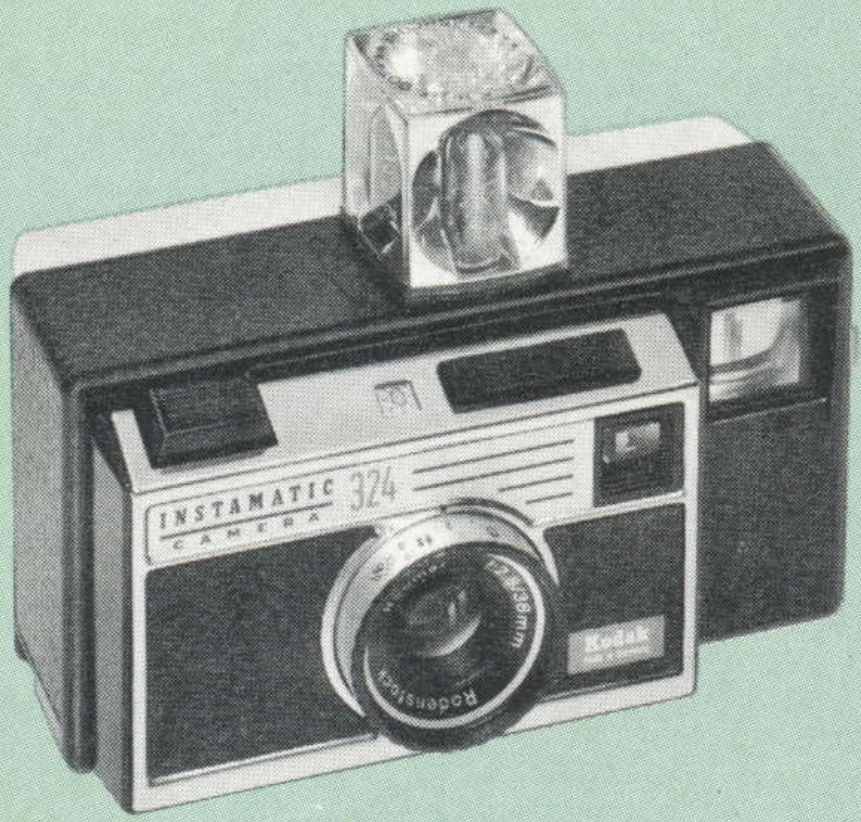
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Kodak INSTAMATIC® 324 Camera

KODAK INSTAMATIC 324 CAMERA

Before you take any important pictures, try a test cartridge of film to check the camera and your operation of it. Expose pictures outdoors and also indoors with flash. If time is pressing, a cartridge of black-and-white film can be processed very quickly in most metropolitan areas.

Your KODAK INSTAMATIC 324 Camera features instant loading, automatic daylight exposure control (battery-powered cadmium sulphide cell), automatic flash-exposure control, plus automatic flashbulb advance with the new flashcube.

For daylight pictures, after having installed the batteries and set the exposure control at A (Automatic), you simply . . .

- Drop in a 126 film cartridge—camera is loaded
- Operate Film Advance Lever—first exposure is ready
- Adjust Focus, then aim through the Eye-Level Finder—you see a bright, clear image of your subject
- Press the Shutter Release—you've snapped the picture

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INSTALL BATTERIES

Batteries must be installed before taking any pictures. Install two fresh N-size batteries* (alkaline type recommended) to *power the daylight exposure control* and to *fire flashbulbs*. Do this as follows: First, clean battery contacts with a rough cloth. Open the battery compartment on the bottom of the camera by pushing the COVER in the direction of the arrow and swinging it open on its hinge, as shown. *Position the batteries exactly as follows;* otherwise, the exposure control will not operate: Insert the inside battery (nearer camera lens) with its minus (—) terminal toward the cover; insert the outside battery with its plus (+) terminal toward the cover, as illustrated above and shown in the compartment. Close the cover by pressing it down firmly until it is locked.

*__IMPORTANT:__ Power failure (exposure control or flash) usually results from tarnish (often invisible) on battery and camera contacts. Clean battery and battery-compartment cover contacts often with a rough cloth. Clean deep contacts in battery compartment often by rotating a pencil eraser several times against the contacts. If power failure persists after cleaning, install fresh batteries.

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FILM

Your camera accepts KODAK Film in the 126 cartridge for instant loading and unloading.

KODAK VERICHROME Pan Film—For 12 black-and-white snapshots. You can order standard 3½ x 3½-inch black-and-white prints or enlargements from your film negatives through your photo dealer.

KODACOLOR-X Film—For 12 or 20 color snapshots. Standard 3½ x 3½-inch color prints or enlargements from your film negatives are available from your photo dealer.

KODACHROME-X Film—For 20 color slides. This film produces color slides which can

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Clip the wrist strap, packed with the camera, to the metal eyelet on the side of the camera.

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be obtained, mounted in standard 2 x 2-inch cardboard mounts for projection or viewing, through your photo dealer.

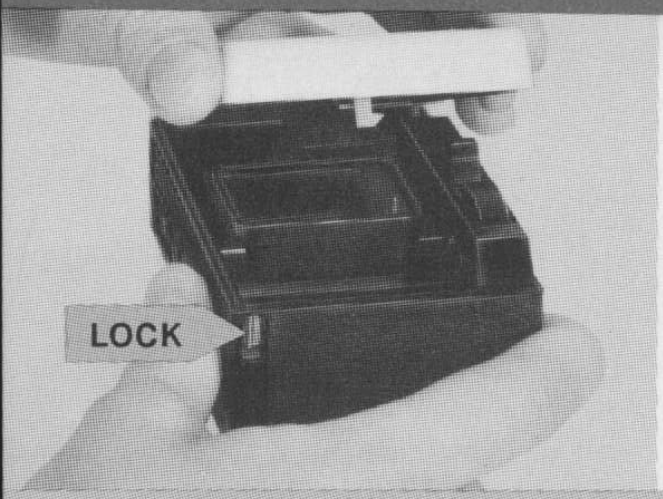
KODAK EKTACHROME-X Film—For 20 color slides. This film produces color slides which can be obtained, mounted in standard 2 x 2-inch cardboard mounts for projection or viewing, through your photo dealer.

KODAK High Speed EKTACHROME Film—For 20 color slides. This extremely fast film is ideal for taking daylight pictures of dimly lighted subjects. It produces color slides which can be obtained, mounted in standard 2 x 2-inch cardboard mounts for projection or viewing, through your photo dealer.

NOTE:

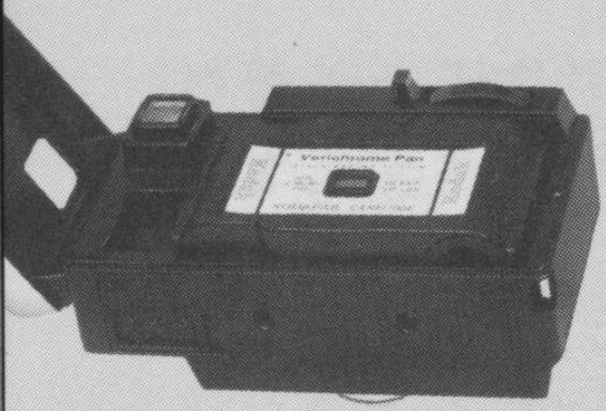
You obtain color negatives from KODACOLOR-X Film. These negatives are primarily for enlarged color prints, but you can also obtain color slides from the negatives. From KODACHROME-X, KODAK High Speed EKTACHROME, or KODAK EKTACHROME-X, you obtain color slides, ready for projection. You can also have duplicate slides or enlarged color prints made from the original slides.

LOADING FILM



1

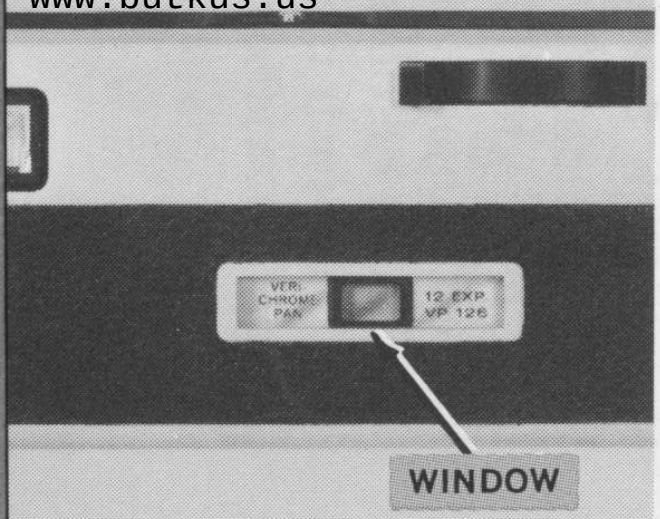
To open the back of the camera, press up the LOCK button and swing out the hinged cover.



2

Place a film cartridge in the camera with the larger cylindrical end **down** and toward the lock button, as illustrated.

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3

To close the back of the camera press the back against the body until it locks. The film name and number of exposures per cartridge appear in the WINDOW on the back of the camera.

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4

Slide the FILM ADVANCE lever as far as it will go toward the right, and allow it to return; repeat until the lever locks (about 12 full strokes). A series of arrows, appearing in the window, indicates that the film is advancing toward the first exposure.

The number that appears in the center of the window on the back of the camera (the same number may appear in duplicate) serves as your exposure counter.

IMPORTANT: Disregard this exposure number when advancing film; the film advance lever must always be operated repeatedly, **until locked,** otherwise the shutter release cannot be depressed for picturetaking.

UNLOADING

1 After the last picture, **operate the film advance lever until all of the yellow paper has passed the window before you open the back of the camera.** The appearance of an "X" in the center of the window indicates that the film has been exposed, but that the backing paper has not been wound into the take-up chamber.

2 Press up the lock button and open the camera.

3 Lift out the cartridge and close the camera. **Do not open the cartridge**—your pictures may be ruined.

NOTE: Do not remove the cartridge from the camera until all the yellow paper, with the "Xs," has moved past the window; otherwise several exposures will be "light-fogged." Removing and replacing partially exposed cartridges, even under darkroom conditions, may result in loss of one exposure.

FOCUSING



Zone Focusing: For quick focusing, rotate the LENS MOUNT until one of the three symbols on the mount is opposite the INDEX MARK. Set at the head-and-shoulder symbol for close-ups, at the middle symbol for groups, at the mountain symbol (end of dial) for distant scenes.

Scale Focusing: For accurate distance setting, rotate the lens mount until the *red* figure corresponding to the camera-to-subject distance in feet is opposite the index mark. The red dot between 6 and 18 feet indicates 12 feet. *Note:* The red figures on the scale indicate feet, the black figures indicate meters.

Mike Butkus
Digitally signed by Mike Butkus
DN: cn=Mike Butkus, o=Butkus camera manuals, ou=butkus.org, email=mike@butkus.org, c=US
Date: 2022.07.20 22:20:45 -04'00'

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VIEWING

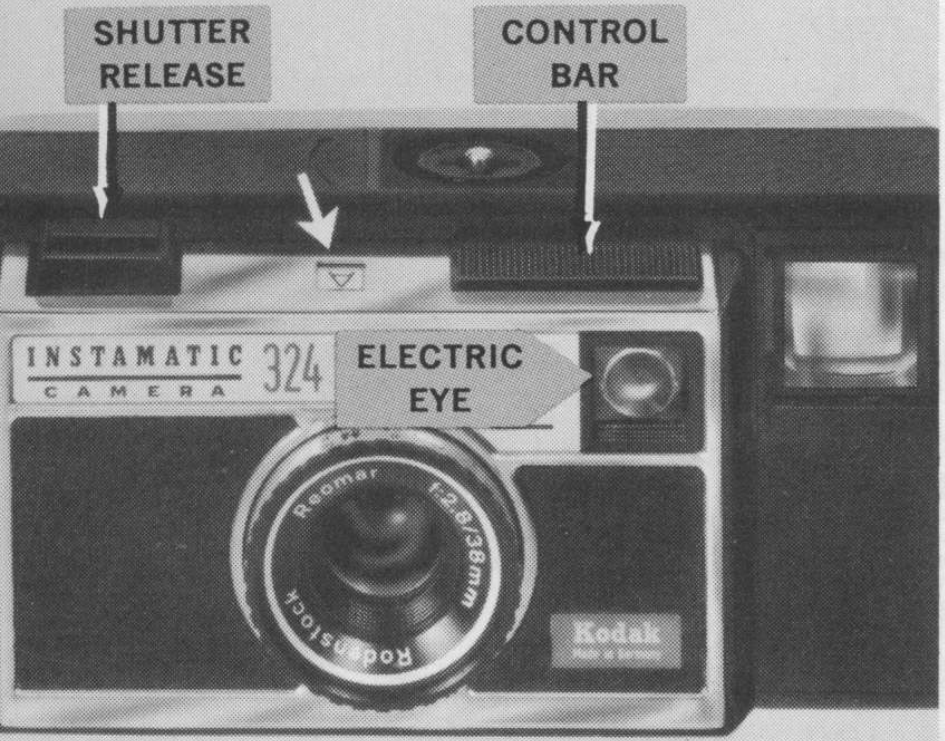


For accurate centering of the picture . . .

- Bring your eye close to the rear-opening of the viewfinder.
- Adjust your eye position to see *all four sides* of the luminous frame. It may be necessary to shift the eye slightly to make the edges stand out.
- Retain this eye position and move head and camera together to outline the subject within the gray frame.

Close-ups: For subject distances between 2½ and 4 feet, frame the subject so that an imaginary line drawn between the upper and lower pointers in the finder frame indicates the left-hand boundary of the picture. An equal area will be added to the right-hand boundary of the picture.

DAYLIGHT PICTURES



• *The letter A (for Automatic) must be set in the window, indicated by the arrow in the illustration at the left, for correct exposure.* If it is not, move the black, serrated CONTROL BAR toward the viewfinder as far as it will go. This engages the exposure control so that the size of the lens opening is automatically controlled by the amount of light reflected to the ELECTRIC EYE by the subject. The shutter speed is now set for 1/125 second.

Do not obstruct the electric eye, during picturetaking, with

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the fingers or any other object, and do not point the camera toward the sun or other bright light source.

- Set the camera-to-subject distance by the symbol scale or footage scale on the lens mount, as described previously.
- View the subject by bringing your eye close to the rear opening of the viewfinder as described previously. *If, as the shutter release is slightly depressed, the red warning spot appears in the lower right-hand side of the viewfinder, there's insufficient light for proper exposure.* Flash can then be used for near-by subjects.
- Hold the camera steady and take the picture by *slowly* pressing the SHUTTER RELEASE all the way down.
- Operate the film advance lever *repeatedly* until it locks (1½ to 2 strokes). The next exposure is ready.

Double Exposure Prevention: The shutter release cannot be depressed after tripping until the film advance lever is again operated until it locks.

FLASH PICTURES



Flash picturetaking is easy and rapid—your camera accepts the new four-bulb flashcube and features automatic flash control with KODAK VERICHROME Pan, EKTACHROME-X, KODACOLOR-X and KODACHROME-X Films. This automatically sets the correct lens opening as you focus the camera for subject distances between 4 and 18 feet.

1 Set Camera for Flash—Push the black, serrated CONTROL BAR toward the exposure release as far as it will go. The blue FLASH SYMBOL will appear in the window located between the control bar and the shutter release. This symbol indicates that the camera is now set for flash, including the flash shutter speed of 1/30 second.

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2 Insert Flashcube—Insert a FLASHCUBE in the flash socket on the top of the camera; with one of its four bulbs facing forward, press it down until it snaplocks in place.

The cube revolves one quarter turn as pressure is removed from the shutter release after making an exposure, thus providing flash for four exposures *if a fresh flashcube is in place*. To use a partially used cube, insert the cube with a fresh bulb forward, keeping in mind the *clockwise* rotation of the cube (arrow on top of camera) to bring succeeding fresh bulbs to the frontal firing position. The cube can also be rotated by hand to position a bulb for firing.

To remove a flashcube, lift it out of the socket.

3 Set Distance—Rotate the lens mount until the red figure, representing the subject distance in feet (between 4 and 18 feet, as indicated by the blue band on the lens mount) is opposite the index mark.

4 Flash the Picture—Compose the picture within the luminous viewframe of the viewfinder, hold the camera steady, and press down the shutter release to flash the bulb and take the picture.

PHOTO AIDS

KODAK INSTAMATIC 324 Ever-Ready Case—This attractive, black leather field case will provide maximum protection for your camera. The case attaches to the camera by two snap fasteners that fit the two sockets on the base of the camera. The fold-down front permits instant picturetaking while the camera is in the case. The case is supplied with a leather hand strap and adjustable extension strap.

Adapter Ring, Series 5 (Screw-in type)—Permits Series 5 filters and lens attachments.

KODAK RETINA Lens Attachments (32mm)—The KODAK RETINA Close-up Lens Set N/32 for ultra-close pictures, filters for both black-and-white and color, and the KODAK RETINA 32 Lens Hood to provide protection against extraneous light, are available for your camera.

KODAK Flashcube Extender—This desirable attachment increases the distance between the lens and flashcube to produce more pleasing modeling and shadow effects in close-ups.

KODAK Projectors—A KODAK projector or viewer will show your color slides big, bright, and sharp on the screen. Ask your dealer to see the low-cost, compact KODAK READYMATIC Viewer or the popular KODAK CAROUSEL Projectors.

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SERVICE FACILITIES

If your KODAK camera should require attention, complete service facilities are provided at Rochester and in KODAK Regional Sales Divisions at the addresses, opposite. Also, service, covered under the guarantee, is available through independent service shops in many cities. For such local, guarantee-covered service, please see your KODAK dealer or refer to the yellow pages of your telephone directory under Photographic Equipment and Supplies—Factory Approved Warranty Service.

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800 Lee Road
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Oak Brook, Illinois 60523

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Apparatus Service
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Eastman Kodak Company
Apparatus Service
1065 Kapiolani Blvd.
Honolulu, Hawaii 96807

GUARANTEE

Within a year after purchase, any repairs necessary to this KODAK INSTAMATIC Camera due to a defect in materials or workmanship will be made or, at our option, the camera 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 a defect, the camera 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 camera, including the date and place of purchase.

EASTMAN KODAK COMPANY, Rochester, N. Y. 14650

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