

Toolkit: Artificial Intelligence (AI) in Adobe Premiere Pro

Adobe Premiere Pro is a powerful video editing software used by professionals and hobbyists alike. It offers a comprehensive suite of tools for editing, color grading, adding sound effects and music, and creating professional-quality videos. Premiere Pro utilizes AI in various ways to streamline workflows, improve editing efficiency, and unlock creative possibilities. This toolkit provides instructions for using five of the Adobe Premiere Pro AI tools: **Automatic Transcription**, **Text-Based Editing**, **Scene Edit Detection**, **Remix**, and **Auto Reframe**.

Before you start, ensure you and your students have [Adobe Creative Cloud](#) accounts.

Adobe Premiere Pro

Access Adobe Premiere Pro

Instructions

- OPTION 1: Open **Adobe Creative Cloud** and select **Premiere Pro** from the list of installed applications.
- OPTION 2: Open the **Premiere Pro** application directly.
- Adobe Premiere Pro Resources:
 - [Adobe Premiere Pro Learn & Support](#)
 - [Learn Premiere Pro](#)
 - [Adobe Video & Motion YouTube Channel](#)

Ideas

Automatic Transcription

Automatic Transcription utilizes AI technology to analyze the audio content and convert it into text, making it easier to create subtitles or captions for your videos. This generated transcript is also used for **Text-Based Editing**.

Instructions

1. Start a **New Project** in Adobe Premiere Pro.

2. Open the **Adobe Premiere Pro 2024** menu, move to **Settings...**, and then select **Transcription...** at the bottom of the list to open the **Preferences** dialog box in the **Transcription** section.
3. Under **Automatic Transcription** check the box for **Automatically transcribe clips**.
4. Open the **Transcription preferences** dropdown list and make a selection. Options include:
 - **Auto-transcribe all imported clips**: To transcribe all existing and newly imported clips.
 - **Auto-transcribe only clips in sequence**: To transcribes all clips in a sequence.
5. Open the **Speaker Labeling** dropdown list and make a selection. Options include:
 - **Yes, separate speakers**: Identifies speaker in the transcript (Speaker 1, Speaker 2). Speaker names can be edited after transcription.
 - **No, don't separate speakers**: Speakers are not identified in the transcript.
6. Under **Transcription Language** check the box for **Enable language auto-detection**.
7. Open the **Default language** dropdown list and select the language most commonly used in your content.
 - There are currently 18 languages available.
 - When language auto-detection is enabled, the default language is used as a fallback if the language can't be detected.
8. Click **OK** to save your preferences.
9. Select the clips to be imported and click **Create** to begin the new project.
10. Adobe Premiere Pro's AI automatically transcribes the audio. This takes time depending on the length of the clips.
11. Once the transcription is complete, it's displayed on the **Transcript** tab. Review the transcript. Double-click portions that need corrections to make edits to the text.

OPTIONAL: If you chose the **Recognize when different speakers are talking** option you can edit speaker names. Click the three dots (...) next to a speaker name and select **Edit speaker name...** to display the **Edit speakers** dialog box. Then enter a new name and click **Save**.
12. To convert the transcript to captions, click **Create captions** (CC icon) to display the **Create captions** dialog box.
 - Under **Caption preset** select **Subtitle default** from the dropdown list.
 - Under **Format** select **Subtitle** from the dropdown list.

OPTIONAL: Make adjustments to other options if desired.
13. Click **Create captions** to start the conversion.
14. The final captions are displayed on the **Captions** tab. Review the captions. Double-click portions that need corrections to make edits to the text.

OPTIONAL: To export the subtitles, click the three dots (...) on the **Captions** tab, move to **Export**, and then select your preferred format (**Text**, **CSV**, or **SRT**).

Additional tips for using **Automatic Transcription**:

- For better transcription accuracy, ensure the audio is clear, well-paced, and free from background noise.

- Combine **Automatic Transcription** with manual editing to ensure the highest level of accuracy in your transcript.
- Translate captions by exporting a caption file and then using a third-party AI program to translate the captions to another language. Then the translated captions can be uploaded back into the project.
- [How to Auto Generate Captions in Premiere Pro \(YouTube video\)](#)

Text-Based Editing

Text-Based Editing utilizes AI to allow you to make a [rough cut](#) of a video as simply as editing text in a document. This only works after a transcription has been generated (See **Automatic Transcription**).

Instructions

1. Start a **New Project** in Adobe Premiere Pro and ensure you've set-up and enabled **Automatic Transcription**.
2. Import video clips to be edited into a rough cut.
3. Select the clips to be imported and click **Create** to begin the new project.
4. Adobe Premiere Pro's AI automatically transcribes the audio. This takes time depending on the length of the clips.
5. Click the **Workspaces** icon (top right) and ensure **Text-Based Editing** is selected.
6. Once the transcription is complete, it's displayed on the **Transcript** tab and can be edited *without* altering the video (See **Automatic Transcription**).
7. In the **Transcript** tab, read through or use search to find the content you'd like to use.
8. Highlight the text in the transcript and click **Insert** to add it in the sequence. Continue adding clips from source media until everything you want to use is on the **Timeline**.
 - Premiere Pro creates a sequence transcript as clips are added to the Timeline - this is what is used to edit the rough cut.
9. Select the **Timeline** panel to switch to the sequence transcript to continue editing.
10. In the sequence transcript, select the text and use copy or paste to move clips. Your text edits are automatically applied in the **Timeline**. You can also cut or delete text to remove clips from the sequence.
11. When editing is finished **Save** your changes and export the rough cut.

Additional tips for using **Text-Based Editing**:

- You can also use the list of [keyboard commands](#) for **Text-Based Editing**.
- After editing, use the sequence transcript to [generate captions](#) for the video.
- [Text-Based Editing in Premiere Pro \(User Guide\)](#)
- [Text-Based Editing in Premiere Pro \(YouTube video\)](#)

Scene Edit Detection

Scene Edit Detection uses AI to segment a finalized video into individual scenes. This is especially useful if you misplaced the original files used for editing and only have the final version.

Instructions

12. Import a finalized video clip, that doesn't have any breaks, into Adobe Premiere Pro.
13. Right-click the video track and select **Scene Edit Detection...** to open the **Scene Edit Detection** dialog box.
14. Under **Output** ensure the checkbox for **Apply a cut at each detected cut point** is selected. Other options include:
 - **Create bin of subclips from each detected cut point:** This is great if you want to rebuild an edit!
 - **Create clip marker at each detected cut point:** Makes it easier to find in the timeline.
15. Click **Analyze** to start the process. This takes time depending on the length of the video and the number of cuts.
16. When finished, you can begin making edits to the segmented video.

Additional tips for using **Scene Edit Detection**:

- The scene edit cuts are automatically added to the linked audio as well. If you don't want that, [separate the audio from the video](#) before applying **Scene Edit Detection**.
- [Detect edit points using Scene Edit Detection \(User Guide\)](#)
- [How to detect a cut with Scene Edit Detection in Premiere Pro \(YouTube video\)](#)

Remix

Remix allows you to change the length of an audio track without having to make any manual edits. This helps when you have a music track, but it's either too long or too short. Premiere Pro's AI keeps the natural beginning and ending of the track and remixes the middle to meet the desired duration.

Instructions

- Import an audio track to be remixed into Adobe Premiere Pro.
- Select the track.
- From the **Window** menu, select Essential Sound to open the Essential Sound panel, and then select Music.
- Check the box next to **Duration** to activate the section.
- Next to **Method**, select the **Remix** option.
- Click the time next to **Target Duration** and enter the desired length of the track.
- Press the **Return** key (Mac) or **Enter** key (PC) to start the process.

- On the **Timeline**, zig zag lines on the track identify places where edits were made. Listen to the updated track to ensure it sounds the way you'd like.
- When finished, save your project.

NOTE: You can also select the **Remix** tool from the **Tools** panel to change the music duration in the **Timeline**.

Additional tips for using **Remix**:

- Remix keeps the beginning and end of your clip and remixes the middle.
- Remix does not understand the vocals in the music. Keep this in mind if remixing music with vocals.
- [Remix in Premiere Pro \(User Guide\)](#)
- [Get Better Music Tracks for Video Editing with Adobe Remix \(YouTube video\)](#)

Auto Reframe

Auto Reframe utilizes AI to automatically reframe video clips into a different aspect ratio. This feature is incredibly useful for converting a finalized 16:9 aspect ratio video into a social media post for Instagram, YouTube, or Facebook.

Instructions

1. Open a finished project to be reframed in Adobe Premiere Pro.
2. Select the sequences to be reframed in the Timeline.
3. From the **Sequence** menu, select **Auto Reframe Sequence...** to open the **Auto Reframe Sequence** dialog box.
4. Click the textbox next to **Sequence Name** and enter a name for the sequence.
5. Open the **Target Aspect Ratio** dropdown list and make a selection. Options include:
 - **Square 1:1**
 - **Vertical 4:5**
 - **Vertical 9:16**
 - **Horizontal 16:9**
 - **Custom:** Allows you to enter a custom ratio.
6. Open the **Motion Tracking** dropdown list and make a selection. Options include:
 - **Slower Motion:** Only use when there is little or no camera motion.
 - **Default:** Works well for most content, except fast action.
 - **Faster Motion:** Best when there is fast action or camera motion.
7. Under Clip Nesting select one of the two options:
 - **Don't nest clips. This will replace your current motion adjustments.:** Use when reframing finalized videos.
 - **Nest clips. This will keep motion adjustments but remove transitions.:** Use when reframing videos still being edited.
8. Click **Create** to start the process.

9. Premiere Pro AI creates a duplicate of the sequence using the dimensions for the selected aspect ratio.
10. Review the results and make any adjustments.

Additional tips for using **Auto Reframe**:

- When filming, frame shots with extra space around the subjects. This allows the footage to be repurposed for multiple mediums.
 - If using text titles, **Auto Reframe** works best when titles are created using Premiere Pro.
 - Reframe still images separately (**Auto Reframe** doesn't work with still images).
 - Applying **Auto Reframe** multiple times can cause unpredictable results, so use it only once on the original clip.
 - [Automatically reframe video for social media channels \(User Guide\)](#)
 - [Use auto-reframe in Premiere Pro to resize videos for social media \(YouTube video\)](#)
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Related Topics

- [Artificial Intelligence \(AI\) in Adobe Express](#)
- [Artificial Intelligence \(AI\) in Adobe Photoshop](#)



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