



VIDEO EDITING - For Apple Users Created & Presented by Jennene Riggs

Video editing is the process of manipulating and rearranging video footage, audio, graphics and text to tell a visual story.

It's come a long way since the old days of motion picture film editing, which involved cutting and splicing negative or tape and then physically gluing them back together - an intricate process that left little opportunity for further alterations. Now we have digital files and non-linear editing software offering an endless combination of options for editing videos and films.

Video clips are arranged on a timeline, music tracks, titles, graphics and special effects are added and the finished program is rendered into a finished video which can be uploaded online - to a web page or video hosting platform such as YouTube, Facebook, Instagram or other social media, or copied to a cloud based storage system like DropBox or Google Drive, or physical device such as a DVD or USB stick for archiving.

If you've planned your video well, editing will be a staged process of laying your footage into a 'timeline' and rearranging it to match your storyboard or script.

Editing generally works in 3 stages -

- **Story and Pre-Production** - organising all your *assets* (video, sound, graphics, any photos, etc) into *bins* or *folders*, compiling and reviewing your footage in your editing software, laying it in the *timeline* ready to edit with
- **Rough Cut** - assembling the clips in the right order and *cutting* them to suit your story, adding *transitions*, adjusting audio, adding music and any titles or *lower thirds*
- **Fine Cut** - fine tuning the timeline, then *colour correcting* the vision and adding any *special effects* or *filters*, before *rendering* and *exporting* your completed video

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iMovie



- iMovie is compatible with Macs and iOS devices and free on all Apple products.
- It is designed to work with photos and videos from iPhones, iPads, and iPod touch devices, but also works with a wide range of other camcorders and digital still cameras
- Allows you to create and edit videos by cutting together clips, adding titles, music, sound effects, basic colour correction, special effects
- Makes it easy to share your work directly to a video hosting platform
- You can go to <https://support.apple.com/imovie> for help and tutorials. For iPad scroll down page to 'iMovie for iPad'

Create Your Video - Step-by-Step

1. Open iMovie
2. In the **Projects** browser, tap the **Create** button +, then tap **Movie**
3. The **Moments** screen appears, showing your media organized into moments – all the photos and video clips from a particular day or event
4. Touch and hold image thumbnails to preview photos at a larger size or to play video clips
5. **Tap the photos and video clips you want to include** in your movie. Selected items appear with a blue checkmark icon
6. **Tap Create Movie** at the bottom of the screen. You will see that iMovie creates a '**Timeline**' with all the photos/video you've imported

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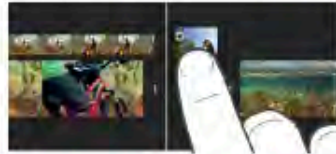


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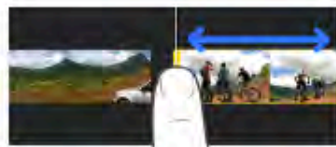
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Editing Your Video – Order, Trimming, Splitting

- You can **move, trim or rotate** a video or photo using simple gestures. Tap a clip to reveal additional controls (in the 'Inspector') to duplicate, split or delete it
- To change the order of videos or photos in the timeline – Touch and hold the video clip or photo until it pops off the timeline. Drag it to a new location and release.



- To add another photo or video to your project - With your project open, scroll the timeline so that the playhead (the white vertical line) appears where you want to add a video clip. Tap the **Add Media button** + in the upper right corner, then tap either Video or Photo.
- To Trim your video clip or photo in the timeline to shorten or lengthen it – Tap the video clip or photo you want to trim, drag either yellow trim handle to shorten or lengthen the clip or photo. (*if you try to increase the clips length but the trim handle won't move, it means there are no additional frames of video on that end of the clip)



- You can split a video clip to adjust the duration of each section, remove unwanted sections, or add different titles to each section. To Split a clip – Tap a video clip in the timeline to reveal the inspector at the bottom of the screen, tap the **Actions button** , then tap **Split**

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Editing Your Video – Effects & Filters

- **To zoom in or out** – Pinch closed in the centre of the timeline to zoom out, or pinch open to zoom in (zooming in lets you see more detail in each clip and may make it easier to trim. Zooming out lets you see more clips in the timeline at once, without scrolling)



- **To quickly navigate to the beginning of your project** – Touch and hold the left side of the timeline, where the video meets the edge of your screen
- **To quickly navigate to the end of your project** – Touch and hold the right side of the timeline, where the video meets the edge of your screen
- **Add video filters** – You can convert a colour clip to black and white or apply other filters. Tap the **Filter** button, tap a filter to preview it in the viewer. When you're finished, tap outside the filters to dismiss them. If you want to **apply a filter to a whole project**, tap the **Project Settings** button, tap a filter to select it, then tap outside the project settings to close them.
- **Adjust effects in the viewer**- The **Viewer** includes controls for adjusting effects, including how photos move using the '**Ken Burns effect**'. iMovie applies the Ken Burns effect to the photos so that the camera appears to sweep across and zoom in and out on the photo (to make it a bit more dynamic). You can adjust this effect so that the motion starts and ends on the parts of the image you specify –
 1. In the timeline, tap the photo you want to adjust. The Ken Burns effect controls appear in the lower-right corner of the image in the viewer.
 2. To set the way the photo is framed at the beginning, tap the **Start** button ◀.
 3. Pinch to zoom in or out, then drag the image in the viewer to frame it the way you want.
 4. To set the way the photo is framed at the end, tap the **End** button ▶.
 5. Pinch to zoom in or out, then drag the image in the viewer to frame it the way you want
 6. To close the controls, tap outside of the clip
- To turn off the Ken Burns effect for the photo, tap the **Ken Burns Enabled** . To turn on the Ken Burns effect, tap the **Ken Burns Disabled** .

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Editing Your Video – Adding Music

- To add background music to a movie project tap the **Add Media** button + in the upper-right corner, then tap **Audio** at the bottom of the media browser.
- To add theme music, scroll down to the **Theme Music** section of the **Soundtracks** list, and tap a theme music name
- You can also **add songs that you have created** in GarageBand, Logic Pro X, or another app and imported into iMovie using iCloud Drive or Music on your computer. To do this –
 1. With your project open, scroll the timeline so that the playhead (the white vertical line) appears where you want to add the song or audio clip. If the playhead is resting over an existing clip, the new clip is added either before or after the existing clip, whichever is closest to the playhead.
 2. Tap **Audio** at the bottom of the media browser. If the media browser is not visible, tap the **Add Media** + button in the upper-right corner, then tap **Audio** at the bottom of the media browser
 3. Tap **iCloud Drive** in the list of categories
 4. In the iCloud pane, navigate to the folder containing the audio you want to use
 5. Tap the name of the song or audio clip you want to add, then tap the **Add Audio** button ⊕.



Tip – Songs that appear dimmed or are marked Unavailable need to be downloaded to your device for use. If a song on your device still appears unavailable after downloading, it may be protected by copyright.



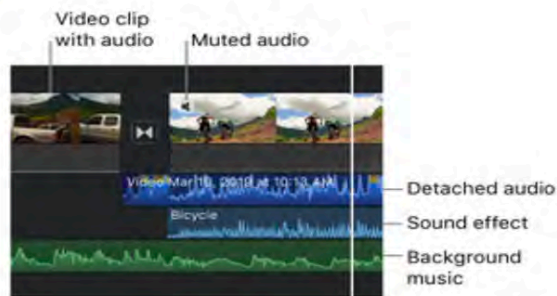
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Editing Your Video – Adjusting Music

Audio waveforms are visual representations of sound. You can show audio waveforms to fine-tune volume levels of your actual sound and music, and fade the audio in or out. Because photos don't contain audio, they don't have any waveforms



- Tap the **waveform** button .

Waveforms change as you adjust clip volume and are colour-coded with yellow and red peaks, so you can see whether your audio is too loud or distorted.



Yellow indicates that the audio is *just above the ideal volume range*.

Red indicates that the *audio is too loud* and potentially distorted; you should *lower the clip's volume until there is little to no red*.

- If you mute a clip, the waveform appears dimmed but is still visible
- **To adjust volume** – tap a clip in the timeline to reveal the inspector at the bottom of the screen. Tap the **Volume** button .
- Do any of the following:
 1. **Turn sound off or on for a clip:** Tap the **Mute** button  next to the volume slider. When the clip is muted, tap the **Mute** button again to turn sound on
 2. **Adjust volume:** Drag the volume slider left or right. To make sure that the sound in your video clips can be heard over the background music, iMovie applies audio “**ducking**” to background music which lowers the volume of background music for you. When a video clips sound is off, ducking isn't applied
- Tap outside the inspector to close it

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Editing Your Video – Adjusting Music

You can **add fade-ins and fade-outs** to audio clips in the timeline using fade **'handles'**. Fades appear as shaded areas in the clip to represent where the volume increases or decreases.

*If you have a video clip with audio, you must first **Detach** the audio as a separate clip in order to create fade-ins or fade-outs.

- **To detach an audio clip** – Tap an audio clip in the timeline to reveal the inspector. Tap the **Actions** button , then tap **Detach**. A new blue-coloured audio clip appears beneath the video clip which you can now move, delete, or edit separately from its parent clip
- **To fade audio in or out** – Tap an audio clip in the timeline to reveal the inspector at the bottom of the screen. Tap the **Volume** button. Tap **Fade** to reveal fade handles at the beginning and end of your clip




- Drag the fade handles to set the duration of the fade-in and fade-out

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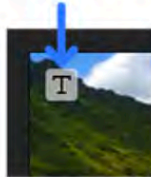


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Editing Your Video – Titles


- **To add a title to any video clip or photo in your project** – Tap a video clip or photo in the timeline to reveal the inspector. Tap the **Titles** button .
- Tap to select a title style, To turn off titles, tap **None**
- To change where the title appears onscreen, tap **Centre** or **Lower**
- In the viewer, tap the sample title, then type your new text for the title. Tap **Done** on the keyboard

A photo or video clip with the title appears in the timeline with a T icon in the upper-left corner



Editing Your Video - Saving & Exporting

- **To name your video** – Tap the **Done** button in top-right of the editing screen. Tap on **My Movie** and the x button to delete this text. Replace it with your own video title.
- **To save your video to the photo library** – If you want to send your finished video to your Mac so that you can view, or further edit it there, save it to the photo library
 1. From the **Projects** browser: Tap the video you want to share. Tap the **Share** button , then tap **Save Video**
 2. If prompted, tap the size you want to export (Medium produces a smaller file that uploads to the web more quickly. HD produces a larger file that’s great for viewing on a computer or HDTV)

* When the export is complete, the finished video appears in the Photos app on your device
- **To save your video to iCloud** – You can save your video to iCloud so that it can be accessed from another device
 1. From the **Projects** browser: Tap the video you want to share.
 2. Tap the **Share** button , then tap **Save to Files**. Choose the iCloud Drive folder where you want to save the file and tap **Add**

* You can also share to Facebook or YouTube by tapping their icons when prompted. Instagram is more tricky!

Notes