

# Digitizing 8mm and Super 8 Film using Wolverine Film2Digital Movie Maker




5” Reels and Smaller

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## I. Equipment

For your digitization project, you will need to borrow:

		<p>Wolverine Film2Digital Moviemaker. <i>(for 8mm and Super 8 film)</i></p>
		<p>Wolverine Accessories</p>
		<p>SD Card (Maximum 32 GB)</p> <ul style="list-style-type: none"> <li>Note: You are welcome to use your own SD card, or borrow one from the Community Computing Department (CCC)</li> </ul>

## II. Prepare Your Film

Make sure that your 8 mm or Super 8 film is mounted on a reel no more than 5" in diameter.

Make sure your **film is in good condition**. If it is broken, bent, glued, etc., consider using a professional digitization service instead. **Attempting to digitize film in poor condition may damage the device or your film.**

### III. Mount Your Film

 	<p>Plug the tube end of the power adaptor into the DC12V outlet in the back of the Wolverine Film2Digital MovieMaker.</p> <p>Plug the two-pronged end of the power adaptor into the wall or power bar outlet.</p>
 	<p>Insert your <b>SD card</b> in the slot in the back of the Wolverine Film2Digital MovieMaker.</p>
	<p>Press <b>Power</b> to turn the device on.</p>
	<p>Push the film door tab left, then use the <b>Air Brush</b> to swipe off the light table.</p> 



**8 mm** film reels can mount directly to the **left shaft**.

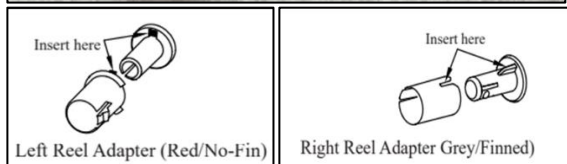


**Super 8** film reels require adapters.

Use the 13 to 8 mm adapter if your film reel mounting hole is 13 mm.

Always place the **red adapter** on the **left** side.

Place the **grey adapter** on the **right** side.

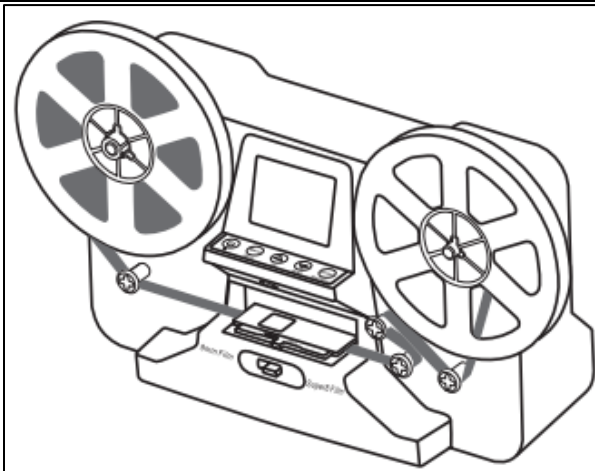


Mount an **empty reel** on the right shaft (the MovieMaker takes up to 5" reels).





Follow the **Record Film Routing** (solid white line) printed on the face of the MovieMaker to thread to the take-up reel.

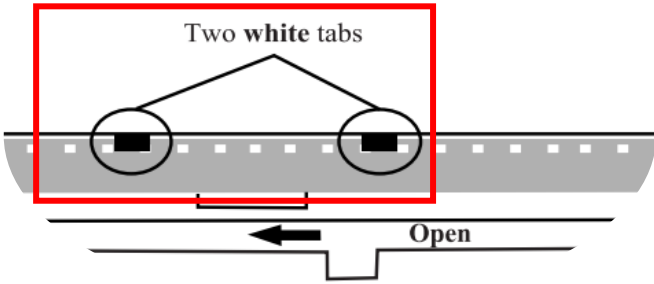

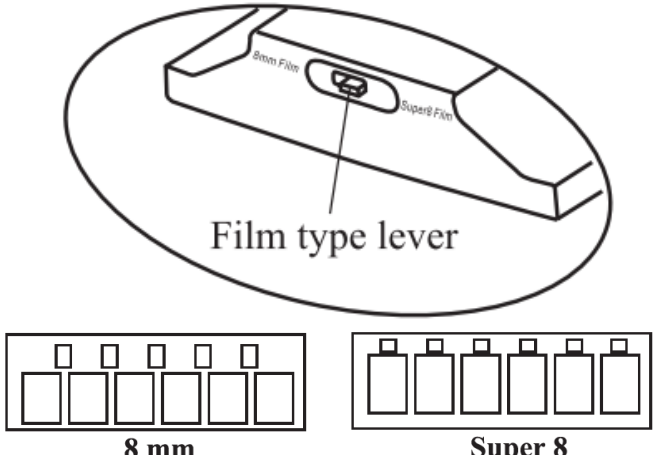
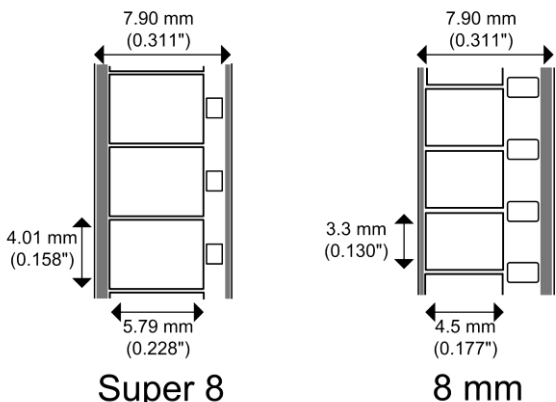


Insert the film into the empty reel **counterclockwise** ↺.

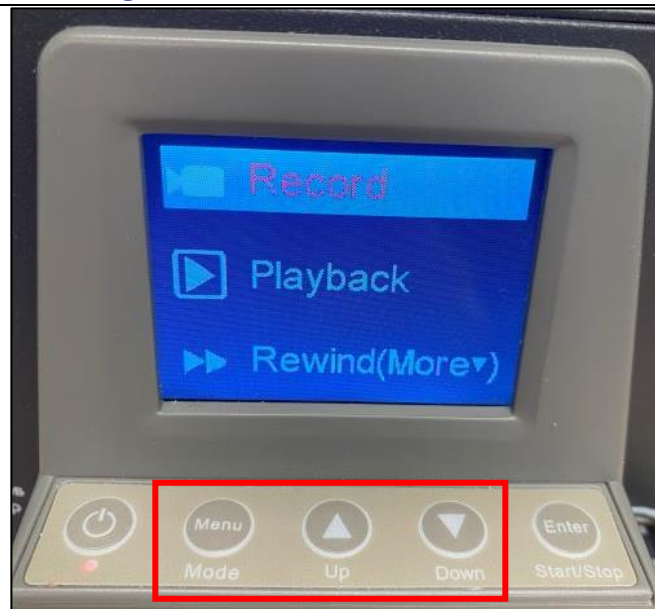
Use your fingers to lift the film and wind it through the rollers if necessary.



Flip the light table cover open (by pushing the tab to the left).

 <p>Two white tabs</p> <p>Open</p>	<p>Insert film with perforations up and under the two white tabs.</p>
 <p>8mm Film Super8 Film</p>	<p>Close the flap door to secure the film in place.</p>
 <p>Film type lever</p> <p>8 mm Super 8</p>	<p>Slide the switch below the flap door to select either 8 mm or Super 8 film.</p>
 <p>Super 8 8 mm</p>	<p>Use the following image to check your film type.</p> <p>Note: the perforations are centred over the still image in Super 8 and off-set in 8 mm film.</p>

## IV. Digitize Your Film

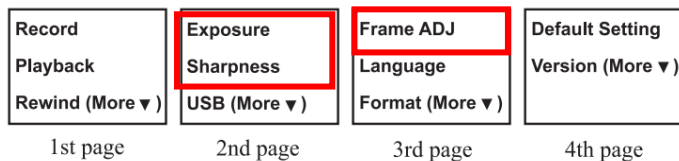


Make Any **Image Adjustments**:

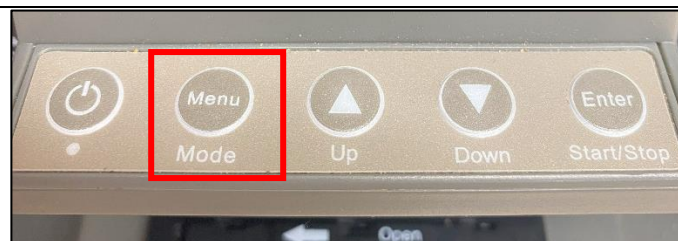
Press **Menu** to enter the menu screen.

There are 4 menu pages. Use the **up** and **down** buttons to highlight the menu selection, and press **Enter** to select.

Press **down** to go to the next menu page, and **up** to return to the previous.



You can change **Exposure**, **Sharpness**, and **Frame Adjustment** (to ensure your film is vertically centered) before recording.





Once you are finished with any adjustments press **Menu** to go back to the recording mode.




You will see that **Record** is highlighted on the menu.





Press the **Enter** button again to start recording.



	<p>The MovieMaker will start recording after 2 seconds.</p> <p>When recording is in progress, the <b>red dot</b> will display on the screen. You can watch the film on the screen as it records.</p> <p>The MovieMaker will automatically stop when the left film is empty, but to stop the recording at any time press <b>Enter</b>.</p>
	<p><i>Optional Playback:</i></p> <p>Press <b>Enter</b> to stop recording.</p> <p>Press <b>Menu</b>.</p> <p>Select <b>Playback</b> and press <b>Enter</b> to view the playback on the device's screen.</p>

## V. Rewind Your Film

	<p>To rewind the film, select <b>Rewind</b> from the Menu.</p> <p>Press <b>Enter</b>.</p>
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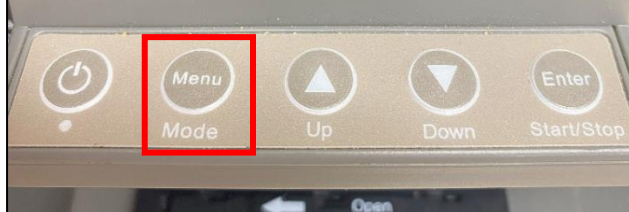

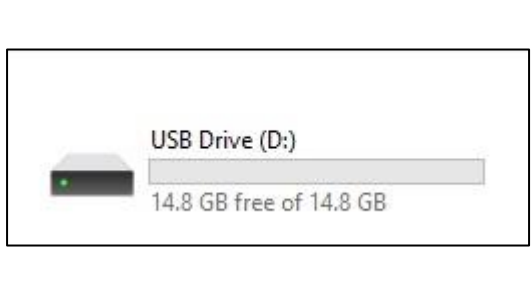


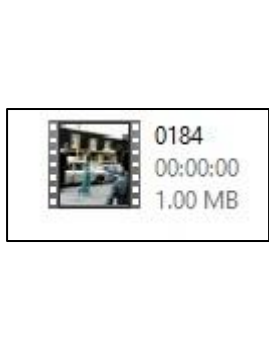
	<p>Instructions will be displayed on the screen:</p> <p>“Remove Film from Light Table, Then Swap Reels (Full Left, Empty Right)”</p>
	<p>Open the flap door and release the film.</p>
	<p>Remove both reels</p> <p><i>(Take out the adapter, if using Super8 film).</i></p>
	<p>Swap the reels (full reel on the left, empty reel on the right) and close the catcher.</p> <p><i>Super 8 Film: Don't forget to insert the correct adapter on the reel (Left reel - Red adapter, Right reel - Grey adapter).</i></p>



	<p>Follow the <b>Rewind Film Routing</b> (dotted white line) printed on the face of the MovieMaker to thread to the take-up reel.</p> <p>Insert the film into the empty reel <b>counterclockwise</b> ↺.</p>
	<p>Press <b>Enter</b> button to rewind the film.</p>

## VI. Transfer Your Film to Digital Storage (USB/Cloud)

When you are finished rewinding your film, you will need to transfer your files from the SD card in the MovieMaker, to your personal USB storage device and/or the cloud.

<p>Ensure that the MovieMaker is still plugged in, turned on and that the SD card is still inserted into the back of the machine.</p>	
	<p>Plug the Mini-USB cable into the back of MovieMaker and the USB end into your computer.</p>

	<p>Press <b>Menu</b>.</p>																
<table border="1"> <tr> <td>Record</td> <td>Exposure</td> <td>Frame ADJ</td> <td>Default Setting</td> </tr> <tr> <td>Playback</td> <td>Sharpness</td> <td>Language</td> <td>Version (More ▼)</td> </tr> <tr> <td>Rewind (More ▼)</td> <td><b>USB (More ▼)</b></td> <td>Format (More ▼)</td> <td></td> </tr> <tr> <td>1st page</td> <td>2nd page</td> <td>3rd page</td> <td>4th page</td> </tr> </table>	Record	Exposure	Frame ADJ	Default Setting	Playback	Sharpness	Language	Version (More ▼)	Rewind (More ▼)	<b>USB (More ▼)</b>	Format (More ▼)		1st page	2nd page	3rd page	4th page	<p>Press the down arrow to navigate to <b>USB</b>.</p>
Record	Exposure	Frame ADJ	Default Setting														
Playback	Sharpness	Language	Version (More ▼)														
Rewind (More ▼)	<b>USB (More ▼)</b>	Format (More ▼)															
1st page	2nd page	3rd page	4th page														
	<p>Press <b>Enter</b>.</p>																
	<p>The SD card will show up as an <b>external USB drive</b> in <b>File Explorer</b>  under <b>This PC</b>.</p> <p>Double-click on the <b>USB Drive icon</b>.</p>																
	<p>The digitized files will be stored in a folder.</p> <p>*The name of the folder will vary from computer to computer.</p>																
	<p>Inside the folder, you will see an <b>MP4 file</b> (or more than one if you stopped recording partway through).</p> <p>Copy the file(s) to your USB storage device or save to your Cloud Storage service.</p>																

	<p>Press <b>Menu</b> to disconnect the MovieMaker from your computer.</p>
	<p>Press <b>Power</b> to turn off the MovieMaker.</p>
 <p>Remove your SD Card from the back of the MovieMaker.</p> <p>Congratulations! You have digitized your film!</p>	