

Kodak Reels Film Digitizer

Digitize Standard 8mm or Super 8 Film

Note: This piece of equipment will convert your 8 mm and Super 8 movies into MPEG-4 (MP4) digital movie files at 1080P. This machine can use 3" - 9" film reels.

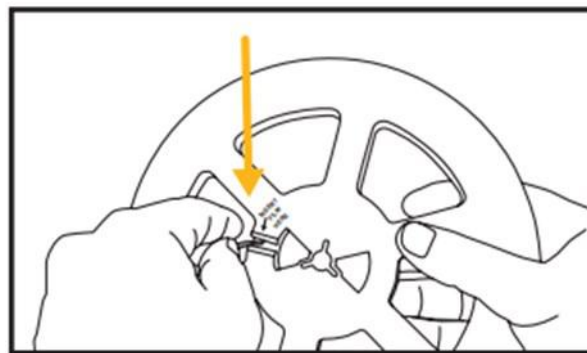
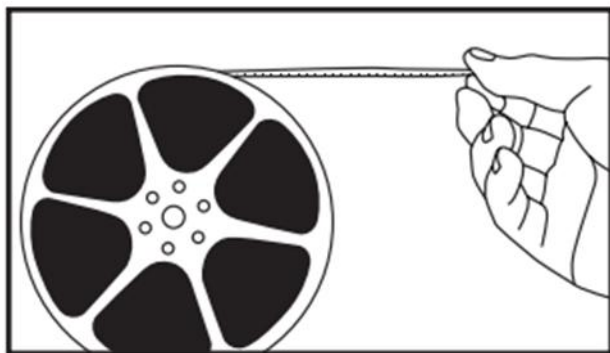
This scanner does not record sound.



To convert 8 mm or Super 8 film into a digital format:

1. Prepare the reel. It is good to use a lint-free cloth to gently wipe the film, to remove any dirt particles. Otherwise, they may show up on the recording.
2. Carefully pull the end of the film on your 8 mm or Super 8 reel. Fold the film end and insert into the slot on the empty reel.

Note: If you prefer to use the **"Sliding the film under the tabs"** method (shown in step 6 on Page 2), you will complete step 6 before completing step 2.



3. Spin the empty reel a few times (winding the film up) to make sure your film is securely connected to the empty reel.
4. Mount the Reels:
 - If your reel has an 8 mm (small) mounting hole, mount the reel directly to the left reel shaft. If it is a Super 8 reel (has a larger mounting hole), you will have to use the RED adapter on the left reel shaft. (There is a GREY adapter, which is used if you are using a Super 8 reel on the right side as well. It is not needed if you are using the provided empty reel).

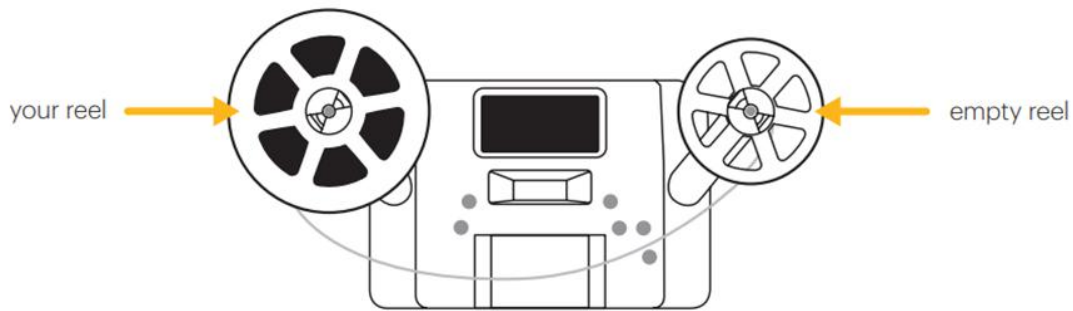
If you need assistance with the machine, please see staff at the Research Desk.

Research staff cannot do the job for you, they are only there to troubleshoot.

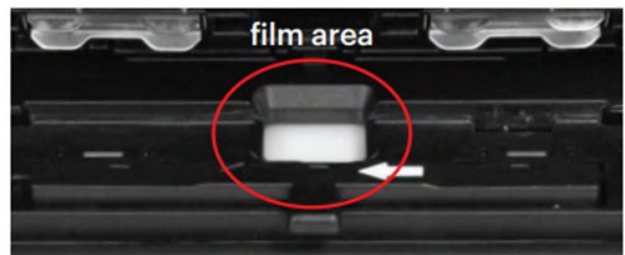
Kodak Reels Film Digitizer

Page 2

- Mount the empty reel to the right side.



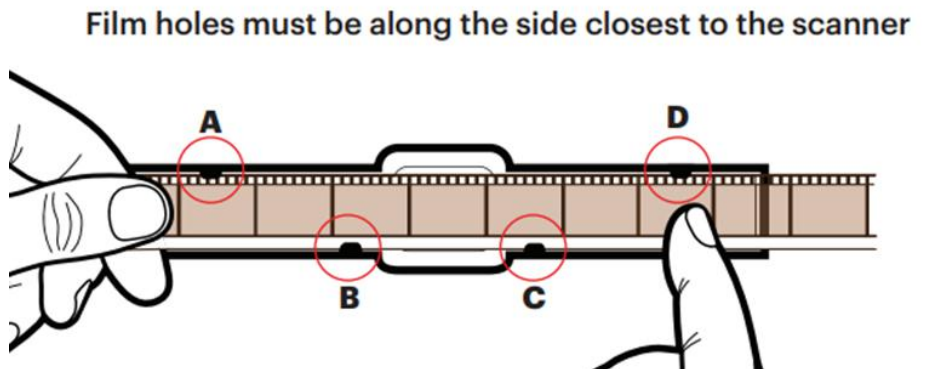
5. Push the film lid tab to the left to lift the film lid and gently wipe down the film area with the cleaning cloth (at the Research Desk) before placing the film.



6. There are two ways to load the film into the film area **twisting the film under the tabs**, or **sliding the film under the tabs**:

Twisting the film under the tabs

- A. With the sprocket holes of the film facing the machine, hold the film firmly in between your pointer finger and thumb. Slowly place the film under the first black tab **A** (tab furthest left in the film area). Then carefully twist the film and place it under the second black tab **B** in the film area (see below).
- B. Twist the film slightly again to fit the film under the third tab **C** (see right).
- C. Press the film down near the fourth tab **D** and make sure the film clicks in place.
- D. Press your finger down once more on the film to make sure the film is under all 4 tabs. A click should be heard when the film is properly placed under each tab.



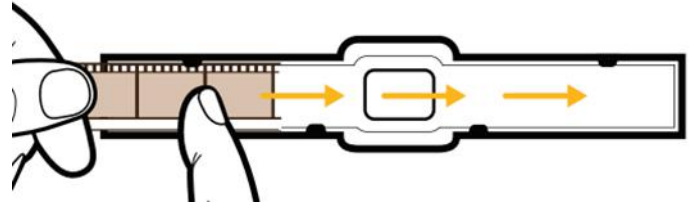
*If you need assistance with the machine, please see staff at the Research Desk.
Research staff cannot do the job for you, they are only there to troubleshoot.*

Kodak Reels Film Digitizer

Page 3

Sliding the film under the tabs

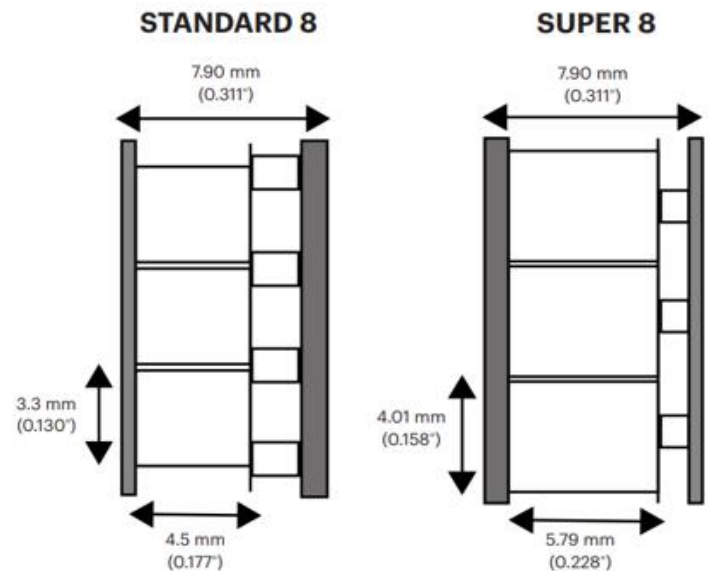
- A. With the sprocket holes of the film facing the machine, hold the film firmly in between your pointer finger and thumb. Insert the film under the left-most tab and slide the film from the left side, applying pressure with your index finger to make sure the film slides under each of the four tabs as it slides.



7. Once the film is in place, close the film lid. The film should be positioned above the light board and below the image sensor when properly placed.
8. Turn on the Kodak Reels Film Digitizer. It will take a couple seconds to turn on. The white LED light will indicate when it is on.

NOTES:

- If the film is placed into the slot correctly (from step 6), the gray pin will automatically adjust itself into the correct position when recording begins.
 - When loading a new film into the film scanner, your film may appear out of frame when first on screen. To properly center and position your film correctly, slide the film type back and forth once. By sliding the film type back and forth, the reel on the reel shaft will spin moving the film into its proper position.
- ◇ When using 8 mm film, slide the switch over to the Super 8 film selection then back over to the 8 mm film selection.
- ◇ When using Super 8 film, slide the switch over to the 8 mm film selection then back over to the Super 8 mm film selection.



Note: If you are unsure what kind of film you have, standard 8 mm or Super 8, look to the following picture. Standard 8 has larger sprocket holes, and a smaller frame area. Super 8 has smaller sprocket holes and a larger frame area.

*If you need assistance with the machine, please see staff at the Research Desk.
Research staff cannot do the job for you, they are only there to troubleshoot.*

Kodak Reels Film Digitizer

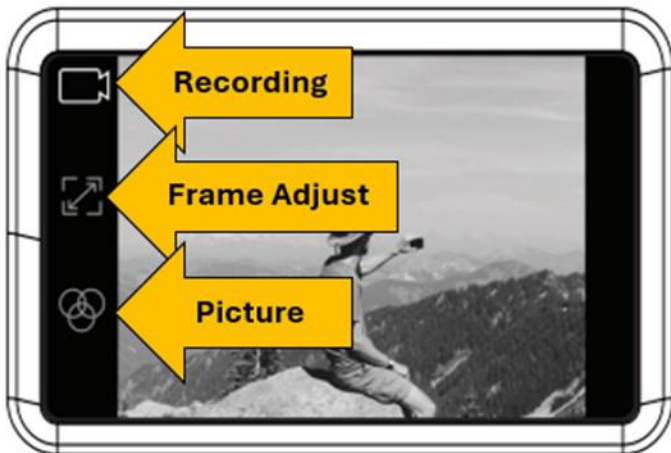
Page 4

- Take the film between the two reels and carefully thread it through the scanners guide spools. Use the white, solid line on the scanner to follow how to thread the guide spools.

IMPORTANT: When threading the film around the guide spools, follow the white, solid line when setting up your film to be captured. Follow the white, dotted line when setting up your film for **rewinding** or **fast forwarding** (see page 7 for those functions).



- Insert your SD card into the machine (the slot is on the back of the machine, see right). The SD card must be a **maximum** of 128GB in size.
- In the main menu, select **Capture** and press **OK/Enter** to enter "Video Preview Mode".
- In "Video Preview Mode" you should see the options **Recording**, **Frame Adjust**, and **Picture**



- If needed** (skip this step if not), prepare for recording using **Frame Adjust Function** or the **Picture Function** (shown on Page 5). Use the direction arrow buttons to change the selection. The selected function will appear white.

If you need assistance with the machine, please see staff at the Research Desk. Research staff cannot do the job for you, they are only there to troubleshoot.

Frame Adjust Function

- A. Select "Frame Adjust" and then press the **OK/Enter** button to enter the adjustment interface.
- B. Use the **directional arrow** buttons to adjust the margin.
- C. Use the **Plus** or **Minus** buttons to zoom in or out.
- D. Once the desired settings are reached, press the **OK/Enter** button to confirm.



Picture Function

- A. Select "Picture" and then press the **OK/Enter** button to enter the picture setting interface.
- B. Press the **Up** or **Down** buttons to select the following options. Press the **Plus** or **Minus** buttons to set the parameter values.
 - i. **Exposure** - overall brightness or darkness of the film
 - ii. **Sharpness** - will adjust the clarity of the film.
 - iii. **Tint** - will adjust the color of the film.
 - iv. **Reset to Default Values**
- C. Once the desired settings are reached, press the **OK/Enter** button to confirm.



14. Choose **Record**. Then press the **OK/Enter** button.

15. In the next prompt, use the Film Type Switch (see below) to select **8mm Film** or **Super8 Film**. Then press the **OK/Enter** button.

Note: The "Set film type" screen will only appear once per use of the machine. If you are recording multiple reels of standard 8 mm and Super 8, you will need to shut the machine down in between, wait, and then turn it back on.

16. The recording will start. During this process, the device will capture each image of the film and combine it into a digital video. The area in the film slot will light up the film from the bottom as the film is scanned by the camera above it. The film is scanned in the scanning area of the film slot frame by frame. The scanned video is then transferred to your SD card when complete.

*If you need assistance with the machine, please see staff at the Research Desk.
Research staff cannot do the job for you, they are only there to troubleshoot.*

Kodak Reels Film Digitizer

Page 6

Notes:

- If the film has damaged sections or gets stuck, lift the film lid and push the damaged area past the lit-up scanning area. Then, make sure the film is firmly in place and reclose the lid.
- You can press the **OK/Enter** button while the recording is in process to stop it. This will also automatically save the MP4 files created so far on the SD card. Pressing **OK/Enter** again will resume.
- Every time you stop and start a recording, a new video file will be created by default. The machine cannot pause and continue the recording on the same video file. Video editing software can merge multiple MP4 files of one film together into one file.

17. When the recording is complete, you can:

View the recording - see **My Recordings** function below.

Rewind your film back onto your spool - see **Rewind** function on Page 7.

Remove your SD card from the back of the machine.

18. Once your film has been rewound and your SD card removed, replace the library's spool back to the right spool arm and power down the machine.

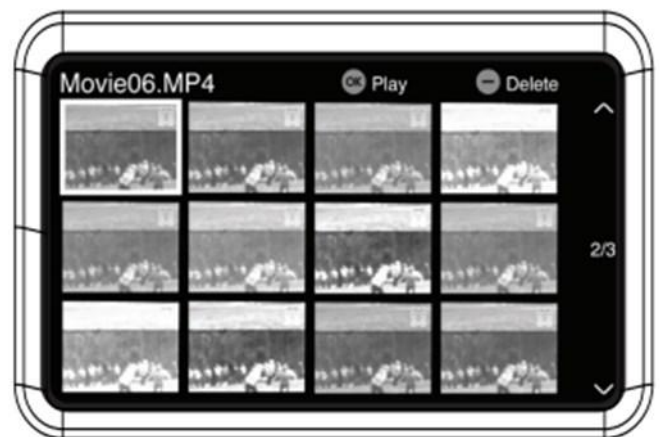
Other Features

In the Main Menu, you can select Menu to get to the following features: **My Recordings**, **Rewind**, and **Fast Forward**.

My Recordings

This function allows you to **watch** or **delete** recordings that are on the SD card currently inserted into the machine.

1. Select My recordings in the submenu and press OK/Enter.
2. Use the directional arrow buttons to select an MP4 file.
3. Press **OK/Enter** to play the file, or press the **Minus** button to delete a file.



*If you need assistance with the machine, please see staff at the Research Desk.
Research staff cannot do the job for you, they are only there to troubleshoot.*

Rewind

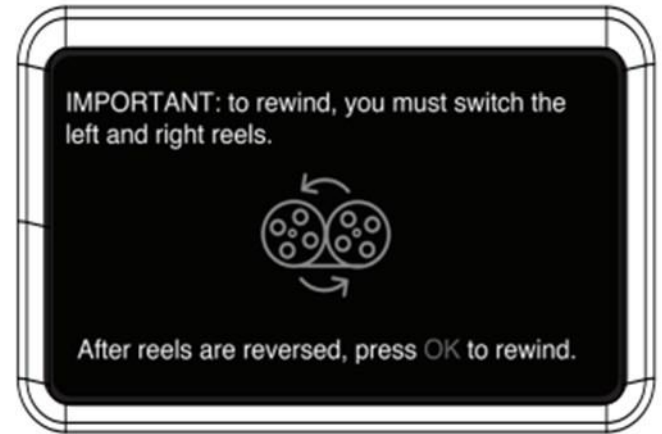
This function allows you to rewind a film back onto your original spool.

1. Press the **Up** or **Down** button to select "Rewind", and then press the **OK/Enter** button.

Notes:

- The machine only operates from left to right, so reels must be swapped for the rewinding process.
 - ◇ Remove the film from the film area, and from the spool guides and swap the full reel and empty reel to opposite spool arms.
 - ◇ For Super 8: While swapping reels, use the **GRAY** adapter on the right arm, if your film spool is Super 8. Remove the **RED** adapter from the left arm, if your film was Super 8 and you used the library's reel.
- When winding the film through the guide spools, ***follow the dotted white line on the machine.*** The film will not go through the film area.

2. Follow the directions on screen to start the rewind process.



Fast Forward

If you need to start your recording further into the reel, you can use the **Fast Forward** function to speed up getting to the place you want to start your recording.

1. Press the **Up** or **Down** button to choose "Fast Forward", then press the **OK/Enter** button.

Note: When fast forwarding, lift the film from the film area. Use the dotted line guide when fast forwarding.

2. According to the prompts on the screen, press the **OK/Enter** button.



*If you need assistance with the machine, please see staff at the Research Desk.
Research staff cannot do the job for you, they are only there to troubleshoot.*