or ATI graphics card, go to the Driver Download Center on AMD’s official website.

   AMD Driver Download Center

2. Download the auto detect utility and run it when the download has finished.

   Download Auto Detect Utility

3. The utility will then automatically find your graphics card and help you download and install the right driver for your system. If the utility fails to find a driver for you, you can manually select your graphics card model and operating system on the Driver Downloads page and download the driver.

4. After the driver has downloaded, run the installation file and follow the on-screen instructions to install it.

5. After the driver has been installed, it is recommended that you restart your computer.

If none of the above steps have helped, feel free to contact our support team via e-mail support@movavi.com or live chat. If possible, please include the name of your graphics card model (see Step 1), as well as screenshots of any error messages you have encountered. This will help our support team specialists solve your problem quicker.

OpenGL troubleshooting

If you see the following message about OpenGL when you open Movavi Video Suite, your computer most likely does not support the necessary version of OpenGL. To run Movavi Video Suite, your computer needs to support at least OpenGL version 2.0, and version 2.1 is required for smooth performance.

OpenGL is a software interface that manages graphics output. Usually, OpenGL is handled by your graphics card driver. However, some graphics cards do not support the necessary version of OpenGL. For these graphics cards, you can try the steps below:

**Step 1: Update your graphics card driver**

 Sometimes, this issue may occur when something is wrong with the graphics card drivers or they are out of date. Download the driver installation file from the manufacturer’s website and install it following the on-screen instructions.

 [Detailed instructions on updating the driver](#)

 It is recommended that you restart the computer after installing driver software. After that, try starting Movavi Video Suite. If you see an error message again, proceed to the next step.

**Step 2: Try the software OpenGL implementation**

 If your graphics card still doesn’t support OpenGL 2.1 even after updating the driver, you can use a software alternative:

 In the message you see after starting Movavi Video Suite, select the Download and install software OpenGL implementation box.

 Or, in the main Movavi Video Suite window, open the Settings menu and choose Preferences. There, select the Use software OpenGL implementation option and click OK.
After that, the software OpenGL package will be automatically downloaded and installed. When the installation is finished, restart Movavi Video Suite.

If these steps haven't helped:
• Check that your computer meets the minimum system requirements. Your graphics card must support at least OpenGL 2.0.
• Contact our support team. Provide your graphics card model and list the steps you’ve taken to solve the problem.

Hardware acceleration

Movavi Video Suite is optimized for the latest Intel®, NVIDIA®, and AMD hardware acceleration technologies.

Intel acceleration

Movavi Video Suite supports hardware acceleration provided by Intel® multi-core processors and integrated graphics, which allows for faster encoding/decoding, as well as simultaneous conversion of a large number of files by employing the full power of each core. Performance grows up to 400% for H.264 and MPEG-2 codecs and up to 8 files can be processed simultaneously.

Supported Formats
Input Video Formats: AVI, MP4, FLV, MKV, MOV, MPEG2-TS with H.264 codec; MPEG (MPEG2 PS, MPEG2 TS) with MPEG1/MPEG2 codec; WMV with VC-1 codec.
Output Video Formats: 3GP, 3GP2, AVI, FLV, M2TS, MKV, MP4 with H.264 codec; M2TS, MPEG with MPEG2 codec.

NVIDIA acceleration

If your computer is equipped with an NVIDIA® graphics card, you can use it to accelerate media file processing up to 5x by shifting a part of the workload to the graphics processing unit, freeing up your computer's CPU for other tasks. This technology supports the newest NVIDIA® graphics cards, including GeForce™, GeForce Mobile, Quadro, and Quadro Mobile. You can find the full list of supported GPUs on our webpage.

Supported Formats:
Input Video Formats: AVI, MP4, FLV, MKV, MOV, MPEG2-TS with H.264 codec, MPEG (MPEG2 PS, MPEG2 TS) with MPEG1/MPEG2 codec, WMV with VC-1 codec.
Output Video Formats: 3GP, 3GP2, AVI, FLV, M2TS, MKV, MP4 with H.264 codec.

AMD acceleration

If your computer is equipped with an AMD graphics card, you can use it to accelerate media file processing up to 2,5x, especially for heavy files (2K & 4K).

Output Video Formats: 3GP, 3GP2, AVI, FLV, M2TS, MKV, MP4 with H.264 codec. MP4, MOV, MKV, M2TS with H.265 codec.

Enabling hardware acceleration

To enable Intel or NVIDIA acceleration in Screen Capture, or Video Converter:
1. Open the Settings menu and select Preferences.
2. In the Preferences window, select the acceleration method that is compatible with your computer.
3. Click OK to accept the changes.

To enable Intel or NVIDIA acceleration in the Video Editor:
1. Open the Edit menu and select Preferences.
2. In the Preferences window, switch to the Acceleration tab.
3. Select the acceleration method that you prefer. For Intel® acceleration, you can choose hardware or software acceleration methods for each of the supported codecs.
4. Click OK to accept the changes.

Troubleshooting

If the acceleration option is unavailable it may mean one of the following:
• Your computer is not equipped with the right hardware
• The driver may be out of date or not installed.

Intel Download Center
Updating graphics card drivers

Codec activation

Some video and audio codecs are patented by other companies, and it is required that new users activate the codecs they use to comply with patent law.

Activate codecs on demand
1. When you open a media file or export your project with one of these codecs, you may see a Codec Activation message.
2. Select the Activate other codecs without asking box to activate all codecs automatically in the future. The codecs will be activated automatically, but an Internet connection is still necessary.
3. Click Activate to complete the codec activation.

Codec could not be activated
If you see a codec activation error, make sure that you have a working Internet connection. Without Internet, the codecs cannot be activated even if you’ve chosen to activate them automatically. After you’ve restored the network connection, please restart the application.

**What kind of data is being sent?**
The data we send does not contain any information that can personally identify you. We only receive information about which codecs were used.