How to Use the 8mm Film Projector

Parts in the Kit

CAUTION ★ Please read the following instructions before using this kit!

1. Setting 8mm Film (Single/Super)
   - For how to set Double 8 film, refer to the back of this sheet.
   - Mount the shot and developed 8mm film to the film advance reel axis.

2. Projecting Images on a Screen
   - First, turn on the switch.
   - Project the image from the film onto the screen, and bring the image into focus.

3. How to use a Phillips screwdriver...
   - Insert three AA alkaline batteries into the battery box, turn the switch ON, and confirm that the light source lights up.
   - Make sure that the positive and negative terminals of the batteries are aligned correctly.

Difference between Single/Super 8 and Double 8 films

There are two types of 8mm Films: Single 8 or Super 8 (1965–1974) and Double 8 (1955–1964).

The positions of the holes that are used to advance the film differ depending on the type of film. For Double 8 films, the frame border, etc. must be changed (refer to the back of this sheet for details).

1. How to install the handle
   - Main unit

2. Projecting Images on a Screen
   - After projecting the film, rewind the film.
   - Mount the wound film reel to the film advance reel axis making sure that the direction is as shown in the figure. Rewind the film by turning the handle (be sure to turn the handle clockwise).
   - Hold down the film projector when turning the handle.
3 Using the Film Editing Tool

1. Replace the S8 sprocket with the W8 sprocket.
   - Using a screwdriver, remove the screw securing the sprocket. After replacing the sprocket, firmly secure it with the screw.
   - Main unit
   - Sprocket (W8)
   - Screwdriver

2. Remove the frame border and replace the S8 guide pin with the W8 guide pin.
   - Remove the projection lens and remove the four screws of the frame border. Remove the screw attaching the S8 guide pin to the frame border.
   - Guide pin (S8)
   - Screwdriver
   - Frame border
   - Guide pin (W8)

3. Replace the belt.
   - As shown in the figure, hook the new belt (rubber band) to the speed of the gear cover and the speed for the rewind reel.
   - Speed
   - Rubber band

4. Reattach the parts with the screws.
   - Set the gear cover and sprocket in place and first secure the sprocket side with a screw. Then secure the gear cover side with a screw and finally attach the back cover.
   - Gear cover
   - Rubber band

5. Replacing a Broken Belt
   - If the film advance belt is broken or becomes loose and does not properly rotate the reel, a rubber band can be used as a replacement. In such a case, replace the belt as shown in the figure below.
   - Remove the sprocket and handle.
   - Sprocket (W8)
   - Handle

Q&A

Q: The film does not go through the frame border.
A: It is difficult to feed film that is bent at the tip or bends toward the light source in.
Q: Film feed is irregular.
A: Make sure there is enough play in the film between the sprockets and the lens. If the film is too tight, the frame will be unstable, creating blur.
Q: Frames can also skip on film that has hardened after long years in storage.
A: The projector is shipped set up for Single 8 or Super 8. If you have Double 8 film, change out the necessary parts.
Q: Film feed is irregular at the edited part.
A: If cellophane tape is used, frames skip in an edited section. Use special splicing tape to make sure frames feed properly.
Q: Film jams at the edited part.
A: There may be wrinkles in the tape you used or bits sticking out from the sides of the film that are catching. If something like this is happening, remove the tape and redo the edits.
Q: Film does not rewind.
A: The rewind reel axis can be put at different angles depending on the reel size. Belt tension is lower at the bottom position, so put the axle at the upper position if you are using the provided rewind reel. If you are regularly using the reel at the bottom position, replace the belt with a smaller rubber band to keep it steady.
Q: I want to replace the film partway through.
A: You cannot change the film while the projector is running. Run the film to the end, then rewind it onto the rewind reel.
A: If you need to remove the film partway through due to film problems, remove the four front screws holding the frame border in place and remove the film.
Q: The light source is dim.
A: Check the orientation and type of the batteries. The LED may also stop emitting light if the voltage from rechargeable batteries, such as NiCd batteries, is too low.
Q: The film broke while projecting.
A: The adhesive on edited areas of old films can weaken and break. Align the broken ends of the film with the film editing tool and redo the splices with splicing tape.
Q: The projector is damaging the film.
A: If something is stuck somewhere on the film travel path, it can scratch the film. Remove dirt and dust before projecting films.
Q: The image is upside down.
A: The film is traveling the wrong path. Rewind it on a different reel and then project it.
Q: I want to stop the film to project a single frame.
A: The projector uses an ultra-bright white LED as its light source. Since it is not as hot as a light bulb, the film will not be damaged by the heat if you stop the film while projecting.