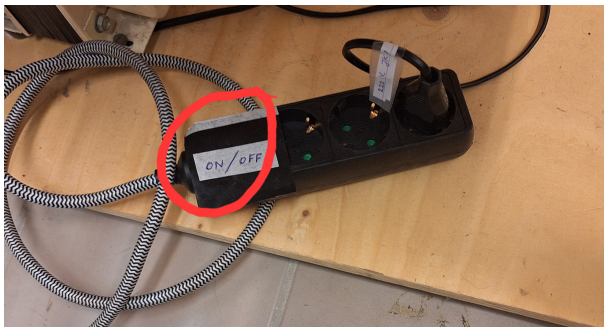
Filmwerkplaats

Manual
JK 1 - Room B (JK 107)

Before printing

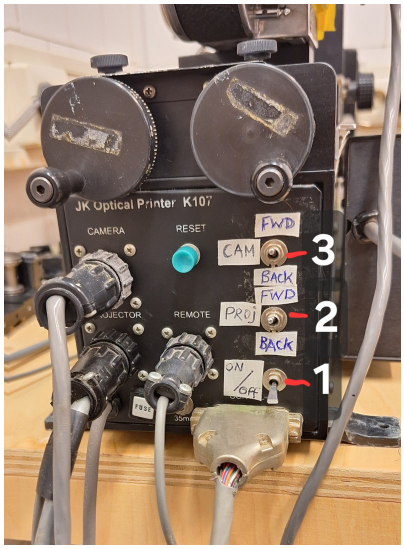
This machine works on 110 V. There is a trafo in-between that's changes the 220 V to 110 V .

NEVER EVER plug the 110 V cable directly into a 220 V socket.



Turn on the main switch, it is covered with black plastic

Do NOT mess with the trafo and the rest of the cables down under the machine



Turn on the switch at the back panel (1)

Check projector switch (2)
Put it on "forward"

Check camera switch (3)
Put it on "forward"

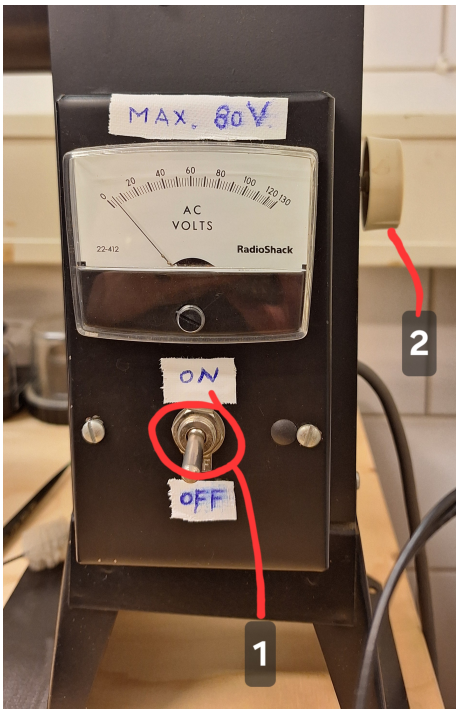


Use the manual controller to advance the camera in order to thread the unexposed filmstock (on a daylight spool) into the Bolex.
Do this in the dark!

Make sure the film is attached to the take up spool correctly.
If not, it will jam in the camera !!!

Close the lid of the Bolex

Turn on the extra small light on the table

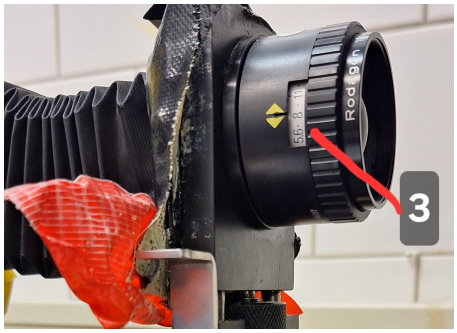


Go to the right side of the machine:

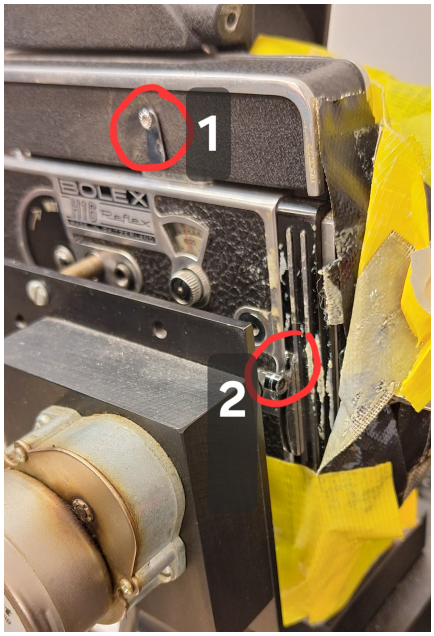
First turn on the main switch of the lamp (1)
(The fan will start making some noise)

With the turning knob on the right (2) you can gently turn up the voltage. First turn to around 50 V

Do NOT turn the voltage to higher than 80 V, that will reduce the lifetime of the bulb!

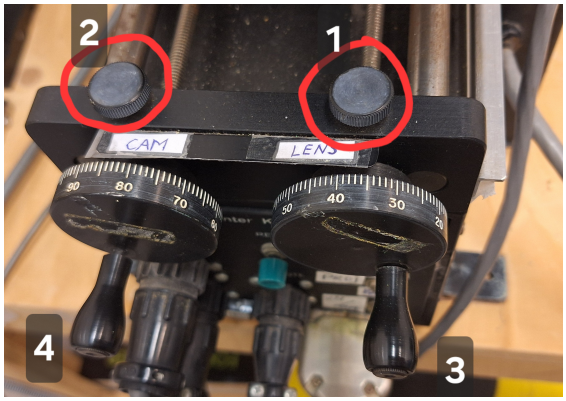


Open up the diaphragm of the lens (3)



Open the viewfinder with the small lever (1)

(On the picture you see the closed position)

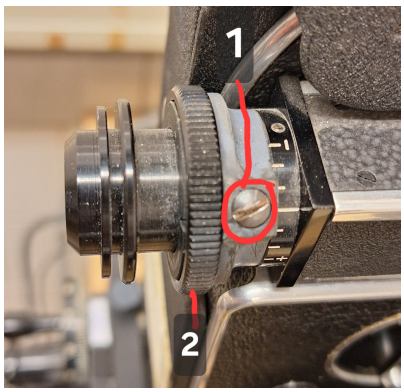


Go to the back panel

Unscrew (1) and (2)

Use the left turning wheel (4) of the camera to put the gate out of focus.

This will make it easier to set the diopter of the eye piece to your eye

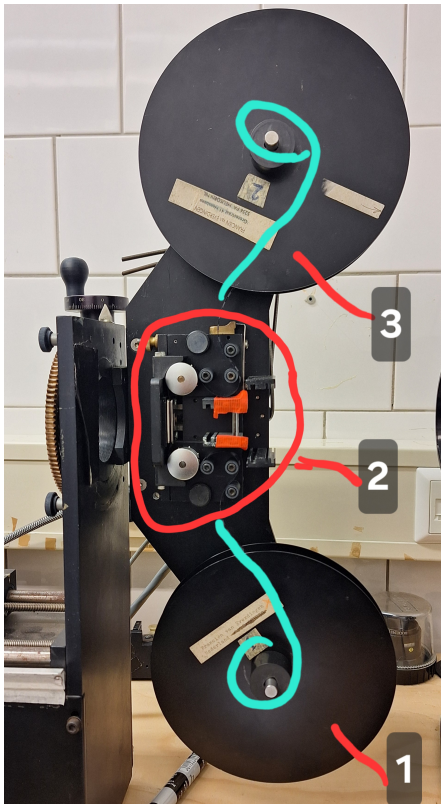


Set the diopter of the viewfinder to your eye:

First unscrew the little screw (1)

Use the ring (2) to focus on the grain of the viewfinder

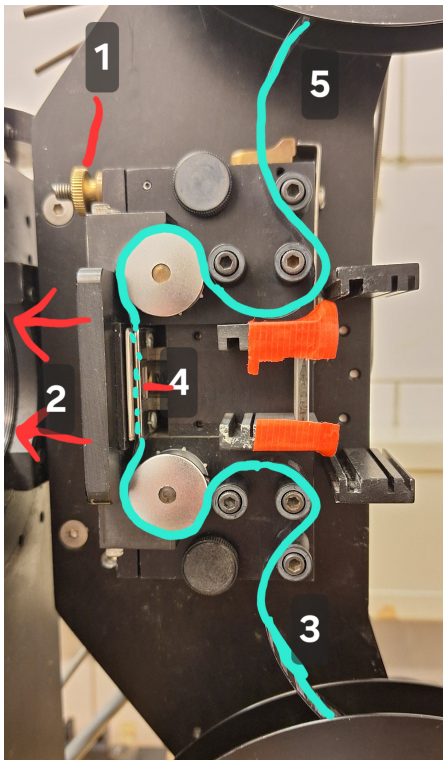
Once you did that, tighten the little screw (1)



Put your feed-reel with 16mm film down at (1) with the sprockets closest to the wall

Thread your film through the projector head (2) (See next picture for details)

Attach the leader to the bobby of the take-up-reel (3)



Threading the film into the projector head:

Unscrew the nut a little (1) and turn the bolt + nut in vertical position

Then open part (2) by sliding it to the left

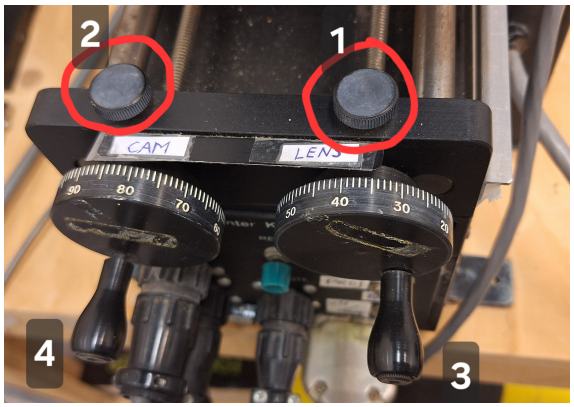
Now you can thread the film into the projector head:

Lead the film from down (3), along the lower sprocketwheel and slide the film from the side into the gate (4), then go along the upper sprocket wheel, then lead the film up to (5)

Close part (2) and put the bolt + nut back into the horizontal position and tighten the nut (1)



Use the manual controller to advance the projector until you arrive at an image that you want to shoot

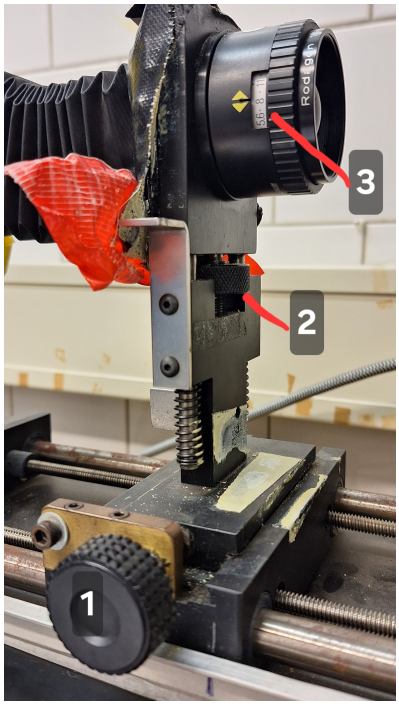


Go to the back panel

Turn the right wheel (3) to find the right framing of the image. (The *lens* will move closer to or farther away from the gate.)

Then turn the left wheel (4) to focus. (the *camera* will move closer to or farther away from the gate)

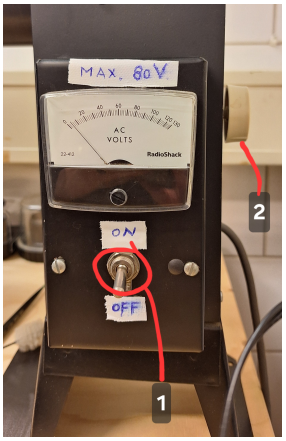
Once you have found the desired framing and the correct focus you lock the position of the camera and the lens by tightening (1) and (2)



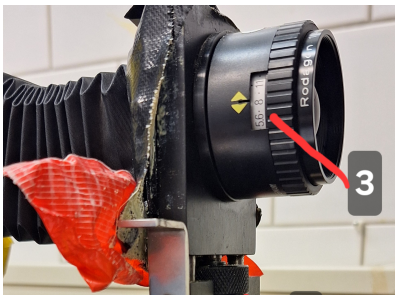
Adjusting the left-right orientation of the image can be done with turning knob (1)

Adjusting the up-down orientation of the image can be done with turning knob (2)

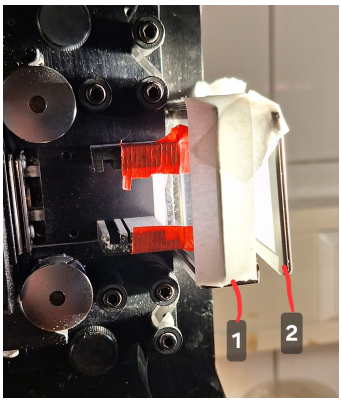
Printing the film or making a test



Now turn up the voltage of the lamp to 80 V with knob (2) on the right side of the lamp house.

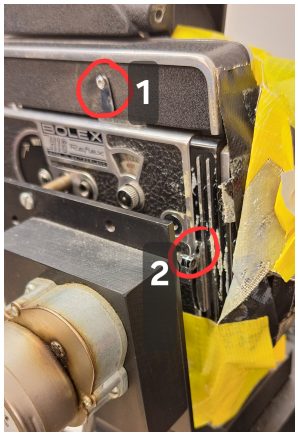


Turn the diaphragm to the desired f-stop (f-4 to f-8)



Put the desired ND-filter (and color correction filters if necessary) in the filterslot (1) behind the white diffusion glass . Secure it with paper tape.

You can also tape extra filters behind it, at position (2)



Check if the shutter of the Bolex is open.

Lever (2) should be up..

If the shutter is closed, the lever (2) will be down, and in the viewfinder you will see a black triangle warning sign at the left bottom of the field.

You can now shoot your film or your test.

Do NOT leave on the lamp unnecessary ! Dim the voltage as soon as you finished shooting your film.

After lowering the voltage leave on the fan for about 5 minutes to cool down the lamp

Programming the controller

(The green buttons you use a lot
The red buttons you use only in special cases)



To program a freeze frame of 50 frames:

PGM MODE (red light (1) will light up)
Camera keys PRESET- 5 - 0 - ENTER
Camera keys ALT COUNT - 5 - 0 - ENTER
Projector Keys ALT COUNT. - 1 - ENTER
PGM MODE (red light (1) will stop lighting up)

To run the program:

RUN (at the end of the sequence the system will stop automatically)

To pause the program

PAUSE

To continue the program again:

RUN

To stop the program:

STOP

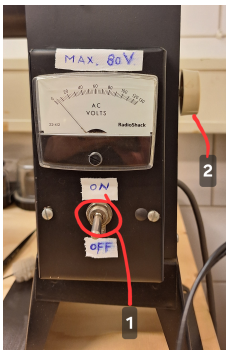
To program a sequence of 100 frames with a speed of 1:1

PGM MODE (red light (1) will light up)
Camera keys PRESET- 1 - 0 - 0 - ENTER
Camera keys ALT COUNT - 1 - ENTER
Projector Keys ALT COUNT. - 1 - ENTER
PGM MODE (red light (1) will stop lighting up)

To program a sequence of 100 projector frames with a 2 x slomo
(the new sequence will be 200 frames long)

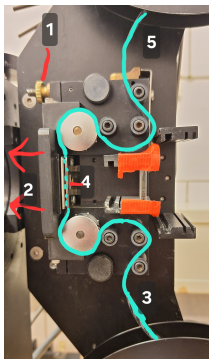
PGM MODE (red light (1) will light up)
Projector keys PRESET- 1 - 0 - 0 - ENTER
Camera keys ALT COUNT - 2 - ENTER
Projector Keys ALT COUNT. - 1 - ENTER
PGM MODE (red light (1) will stop lighting up)

After printing



Put the voltage of the lamp all the way down with knob (2)

Leave the fan on for at least 5 minutes to cool down the lamp



Open the gate of the projector and take out your film original.

Close the gate of the projector



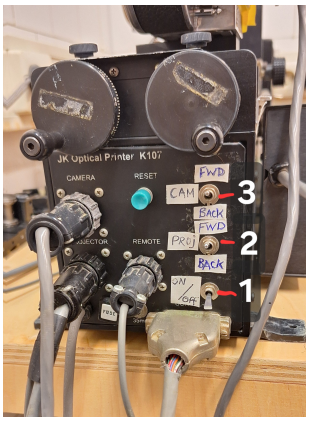
Advance the camera with the manual controller for at least 20 frames.

Cut the filmstock at the take-up reel side (when you make a test and want to continue printing)
Or cut the film at the feed reel side (when you finished printing)

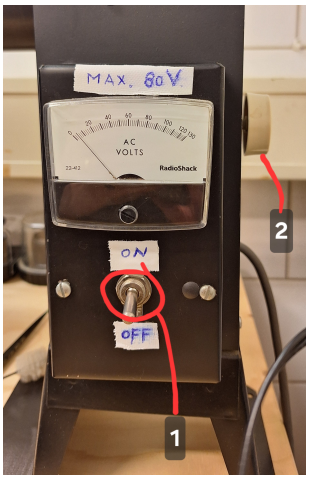
Take out your exposed film stock (take up reel) and your unexposed filmstock (feed reel) from the camera. Again use the manual controller to advance the camera frame by frame.
Do this in total darkness

Leave a daylight spool in the camera for the next user

Rewind your original film on the hand rewind table (room 3) or on one of the small hand rewinders



Turn off the switch (1) at the back panel



Turn off the switch (1) of the lamp



Turn off the main power with the switch at the floor

Clean up the area : put the filters back in their box, do not leave pieces of film and other stuff behind