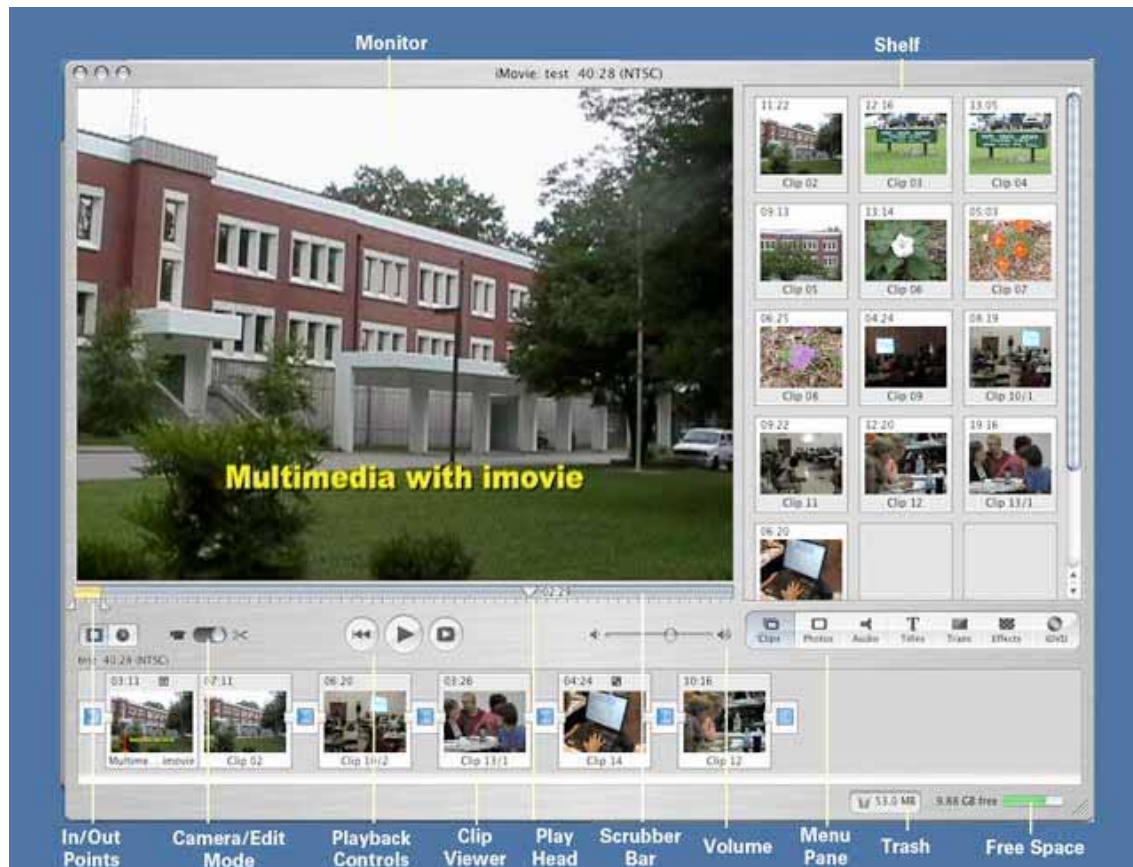


About iMovie

iMovie is a free application for Mac users that is designed to capture, edit, and playback video. Its ease of use and high quality make it ideal for creating instructional videos in the classroom.

iMovie Controls

Below you see the iMovie screen and the controls that are used to create movies. An explanation of the use of each follows:



Monitor: Preview your video clips in this window.

Shelf: bins where captured video clips are imported and organized.

In/Out points: Select an area in the Scrubber Bar to copy portions of a video clip and paste into the Clip/Timeline Viewer. You extend the selection by dragging the small triangles.

Camera/Edit Mode: Selects Camera or Edit mode.

Playback Controls: Controls playback of movie or the operation of the camera depending on whether Camera or Edit mode is selected.

Clip/Timeline Viewer: Area where you add/edit video clips, sound, music and pictures by applying transitions, titles and filters.

Playhead: Cursor that shows exactly where you are in a clip or movie.

Scrubber Bar: Scroll within a single clip, or the whole movie.

Volume Control: Set volume for preview playback.

Menu Pane: Menus for adding filters, transitions, music and sounds.

Trash: Holds deleted files such as trimmed clips, sounds and pictures.

Free Space: Shows amount of hard drive space available.

Connecting a DV Camera

Connect your DV camera to your computer using a 6-pin to 4-pin Firewire cable. Turn the camera on and set the camera to VCR mode. The words **Camera Connected** should appear in the Monitor window. If you see the message **No Camera Attached**, click the **Camera button**.

Controlling the Camera

Your DV camera is controlled by iMovie when you click on the Playback Controls. Use these buttons to rewind, fast forward, pause, play and stop. Make sure your camera is cued up to the place you want to start capturing from.



Capturing Clips

To start capturing clips, click the Import button above the Playback Controller. The clips will be automatically imported onto the Shelf. iMovie detects the end of each video clip (where you stopped recording) and starts a new clip in the next Shelf bin. When you have all the clips you want, press the stop button.

Editing Video Clips

To edit video clips in iMovie do one of the following: **Select and Delete**, **Select and Crop**, **Duplicate** and **Split Clip at playhead**. Each of these can be undone by selecting *Undo* from the *Edit Menu* or pressing Command-Z. You can only **Undo** the last action performed.

Deleting



Select the part of the clip that you wish to **delete** by dragging the in/out arrows and then press the *delete* key. Deleting from the middle of a clip will create two clips - one for each end.

Cropping



Select the part of the clip that you wish to **keep** by dragging the in/out arrows and then select *Crop* from the *Edit Menu* or pressing Command-K. This deletes the beginning and end of the clip.

Duplicating



Select a video clip or a part of a video clip that you wish to duplicate. Copy it by selecting *Copy* from the *Edit*

Menu or by pressing Command-C. Move your play head in the **Timeline**, to the place you want to Duplicate the video clip and paste it by selecting *Paste* from the *Edit Menu* or pressing Command-V. You can also duplicate a video clip in the **Clip Viewer** by Option-click and drag.

Splitting Clip at Playhead



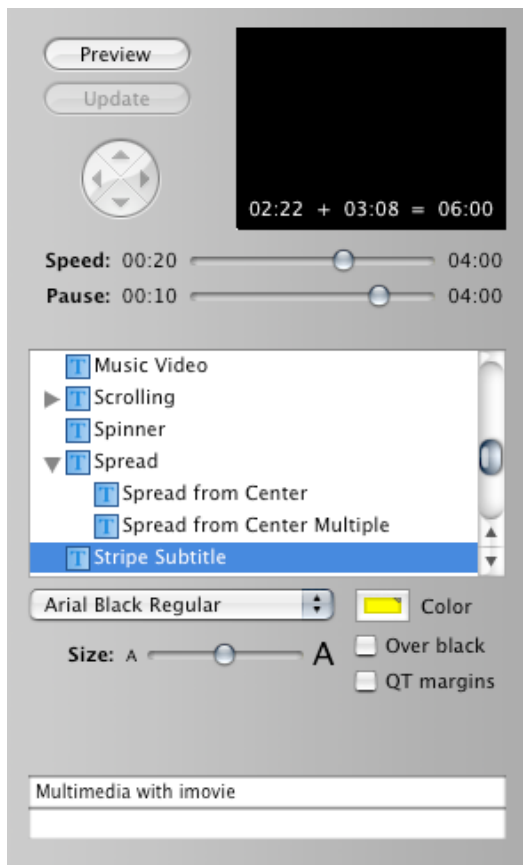
Move the playhead to the point at which you wish to split the video clip. Select *Split Clip at Playhead* from the *Edit Menu* or press Command-T.

The clip will be split into two parts. The new clip will be identified by a slash between the clip name, ex: *Clip 12/1*

Sequencing

You can rearrange the order of the video clips in the Clip/Timeline Viewer at anytime. Keep in mind that transitions or titles may have to be re-rendered if you move them. It is best to place the video clips in the order you want before adding titles and transitions.

Titles



Previewing a Title

Click on the Title pane. A list of titles that are available are displayed in a scroll box. When you click a title name, a preview of the title is displayed in the Title preview window at the top. The title preview will be superimposed over which ever video clip you have selected.

Adjusting the Duration of a Title

Change the duration of the title by dragging the **speed slider** to the left or right. Change the pause time of the title (how long the title stays on the screen) by dragging the **pause slider** to the left or right. The preview will change according to your settings. The numbers in the preview window from left to right show the speed + the pause = the length of the title.

Adding and adjusting your text

Each Title will have a text box to enter your text. The amount of text that you enter depends on the type of title, credit or caption that you have selected. You don't have to add text to all text boxes.

After entering your text, select a font from the font popup menu. Change the size of the text by moving the **Size slider** from left to right. Make sure to choose a font that will be readable. Arial, Helvetica and Verdana are good choices.

Change the color of the text by clicking on the color well next to the font popup list. Choose a color that contrasts with the background you will be superimposing on. If you want the title to appear over a black background, click the **Over black** check box.

If you have selected a title that is animated, ex: *Cartwheel*, you can change the direction of the animation by clicking the appropriate arrow in the direction wheel. Select the arrow that points the direction of travel you want the letters to go.

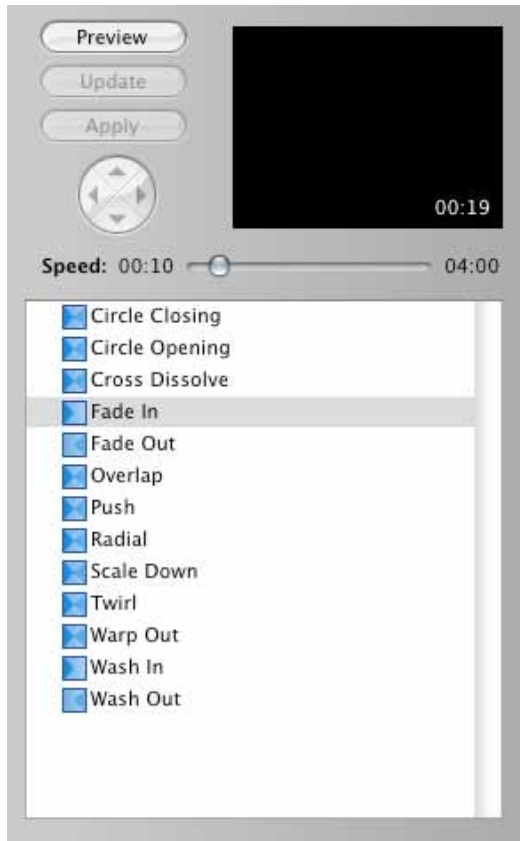
Applying your Title

To apply a title to a video clip, move the playhead to the exact position you want the title to begin. A title can not be added to a video clip that already has a transition. If you've selected a point that is part way through a clip then split the clip. Drag the title name from the popup list of titles directly into the **Clip/Timeline** viewer and release it where you want it superimposed. The other video clips will automatically adjust to fit the new title.

Rendering a Title

Each title has to be rendered before you can preview it. A red line along the bottom of the video clip indicates the rendering progress. You can continue to work editing other video clips while rendering takes place.

Transitions



Previewing a Transition

Click on the Transition pane. A list of transitions that are available are displayed in a scroll box. When you click a transition name, a preview of the transition is displayed in the Transition preview window at the top. The transition preview will execute between which ever video clips you have selected.

Adjusting a Transition

Change the duration of the transition by dragging the **speed slider** to the left or right. The length of the transition is displayed in the lower right corner. A transition can not be longer than the video clip on which it is applied.

Inserting a Transition

To apply a transition to a video clip, drag the transition name from the popup list of transitions directly into the **Clip/Timeline** viewer and release it between the two clips you want the transition added to. A transition icon will be added between the two video clips.

Rendering a Transition

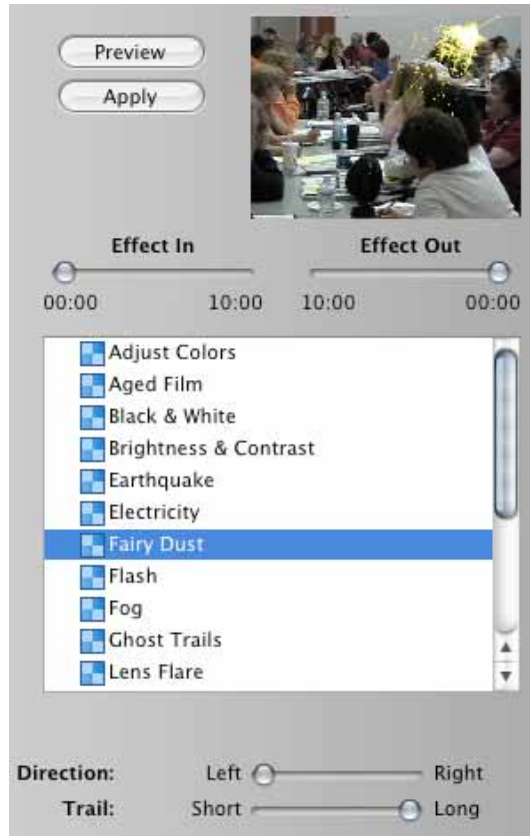
Each transition has to be rendered before you can preview it. A red line along the bottom of the transition icon indicates the rendering progress. You can continue to work editing other video clips while rendering takes place.

Slow Motion/Reverse Direction

To speed up or slow down a video clip, select the video clip you want to edit. Below the Clip/Timeline viewer is a slider with rabbit icon (fast) on the left and a turtle icon (slow) on the right. Move the slider to the left or right to speed up or slow down the video clip.

To reverse the direction of a video clip, select the video clip you want to edit. Select *Reverse Clip Direction* from the *Advance Menu*. The video clip will now play in reverse.

Filters



Previewing a Filter

Click on the Filter pane. A list of Filters that are available are displayed in a scroll box. When you click a Filter name, a preview of the Filter is displayed in the Filter preview window at the top. The Filter preview will execute over which ever video clips you have selected.

Adjusting a Filter

Change a setting for a Filter by dragging the appropriate **slider** to the left or right. Each Filter has its own unique set of options.

Inserting a Filter

To apply a Filter to a video clip, select a video clip in **Clip/Timeline** viewer. Choose the Filter you want to apply and click the **Apply button**. You can add a Filter to a section of a video clip by using the In/Out points in the Scrubber to select a portion of the video clip. The video clip will be cut into 3 separate clips, the middle one will contain the applied Filter.

Rendering a Filter

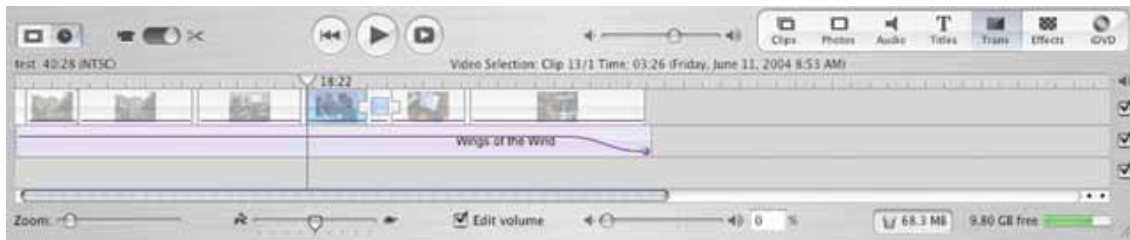
Each Filter has to be rendered before you can preview it. A red line along the bottom of the video clip indicates the rendering progress. You can continue to work editing other video clips while rendering takes place.

Music/Soundtracks



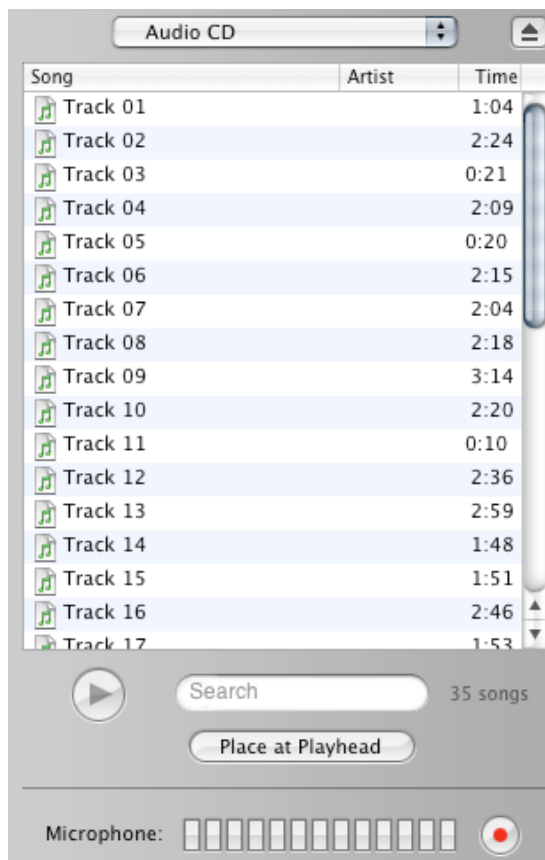
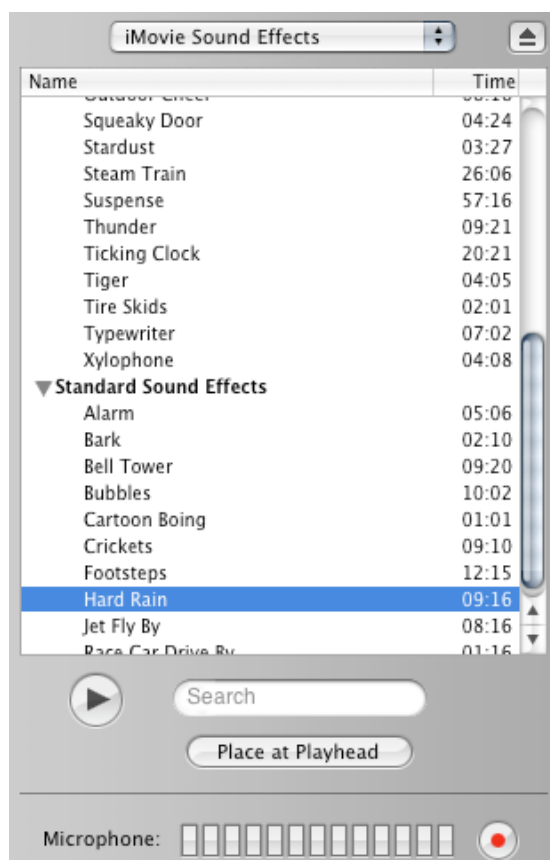
To add sound and music to your iMovie you must switch from Clip view to Timeline view by clicking on the clock icon button.

There are three separate sound tracks. The top track contains the embedded sound of the video clips (the audio recorded by the camera). The middle and bottom tracks can contain music and sound effects. When you create a voice over in iMovie, it places the resulting sound in the middle track. When you can import files from iTunes directly into iMovie, the imported MP3 files or music from a CD is placed in the bottom track.



Adding Sounds

To add a sound to your iMovie, select the **Audio pane** from the **Pane Menu**. At the top of the window, click on the popup menu and select **iMovie Sound Effects**. You will see a list of available sounds displayed as well as the duration of each. Position your playhead where you want the sound effect to be inserted. Select the sound you want and click on **Place at Playhead** or you can drag the sound to the middle or bottom track in the timeline.



Adding Music

To add music to your iMovie, select the **Audio pane** from the **Pane Menu**. At the top of the window, click on the popup menu and select **iTunes Library** or **Audio CD** (if you have one inserted). You will see a list of available songs/tracks displayed as well as the duration of each. Position your playhead where you want the song/track to be inserted. Select the song/track you want and click on **Place at Playhead** or you can drag the song/track to the middle or bottom track in the timeline.

Creating a Voiceover track

To create a voiceover for your iMovie, move the playhead to the position that you want the voiceover to start. iMovie uses your computer's built-in microphone for sound, so when recording speak clearly into the computer's microphone. If you have an external mic, you can change the sound input setting under the computer's preferences.



When ready to record, click the red record button and begin speaking. When you are finished with your voiceover, click the red record button to stop recording.

The voiceover will appear in the middle track where your playhead was positioned. You can move the track anywhere in the timeline.

Extracting Audio from a Video clip

In certain situations, you may want to separate your audio from your video clips. To extract the audio from the

video clip, Select *Extract audio* from the *Advanced Menu*. The audio will be extracted from the video clip and placed in the middle track. You can then edit the sound as a separate track

Editing Music/Sounds

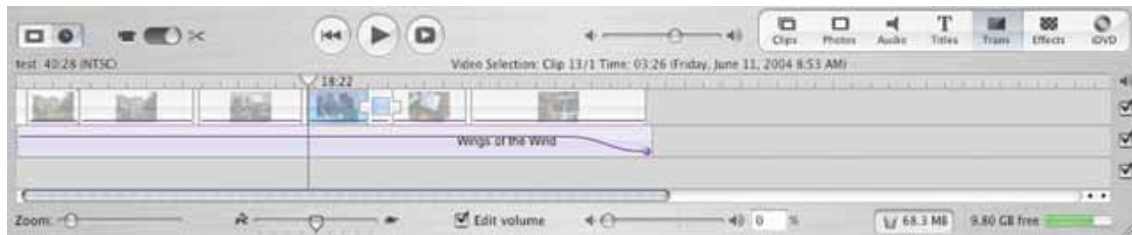
To change the length of a sound effect or song, uncheck the **Edit volume** box. If you do not do this iMovie will not allow you to change the length of the file.



Move your mouse to the end of the sound effect or song you want to edit. The mouse changes to a double arrow. You can slide the sound effect or song length to the right or left. Keep in mind you can not expand the length of the song past its original duration.

To adjust the volume level of a sound effect or song, make sure the **Edit volume** box is checked. In the **Timeline viewer** click on the horizontal line that runs the length of the sound effect or song. An edit point will be inserted in the line. By raising or lowering the edit point, you can raise or lower the volume of the sound effect or song. This is effective for creating fade in and fade outs.

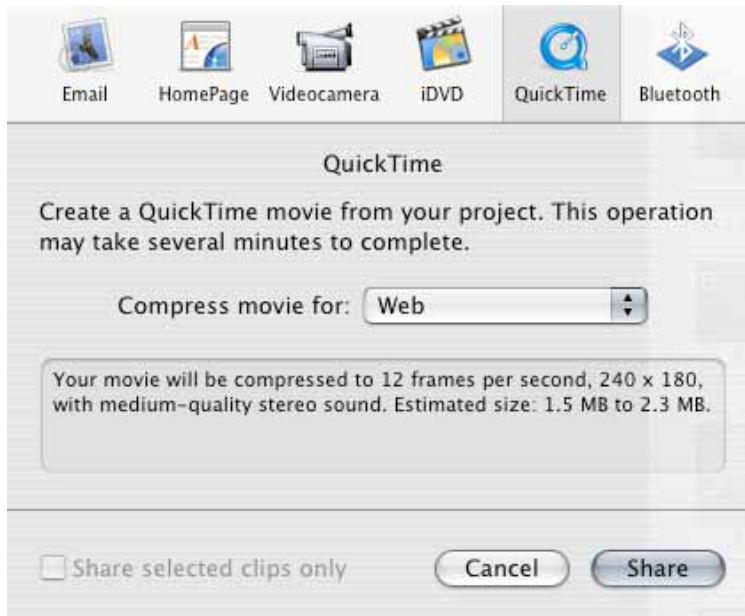
To mute the entire sound effect or song, remove the check from the tracks check box at the far right end of the **Timeline viewer**. The entire sound effect or song can also be adjusted by sliding the **Edit volume** slider left or right.



Exporting your iMovie

When your iMovie is finished, you may want export it back to a camera, to VHS tape, a QuickTime movie or prepare it for iDVD.

To export the movie select *Share* from the *File* menu. A dialog box displays six chooses.



Exporting to Email

By selecting Share Email, iMovie will compress a 10 fps (frames per second) 240 x 180 Quicktime movie and then open your email client with the movie attached and ready to send.

Exporting to HomePage

By selecting Share Email, iMovie will compress a 12 fps (frames per second) 160 x 120 Quicktime movie and upload it to your .mac account.

Exporting to DV Video Camera

By selecting Share Videocamera, iMovie will copy your movie to a digital video camera via the Firewire cable. You can set the delay before recording begins and the amount of black before and after the recording begins. You must have your camera on and set to playback (VCR) mode. If your camera has a pass thru feature, you can use the camera to pass the video thru to a VCR.

Exporting to iDVD

By selecting Share iDVD, you can prepare your iMovie for use in iDVD. Add chapter tracks and more.

Exporting to Quicktime

By selecting Share Quicktime, you get several choices for exporting your iMovie in Quicktime.

- Email - iMovie will compress a 10 fps (frames per second) 240 x 180 movie.
- Web - iMovie will compress a 12 fps (frames per second) 160 x 120 movie.
- Web Streaming - iMovie will compress a 12 fps (frames per second) 160 x 120 movie with hinted tracks for streaming.
- Web - iMovie will compress a 15 fps (frames per second) 320 x 240 movie.
- Full Quality CD - iMovie will create a loss less DV movie. Good for importing the movie into another application such as Apples Final Cut Pro.

Exporting to Bluetooth

By selecting Share Bluetooth, you can save your iMovie to a compatible Bluetooth device.