

500

KODAK 500 PROJECTORS



FEATURES

New Design and Styling—
Easy to Carry

Complete in self-
carrying case with carrying
handle on projector

Positive-action
finger-tip knob controls for
focus and elevation

All metal body
with die-cast
end panels

Weight about 10¾ lbs.

Size 11 x 11 x 5 inches

Take up to 36 Ready-Mounts

Accept 35mm (24 x 36mm),
828 (28 x 40mm) and
1½ x 1½-inch transparencies
in 2 x 2-inch mounts

Slides automatically
changed by hand-
actuated plunger

Kodak 500 Projector, Model A, with Readymatic, Universal or
Automatic Changer: use on 105- to 125-volt, 60-cycle, ac.

T. M. REG. U. S. PAT. OFF.

KODAK
500
PROJECTORS



**with Kodak
Readymatic
Changer, Kodak
Universal Changer
or Automatic
Changer**

New Bigger and
Brighter Pictures

Low height, high efficiency
500-watt projection lamp

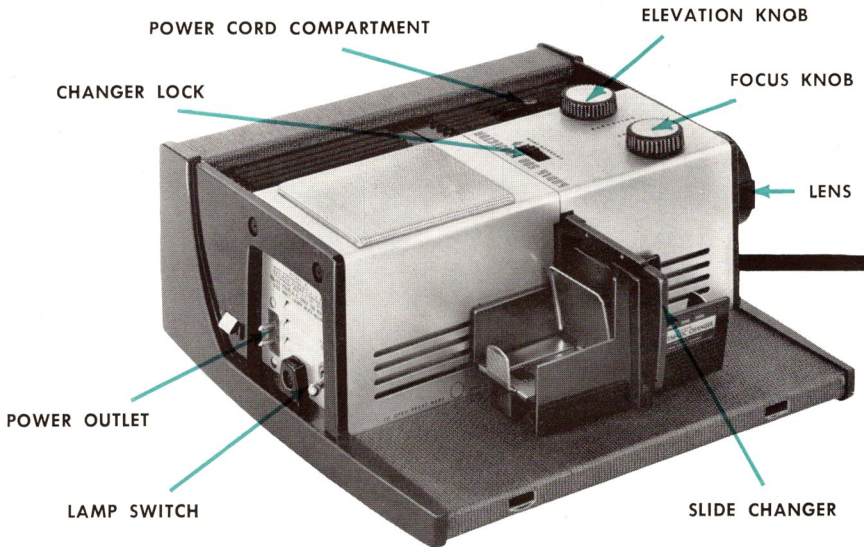
Close coupled condenser system
concentrates maximum light to slide

Condenser optics include
separate heat absorbing glass

Easy accessibility for cleaning
optics and changing lamp

Turbine type blower moves
cooling air around slide,
condenser and lamp

Know your projector



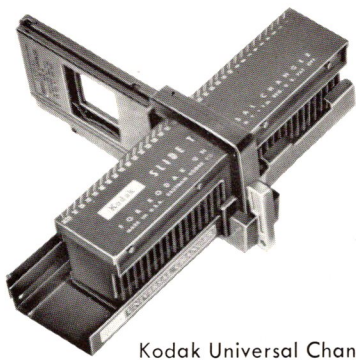
Kodak 500 Projector with Readymatic Changer



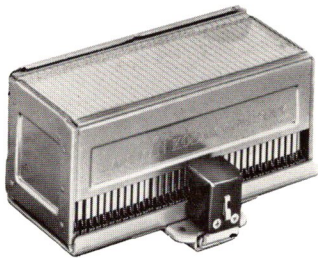
Setting up the Projector

Cover—Place the projector on a table with the carrying handle away from you. Depress the two cover retaining SPRINGS and swing the cover toward you sufficiently to remove it from the projector.

Power Cord—Unlock the power cord compartment door by turning the KNOB; open the door and lift out the POWER CORD. Remove the tie from the cord. Plug the socket end of the cord into the power outlet in the side of the projector, and the other end of the



Kodak Universal Changer



Automatic Changer

- The Kodak 500 Projector may be operated with any one of the following changers: the Kodak Readymatic Changer, the Kodak Universal Changer or the Automatic Changer with P-107 Adapter. To remove a changer from the projector, rotate the CHANGER LOCK toward you until the changer can be withdrawn.

The Kodak 500 Projectors are built into their own carrying case. The slide changers accommodate up to 36 transparencies in 2 x 2-inch cardboard mounts. Regular glass slides can only be used with the Kodak Universal Changer.

cord into an electrical outlet which provides the correct voltage for your projector, see page 2. If the voltage of your electric supply is not known, ask your electric service company.

The fan motor will start when the power cord has been connected.

Screen and Seats—As slides may be either horizontal or vertical, a square screen is most convenient. It should be large enough for easy viewing by everyone present. It should be at the same level or higher than the projector.

For best results, the rear row of seats should not be farther from the screen than six times the longer dimension of the projected picture. Seats should be placed as close as possible to both sides of the beam thrown by the projector. The picture appears most brilliant and lifelike if you are seated near the projector beam.

Screen Size—Projection Distance Data

Screen Sizes	Distance in feet from Projector Lens to Screen					
	35mm			828 and 1 1/2" Sq.		
	4-in. Lens	5-in. Lens	7-in. Lens	4-in. Lens	5-in. Lens	7-in. Lens
30" x 40"	10'	13'	18'	9'	12'	16'
40" x 40"	10	13	18	9	12	16
50" x 50"	13	15	22	12	14	20
60" x 60"	15	19	27	14	17	24
70" x 70"	18	23	31	16	20	28
84" x 84"	21	26	37	19	24	33
10' x 10'	31	34	53	28	30	47

OPERATION OF PROJECTOR WITH Readymatic Changer

1. Pull back the SUPPLY RETAINER and place the transparencies (upside down and bordered side toward the screen) in the supply magazine.

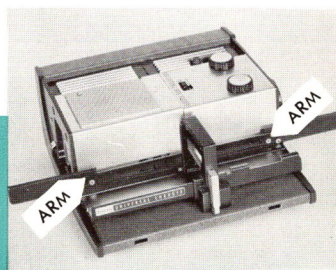
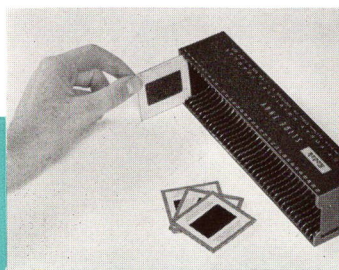
2. Turn on the projection lamp by pushing the LAMP SWITCH upward.

3. Pull the changer HANDLE out as far as it will go; then push the handle in as far as it will go to bring a slide into

position. To view the slide, pull the handle out as far as it will go. When the changer handle is all the way in, the screen will be dark.

Note: If the changer handle is not pulled all the way out or pushed all the way in during projection, the slide changer will not operate correctly.

4. Elevate the projector, to center the

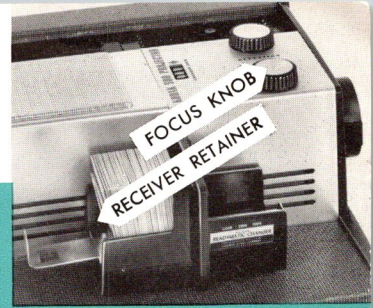
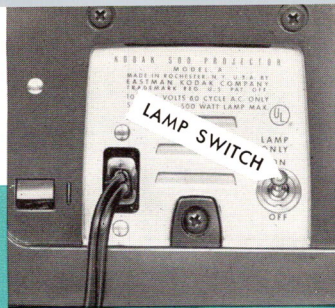
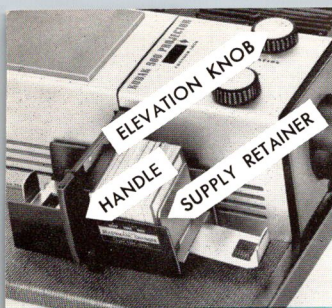


OPERATION OF PROJECTOR WITH Universal Changer

1. Place the slide tray on a flat surface with the numbered side up. Insert a slide in each slot with the bordered side of the slide toward the No. 1 slot end, and the bottom of the picture toward the numbered side of the tray.

2. Press down on the top edge of the retaining ARMS near the center of the changer, and slide them outward as far as they will go; then push downward on the arms to lock them in position.

3. Pull the changer HANDLE all the way out. Slide the loaded tray onto the



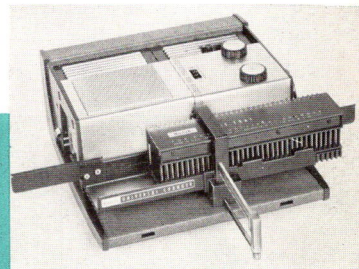
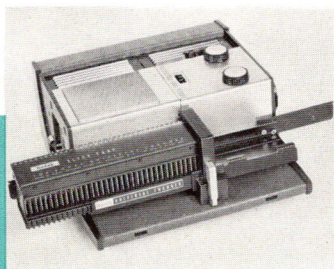
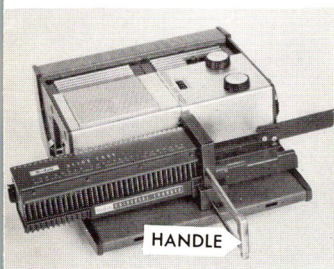
projected image on the screen, by turning the ELEVATION KNOB.

5. Focus the projection lens by turning the FOCUS KNOB back and forth slowly.

6. To project the next slide, push the changer handle in as far as it will go and then pull the handle out as far as

it will go. This projects the next slide and at the same time transports the previous slide into the receiving magazine.

7. When all the slides have been viewed and are in the receiving magazine, push in the changer handle to darken the screen; then pull back the RECEIVER RETAINER and lift out the slides.



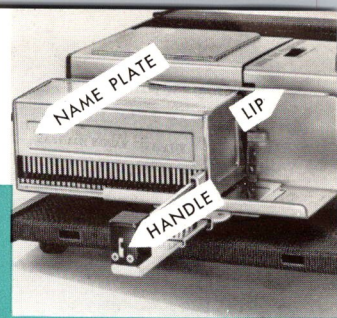
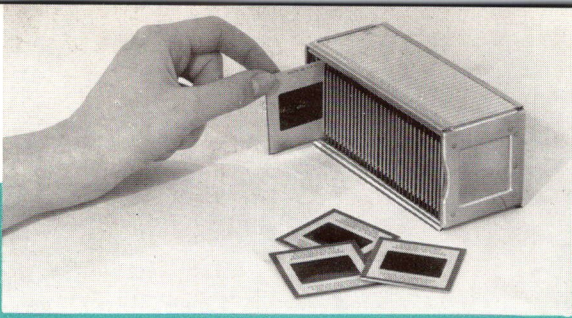
changer with the numbered side up and the open side toward the projector. Push the tray forward until the No. 1 is inside the frame.

4. Push the operating handle in as far as it will go. This moves the first slide into position for viewing.

5. Show the remaining slides by mov-

ing the changer handle in and out. When the handle is all the way out, the screen is dark and you can manually slide the tray forward or back to skip or repeat any number of slides.

6. When all the slides have been viewed, pull the handle out as far as it will go and carefully slide the tray forward and off the changer.



OPERATION OF PROJECTOR WITH **Automatic Changer**

Loading Slide Magazine Without removing the metal frames from the magazine, insert a slide in each frame with the bottom of the picture toward the index card and the bordered side of the slide away from you. Push each slide all the way in until it is caught behind the lip of the frame edge. The frames will accommodate a standard 2" x 2" cardboard slide.

Enter your slide data on the index card as you load the magazine or as

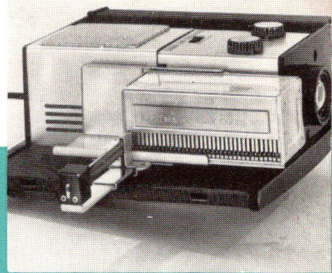
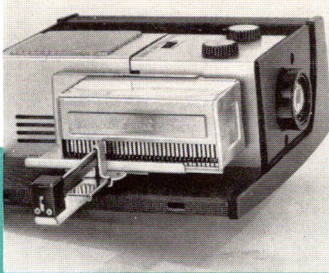
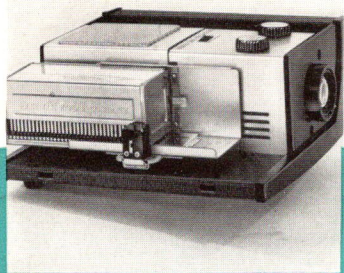
you project each slide for the first time.

Projecting the Transparencies

1. Pull the operating **HANDLE** all the way out. Slide the magazine onto the changer with the index card facing up and the **NAME PLATE** to the right. Be sure the magazine slides under the **LIP** of the changer. Continue to slide the magazine forward or backward until the No. 1 on the card is opposite the notch in the center of the top edge.

After the show

1. Turn off the lamp and allow the fan to run until the projector has cooled sufficiently.
2. Unplug the power cord from the electrical outlet and from the projector, and replace it in the power cord compartment.
3. Lower the projector, if it has been raised, by turning the elevation knob counterclockwise.
4. Turn the focus knob counterclockwise to retract the lens.
5. Push the slide changer handle all the way in.
6. Engage the cover hinges in the slots in the projector base and rotate the cover forward until the cover retaining springs snap into the slots in the cover.



2. Push the operating handle in as far as it will go. This moves the first slide into position for viewing.

3. Turn on the projection lamp by pushing the LAMP SWITCH upward.

4. Elevate the projector, to center the projected image on the screen, by turning the ELEVATION KNOB.

5. Focus the projection LENS by turning the FOCUS KNOB back and forth slowly.

6. Show the remaining slides by moving the operating handle in and out. When the handle is *all the way out*, you can manually slide the magazine forward or back to skip or repeat any number of slides.

7. When the last slide in the magazine has been shown, the operating handle cannot be moved again. Slide the magazine forward and off the changer. Insert another magazine in the changer.

Tips for more effective shows

Before your audience arrives, the equipment should be set up and checked. It's a good idea to always have a spare projection lamp on hand. Easy control of room lights should be arranged.

Group your slides carefully in a natural story sequence or by type of subject. It's easy to keep your slides in groups, because as you project them, the slide changer keeps them in proper sequence and orientation. The Kodaslide 400 File Box provides an easy way to keep your slides in groups and by marking the stack of slides with a

diagonal pencil line you'll have a tell-tale break in the line if the slides get out of sequence. Orient the slides correctly before marking them.

Also to facilitate proper insertion of the slides in the projector, a label or thumb spot may be placed on the lower left-hand corner of each slide when it is held as the picture should be viewed. With Kodaslide transparencies, the thumb spot normally is on the plain side of the Ready-Mount. For projection, the thumb spot must be at the top right of the supply channel with the bordered side facing the screen.

Care of the projector

WARNING: *Always make sure that the power cord is disconnected and that the projector has cooled sufficiently after use, before attempting to disassemble the projector for cleaning or lamp replacement. Cooling of the projection lamp can be accelerated by running the blower with the lamp turned off.*

Lamp Replacement—Rotate the **CHANGER LOCK** toward you until the slide changer can be withdrawn from the front of the projector.

Press lightly against the circle on the optical system **COVER** and at the same time lift up on the cover until the front is free of the projector base. Remove the cover by rotating it upward until the lugs on the back of the cover can be removed from the slots in the fan compartment. Remove the projection lamp by pushing the lamp **RELEASE LEVER** to the left as far as it will go. Then lift out the lamp. Replace the lamp by inserting it into the lamp socket with the lugs on the lamp base fitted in the slots in the socket; then push the lamp release lever to the right as far as it will go to lock the lamp in position. The replacement lamp should be a 500-watt, T-12 bulb, C-13D filament lamp of standard voltage, focus-**lok** base, ASA code-DBJ.

Engage the lugs on the back of the cover with the slots in the fan compartment. The cover must be held at about a 45-degree angle when the lugs are inserted. Rotate the cover forward and push in on the circle until the lugs

on the side of the cover engage the slots in the projector base.

Cleaning—The optical system of your projector must be kept clean in order to continue to give the best results. Dust or fingerprints on the lenses will reduce the brightness of the picture on the screen and will cause it to appear cloudy or flat.

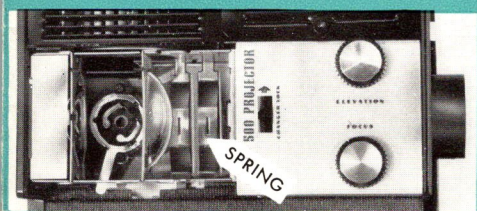
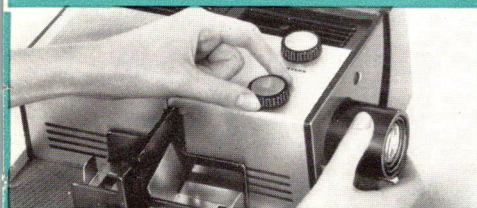
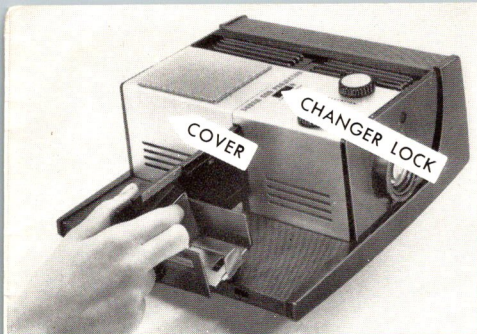
Projection Lens—Turn the focus knob until the lens is out as far as it will go. Carefully pull the focus knob toward you sufficiently to withdraw the projection lens. With a soft, clean, lintless cloth or Kodak Lens Cleaning Paper, wipe the front and back surfaces of the lens. Replace the lens by again pulling the focus knob toward the slide changer, guiding the lens back into position. The lens should be far enough into its recess so that the gear teeth on the side of the lens barrel are engaged by the gear on the focus knob shaft.

Optics—Remove the projection lamp as described above.

Press down slightly on the **HEAT ABSORBING GLASS FRAME** and twist the frame slightly until the tabs on the frame are out of the slots in the optics housing. Carefully lift out the heat absorbing glass.

Press down slightly on the front condenser **LENS FRAME** and push the frame toward the back of the projector until the tabs on the frame are out of the slot in the optics housing. Carefully lift out the front condenser lens.

Carefully clean both sides of the condenser lenses, the heat absorbing glass and the polished surface of the



reflector with a clean, soft, lintless cloth or Kodak Lens Cleaning Paper. Be careful not to leave fingerprints on the elements.

Replace the front condenser lens, convex side forward. Be sure the tab on the bottom of the lens frame fits into the slot in the retaining SPRING at the bottom of the optics housing. The lens will fit in only one way. Replace the heat absorbing glass, the projection lamp and the optics cover.

Storage

Storing Kodaslide Transparencies—It is important to store your slides properly. Keep them cool and dry. Avoid keeping them in places where they will be subjected to heat or moisture.

Auxiliary Equipment for Projector with Readymatic Changer

Kodaslide 400 File Box—Contains 16 Kodaslide Boxes with a capacity of 400 Kodak Ready-Mounts or 176 2x2-inch glass slides.

Kodaslide Compartment File—Has 12 compartments, each holding 20 ready-mounts or 8 glass slides. Slides can be organized by occasions; then that compartment can be swung out, for easy access to those slides.

Kodaslide Ready-File—Holds about 200 cardboard or 72 glass-mounted slides. Has slide separators and index.

Automatic Changer—An Airequipt Automatic Changer with P-107 Adapter can be used on the projector. The slide magazine holds 36 slides. Magazines are available from your photo dealer.

Viewing Stereo Slides—Many photo dealers have available an adapter so that you can show one-half of a Stereo pair.

Lenses—Two additional lenses are available for use on the Kodak 500 Projectors—Kodak 5-inch, $f/2.8$ Projection Ektanar Lens and Kodak 7-inch, $f/3.5$ Projection Ektanon Lens.

Auxiliary equipment for Projector with Universal Changer or Automatic Changer

Kodak Readymatic Changer—If you wish to show your slides in groups (not in magazines or slide trays) the Kodak Readymatic Changer can be used on your projector. The changer accepts up to 36 slides in 2 x 2 cardboard mounts—35mm, 828, and 1½ x 1½-inch.

Slides are automatically changed by actuating the plunger.

Lenses—Two additional lenses are available for use on the Kodak 500 Projectors—Kodak 5-inch, f/2.8 Projection Ektanar Lens and Kodak 7-inch, f/3.5 Projection Ektanon Lens.

GUARANTEE

Within a year after purchase, any repairs necessary to this Kodak 500 Projector due to a defect in materials or workmanship will be made or, at our option, the projector will be replaced without charge. No other warranty or guarantee, express or implied, shall be applicable to this equipment. Nor are we responsible for loss of film, for other expenses or inconveniences, or for any consequential damages occasioned

by the equipment.

In case of unsatisfactory operation, the projector should be sent directly or through a Kodak dealer to Eastman Kodak Company or a repair firm authorized by us to make such repairs. It should be accompanied by a description of the trouble encountered and other available information regarding the projector, including the date and place of purchase.

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