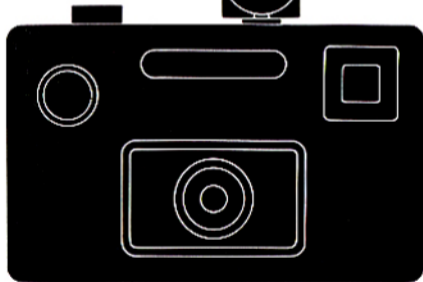


# MINOLTA AUTOPAK 400-X



OWNER'S MANUAL





FOR PERFECT EXPOSURE WITH YOUR 400-X FROM BRIGHT EE CONDITIONS THROUGHOUT THE FLASH RANGE, ALL YOU DO IS DROP IN A CARTRIDGE, SNAP ON A MAGICUBE, AIM, AND SHOOT!

## MAIN FEATURES

**BATTERYLESS EASE AND SPEED:** Using instant-loading 126 film cartridges, Magicubes, and exposure automation that needs no batteries, your new Minolta Autopak 400-X will give you the fastest, simplest, most carefree automatic operation ever. And your pictures will have sharpness and fidelity you'd expect only from cameras costing many times more.

**SELF-ADJUSTING EXPOSURE:** A self-powered selenium-eye exposure system sets both shutter and aperture automatically. You have no adjustments to make, and no battery worries—ever!

**AUTOMATIC FLASH:** The camera decides when to use flash. You can leave a Magicube in place all the time—the camera will fire it only when needed.

**SIGNALLING VIEWFINDER:** If there's no Magicube in place and one is needed, a red signal in the viewfinder tells you to install one. The red signal also warns you when the Magicube is used up.

**NO SETTINGS TO MAKE:** The ASA rating is already set for you, and you don't even have to focus.

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## SPECIFICATIONS

- Type:** Batteryless EE-flash auto-switchover camera using 126 film cartridges and Magicubes **3**
- Lens:** Optical glass Rokkor 34mm F8, 3 elements in 3 groups, with 61° angle of view; fixed focus 3.3 feet (1 meter) to infinity
- Exposure system:** Built-in selenium meter above lens sets aperture automatically for exposures with Kodacolor-X, Ektachrome-X, and certain other films rated ASA 50 to 125; shutter is automatically adjusted to 1/90 or 1/45 sec. according to light level; with fresh Magicube in position, camera automatically switches over for flash exposures at 1/45 sec. when light is insufficient for EE operation.
- Viewfinder:** Bright-frame type with "use-flash"/"replace-Magicube" signal
- Film advance:** Lever-type 1-stroke winding mechanism
- Flash:** Automatic EE-flash switchover; built-in socket with auto-turn mechanism for Magicubes; flash range: 4 to 10 ft. (1.2 to 3 m) with color film, 4 to 15 ft. (1.2 to 4.5 m) with black-and-white
- Size & Weight:** 4 $\frac{3}{8}$ " (113mm) x 2 $\frac{1}{8}$ " (68.5mm) x 1 $\frac{3}{8}$ " (48mm), 8.75 oz.
- Others:** Shutter button lock device

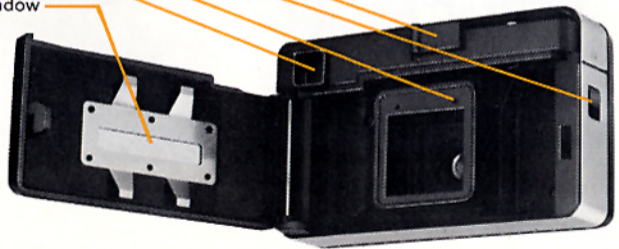
## NAMES OF PARTS

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- 4 Magicube Socket
- Shutter Release Button
- Viewfinder
- Selenium EE Cell
- Shutter Lock
- Lug, Ring, and Wrist Cord
- Rokkor 34mm F8 Lens

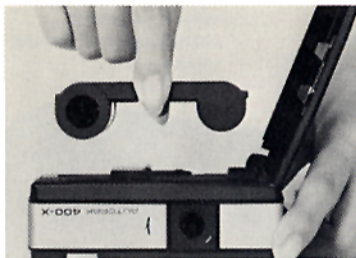


- Film Advance Lever
- Back Cover Release
- Film Stop
- Finder Eyepiece
- Film Window



## FINE PICTURE-TAKING: AS EASY AS 1, 2, 3

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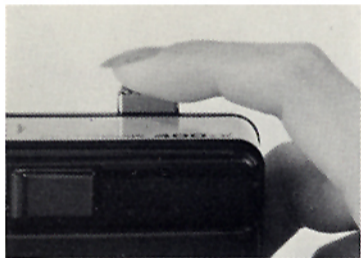


1. Load camera and advance film for first exposure.

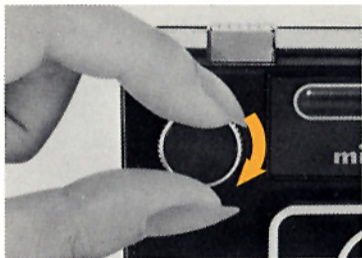


2. Frame your subject in viewfinder bright frame.





**3. Push shutter release. That's it—you've taken a fine picture!**



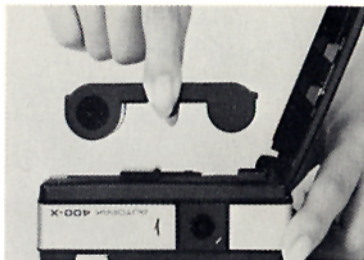
**Turn handy shutter lock clockwise to lock and retract shutter release button; push in on lock to unlock and raise release.**

## LOADING YOUR CAMERA: FOUR SIMPLE STEPS

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1. Slide the back cover release button up; the cover opens automatically.



2. Drop in a film cartridge as shown.



3. Close the back cover firmly; it will lock with a "click." Film type and exposure number can be seen through the little window.



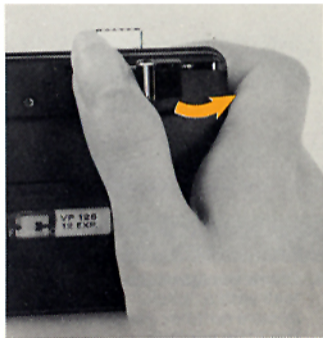
4. Advance the film lever as many times as necessary until exposure No. 1 appears in the window. Once the lever stops, do not force it. You're ready to take your first picture!

## WINDING FILM

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After taking a picture, advance the film lever a full stroke in the direction shown until it locks. This action advances the film and cocks the shutter for the next exposure. It also turns Magicube to a fresh lamp if needed and available.

The picture frame number appears in the window on the back of the camera. The same number will appear several times in a row, and the exact placement in the window is unimportant. After each exposure, you must operate the film advance lever until it locks.



## UNLOADING YOUR CAMERA

When you've taken the last exposure (No. 12 or No. 20), advance the film lever repeatedly until you can no longer see the film's paper backing in the window.

Open the camera and remove the film cartridge. The cartridge will drop out when the camera is turned over. Do not try to remove the film from its cartridge.

Never open the camera or remove the film cartridge until the film has been completely wound through onto the take-up spool and you can no longer see the film backing paper through the window.



## HOLDING CAMERA AND COMPOSING PICTURE

**12** A little care in holding your camera, composing the picture, and releasing the shutter will make for better results.

It is best to hold your camera horizontally with both hands, bringing it firmly against your face to steady it.

Look through the viewfinder and compose your picture within the bright frame. What you see in this frame is what you'll get on film.

Push the shutter release gently with a slow, steady squeeze.

And make sure that your fingers don't cover the exposure meter or the lens!



## AUTOMATIC EE AND MAGICUBE EXPOSURE

As long as there's enough light for pictures without flash, your Minolta Autopak 400-X's selenium-eye programmed exposure system sets both shutter speed and lens opening for you automatically.

When there is not enough light for pictures without flash, a red signal will appear in the viewfinder as you push the shutter release if there is no Magicube on the camera or if all 4 shots in the Magicube have been used up. (To check exposure mode and condition, depress shutter release button slightly and look for red signal in viewfinder.)



- 14 TO INSTALL A MAGICUBE:** Align one corner with the stud at back edge of camera top and push down on the cube until it clicks. The cube will rotate automatically each time you advance film if a fresh lamp is not in firing position. **CAUTION:** You may turn an installed Magicube clockwise if necessary to bring a fresh lamp into position, but Magicube must never be turned counter-clockwise.

If a Magicube with a fresh lamp is in place, no red signal will appear, indicating that the camera is set for flash pictures of subjects between 4 and 10 feet (1.2 and 3 meters) from the camera for color film or from 4 to 15 feet (1.2 to 4.5 meters) away with black-and-white film.

Thus, indoors or outdoors, in dark or light conditions, you can keep a fresh Magicube in place at all times. If light is adequate for exposure without flash, exposure will be adjusted automatically and cube will not fire. If flash is needed, it will switch on and fire automatically for proper exposure within the flash range.



## CARE AND STORAGE OF YOUR CAMERA

Your Minolta Autopak 400-X is made for long, carefree service. But there are a few things that you should do. **15**

Never touch the lens with your fingers. Should lens become dirty, clean it with a blower lens brush and a soft, clean lint-free cloth, using a gentle motion.

Camera should never be put or left in glove compartment or other place in motor vehicles or elsewhere in which it may be subject to relatively high temperatures.

Store your camera in a cool, dry place away from dust or chemicals. An airtight container that has a drying agent like silica gel in it would be ideal.

- 16** If you have any questions, ask your Minolta dealer. He's knowledgeable in all aspects of photography. And he can help you with all of your photographic needs.

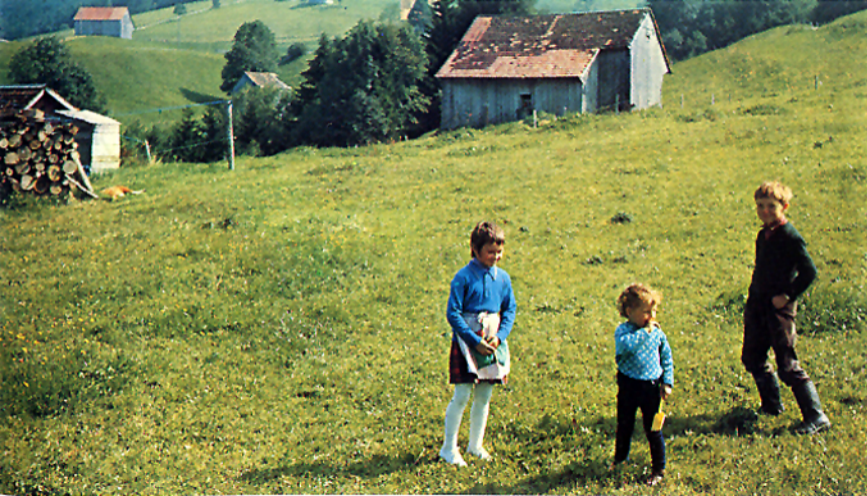
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**Minolta** MINOLTA MEANS BETTER PICTURES