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Service & Installation Centre

The Place to find Antique, Vintage, Retro or used, 8 mm Super 8 mm 9.5 mm, 16 mm Film Projectors, Slide Transparency Projectors in Various Formats and also a selection of Camera & Darkroom Equipment. Serviced, Refurbished & Reconditioned

Eumig 501

Multi-gauge Silent Film
Projector

Standard 8 mm
Super 8 mm
Single 8

User Manual

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Multi-gauge Silent Projector for Standard 8 mm, Super-8 and Single-8 Films

Fitted with integral-reflector ellipsoid lamp, 8 volts, 50 watts, P 15 S (prefocus) base. The projector is available with either a lens of fixed focal length or a zoom lens.

Accessories supplied with the projector:

Mains lead

Instruction sheet

Guarantee card

- 1 Film trimmer No. 790.1122/6. You can mount this on the projector by removing the paper backing from the self-adhesive base. Locate it where film cuttings cannot drop into the projector. That way the trimmer is always at hand.
- 1 Universal take-up reel AS 18, No. 596.0250/3. (Can be used as an automatic take-up and storage reel.)
- 1 Adapter sleeve No. 704.5710/4 for the reel shaft.

Before Use

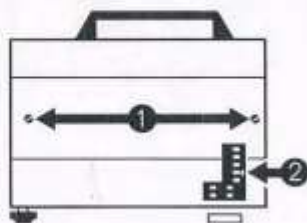
Check that the supply type and frequency (50 or 60 cycles) indicated on the data panel of the projector and the voltage set correspond to the data on your electric supply meter.

Changing the Mains Voltage (always disconnect plug first)

- 1 Unscrew the two retaining screws and remove the back cover.
- 2 Pull off the red plug and connect it to the required terminal. Replace the back.

Changing the mains frequency (special model only)

See instruction in the rear cover.



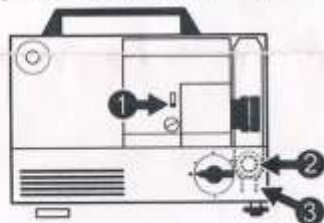
Setting the Required Film Gauge

Setting the projector for Super-8 or Single-8 films:

Push down the lever **1** to position (S) and leave the adapter sleeve **2** in place on the reel shaft.

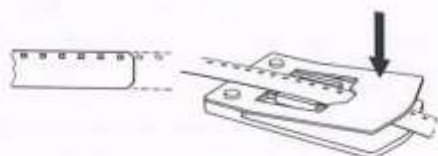
Setting the projector for Normal-8 mm films:

Push the lever **1** upwards to (N) and remove the adapter sleeve **2**. Keep the sleeve in the compartment **3** provided for it.




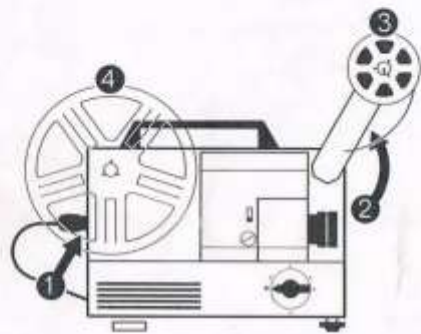
The reel shaft is suitable for both film gauges, but the use of the adapter sleeve with Super-8 reels usually holds the reel more securely.

Projection

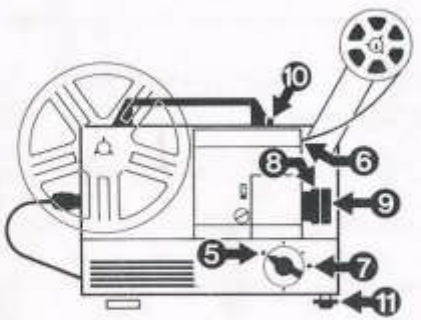





Splice a 20 inch (50 cm) length of thick film leader to the beginning of the film. To be able to utilise the automatic rewind system, splice a similar length also to the end of the film. For perfect operation of the automatic film threading mechanism, the beginning of the film should curl clockwise (but without creases) and must be trimmed cleanly. Use the film trimmer supplied.


Before connecting the projector to the mains move the main switch to the "neutral" position .



- 1 Connect to the mains supply.
- 2 Swing up the reel arm to engage it pointing diagonally upwards.
- 3 Place the full reel on the reel arm and swing down the retaining catch. The perforated edge of the film must face you. If the film is wrongly wound up on the reel – in the opposite sense to that shown in the illustration at the left – respool it by running off and rewinding again.
- 4 Push the special take-up reel – supplied with the projector – home on its shaft.



- 5 Switch the main switch to "forward without lamp" . (This also prewarms the lamp.)
- 6 Push the beginning of the film leader into the threading slot until it engages the threading mechanism. The film then threads automatically.
- 7 Turn the main switch to 9 f.p.s. , 18 f.p.s. with reduced power or 18 f.p.s. with full power , as required. Running the projector at reduced power greatly increases the burning life of the lamp.
- 8 Turn the lens mount to get the image sharp on the screen.
- 9 Select the required image size by turning the zooming ring. (Only with zoom lens.)
- 10 If necessary, adjust the frame line (the dividing line between two frames) by moving the frame line lever.
- 11 Adjust the height of the image on the screen with the levelling screw.



If the projector is cold, we suggest that you let it warm up before threading the film, with the projection lamp switched on for a few minutes. If for any reason the motor stops – e.g. due to a temporary interruption in the current supply – move the main switch again to the neutral position  and turn it back into the required operating position.

Slow-motion Effects

If you want to view any part of the film with slow motion, move the main switch to "9" .


Automatic Rewinding

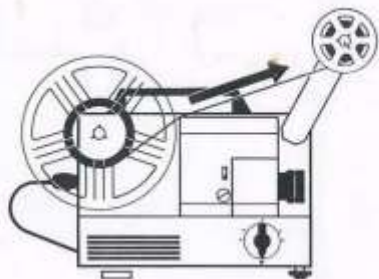
As soon as the trailer spliced to the end of the film appears in the film gate — and in any case before the film leaves the front reel —

- 1 Move the main switch to "rapid rewind"  . The lens holder swings open (the lamp goes out) and the film is rapidly rewound through the film channel.
- 2 To repeat a scene or sequence, you can stop the rapid rewind at any point: Simply move the main switch to "forward projection"  and push the lens holder back home again.



Rewinding


If the film has fully run through and left the feed reel, it can also be rewound by running it directly from the take-up reel to the feed reel, attaching it there and turning the main switch to "Rapid rewind"  .




Care of the EUMIG Mark 501


All moving parts of the projector are permanently lubricated and need no maintenance.

Periodically clean the film track and gate carefully with a soft brush or cloth to remove dust and film debris. To clean the film gate, pressure plate and film channel, first remove the lamphouse cover and open the lens holder.

Set the main switch to "0" (neutral)  and unplug the mains plug.

- 1 Release the screw with a coin and remove the lamphouse cover.
- 2 Set the main switch to "Rapid rewind"  .
- 3 Fully swing open the lens holder.



After cleaning set the main switch to "0" (neutral)  , close the lens holder and replace the lamphouse cover.

The lens can be fully removed from the lens holder and can then be cleaned with a soft cloth or brush.

Always keep your films clean.

To be sure of good image quality, clean the films from time to time with a commercial film cleaner and store them in dust-proof but not too dry conditions.

Changing the Projection lamp


(Set the main switch to "neutral"  and unplug the mains lead first.)

① Remove the lamphouse cover. Turn the projection lamp in the direction of the arrow and lift out from above.

② To fit a new lamp: place the lamp base on the guide pins, press down from above and turn to secure.

Never touch the transparent part of the bulb envelope with your fingers.

Centering the Lamp

Connect the projector to the mains supply and point it at the screen. Switch to "forward projection"  and adjust the lens to focus the edge of the film gate sharply on the screen.

③ If necessary rotate the centering screw to achieve even illumination of the image area. Replace the lamphouse cover.



Changing the Driving Belt (No. 713.3082/3)

(Set the main switch to "neutral"  and unplug the mains lead)

Remove the back and the lamphouse cover, then remove the projection lamp as described above.

Remove the damaged driving belt and place the new one into the groove corresponding to the mains frequency.

Replace the projection lamp and refit the lamp housing and back.



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