

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




9” Reels and Smaller

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## I. Equipment

For your digitization project, you will need to borrow:








	<p>Wolverine Moviemaker Pro <i>(for 8mm and Super 8 film)</i></p>
	<p>Wolverine Accessories</p>
	<p>SD Card (Maximum 32GB)</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>

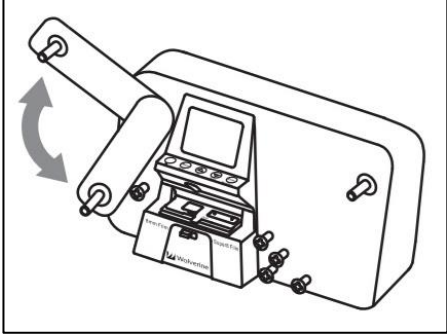


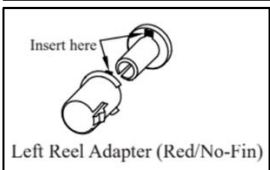
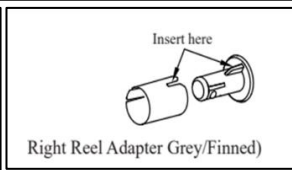
## II. Prepare Your Film

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 power adaptor into the DC12V outlet in the back of the Wolverine MovieMaker Pro.</p> <p>Plug the other 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 MovieMaker Pro.</p>
	<p>Press <b>Power</b> to turn the device on.</p>
	<p>Push the film door tab left to <b>Open</b>, then use the <b>Air Brush</b> to swipe off the light table.</p> 

	<p>Gently lift <b>film reel arm</b> up into open position.</p>
	<p><b>8 mm</b> film reels can mount directly to the <b>left shaft</b>.</p>
	<p><b>Super 8</b> film reels require adapters.</p> <p>Use the 13 to 8 mm adapter if your film reel mounting hole is 13 mm.</p> <p>Always place the <b>red adapter</b> on the <b>left</b> side.</p>
 <p>Insert here</p> <p>Left Reel Adapter (Red/No-Fin)</p>	 <p>Insert here</p> <p>Right Reel Adapter Grey/Finned</p>
<p>Place the <b>grey adapter</b> on the <b>right</b> side.</p>	



Mount an **empty reel** on the right shaft (the MovieMaker Pro takes up to 9" reels)




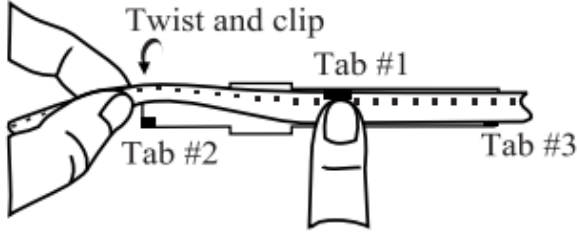

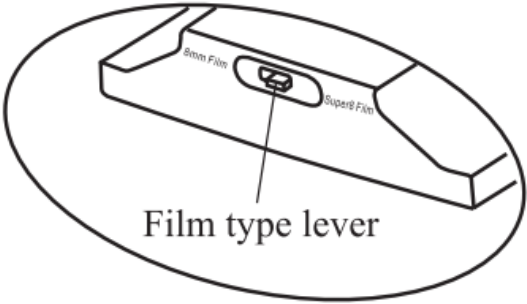
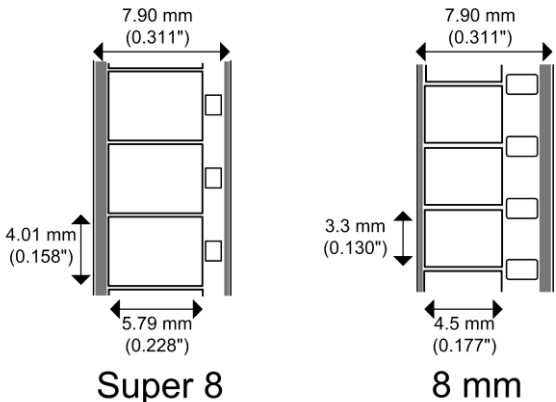
Follow the **Record Film Routing** (solid white line) printed on the face of the MovieMaker to thread to the take-up reel.




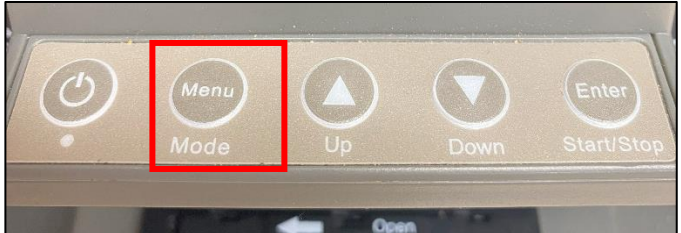
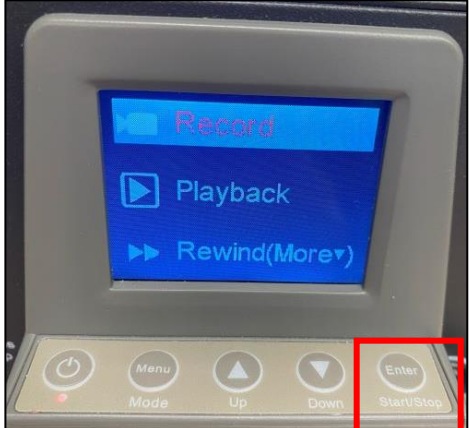
Insert the film into the empty reel **counterclockwise** ↺.



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



	<p>Flip the light table cover open (by pushing the tab to the left)</p>
	<p>Insert film with perforations up and under the three white tabs.</p> <p>Place and hold film under Tab #1. Twist film slightly and tuck under Tab #2 and Tab #3.</p>
	<p>Close the flap door to secure the film in place.</p>
	<p>Slide the switch below the flap door to select either 8 mm or Super 8 film.</p>
	<p><i>Use the following image to check your film type.</i></p> <p><i>Note: the perforations are centred over the still image in Super 8 and off-set in 8 mm film.</i></p>




## IV. Digitize Your Film

	<p>Make Any <b>Image Adjustments</b>:</p> <p>Press <b>Menu</b> to enter the menu screen.</p> <p>There are 4 menu pages. Use the <b>up</b> and <b>down</b> buttons to highlight the menu selection, and press <b>Enter</b> to select.</p> <p>Press <b>down</b> to go to the next menu page, and <b>up</b> to return to the previous.</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>Film Type</td> </tr> <tr> <td>Rewind (More ▾)</td> <td>USB (More ▾)</td> <td>Format (More ▾)</td> <td>Version (More ▾)</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	Film Type	Rewind (More ▾)	USB (More ▾)	Format (More ▾)	Version (More ▾)	1st page	2nd page	3rd page	4th page	<p>You can change <b>Exposure</b>, <b>Sharpness</b>, <b>Frame Adjustment</b> (to ensure your film is vertically centered), <b>Film Type</b> (Positive or Negative) before recording.</p>
Record	Exposure	Frame ADJ	Default Setting														
Playback	Sharpness	Language	Film Type														
Rewind (More ▾)	USB (More ▾)	Format (More ▾)	Version (More ▾)														
1st page	2nd page	3rd page	4th page														
	<p>Once you are finished with any adjustments press <b>Menu</b> to go back to the recording mode.</p>																
	<p>You will see that <b>Record</b> is highlighted on the menu.</p> <p>Press the <b>Enter</b> button.</p>																

	<p>The MovieMaker Pro 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 Pro 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>
	<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 <b>flap door</b> and release the film.</p>



Remove both reels.

*(Take out the adapter, if using Super8 film).*

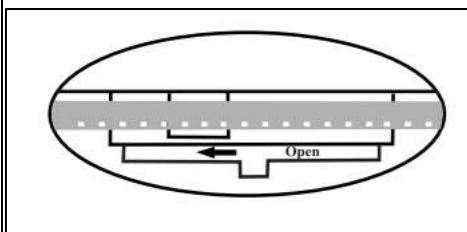


Close the flap door.



Swap the reels (full reel on the left, empty reel on the right).

**Place sprocket holes on the outside.**



*Super 8 Film: Don't forget to insert the correct adapter on the reel (Left reel - Red adapter, Right reel - Grey adapter).*



Follow the **Rewind Film Routing** printed on the face of the MovieMaker Pro (dotted line) to thread to the take-up reel.

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

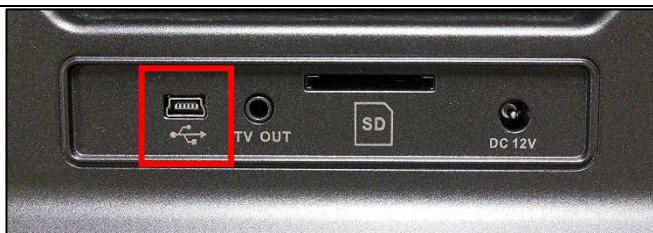


Press **Enter** button to rewind the film.

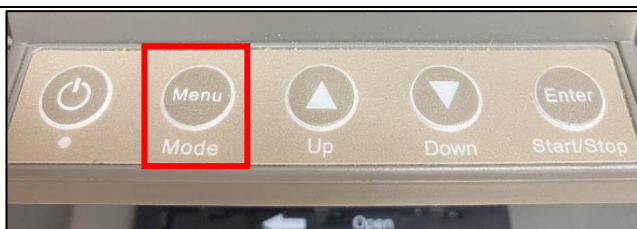
## VI. Transfer Your Film to Digital Storage (USB/Cloud)

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

Ensure that the MovieMaker Pro is still plugged in, turned on and that the SD card is still inserted into the back of the machine.



Plug the Mini-USB cable into the back of MovieMaker and the USB-A end into your computer.




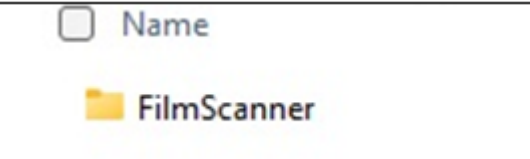

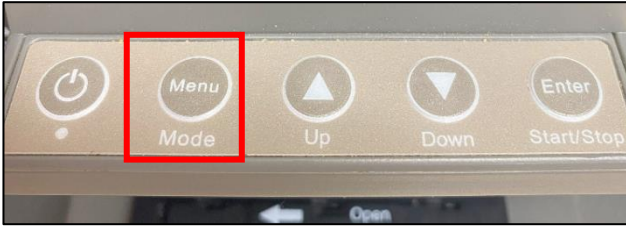


Press **Menu**.

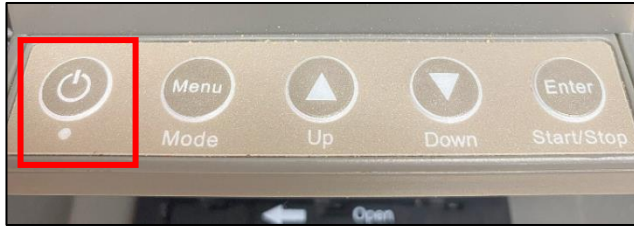


Press the down arrow to navigate to **USB** on the menu.



	<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>. 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 and then re-started).</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 Pro from your computer.</p>





Press the **Power** to turn off the MovieMaker Pro.



Remove your SD Card from the back of the MovieMaker.

Congratulations! You have digitized your film!