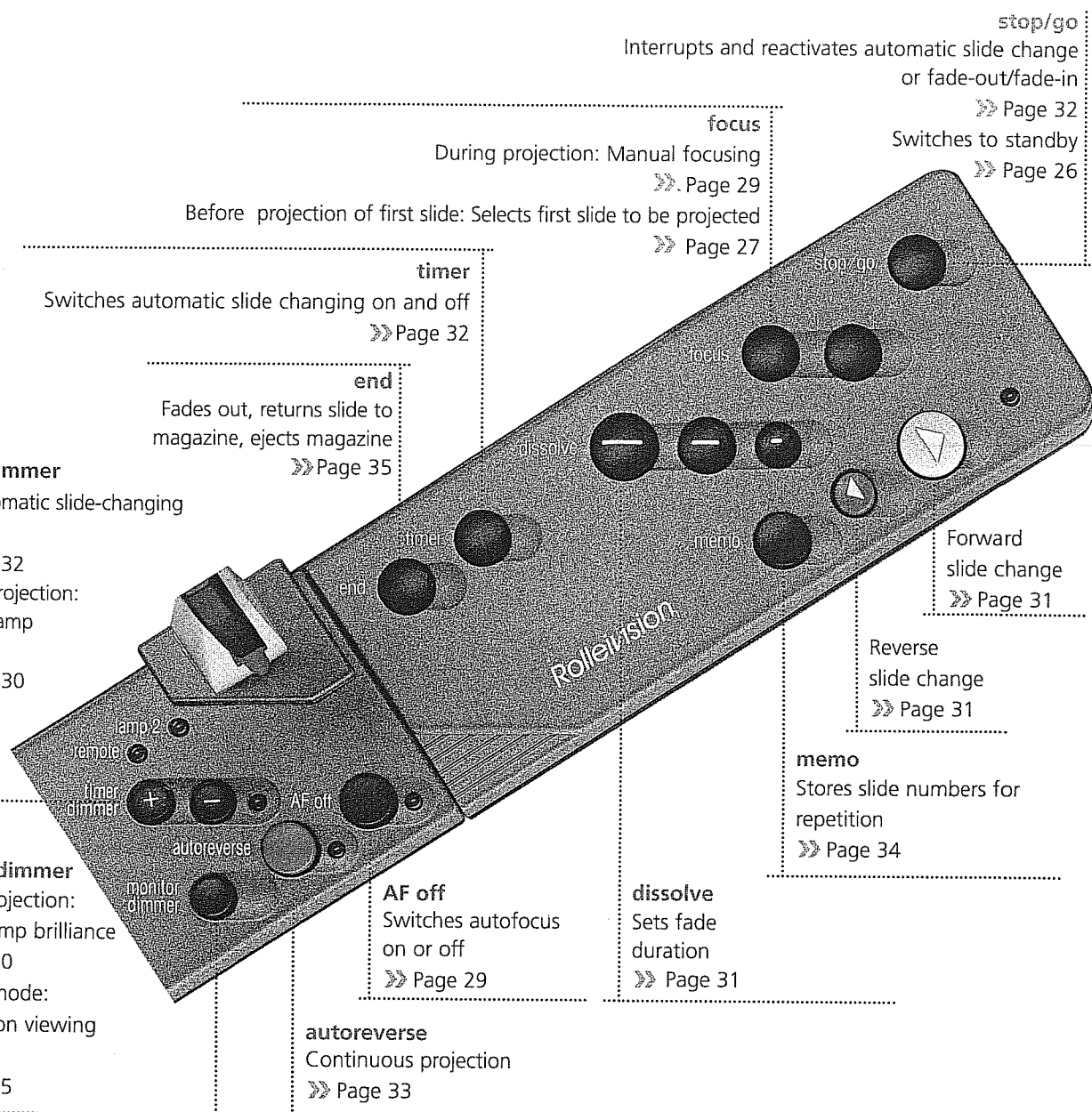




Rolleivision 66 dual P

Operating Instructions



Introduction

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
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GENERAL INFORMATION

Highlighted text

Unmarked text describes general projector functions and operations.

The double arrows  mark settings you have to make on the projector.

Parts numbers, such as 12, as well as designations engraved on the projector, e.g. timer, are shaded.

Proper use

Your Rolleivision 66 Dual P is designed exclusively for projecting medium-format and 35mm slides in 7x7cm or 5x5cm mounts.

The projector is factory-set for the projection of medium-format slides with outside dimensions of 7x7cm.

TIPS AND HINTS

Under this heading you will find suggestions and hints intended to allow smooth operation of the projector, but also background information and helpful details.



CAUTION

Text under this heading describes what you should do or avoid in order not to damage the projector, your slides or other accessories.

This will prevent projector failure and ensure an enjoyable slide show.



CAUTION RISK OF BURNS!

Safety measures intended to avoid health risks are marked by a second warning under the heading.

Safety notes

» Be sure to read these instructions carefully before using your projector for the first time, and follow them at all times to ensure proper operation of the projector.

» When connecting accessories and other components such as for external control, never fail to observe the instructions coming with these units.

» Use exclusively accessories recommended by Rollei-Fototechnik (see Annex).

» Never open the projector during operation! Its metallic components and the entire optical system, above all, are extremely hot after projection!

Open the projector only after it has cooled down. Even then, do not touch lamps or lenses with your bare fingers. Let the projector cool down completely before performing whatever maintenance may be required.

» Set the projector up on a stable and heat-resistant surface.

» Never block ventilation slots.

» To open the projector, follow the instructions given on page 42.

Do not remove the upper cover - there are live parts inside the projector!

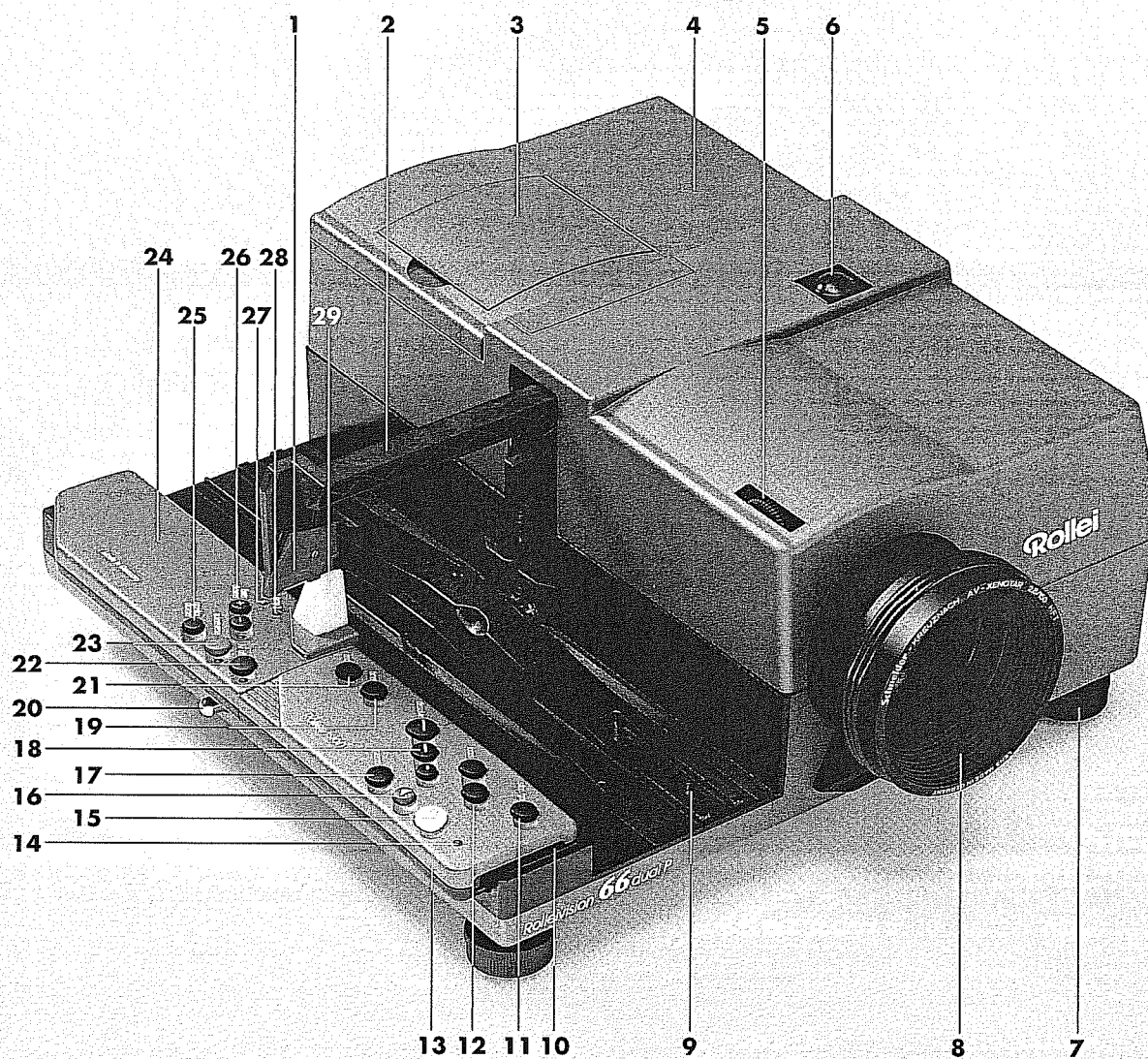
» Do not switch on the lamp as long as the lens cap is in place.

» Limit maintenance to the operations described. Your Rollei dealer will gladly help you with any additional maintenance.

Directions

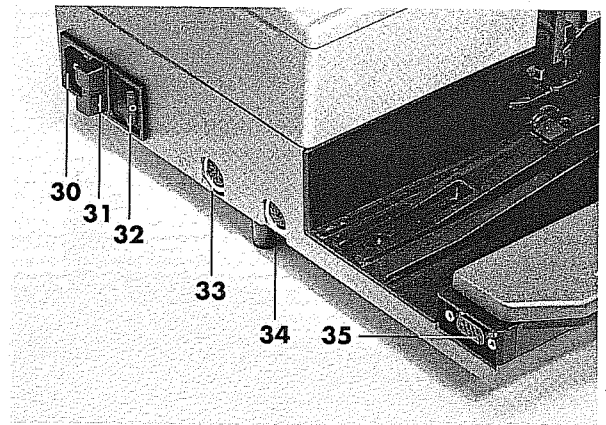
All directions, such as left/right or front/rear, refer to the direction of projection.

COMPONENTS AND CONTROLS



COMPONENTS AND CONTROLS

- 1 Claw, adjustable for different magazine types
- 2 Slide changer
- 3 Viewing screen
- 4 Projector cover
- 5 Knurled focusing wheel
- 6 Infrared sensor
- 7 Elevating foot
- 8 Interchangeable lens (optional accessory)
- 9 Magazine track
- 10 Remote-control transmitter diodes
- 11 **stop/go**: Interruption and reactivation of automatic slide change
- 12 **focus**: During projection: Manual focusing; before projection of first slide: Selection of first slide to be projected
- 13 Remote control
- 14 LED signaling remote control ON and battery
- 15 Manual forward slide change
- 16 Manual reverse slide change
- 17 **memo**: Storage of selected slide numbers
- 18 **dissolve**: Selection of fade-out/fade-in time
- 19 **timer**: Automatic slide change ON/OFF
- 20 Magazine transport release
- 21 **end**: Fade-out, return of slide to magazine, magazine eject
- 22 **AF off**: Switches autofocus off, with LED
- 23 **autoreverse**: Continuous projection, with LED
- 24 Onboard control panel
- 25 **monitor/dimmer**: Before projection of first slide: Adjusting lamp brilliance; in Pause mode: Switching on viewing screen
- 26 **timer/dimmer**: Selecting screen time per slide for automatic slide change, with LED
- 27 **remote**: LED for remote control ON
- 28 **lamp2**: LED signaling lamp failure
- 29 Pause light
- 30 Power-supply socket
- 31 Fuse plug
- 32 Master switch
- 33 RC terminal for connection of interval timer for audio tape control or remote control by cable
- 34 AV terminal for connection of an AV control unit
- 35 Serial interface



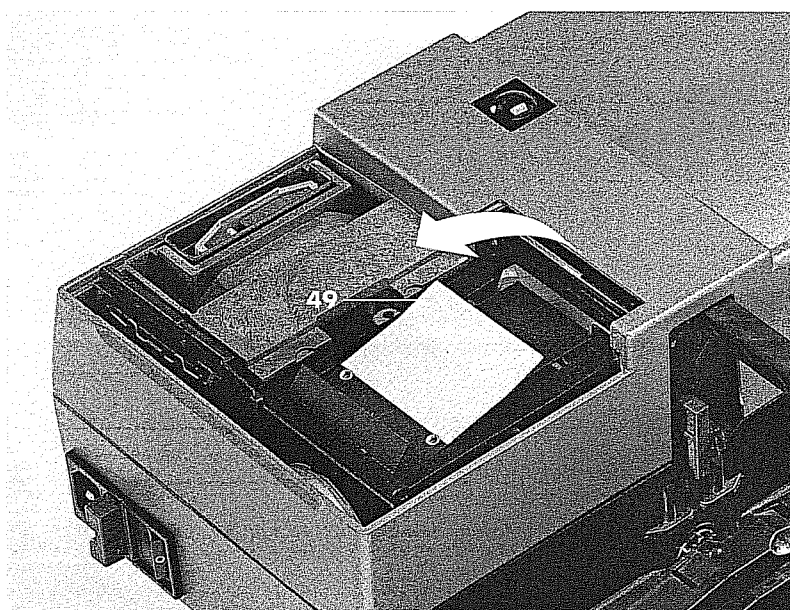
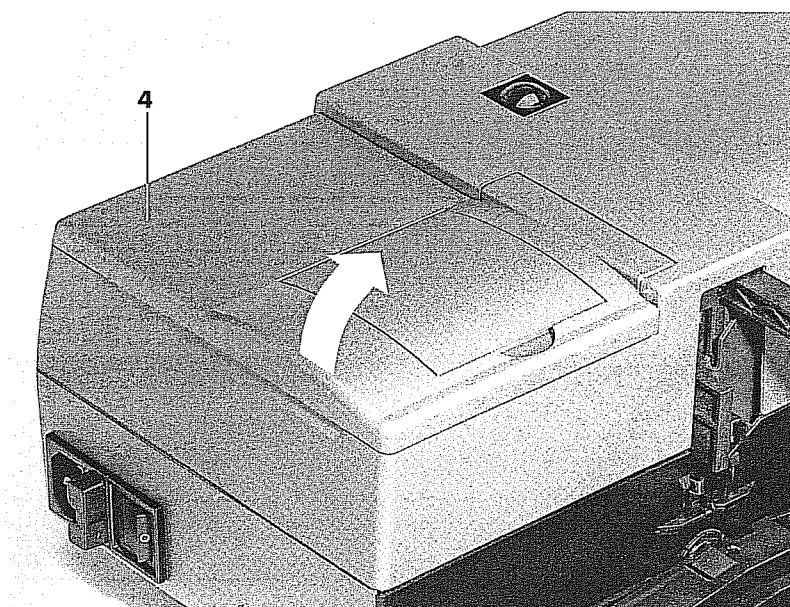
PREPARING THE PROJECTOR FOR OPERATION

Opening the projector

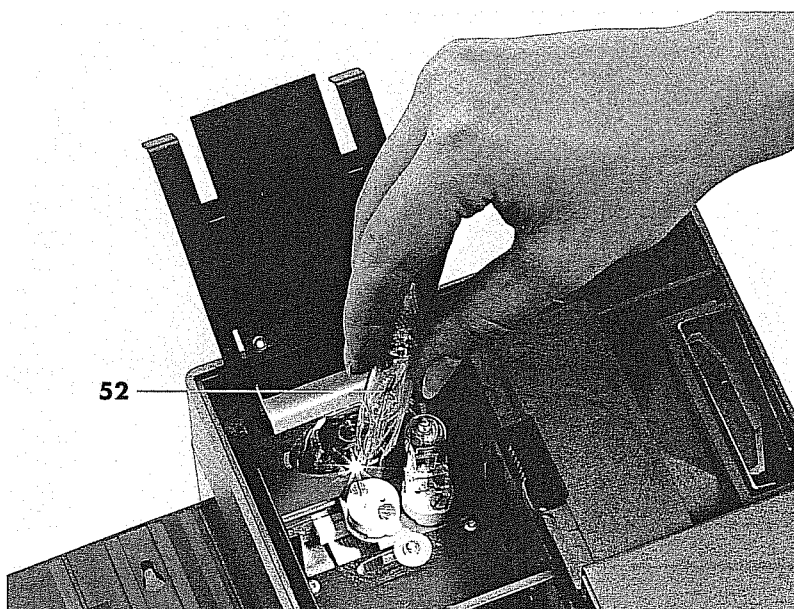
➤ Lift cover 4 out of its rear detent and remove.

➤ Open condenser flap 49.

For more details, see page 42.

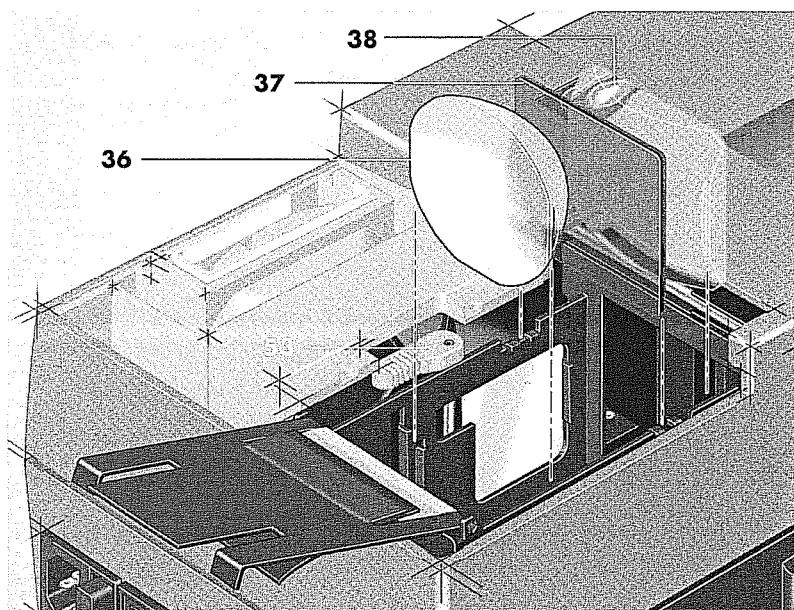


PREPARING THE PROJECTOR FOR OPERATION



Fitting the lamps

- » Use only 24V/250W halogen lamps (Cat. No. 85 034).
- » Check whether return lever 53 is in its normal position.
- » Insert lamps 52 in their protective sleeves into the socket as far as they will go.
- » Only then remove the protective sleeve.
- » Align lamp as described on page 48.



- » Insert slide changer fully.
- » Insert condenser lenses 38 and 36 as well as heat filter 37 into their guides. The plane surface of the front condenser lens 38 should be in contact with the slide-gate cover.

When positioning the condenser lenses, make sure that their lateral grooves are vertical.

Closing the projector

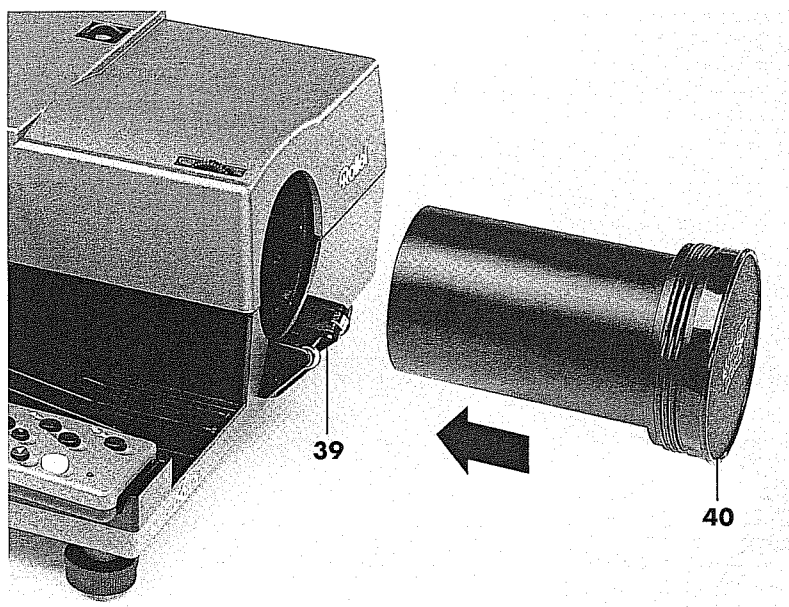
- » Close condenser flap 49 and replace cover 4 (see illustrations on page 8).

PREPARING THE PROJECTOR FOR OPERATION

Attaching the lens

» Place lens barrel on the rollers of lens support 39 and carefully insert it into its guides.

» Remove lens cover 40 only after attaching the lens in order to avoid smudging the front lens.

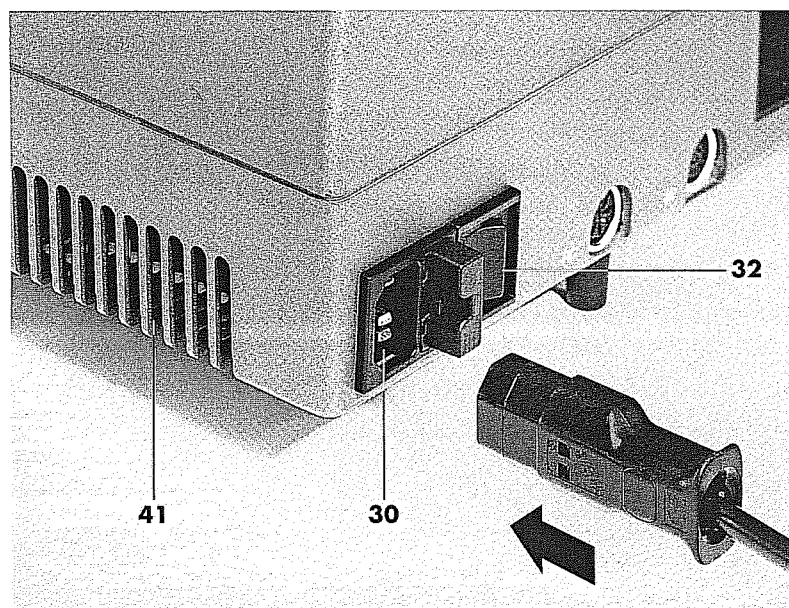


Connecting projector to power supply and switching it on

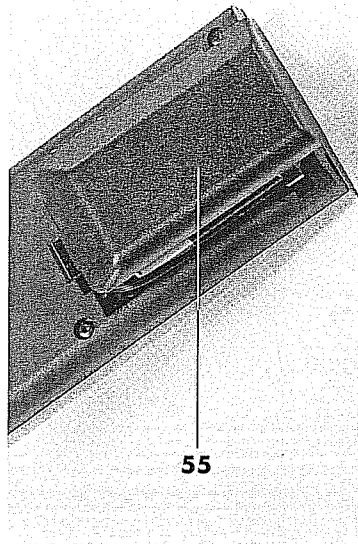
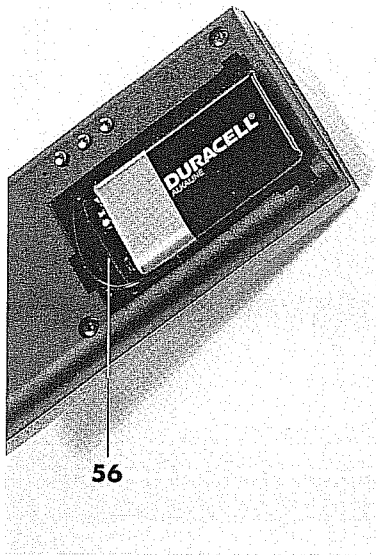
» Plug power cable into connector 30, its other end into an AC outlet (230 V, 50 to 60 Hz).

» Set master switch 32 to I. The projector switches to starting position, the pause light comes on.

» Never block the ventilation slots 41 on the left-hand side of the projector.



PREPARING THE PROJECTOR FOR OPERATION



Inserting the battery

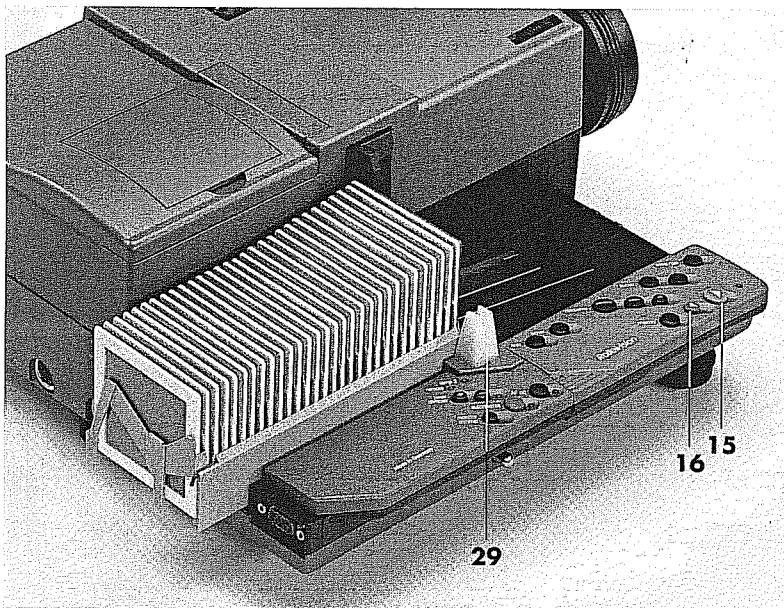
» Remove remote control, shift battery-compartment cover 55 in direction of arrow and remove it.

» Attach terminals 56 to battery terminals and insert 9V battery as illustrated.

» Engage front and rear projections of battery-chamber cover 55 in the corresponding recesses and lock by shifting it against the direction of the arrow.

NOTE:

Batteries containing environmentally harmful substances should be removed from the unit and properly disposed of before the projector is scrapped.



Inserting the slide magazine

» Before inserting the magazine, check to see whether the projector is set for the correct magazine format (see pages 40/41).

The projector is factory-set for medium-format slides.

» Insert magazine with slides so that the slide numbers face outwards.

» Push magazine forward until it stops.

» Press green button 15; the slide changer moves the first slide into the slide stage. The pause light 29 goes out, and the projection lamp fades in.

SETTING AND SLIDE CHANGING

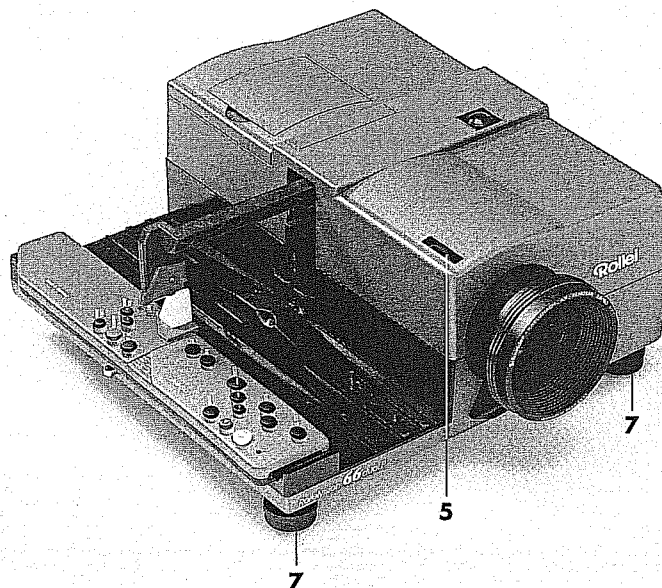
Settings

»» Focus first slide by turning knurled wheel **5** above the lens.

»» Use feet **7** to align the screen image vertically and horizontally.

»» To compensate for larger differences between projector level and center of screen, raise projector or projection table accordingly.

»» If lateral corrections are required to obtain an undistorted screen image, shift projector or screen laterally.



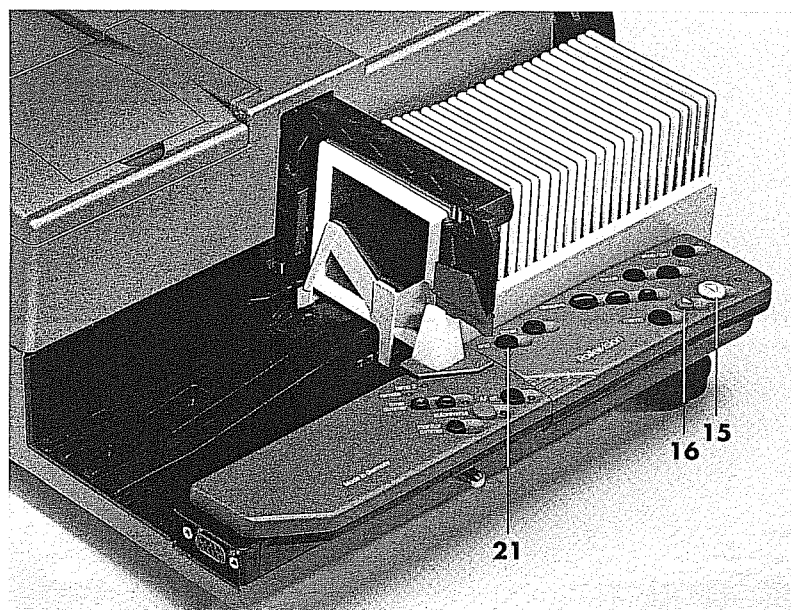
Changing slides

»» Press green button **15** for forward changing.

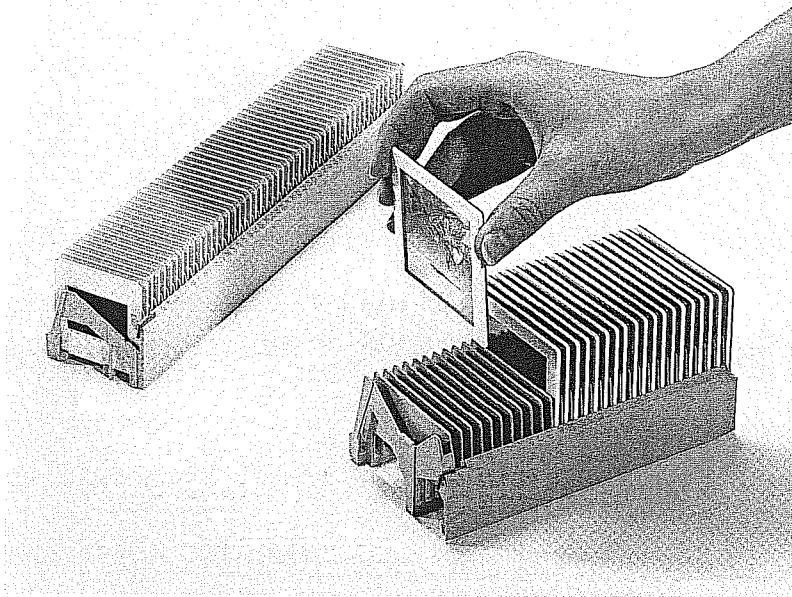
»» Press red button **16** for reverse changing.

Terminating projection

»» Press button **21** end; the magazine is ejected; remove it from its track.



FRAMING SLIDES AND LOADING MAGAZINES



Slide mounts

For medium format, use commercial glass mounts for 4.5x6cm or 6x6cm slides.

For 35mm or super slides, use commercial mounts, preferably plastic ones. Sharp-edged glass or metal mounts are unsuitable.

Mounting slides and loading magazines

Mount slides so that they appear unreversed when viewed from the white side of the mount.

Load slides in two-colored mounts into the magazine so that their lighter side faces away from the projection screen.

Load slides unreversed, but upside down.

Try to use only mounts of the same type in one magazine. Do not mix glassless and glass mounts.

HANDLING SLIDES

TIPS AND HINTS

Avoiding "popping" of slides

Let slides dry under pressure (preferably between tissue paper) before mounting them.

Proper mounting in glassless mounts reduces "popping" due to the heat of the light and, consequently, the need for automatic refocusing.

Slides stored in the projection room over a longer period are less prone to "popping".

Storage and care of slides

Always store slides in cool and dry places. Keep them away from harmful gases and bright light.

Fingerprints will burn into the slides unless wiped off immediately. To remove them, breathe on the slide and carefully wipe with a soft, clean cloth.

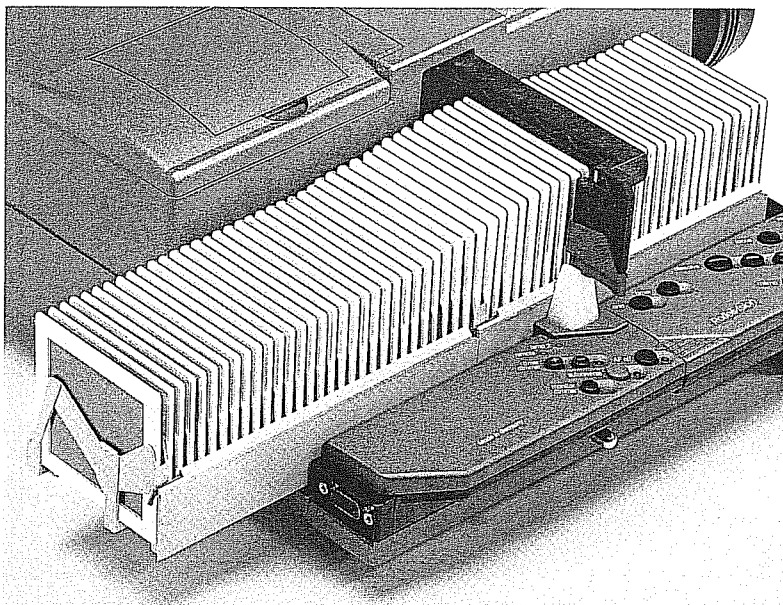
Selecting slides and assembling a slide show

Select slides very critically, eliminating repetitions and poor quality.

Avoid frequent changes between daylight and flash shots as well as random series of personal souvenir pictures.

Assemble powerful series of uniform predominant color, candid shots, etc. Terminate your show with a particularly evocative slide.

Keep the number of slides to a tolerable level and allow for pauses in the show.



For medium-format slides, use only type 77 standard magazines for 30 slides, conforming to DIN 108, or Rollei type CM 77/30 hook-in magazines.

For 35mm slides, use only type 55 standard magazines for 36 or 50 slides, conforming to DIN 108, or Rollei type CM 55/50 hook-in magazines.

Hook-in magazines

Type CM 77/30 and CM 55/50 Rollei slide magazines can be coupled and uncoupled during projection to ensure an uninterrupted slide show.

» Slightly tilt magazine to hook it into the end of the slide-number display of the preceding magazine. Proceed in the reverse order to unhook it.

» CM 77/30 magazines should be coupled no later than during projection of the 25th slide. The first magazine can be unhooked during projection of the 5th to the 25th slide of the second magazine.

» CM 55/50 magazines should be coupled no later than during projection of the 45th slide. The first magazine can be unhooked during projection of the 6th to the 12th slide of the second magazine.

TRACK EXTENSION (OPTIONAL ACCESSORY)

» Engage track extensions (Cat. No. 26 750) with studs in projector track and swing them down.

To remove the extensions, proceed in the reverse order.

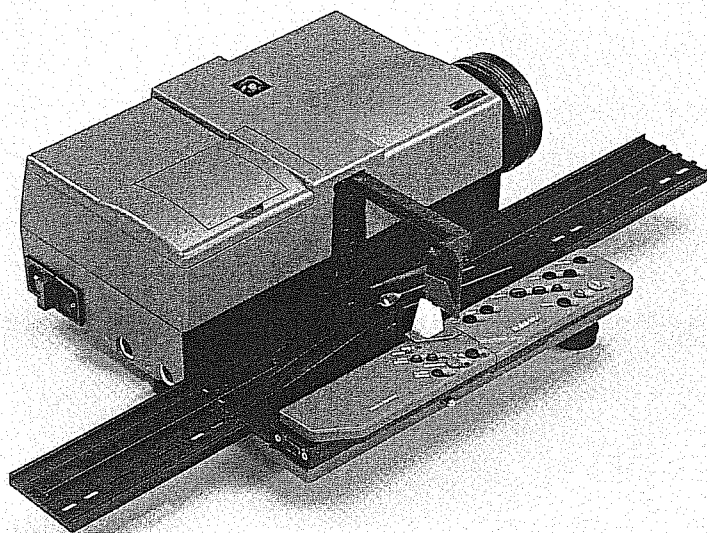
Even with extensions in place, only two hook-in magazines should be used at any time.



CAUTION

Continuous projection or automatically controlled dissolve shows with two CM 77/30 hook-in magazines require the use of track extensions (optional accessories).

Type CM 55/50 magazines cannot be used in these modes even if track extensions are employed. The latter here only allow the magazines to be separated later.



PREPARING FOR THE SLIDE SHOW

The following check list may serve as a reminder of what to do or remember before starting your slide show.

Setting up

Set up screen and projector as described on page 18.

Set up the screen so that its center is slightly above viewers' eyelevel.

Select a suitable viewing distance (two to four times the width of the screen image).

Before starting the show, align screen and projector (see page 21), focus the image and adjust lamp brilliance (see pages 28/30).

Keep projector and slides in the projection room long enough for them to adopt room temperature.

Subdued room light before and especially after the show will be appreciated by your audience.

Darken the room for projection as completely as possible. Be sure to avoid stray light on the screen or in its surroundings.

The audience and the hardware will heat up the room. Make sure there is enough fresh air during the show to avoid tiring your audience.

Checks

Check projection lamps.

To replace a defective lamp see page 46.

Check optical system and lens for cleanliness and freedom from dust. Clean, if necessary (see page 51).

Check whether the screen is clean.

Prepare the projector for the magazine format used (see pages 40/41).

Check sound system.

Helpful aids

Keep all slide magazines within easy reach, close to the projector.

A light pointer (with a fresh battery) is a useful aid.

Keep a spare battery for the remote control and a spare fuse ready.

SETTING UP THE SCREEN AND THE PROJECTOR

A large, crease-free screen guarantees a screen image of optimum quality and impact.

Choose a large-enough projection screen.

A screen size of 150x150cm is sufficient for home use, screens above 180x180cm are for use in large and very large rooms.

Select a suitable screen distance (two to four times the width of the screen image). The table opposite gives an idea of screen sizes and projection distances.

Set the screen up vertically. The center of the screen should be level with the projection lens and about 25cm above the audience's eye-level.



CAUTION

Since projectors get very hot during normal operation, make sure there is sufficient air circulation and distance to temperature-sensitive materials.

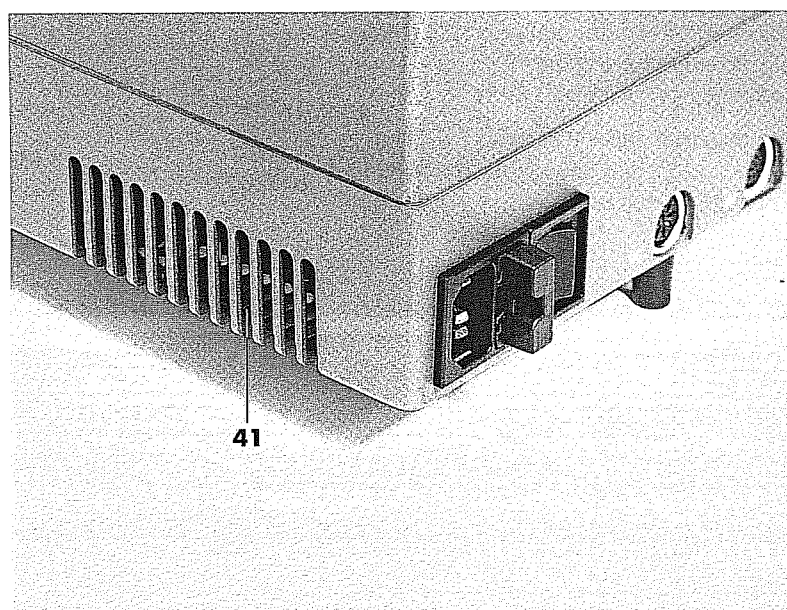
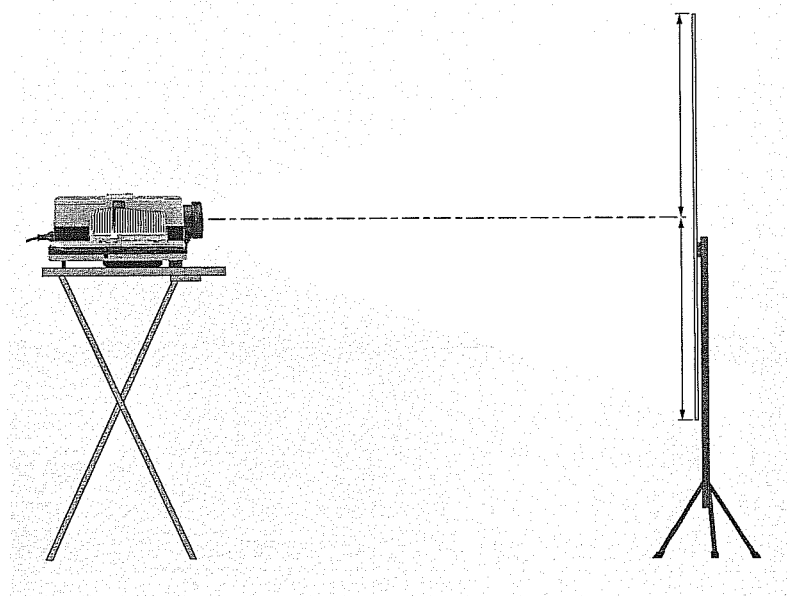
Never block ventilation slots 41 on left-hand side of projector.

Lay all cables so that nobody will trip over them.

If at all possible, set the projector up behind the audience and project above their heads.

To obtain an undistorted image, align the front of the projector so that it is parallel with the screen.

Leave sufficient room for slide-magazine movement.



SETTING UP THE SCREEN AND THE PROJECTOR

| SCREEN SIZE IN METERS | | | | | | | | |
|-------------------------------|-----|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| FOCAL LENGTH | | 1.00 x 1.00 | 1.25 x 1.25 | 1.50 x 1.50 | 1.80 x 1.80 | 2.00 x 2.00 | 2.40 x 2.40 | 3.00 x 3.00 |
| PROJECTION DISTANCE IN METERS | | | | | | | | |
| 6 x 6 cm | | | | | | | | |
| 90 mm | 1.7 | 2.2 | 2.6 | 3.1 | 3.4 | 4.1 | 5.1 | |
| 110 mm | 2.1 | 2.6 | 3.1 | 3.7 | 4.1 | 5.0 | 6.1 | |
| 120 mm | 2.2 | 2.4 | 3.3 | 4.0 | 4.4 | 5.5 | 6.6 | |
| 130 mm | 2.4 | 3.0 | 3.6 | 4.3 | 4.8 | 6.0 | 7.2 | |
| 150 mm | 2.8 | 3.5 | 4.2 | 5.0 | 5.5 | 6.9 | 8.3 | |
| 160 mm | 3.0 | 3.7 | 4.5 | 5.3 | 5.9 | 7.3 | 8.8 | |
| 180 mm | 3.4 | 4.2 | 5.0 | 6.0 | 6.7 | 8.3 | 9.9 | |
| 250 mm | 4.7 | 5.8 | 7.0 | 8.3 | 9.2 | 11.5 | 13.8 | |
| 400 mm | 7.4 | 9.3 | 11.1 | 13.3 | 14.8 | 18.3 | 22.0 | |
| 4 x 4 cm | | | | | | | | |
| 70 mm | 1.8 | 2.3 | 2.7 | 3.3 | 3.6 | 4.4 | 5.5 | |
| 90 mm | 2.3 | 2.9 | 3.5 | 4.2 | 4.7 | 5.7 | 7.0 | |
| 120 mm | 3.1 | 3.9 | 4.7 | 5.6 | 6.2 | 7.6 | 9.3 | |
| 150 mm | 3.9 | 4.9 | 5.9 | 7.0 | 7.8 | 9.6 | 11.7 | |
| 250 mm | 6.5 | 8.1 | 9.8 | 11.7 | 13.0 | 16.0 | 19.5 | |
| 24 x 36 mm | | | | | | | | |
| 60 mm | 1.7 | 2.1 | 2.5 | 3.1 | 3.4 | 4.2 | 5.1 | |
| 70 mm | 2.0 | 2.5 | 3.0 | 3.6 | 4.0 | 5.0 | 6.0 | |
| 85 mm | 2.4 | 3.0 | 3.6 | 4.3 | 4.8 | 6.0 | 7.2 | |
| 90 mm | 2.6 | 3.2 | 3.9 | 4.6 | 5.2 | 6.4 | 7.8 | |
| 120 mm | 3.4 | 4.3 | 5.1 | 6.2 | 6.8 | 8.6 | 10.2 | |
| 150 mm | 4.3 | 5.3 | 6.4 | 7.7 | 8.6 | 10.6 | 12.9 | |
| 250 mm | 7.1 | 8.9 | 10.7 | 12.9 | 14.2 | 17.8 | 21.3 | |

CONNECTING AND SWITCHING ON THE PROJECTOR

The projector is designed for operation on 230V AC.

It automatically switches to the local frequency of 50 Hz or 60 Hz.

Connecting the projector to the power supply

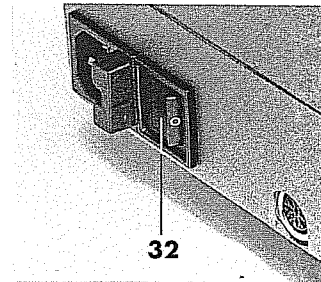
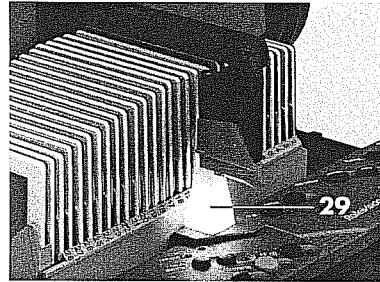
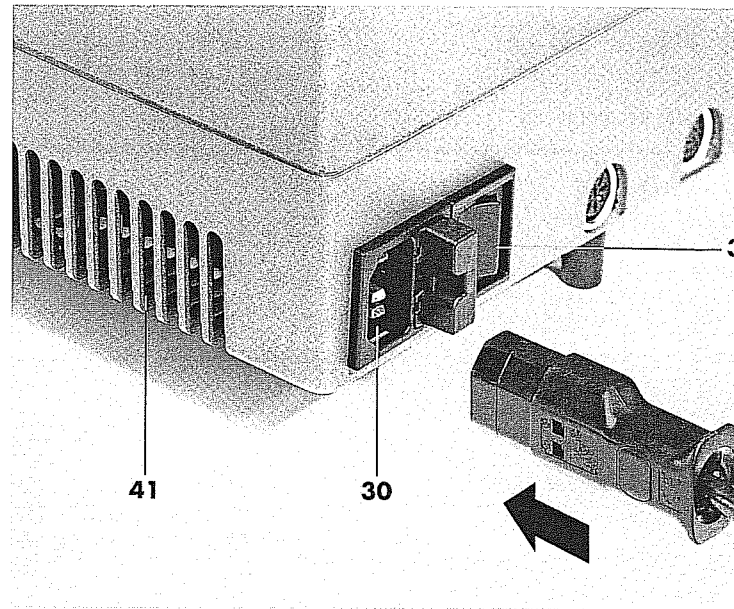
» Plug power cable into connector 30, its other end into an AC outlet.

Switching the projector on

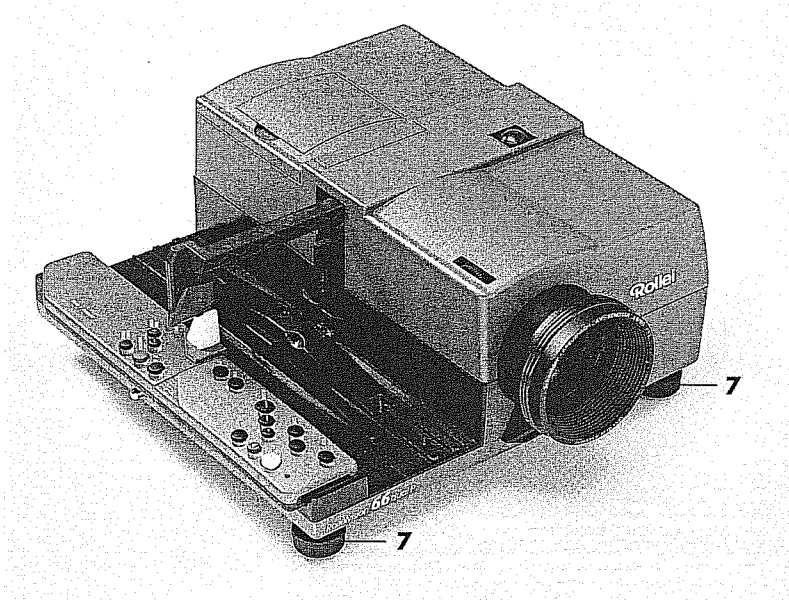
» Set master switch 32 to I. The projector switches to starting position, the pause light comes on.

» Never block ventilation slots 41 on left-hand side of projector.

After switching on, lamp output is 100%.



ALIGNING THE SCREEN WITH THE PROJECTOR



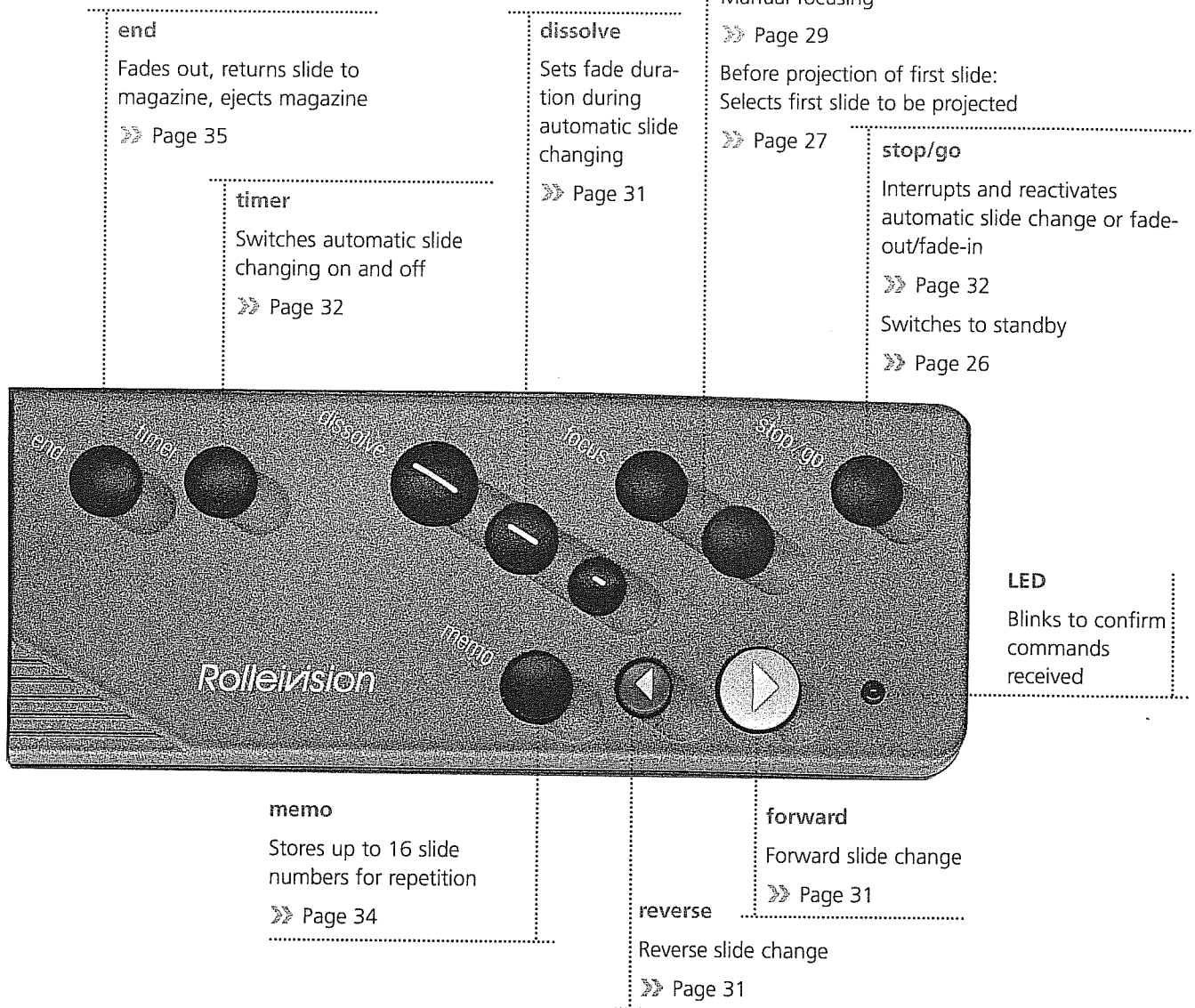
Set the projector up so that its lens is level with the center of the screen to avoid trapezoidal distortion of the image.

Do not tilt the projector up excessively with the aid of its feet.

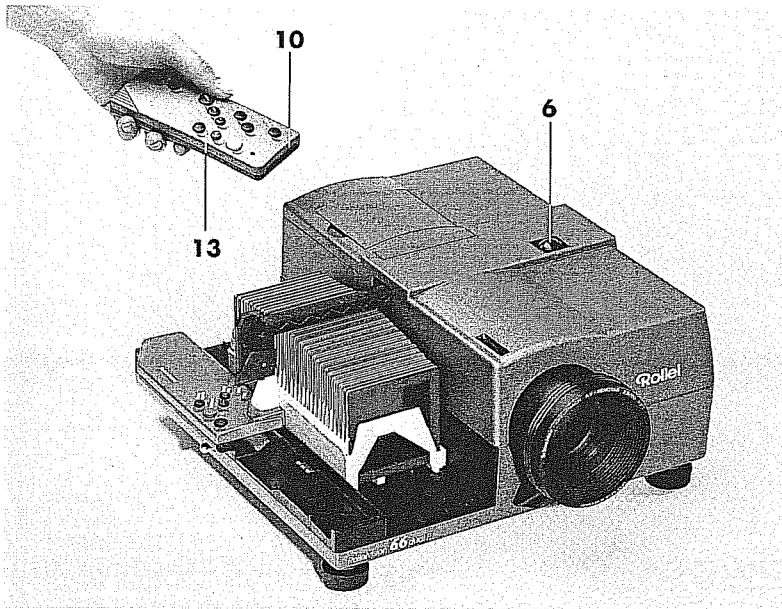
- »» Correct vertical and horizontal orientation of screen image using the feet 7.
- »» Be sure to correct pronounced discrepancies between the height of the image and the center of the screen exclusively by raising the projector or the projection table.
- »» If lateral corrections are necessary to obtain an undistorted image, shift either the projector or the screen in parallel.
- »» If the show includes both vertical and horizontal formats, adjust the screen image for both.

REMOTE CONTROL

To control the projector, use its infrared remote control, leaving it either attached to the projector or taking it out of its bay.



REMOTE CONTROL



» Lift remote control 13 out of its bay.

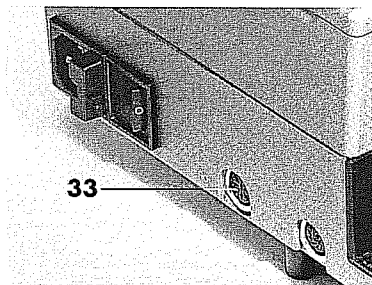
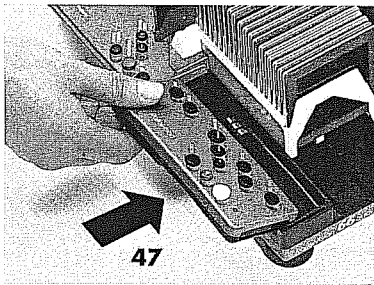
» Before using the remote control for the first time, load a battery (9V E-block), see page 24.

» When using the remote control, always point transmitter diodes 10 at sensor 6.

» Do not exceed the maximum range of 10m.

» Shield the infrared sensor 6 from bright stray light, e.g. from a lamp or direct daylight.

» To replace the handset, first insert its left-hand side into the bay 47, then press it down on the right.



TIPS AND HINTS

A cable control may be connected to terminal 33 RC. In this case, remove the infrared control from its bay.

REMOTE-CONTROL BATTERY

Inserting the battery

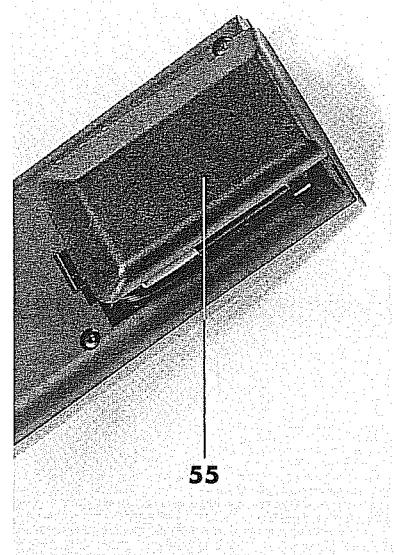
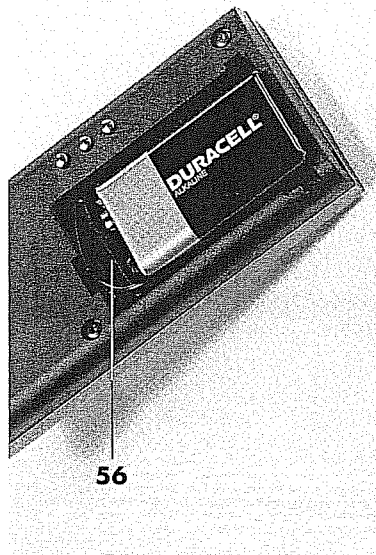
» Remove remote control, shift battery-compartment cover 55 in direction of arrow and remove it.

» Attach terminals 56 to battery terminals and insert 9V battery as illustrated.

» Engage front and rear projections of battery-chamber cover 55 in the corresponding recesses and lock by shifting it against the direction of the arrow.

NOTE:

Batteries containing environmentally harmful substances should be removed from the unit and properly disposed of before the projector is scrapped.



ONBOARD CONTROL PANEL AND DISPLAYS

Red LEDs in the onboard control panel keep you informed about the operating status of the projector.

timer/dimmer

Sets automatic slide-changing intervals.

Blinking of the LED indicates that the timer has been activated or its operation interrupted by *stop/go*.

Lighting continuously, the LED signals active timer mode.

» Page 32

During projection:

Adjusts lamp brilliance.

» Page 30

monitor/dimmer

During projection:

Adjusts lamp brilliance

» Page 30

In Pause mode: Switches on viewing screen

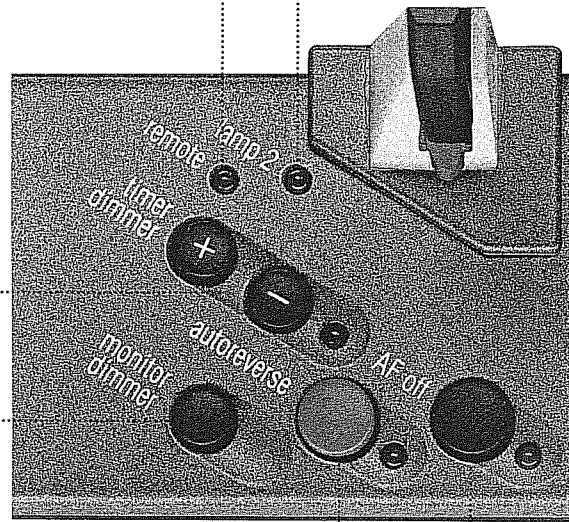
» Page 35

remote

Blinks to confirm commands received from remote control.

lamp 2

Projection lamp failed during show (see also page 46)



autoreverse

Continuous projection (LED lit).

» Page 33

AF off

Autofocus switched off (LED lit)

Switch on autofocus (LED off).

» Page 29

STARTING PROJECTION

»» Insert magazine with slides so that slide numbers face outwards.

»» Push magazine forward until it stops.

Commercial medium-format magazines may require overcoming a slight resistance as the first drive tooth engages.

Starting with the first slide

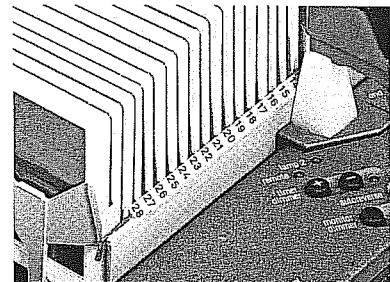
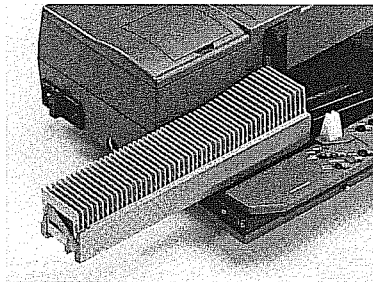
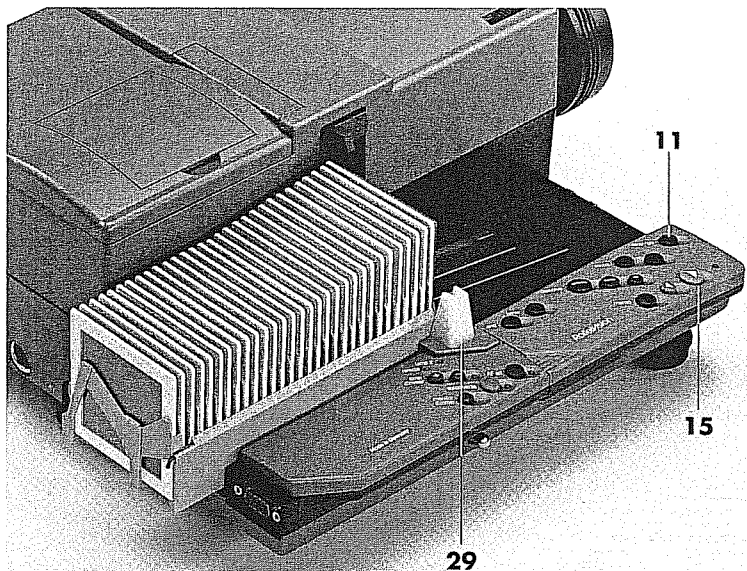
»» Press green button 15; the slide changer moves the first slide into the slide stage.

Pause light 29 goes out, and the projection lamp fades in.

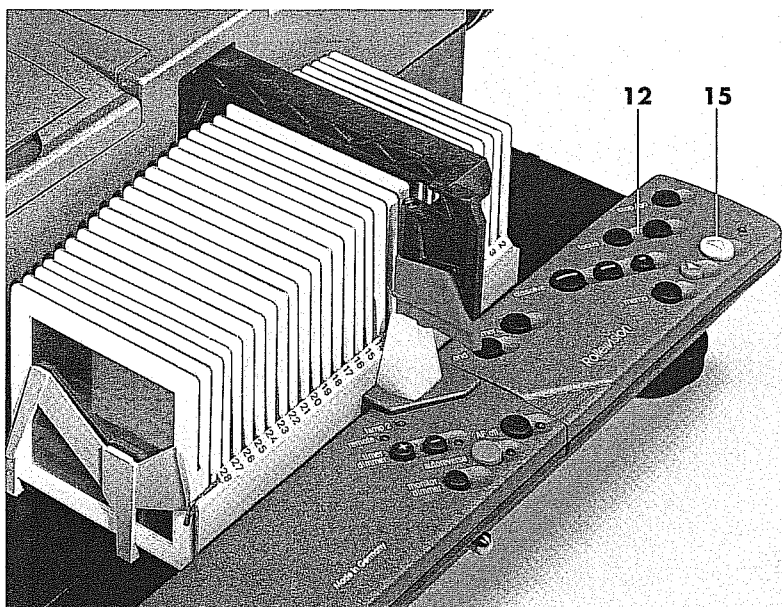
Standby

»» To project the first slide, press button 11 *stop/go*, then press green button 15. The slide is moved into position, but the lamp will not come on.

Only when the green button is pressed again will the lamp fade in with the preset speed.



STARTING PROJECTION



Starting with another than the first slide

If you wish, projection may start with any slide in the magazine.

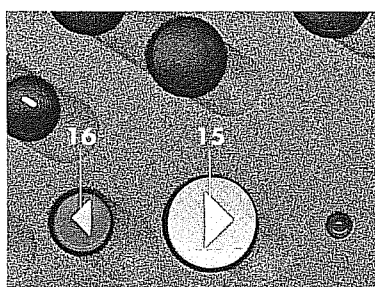
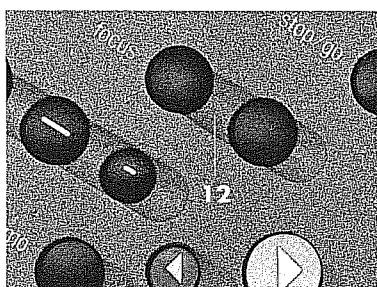
» Keep front button **12 focus** depressed until the magazine is in the desired position.

» After releasing and again pressing one of the two buttons **12 focus**, the magazine is moved in single steps in the desired direction.

If the interval between release and renewed depression of the buttons **12 focus** exceeds 1.5 seconds, magazine advance will revert to the rapid mode (forward only).

» Press green button **15**; the slide changer moves the first slide into position.

The pause light goes out, and the projection lamp comes on.



TIPS AND HINTS

This function is active only until the green button **15** is pressed for the first time or a "forward" transport signal is given by a control unit.

Starting with another than the first slide is not possible if the magazine has been inserted backwards.

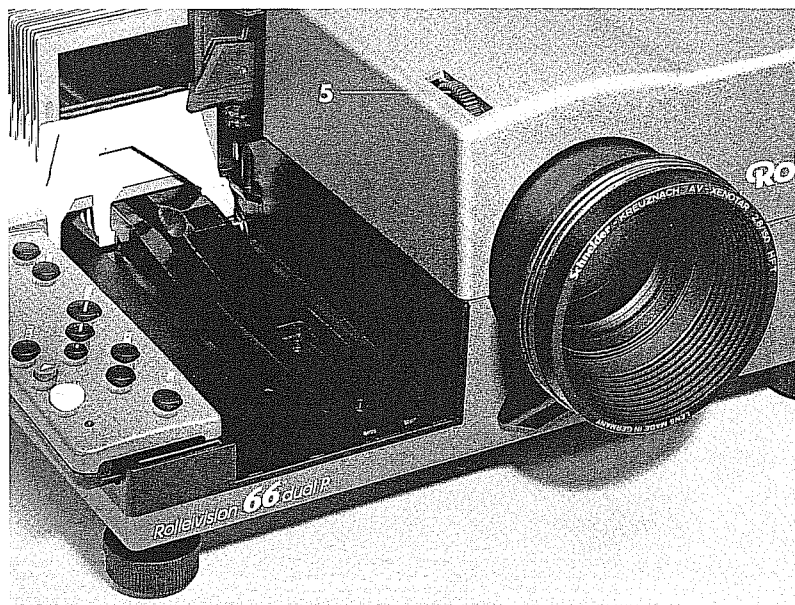
MANUAL FOCUSING

Manual focusing is required only once at the beginning. Thereafter, the autofocus system will take over. This includes refocusing after the popping of slides in glassless mounts.

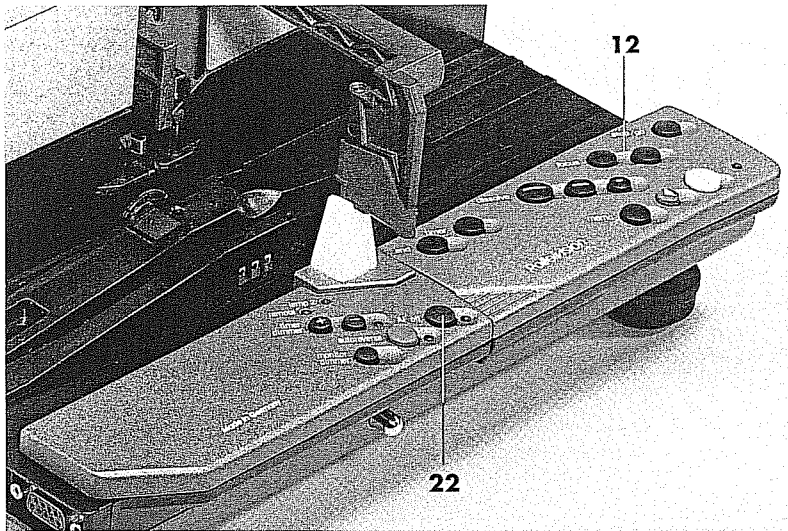
» Focus first slide by turning knurled wheel 5 above the lens.

Manual refocusing is required

- after changing the lens;
- after changing the projection distance;
- after changing the focal-length setting of a zoom lens;
- after switching from glass mounts to glassless mounts, or vice versa.



MANUAL AND AUTOMATIC FOCUSING



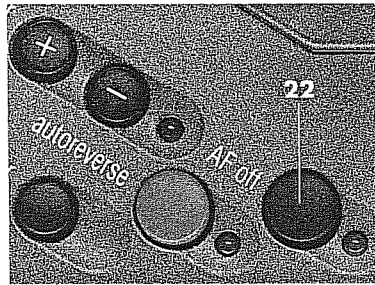
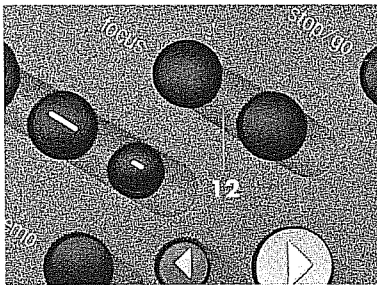
After basic manual focusing, the autofocusing system takes over and refocuses even after the popping of slides in glassless mounts.

» With autofocus ON, manual focusing is possible with buttons **12 focus** (manual override).

Blinking of the LED beside button **22 AF off** indicates that autofocus is OFF during projection.

Autofocusing is reactivated after the next slide change.

If autofocusing is to be reactivated after manual override, press button **22 AF off** twice.



If you wish to project several slides without autofocusing,

» switch off autofocus using button **22 AF off**; the red LED lights continuously.

Renewed depression of the button reactivates autofocusing.

ADJUSTING LAMP BRILLIANCE

When the projector is switched on, lamp output is 100%. During projection, this can be reduced in five steps.

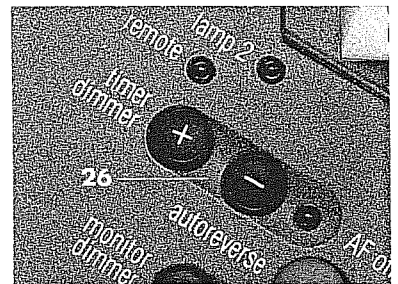
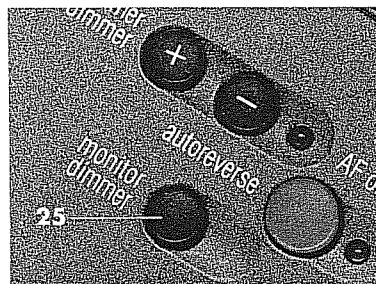
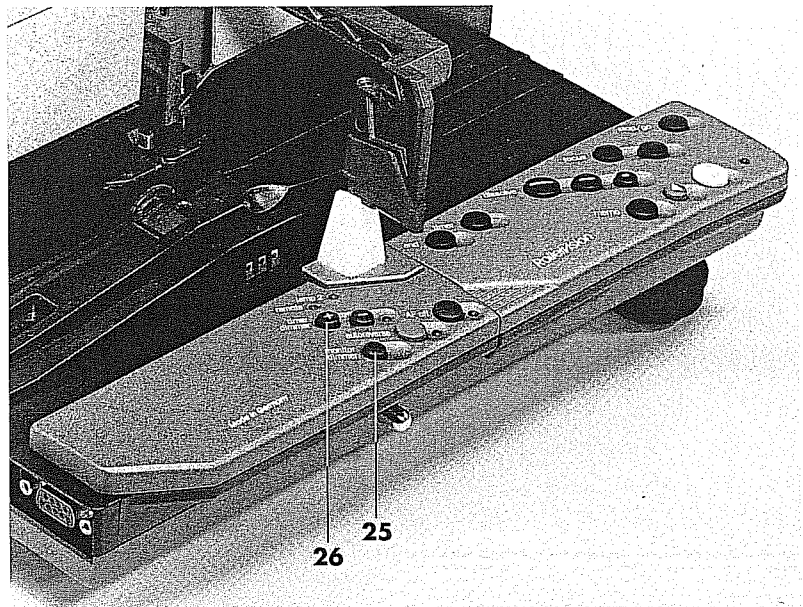
Reduced light output will increase lamp life considerably. Also, the slides will heat up less, resulting in less "popping" with glassless mounts and fewer Newton's rings with glass mounts.

» Keep button 25 **monitor/dimmer** depressed and adjust lamp brilliance by pressing the "-" or "+" button 26 **timer/dimmer**.

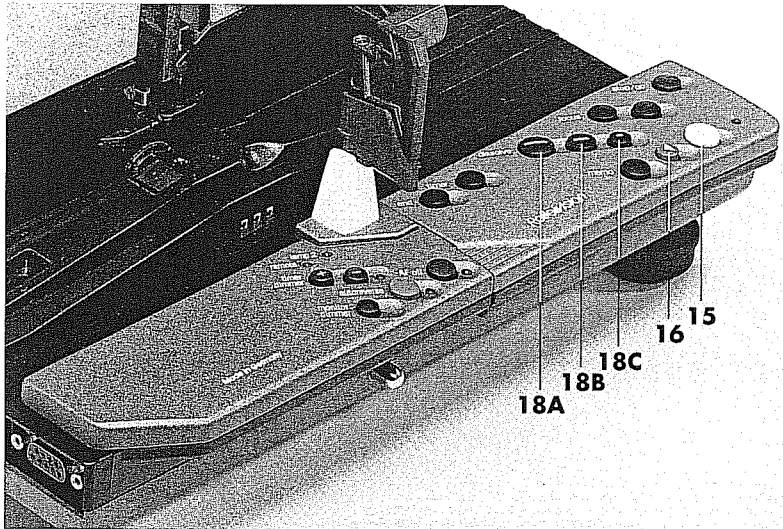
TIPS AND HINTS

Always choose the light output to suit projection conditions, such as slide type, image size, projection distance, screen type and darkening of room.

Your personal preference should be your only guide. Reduce light output sufficiently to obtain screen images of pleasant density and color saturation.



SELECTING FADE DURATION



Fade-in and fade-out of the lamp ensures a soft transition from one image to another, which is easy on your eyes.

After switching on, the projector is set for a fade-out/fade-in duration of 2.5 seconds.

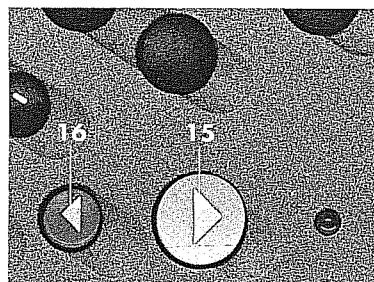
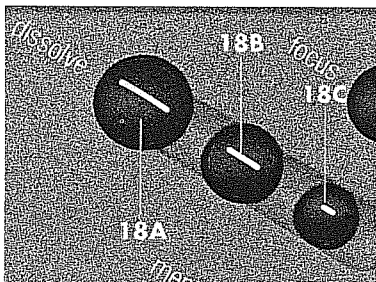
» To change the fade duration, use buttons 18: dissolve

For 5 seconds, press button 18A

For 2.5 seconds, press button 18B

For 0.1 second (shutter mode), press button 18C.

CHANGING SLIDES MANUALLY



» Press green button 15 to advance by one slide.

» Press red button 16 to reverse by one slide.

The projection lamp will not light if there is no slide in the slide stage (No-slide/no-light function).

AUTOMATIC SLIDE CHANGING

The timer allows automatic slide changing at preset intervals. You may choose between three of these.

» Activate timer by pressing button 19 timer.

When the projector is switched on, the timer is set for eight seconds.

» To change the interval, press buttons 26 timer/dimmer. The red LED beside the buttons flashes to confirm your setting.

Button 26A "+": 12 seconds

Button 26B "-": 4 seconds

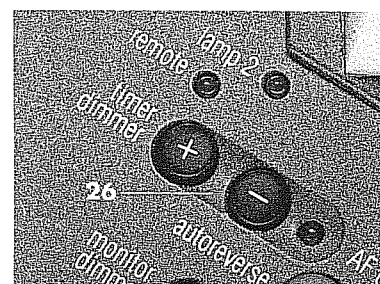
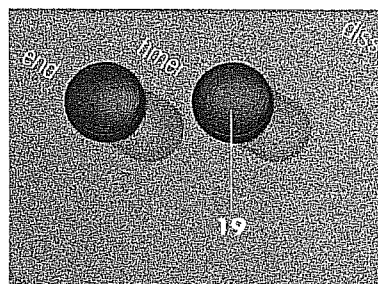
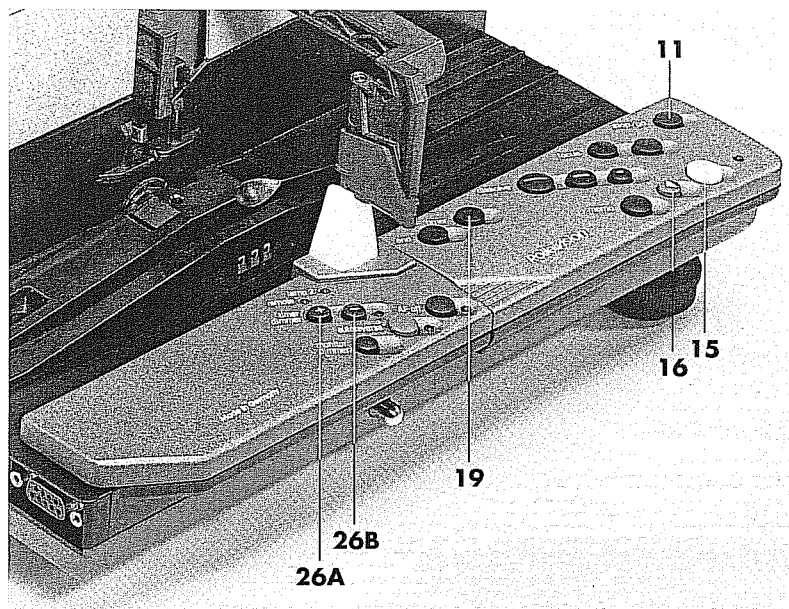
To switch back to eight seconds, press buttons 26A and 26B simultaneously.

» Press green button 15 to start the timer mode. The LED beside buttons 26 lights continuously.

» To interrupt timer mode, press button 11 stop/go.

To resume timer mode, press button 11 stop/go once more.

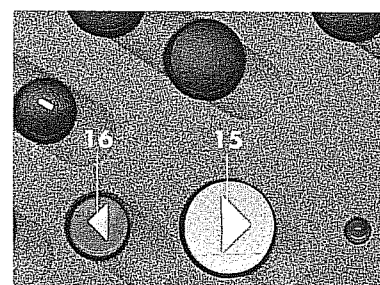
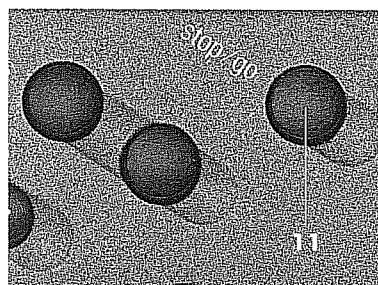
» To switch off the timer, press button 19 timer.



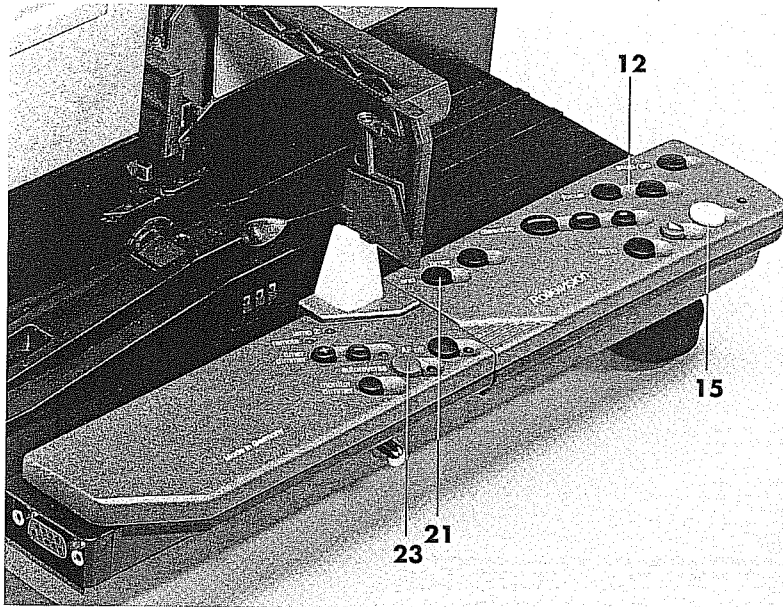
TIPS AND HINTS

The timer mode is available only during forward projection.

Depression of the red button 16 deactivates the timer. If you wish to resume timed projection, you will have to reactivate the timer (button 19) and restart it (button 15).



CONTINUOUS PROJECTION



Continuous projection of an entire magazine:

» Insert magazine and press button 23 autoreverse. The LED lights up.

Continuous projection from first slide to a specific slide number:

» Insert magazine and move to desired exit point by pressing buttons 12 focus (see page 27).

» Press button 23 autoreverse. The LED lights up.

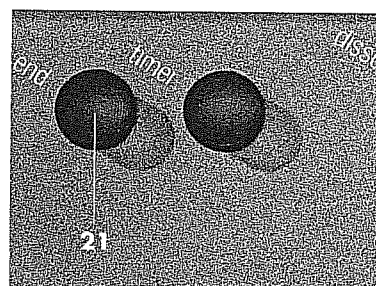
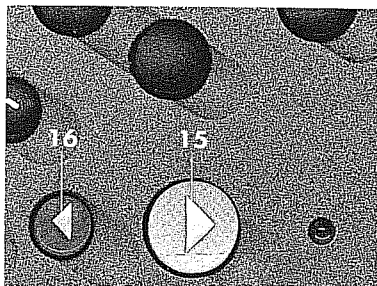
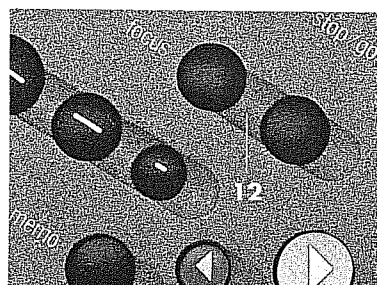
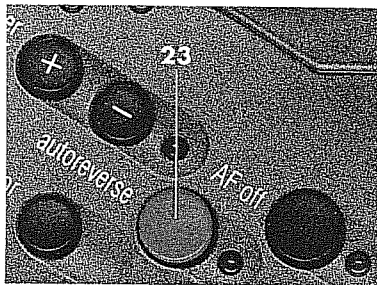
Continuous projection between two specified slide numbers:

» Insert magazine and move to first slide using buttons 12 focus (see page 27).

» Press button 23 autoreverse. The LED lights up.

» Move to exit-point slide using buttons 12 focus.

» Press button 23 autoreverse once more.



Starting

» Start continuous projection by pressing green button 15.

It is advisable to combine continuous projection with the timer mode.

Stopping

» Continuous projection can be stopped at any time by pressing button 21 end.

MEMO FUNCTION

Up to 16 slide numbers can be selected and stored during projection. After the projection run, these slides can be repeated once in the order in which they were stored.

Storing slide numbers

» During projection, store slides to be repeated by pressing button 17 **memo**.

Starting

After the projection run (magazine run through or button 21 **end** depressed), the projector will automatically project the first of the slides put in memory.

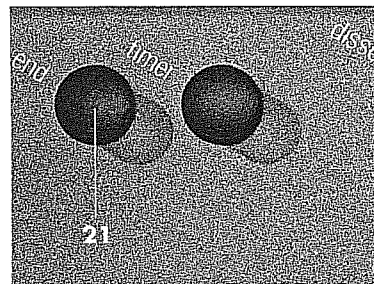
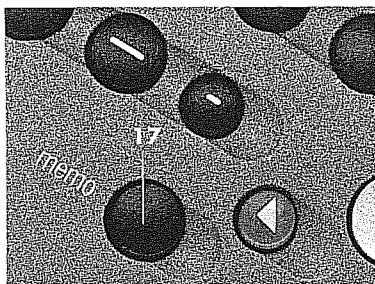
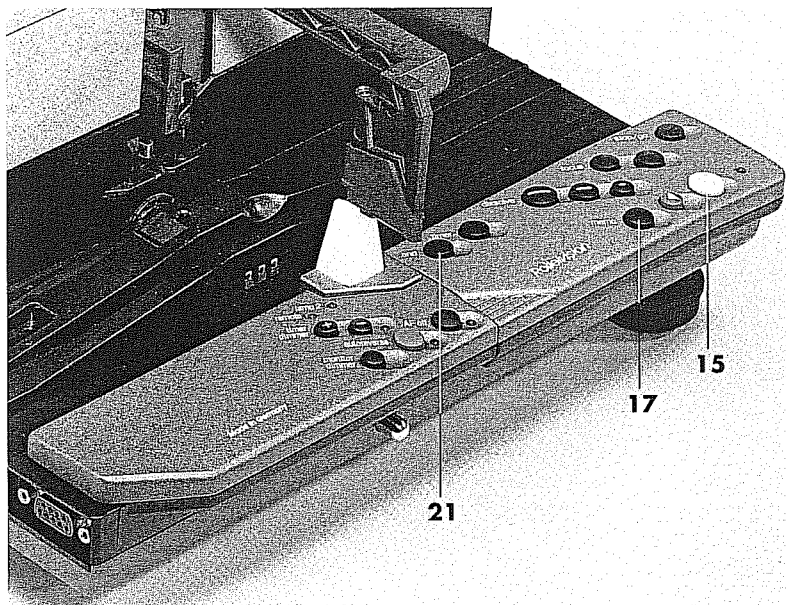
» All following slides in memory can be called by pressing the green button 15. Automatic changing of stored slides in the timer mode is not possible.

Stopping

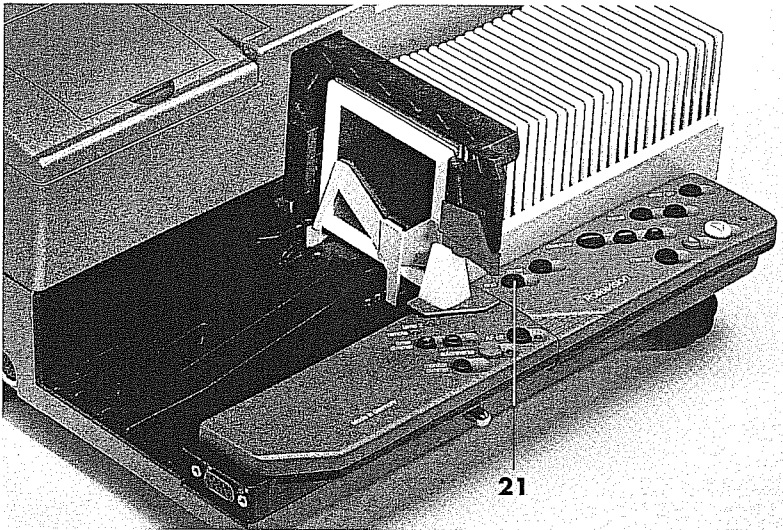
» The memo function can be deactivated at any time by pressing button 21 **end**.

TIPS AND HINTS

The memo function is only available for forward projection.



CHANGING SLIDE MAGAZINES

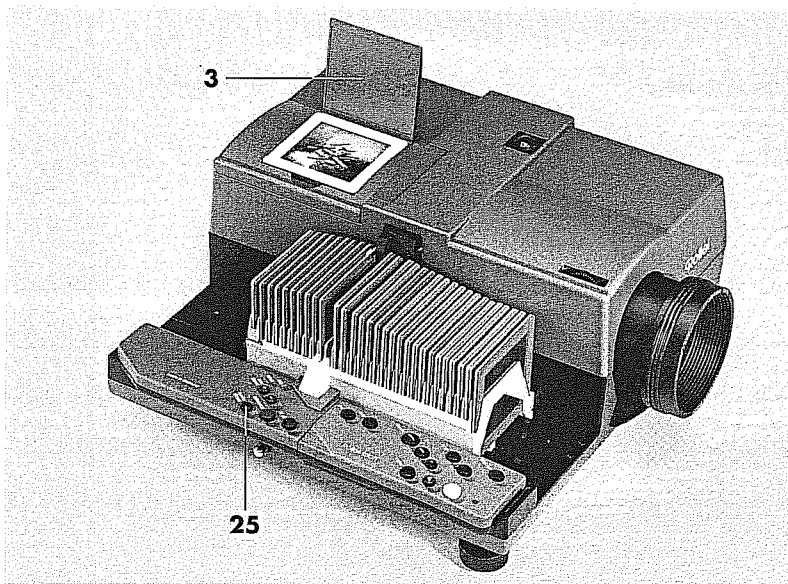


» After projecting the last slide, push the magazine away from the slide changer, out of its track.

» If only part of the slides have been projected, press button 21 end to eject the magazine; then remove it from its track.

» Insert next slide magazine with slide numbers facing outwards and push it forwards until it stops.

VIEWING SLIDES ON THE MONITOR SCREEN



The monitor screen incorporated in the projector's top plate serves to view transparencies for sorting and checking.

» With the projector ON, open cover 3 and place slide on viewer.

The viewing screen remains dark as long as the pause light is on.

» Switch viewing screen on by pressing button 25 monitor/dimmer. The shutter closes; no light reaches the projection screen.

Another depression of the button changes back to pause light.

» Open cover 3 and place slide on viewing screen.

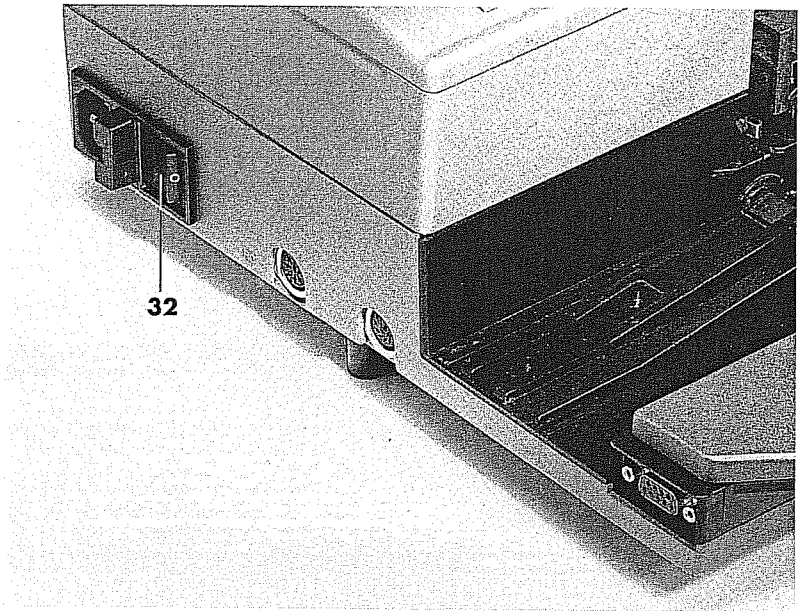
WINDING UP THE SLIDE SHOW

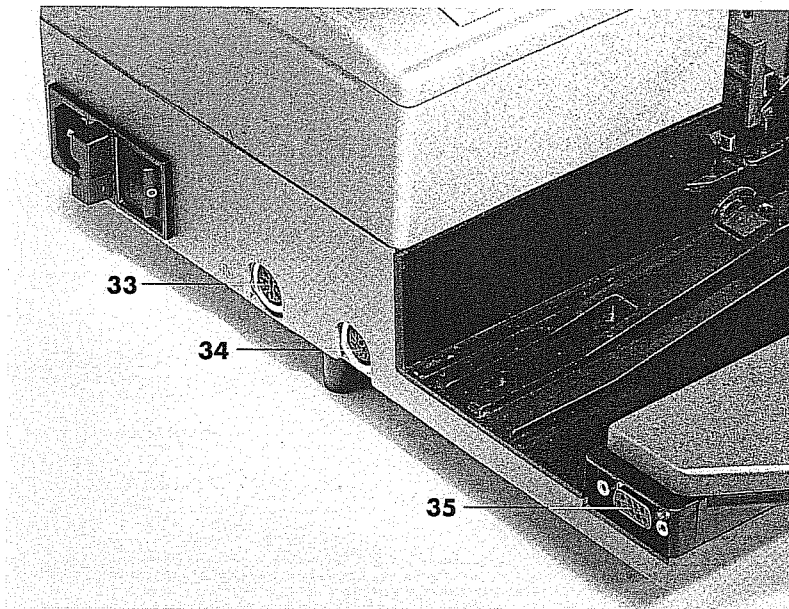
After the last slide, the projection lamp fades out, and the pause light comes on.

» Push slide magazine out of its track and remove it (see page 32).

» Leave projector switched on for a few additional minutes. This allows the fan to cool down the optical system and the projection lamp.

» Set master switch 32 to 0.





Automatic sound slide show

Sound-supported, automatic slide shows controlled by a sync-pulse generator and a tape recorder are made possible by the 8-terminal connector 33 RC.

The terminal RC may also be used to connect a cable control.

The external control unit and the projector are connected by cable; for contact assignment, see page 56.

Connecting an AV control unit

The 14-terminal connector 34 AV is provided for connecting a commercial control unit. In conjunction with a suitable multi-track tape deck audio-synchronous slide shows are thus possible.

For contact assignment of AV terminal, see page 57.

With the controller connected and on, the remote LED 27 signals readiness. The first slide can be fed by pressing the green advance button 15. Thereafter, the controller will take care of slide advance and lighting.

Independently of the controller, the magazine can be ejected for removal by pressing the autoreverse button 23.

Switching the projector off will disable the controller.

Note: Some controllers may not detect the connection. In this case, simultaneously press the AF button 22 and timer+ 26 to enable the controller, and AF off 22 and timer- 26 to disable it.

EXTERNALLY CONTROLLED PROJECTION

Serial interface

The 9-terminal serial interface 35 is provided for connecting serial control units.

The external control unit and the projector are connected by cable; for contact assignment, see page 57.

When using hook-in magazines, set the magazine length on the controller or the latter's software to the actual value minus 1. Example: Set 29 or 30 slide slots to synchronize the slide number with the magazine control.

The projector will access the first slot of the following magazine directly after the last slot of the preceding one. When changing magazines in the course of random access, be sure to remove the first unhooked magazine in due time. When jumping to another magazine, proceed as follows: Access the zero position of the current magazine, e. g. by operating the "0-position" switch of the control software or by holding the autoreverse button 23.

Remove the ejected magazine, holding down the autoreverse button 23, and attach the next magazine.

Start projection using the "Start show" command of the control software or releasing the autoreverse button.

Note: Holding down the autoreverse button will interrupt data transmission during an exchange of magazines.

With standard magazines, the magazine gap – slide 0 – will automatically be set after slide 30. From there, the next step is the following magazine. When changing over to the next magazine, try to avoid a rapid order of transport commands to make sure that slide 0 is detected by the electronic control. Otherwise, the magazine will be ejected in reverse in order to access slide No. 1 in the apparently next magazine.



CAUTION

To avoid damage to the projector and the AV controller, make sure that the units are definitely NOT connected to BOTH the AV terminal 34 and the serial interface 35 or the RC terminal 33 and the AV terminal 35!

General information

Use these terminals only to connect hardware suited for use with this projector.

For external control of projector, observe the operating instructions coming with the peripheral equipment.

The control unit and the equipment for adding sound have to be compatible in their recording and playback techniques (analog/digital).

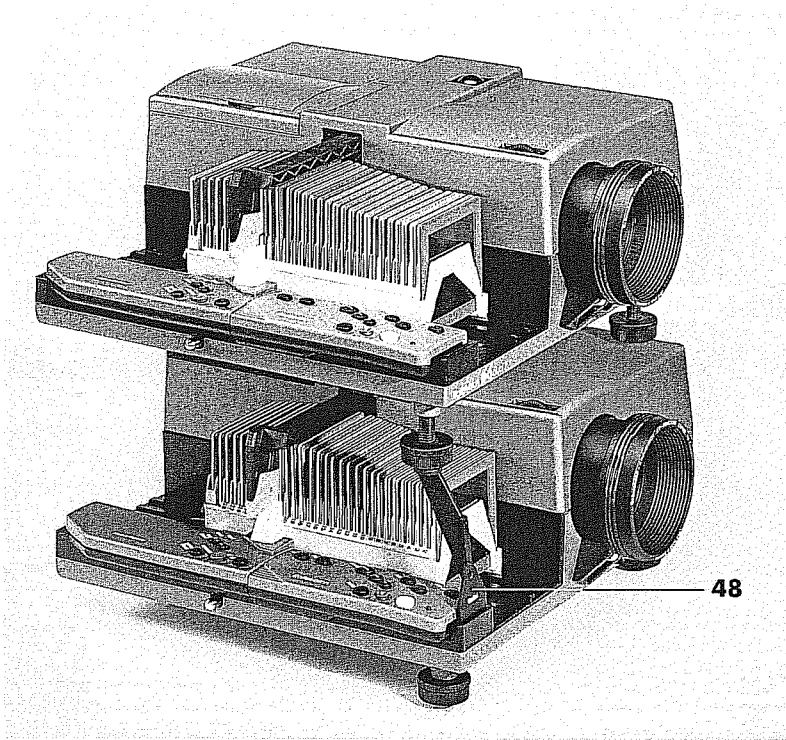
If the projector is used in conjunction with a controller that does not allow the maximum lamp voltage to be selected, the projection lamp may be overloaded, depending on the power supply. Excess voltage will reduce the service life of the lamp.

Suitable equipment for adding sound to a slide show: Gebuhr DIA-AV-Recorder with integral sync-pulse generator

or

multitrackers by Fostex, Tascam or Yamaha in conjunction with the Rollei RCP sync-pulse generator (Cat.-No. 62656).

EXTERNALLY CONTROLLED PROJECTION



Dissolve projection with two stacked projectors

» Insert the support 48 from the AV kit (Cat. No. 20 314) into the recess in front of the remote control of the bottom projector.

» Place rubber foot from AV kit below rear support of top projector.

CONVERTING TO 35MM FORMAT

»» Open projector as described on page 42.

»» Remove 35mm mask 42 and track hopper 43 from their compartment in projector.

»» Pull slide changer 2 fully out.

»» Hold 35mm mask by its grip 44 and insert it into slide stage as illustrated, pushing it as far as it will go.

»» Snap track hopper 43 in place on the magazine track.

»» Pull slide changer 2 out to the middle of the magazine track.

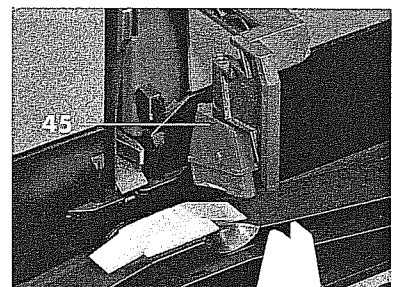
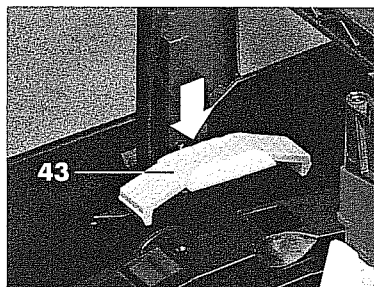
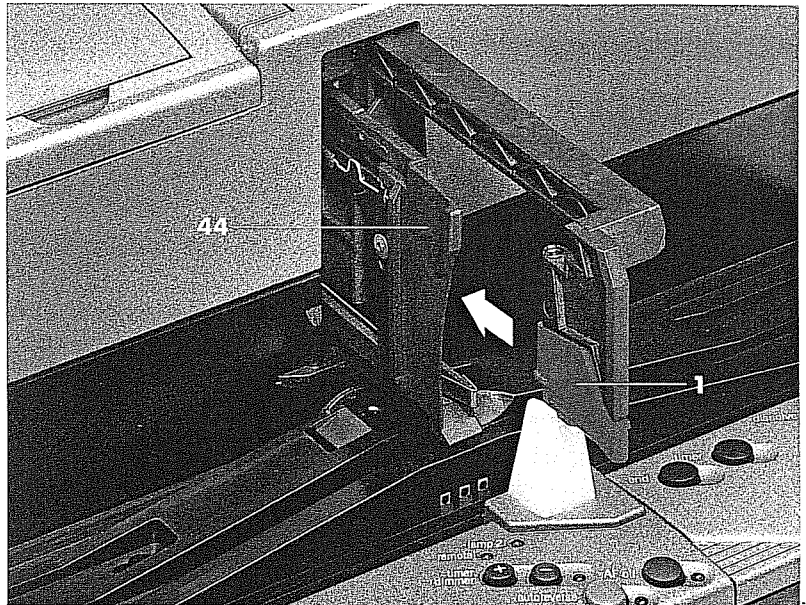
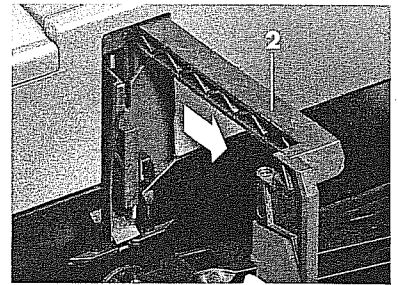
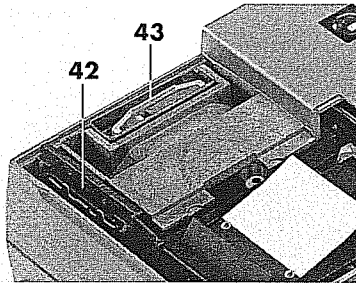
»» Pull red claw 1 down, turn it through 180° and let it snap back up into its 35mm position 45.

»» Close projector.

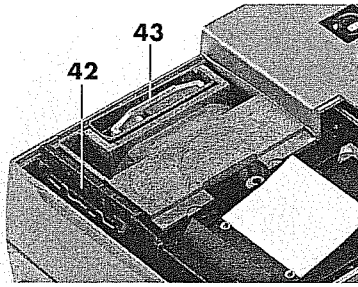
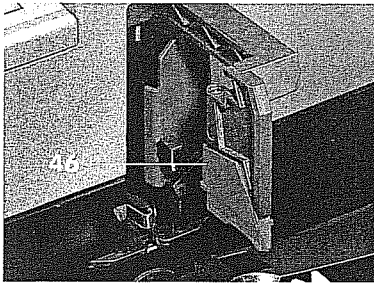
The interchangeable 35mm condenser (Cat. No. **38530**) is recommended for projecting 35mm slides. The rear condenser lens 36 is in this case exchanged for the 35mm condenser system (see also page 45).



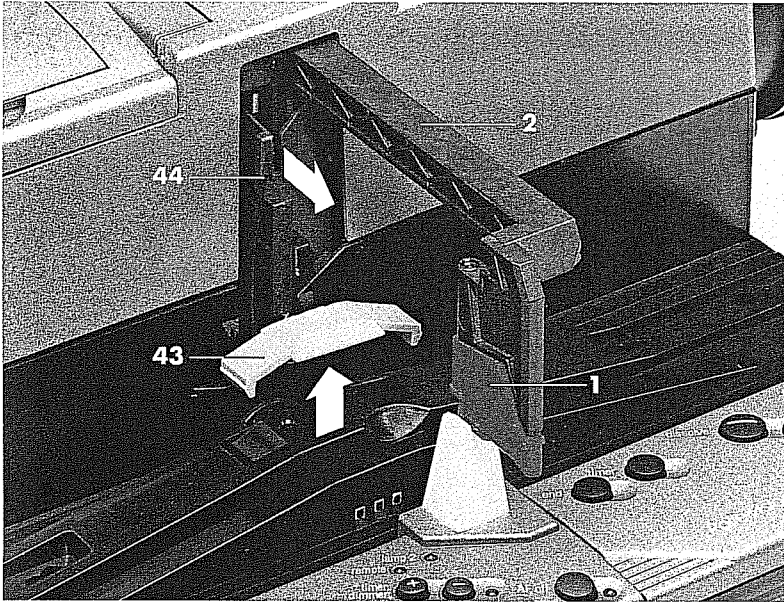
The 35mm condenser results in much more narrowly bundled light and thus place a higher thermal load on your slides. It is therefore advisable to use only glass-mounted 35mm slides.



CONVERTING TO MEDIUM FORMAT



- »» Manually shift slide changer 2 to the middle of the track.
- »» Pull down red claw 1, turn it through 180° and let it snap back up into its medium-format position 46.
- »» Pull claw 2 out fully.



- »» Open projector as described on page 47.
- » Remove track hopper 43 from magazine track and place it in its holder in the projector compartment.
- »» Hold 35mm mask by its grip 44 and pull it out of the slide stage.
- »» Replace 35mm mask 42 in its compartment.
- »» Close projector.

OPENING AND CLOSING THE PROJECTOR

Opening the projector

- » Remove magazine.
- » Do not switch projector off yet, but keep fan running to cool the projector down.
- » Set master switch to 0.
- » Unplug power cable.



CAUTION RISK OF BURNS!

Metallic parts inside the projector and the entire optical system, above all, are extremely hot after projection!

Open the projector only after it has cooled down completely. Even then, do not touch lamps or lenses with your bare fingers.

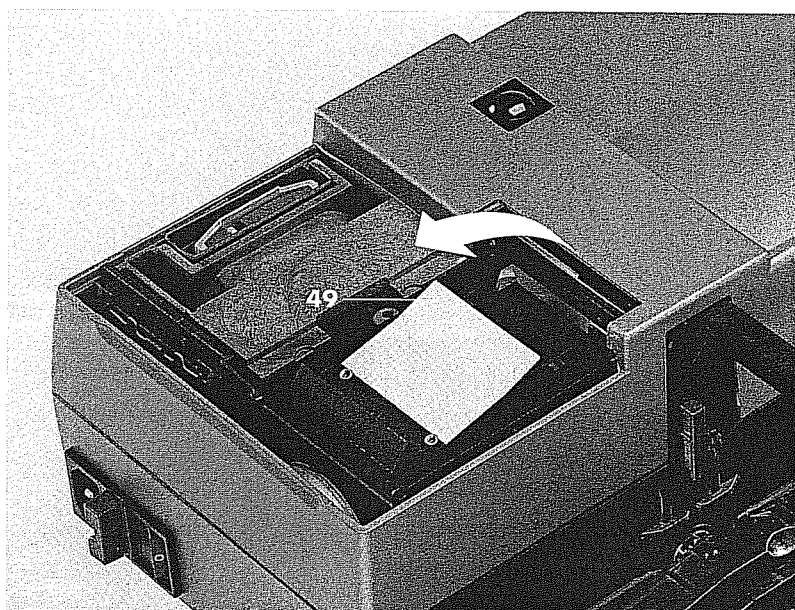
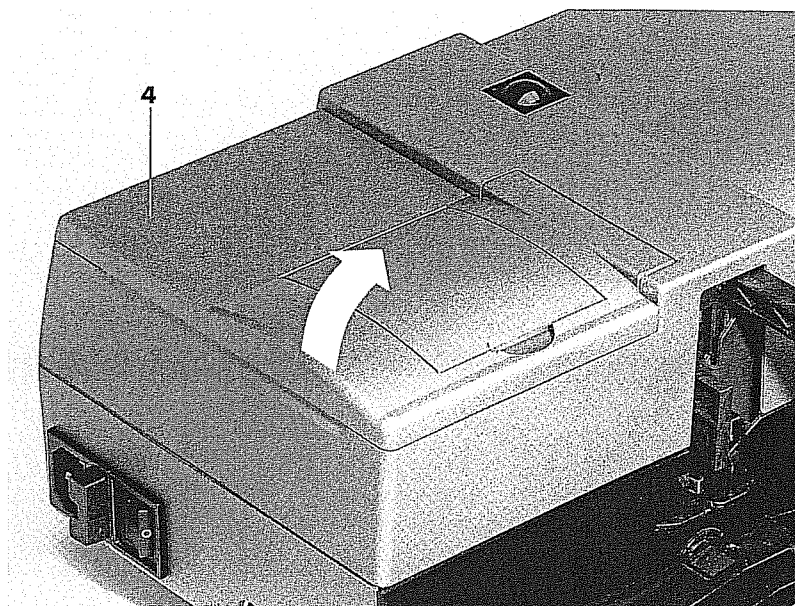
Let the projector cool down completely before attempting any cleaning of the optical system.

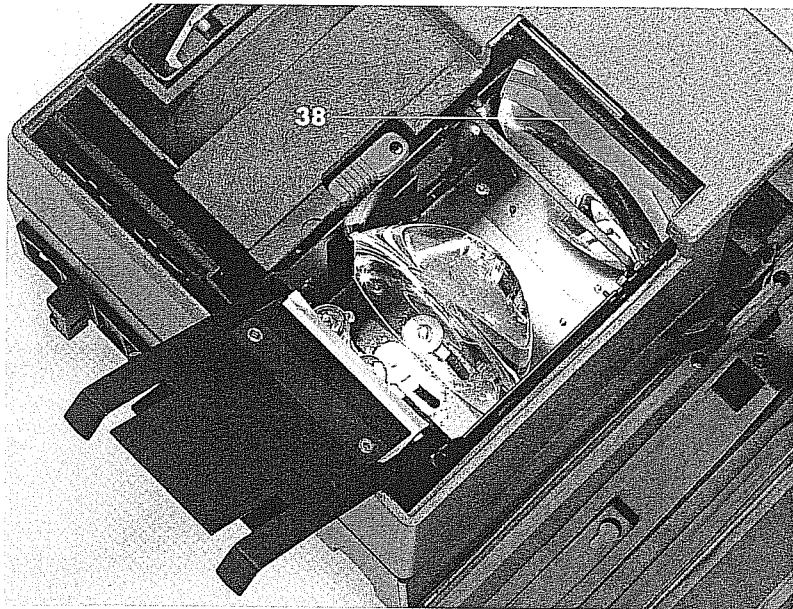
- » Lift projector cover 4 out of its rear catch and remove.
- » Open condenser cover 49.

Closing the projector

- » Close condenser cover 49 and replace projector cover 4.

Only then should operation be resumed.





Mounting the optical system

To avoid breakage, the different optical components are packed separately and should be mounted before using the projector.

»» Open the projector as described on page 42.



CAUTION

Fully insert the slide changer before mounting front condenser lens 38.

Never touch lamps, lenses or filters with your bare fingers, but always with a cotton glove or a soft, clean cloth.

Fingerprints on optical components will burn in unless wiped off immediately!

»» Unpack the optical components supplied.

Keep the packing materials for later use or an exchange of condenser lenses.

»» Fit lamp as described on page 47.

OPTICAL SYSTEM

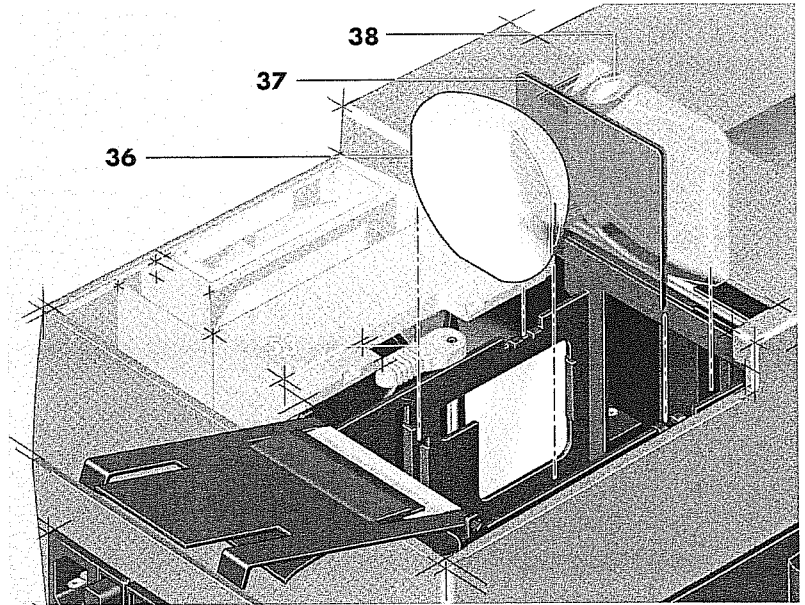
» Set return lever 53 to normal position.

» Insert front and rear condenser lenses 38 and 36 into their guides as illustrated. The front condenser lens should be in contact with the slide-stage cover.

When positioning the condenser lenses, make sure that their lateral grooves are vertical.

» Close projector.

Before shipping the projector, be sure to remove its optical components and pack them separately.

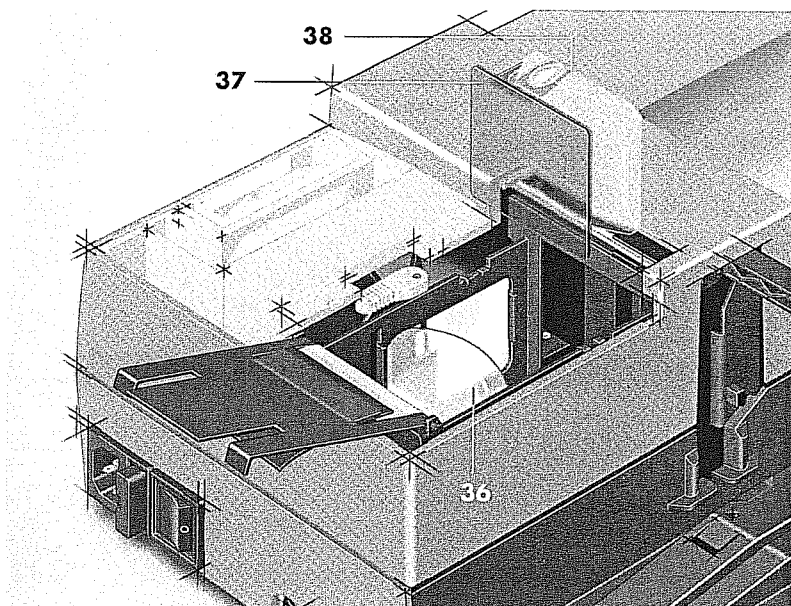


Changing condenser lenses

If your projection lens has a focal length of 250mm or longer, exchange the front condenser lens 38 for the one supplied with your lens.



The 35mm condenser results in much more narrowly bundled light and thus places a higher thermal load on your slides. It is therefore advisable to use only glass-mounted 35mm slides.



» To open the projector, see page 42.



CAUTION RISK OF BURNS!

Change condenser lenses only after the projector has cooled down completely!

Never touch lenses with your bare fingers, but only with a cotton glove or a soft, clean cloth. Fingerprints on optical components will burn in unless wiped off immediately!

» Pull heat filter 37 out of its guide.

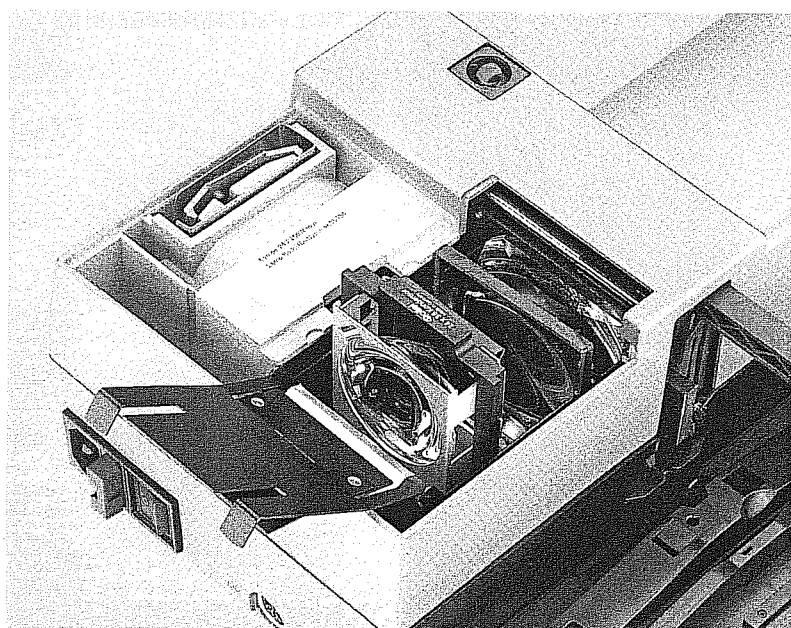
With lenses of 250mm focal length and longer:

» Insert the slide changer fully before changing the front condenser lens.

» Carefully lift front condenser lens 38 out of its guide and pack it safely.

» Insert additional condenser lens in front.

» Replace heat filter 37.



When using the 35mm condenser system:

» Carefully slide condenser lens 36 out of its guide and pack it safely.

» Insert 35mm condenser system as shown, leaving the heat filter in its place.

» Close projector.

CHANGING THE LAMP

Spare lamp

If the lamp fails, the Rolleivision 66 Dual P automatically switches over to its spare lamp.

The red LED 28 lamp2 signals that lamp 1 has failed during projection.

» Change defective lamp as soon as possible after letting the projector cool down completely.

Removing the defective lamp

» Open projector as described on page 42.



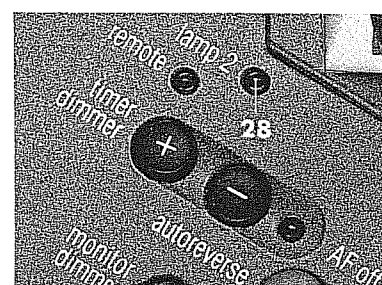
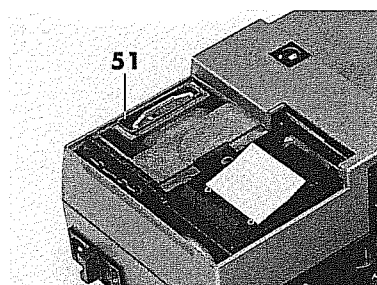
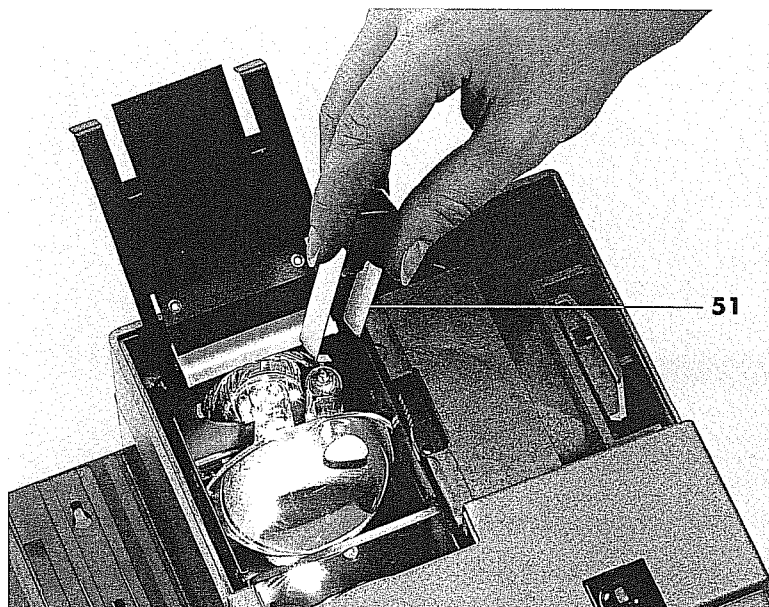
CAUTION RISK OF BURNS!

The lamps and their surroundings are extremely hot after projection!

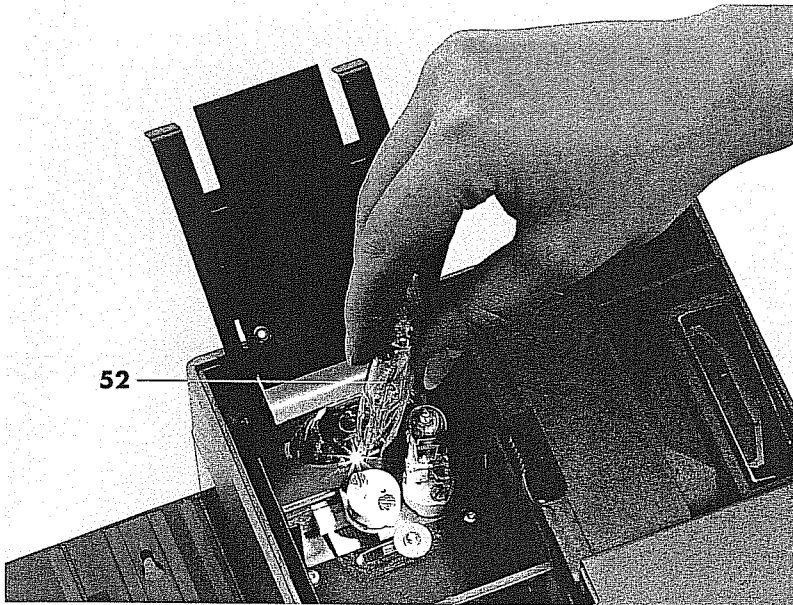
Do not touch lamp and surroundings with your bare fingers!

Use lamp extractor 51 to remove defective lamp!

» Hook lamp extractor 51 into lamp base and pull defective lamp out vertically.



CHANGING THE LAMP



Fitting new lamp

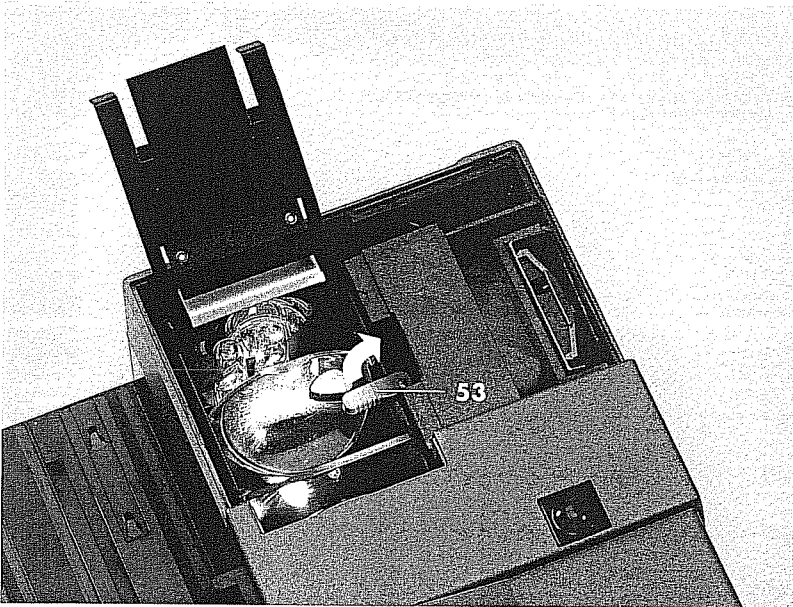
Use only 24V, 250W halogen lamps (Cat. No. 85 034).

TIPS AND HINTS

Do not touch the lamp bulb with your bare fingers!

Fingerprints on the bulb will burn in during projection and cannot be removed any more. The result is disturbing shadows in the image.

If necessary, clean the lamp bulb with a soft cloth before installing it. Alcohol may be used for the purpose.



» Push new lamp 52 with its sleeve into the socket as far as it will go.

» Only then remove the protective sleeve.

» After changing the spare lamp, turn rest lever 53 through 90° to the right to its normal position where it snaps into place.

» Align the lamp as described on page 48.

ALIGNING THE LAMP

Checking the image of the lamp filament

For optimum illumination and maximum depth of focus, the lamp filament and its mirror image must form a square.

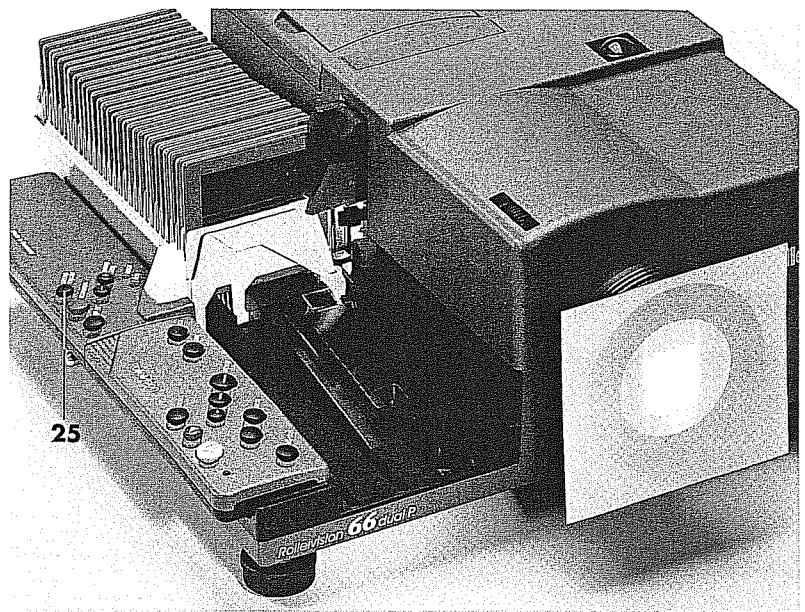
- »» Open projector as described on page 42.
- »» Switch projector on.
- »» Pull slide changer out fully.
- »» Place pinhole slide supplied in front of the slide changer's claw and push the changer with the slide in until it stops.

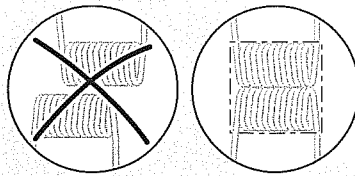
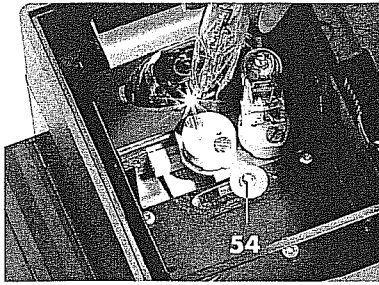
- »» Press button 25 monitor/dimmer.

The shutter opens, and the projection lamp fades in.

- »» Hold a sheet of paper against the front edge of the lens. The filament image can be clearly seen.

If necessary, reduce lamp brilliance.





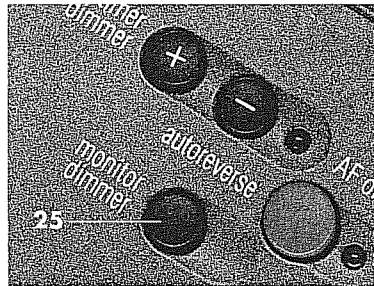
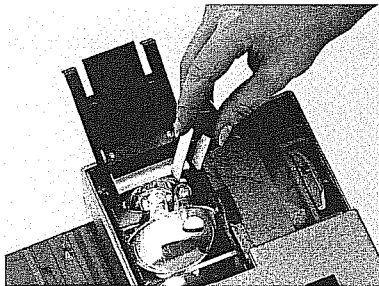
Correcting lens alignment



CAUTION
RISK OF BURNS!

The lamps and their surroundings get extremely hot during projection!

For safety reasons, the lamp should be replaced only after the projector has been switched off and allowed to cool down completely.



» Press button 25 monitor/dimmer once more.

The projection lamp fades out.

» Turn screw 54 until the filament has been properly aligned vertically.

» Use the lamp extractor to shift the lamp laterally in its socket for proper lateral alignment.

» Once more press button 25 monitor/dimmer and check the filament image.

If necessary, repeat the process.

» Pull out slide changer fully, remove pinhole slide and push changer fully in again.

» Close projector.

LENS

Mounting the lens

- » Place the lens barrel on the rollers of support 39 and carefully insert it into its guides.
- » Remove lens cover 40 only after mounting the lens to avoid smudging the front lens.



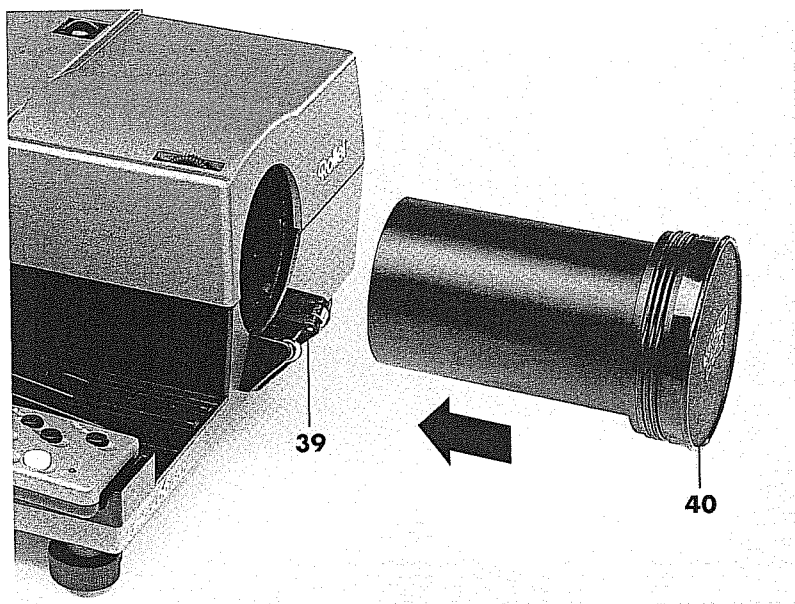
CAUTION

Never carry the projector with its lens facing down, or it may drop!

Removing the lens

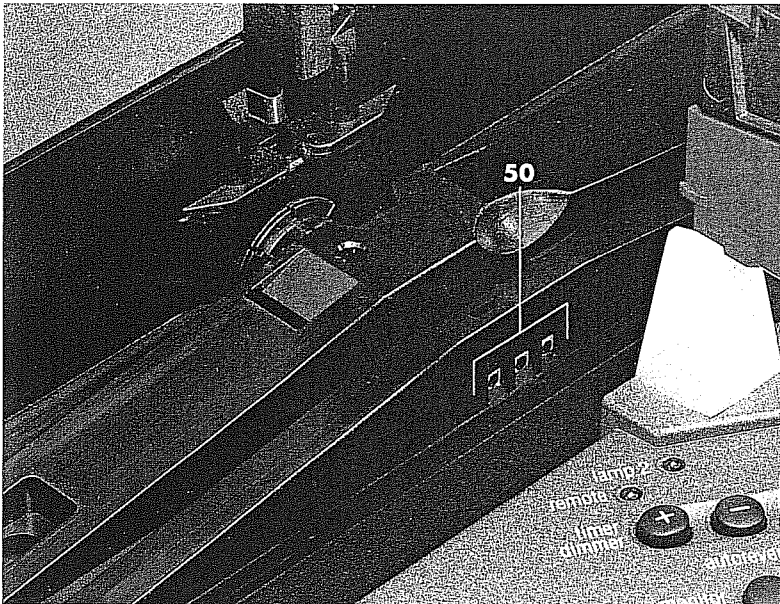
Before carrying or shipping the projector, always remove the lens.

- » Replace lens cap and carefully pull out the lens.



TIPS AND HINTS

All medium-format Rollei lenses may also be used to project 35mm or super slides.



Magazine track

» Remove dust at least once a year with a soft brush. Above all the area around the optical magazine sensor 50 should be cleaned very carefully on both sides.

Optical system

» Let the projector cool down before cleaning the optical system.

» Open projector as described on page 42.

» Dust off all glass components inside the projector with a long, soft brush.

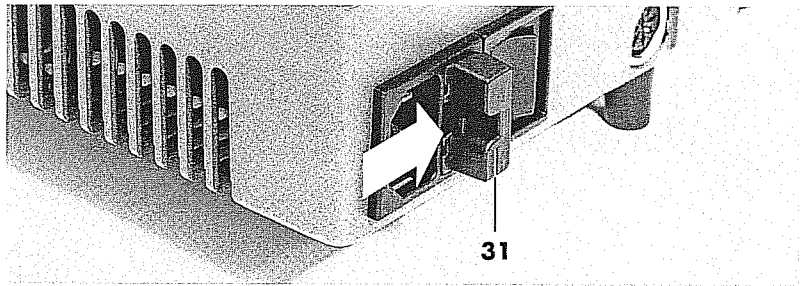
» Close projector.

» Remove lens and clean outer glass surfaces with lens tissue.

CHANGING THE FUSE

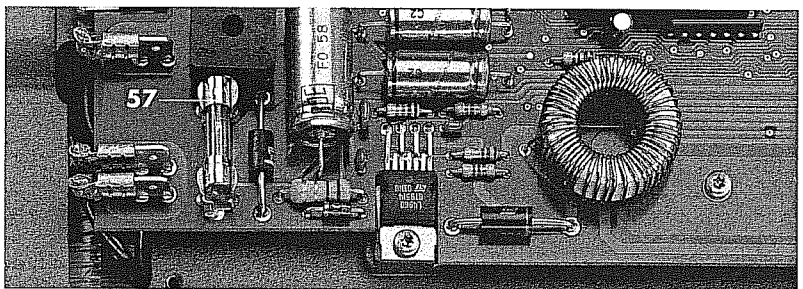
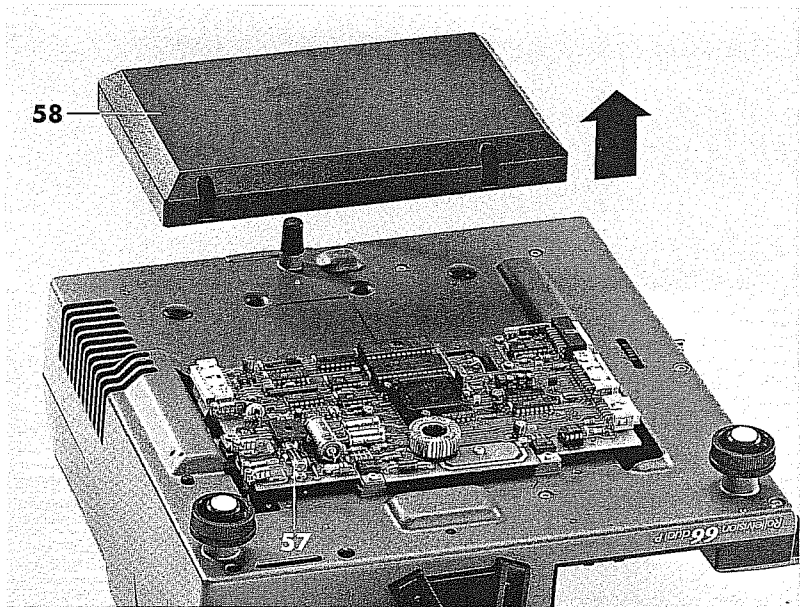
Primary fuse

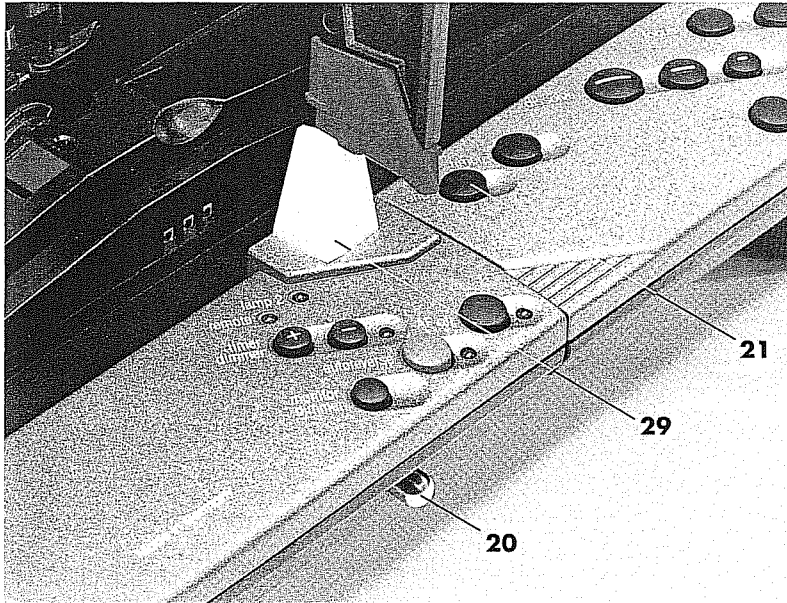
- » Release fuse plug 31 by pressing in the lock on its left-hand side, and remove.
- » Remove defective fuse and replace new one in metal clamp. (For type, see specifications.) The second compartment of the plug takes a spare fuse.
- » Replace fuse plug until it snaps into place.



Secondary fuse

- » Loosen four screws of bottom cover with a TX8mm screwdriver and remove black cover 58.
- » Remove defective fuse 57 and replace new fuse (for type, see specifications) in metal clamp.
- » Replace bottom cover and tighten screws.





In case of malfunctioning, the projector will automatically switch off the projection lamp, and the pause light will flash.

»» Do not switch the projector off!

»» Press button 21 and. The projector will try to correct the trouble on its own and eject the magazine. A slide remaining in the slide stage will be returned to the magazine.

If pause light 29 lights continuously, the malfunction has been corrected, and the projector is ready to resume operation.

Should the problem persist, proceed as follows:

»» Set master switch to 0.

»» Disconnect power cable.



CAUTION

Never use force that might damage the projector mechanism or the slides.

The following table may serve as a troubleshooting guide.

PROJECTOR MALFUNCTIONS

| Problem | Cause | Remedy |
|---|---|---|
| Projector does not respond after switching on. | Primary fuse in fuse plug or secondary fuse below bottom cover defective. | »» Replace fuse in fuse plug or below bottom cover (see page 52). |
| Slide changer jams in magazine or in slide stage. | Slide tilted, e.g. due to sharp-edged metal or glass mount. | »» Pull or push slide changer in whichever direction it will go and return jammed slide to magazine. »» Switch projector on and resume show. |
| Slide changer and slide free, but magazine jammed. | Transport mechanism jammed. | »» Press release button 20 and carefully push magazine out of its track. |
| Infrared sensor does not respond to remote control. | Out of range. Remote-control battery exhausted. | »» Reduce distance between projector and handset or use cable control. »» Replace battery (see page 24). If no battery is available, continue show with remote control in its bay on projector. |
| Projector does not fully or partly execute remote-control commands. | Light source directly above IR sensor. | »» Avoid extraneous light. |
| Transport gear keeps turning after magazine has been ejected. | Optical magazine sensor dirty. | »» Switch projector off and clean magazine sensor (see page 51). |
| Projection lamp shuts off. | Thermal switch activated by overheating. | »» Let projector cool down with fan running. »» Leave enough room in front of ventilation slots to let in air. »» Shield or remove sources of heat close to projector. |
| Projector does not respond to slide-changing command. | No magazine in place. | »» Push magazine forward until it stops. |

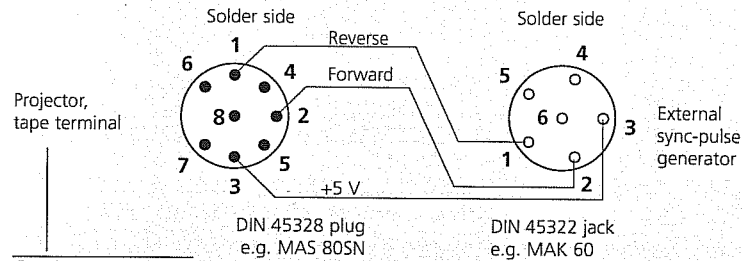
UNSATISFACTORY SCREEN IMAGE

| Problem | Cause | Remedy |
|---|---|---|
| Image blurred. | Autofocus switched off. | » Switch on autofocus or focus manually. |
| | Lens dirty or fogged. | » Clean lens, allow condensation to evaporate. » Always bring projector to projection room long before show to allow all components to adjust to room temperature. |
| | Slide inserted the wrong way. | » Insert slide with emulsion side facing the screen. |
| | Projection distance altered and/or lens changed without refocusing. | » Repeat basic focusing. » Check projection distance and correct, if necessary. |
| | Magazine contains mixture of glassless and glass-mounted slides. | » Use only one type of slide mounts in one magazine. |
| Image shows trapezoidal distortion. | Projector or screen too high, too low or not at right angles to each other | » Align screen so that it is vertical and parallel with front of projector; set lens at center-screen height. |
| Color fringes in light portions of image. | "Newton's rings" – Interference phenomena between film back and cover glass of slide mount. | » Use anti-Newton glass or glassless slide mounts. » Allow film to dry under pressure before mounting. |
| Uneven image brightness. | Lamp incorrectly fitted. | » Align lamp (see page 48). |

CONTACT ASSIGNMENT

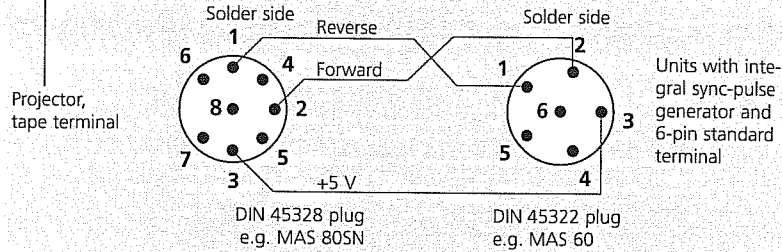
Adapter cable for 8-pin RC terminal

Cat. No. 83880

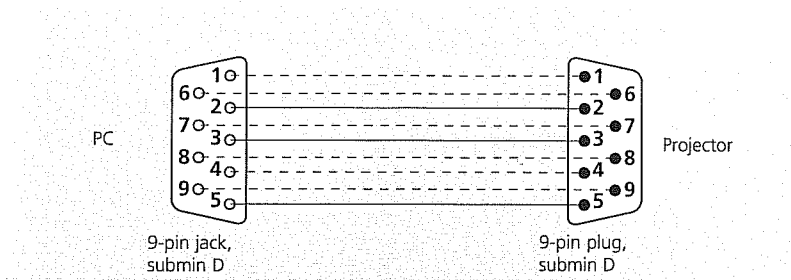


| Function | Connection |
|----------|---------------|
| Forward | PIN 2 – PIN 3 |
| Reverse | PIN 1 – PIN 3 |

Cat. No. 83881



CONTACT ASSIGNMENT



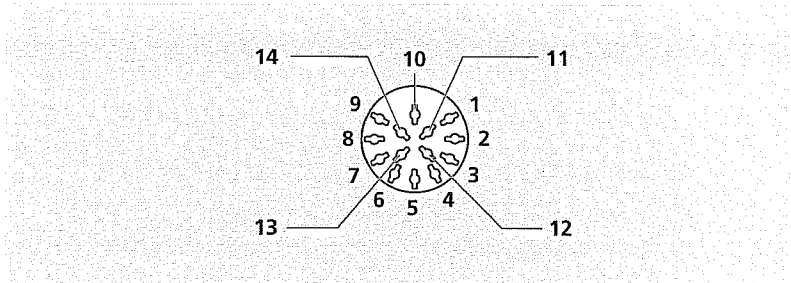
PC connecting cord for serial interface

Not available from Rollei.

Available from computer shops or HAMA.

HAMA Cat. No.: 1.8 m **42155**

3.0 m **42156**



14-pin AV terminal

- | | |
|-------------------------------------|--------------------|
| 1 Slide reverse | 7 Unassigned |
| 2 Slide forward | 8 A2 Triac |
| 3 + 24V DC | 9 Unassigned |
| 4 Gate Triac | 10 Ground |
| 5 Secondary output, phase | 11 Unassigned |
| 6 A1 Triac, common secondary output | 12 Shutter |
| | 13 - 14 Unassigned |

SPECIFICATIONS

Design

Compact slide projector for various slide formats, with two magazine types.

Flat compact housing with open magazine track.

Chassis made of die-cast aluminum.

Separate microprocessor-controlled drives for slide changer, magazine transport and focusing (Rollei MSC Multi-Sensor Control Technology).

Highly precise slide guide for perfect positioning of slides.

Optical slide sensing ("No slide – no light").

Slide magazines

Type 77 standard magazines for 30 7x7cm slides or type 55 standard magazines for 36 or 60 slides (DIN 108).

Particularly recommended: Rollei hook-in magazines CM 77/30 and CM 55/50 for uninterrupted projection.

Slide change

Pushbutton control forward and reverse, fast-action shutter for "CUT".

Three fade times of 2.5 and 5 seconds as well as "CUT" (0.1 second, shutter mode).

Automatic timer-controlled projection with three different screen times of 4, 8 and 12 seconds.

Autoreverse mode.

Automatic slide changing by external program control or sync-pulse generator for tape-deck control.

Focusing

Autofocus with override and manual focusing; autofocus can be switched off.

Displays

Easily visible LED display of operating modes.

Bright monitor screen for slide viewing.

Remote control

Multi-channel infrared remote control (slide change forward and reverse, magazine eject, autofocus override, memo function, fade cutoff); detachable handset in projector bay.

Used separately, the remote control runs on a 9V block-type battery.

Terminal for connection of cable control.

Lighting system

Two 24V/250W halogen lamps with G6.35-15 base in prefocus socket. Rollei Cat. No. **85034**.

Lamp-voltage stabilization.

Lamp filament height-adjustable.

Lamp output (brilliance) adjustable by five-step dimmer.

Automatic switchover to spare lamp.

Optical system

Concave mirror, heat filter, rear aspherical condenser lens, coated front spherical condenser lens.

Interchangeable condenser lenses for lenses of 250mm focal length and longer (supplied with lenses) and optimum illumination of 35mm slides (optional accessories).

Cooling

Quiet axial fan for positive heat dissipation; lateral ventilation slots.

Cooling also with lamp switched off; mechanical and thermal overload protectors.

Electrical safety

Safety class 1, radio and television-interference suppression, thermal cutout preventing overheating, isolating transformer.

Power supply

230V AC, 50 to 60 Hz.

Power draw: 1.5A

Primary microfuse: T2L/250V, slow-blow.

Secondary microfuse: T2L/250V, slow-blow.

Power consumption: 310 W at 230 V

2.5 m power cable with plug and grounding contact.

Terminals

8-pin terminal for cable control, external equipment (via adapter cord) and tape-deck control via sync-pulse generator.

14-pin AV terminal for dissolve-control units.

V-24 PC interface for controlling all projector functions and for connection to or integration into advanced and future multi-media environments.

Weight: 8.1 kg

THE ROLLEIVISION 66 SYSTEM

Lenses

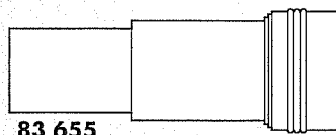
- 14 318 AV-Apogon 90mm f/2.8 HFT, Rollei
- 83 528 AV-Xenotar 90mm f/3.5 HFT, Schneider Kreuznach
- 83 657 S-Heidosmat 150mm f/3.5 MC, Rollei
- 83 512 AV-Xenotar 150mm f/2.8 HFT, Schneider Kreuznach
- 79 468 Heidosmat 180mm f/3.5, Rollei
- 83 653 AV-Xenotar 250mm f/4 HFT, Schneider Kreuznach (with additional condenser lens)
- 83 655 AV-Xenotar 400mm f/4 HFT, Schneider Kreuznach (with additional condenser lens)
- 14 325 AV-Apogon 120mm f/2.8 HFT, Rollei

Cable remote control and cords

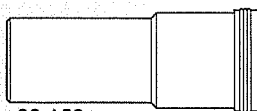
- 83 342 Power cable with Euro plug (CEE 4.8mm)**
- 66 960 * Cable remote control for Rolleivision MSC 300/66 Dual P
- 85 089 * Extension cord for remote control, 10m

Lamps

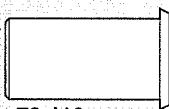
- 85 034 Halogen lamp 24 V/250 W **
- 85 060 Lamp extractor**



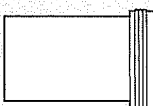
83 655



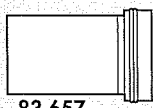
83 653



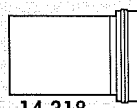
79 468



83 512



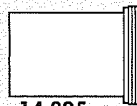
83 657



14 318



83 528



14 325



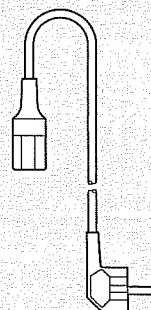
38 530 Exchange condenser for 35mm



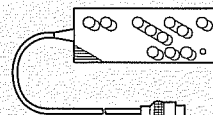
85 034



85 060



83 342

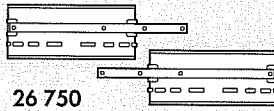


66 960

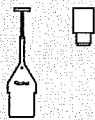
* not shown

** standard equipment

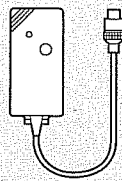
THE ROLLEIVISION 66 SYSTEM



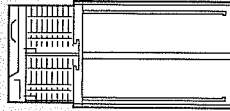
26 750



20 314



62 656



39 331
84 059
84 058



63 401

Magazines and accessories

- 39 331 Stackable plastic box with two type 77 magazines (three-pack)
- 84 059 Stackable plastic box with two Rollei CM 77/30 hook-in magazines (three-pack)
- 84 058 Stackable plastic box without type 77 magazines (three-pack)
- 26 750 Set of track extensions
- 63 401 Rollei CM 55/50 hook-in magazine

Miscellaneous

- 20 314 AV kit for stacking two type 66 Dual P projectors for dissolve projection
- 10 782 * Carrying case for 66 Dual P
- 59 551 * Rollei 6x6 magnifier
- 38 530 * 35mm condenser system
- 62 656 Rollei RCP Slide Synchronizer
- 64 935 * Adapter card for RSP, 8/6 pin