

Minolta 16 II

Owner's Manual



E



**For every man, woman, and youngster
who has ever said, "Oh what I wouldn't
give for a camera right now !"**

Smaller than a pack of cigarettes, the Minolta "16" hides in your pocket, smuggles in your purse....always ready to extend the fun of picture taking from an occasional prepared pleasure, to an on-the-impulse delight.

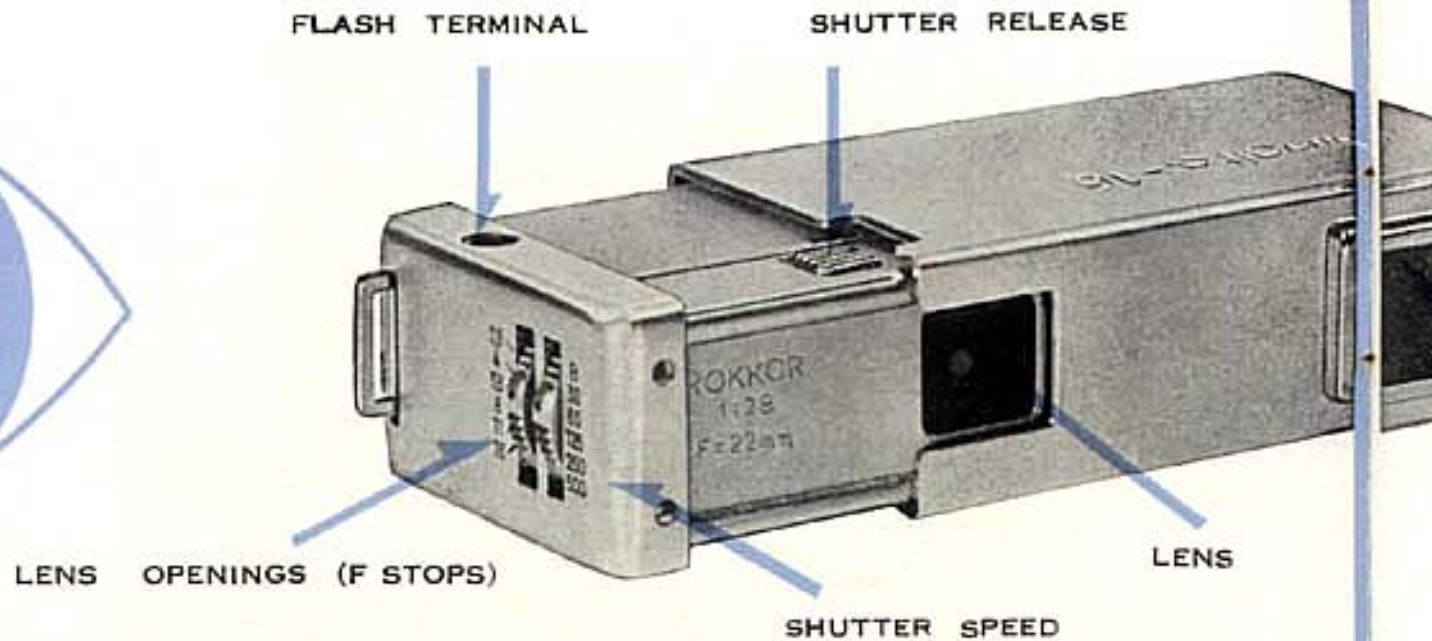
Easier to use than a box camera, Minolta "16" provides the versatility demanded by professionals.

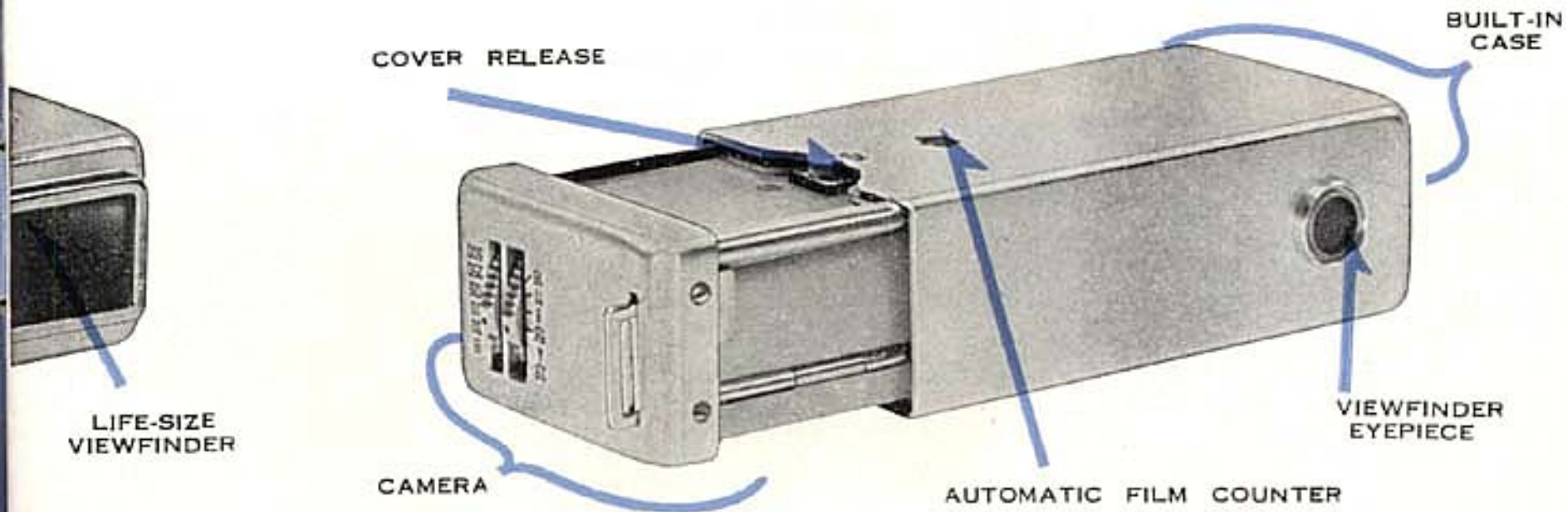
For regular black and white photos or color slides indoors or out you just can't beat the fun of taking pictures with a Minolta "16".

A stylized graphic of an eye, composed of a central circle and two curved lines on either side, all in white against a blue background.

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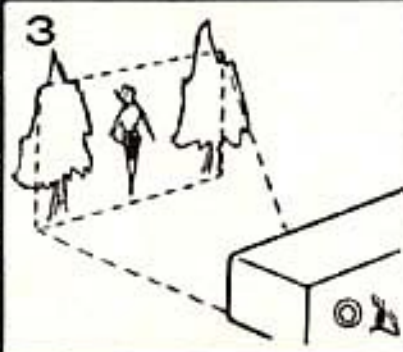
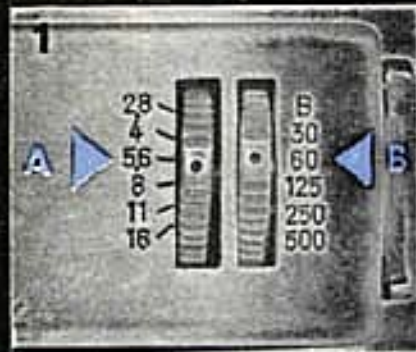
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If you know nothing about cameras...



1. SET F-STOP: SET SPEED: Set the lens openings (A) and shutter speed (B) as shown on the exposure table enclosed with each roll of film...by rolling red dot on wheel opposite desired speed and opening.

2. SIGHT: Pull camera (C) out of built-in case (D) as far as it will go and look through viewfinder (E).

3. COMPOSE: Looking through viewfinder, shows subject as it will appear on film. Keep camera at least 6 feet from subject.

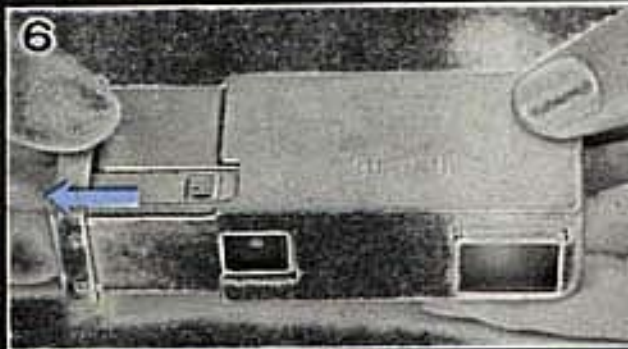
4. PRESS RELEASE (F): That's all there is to taking a picture.

5.

Practice the following before putting in film:



5. PUSH TOGETHER: Push camera back into built-in case as far as it will go.



6. PULL OUT: Pull camera out of case as far as it will go and as you did in 2. This advances film, cocks shutter, and counts film—all automatically.



7. TAKE YOUR NEXT PICTURE: To snap your next picture, simply repeat Steps 2, 3, and 4.

Additional hints for beginners....



HOLDING THE CAMERA

Hold camera either horizontally or vertically, anchoring it to your brow. The important thing is to hold the camera absolutely steady at the moment you press the release button. Never tip or jerk your finger on the release. Instead, squeeze it gently.



Indoor pictures (or any pictures in dim light)

THE FLASH GUN

The Minolta 16 II is completely synchronized for flash pictures. When use with the Minolta Duofit-S flash described on P. 18, there are almost no limitations. This compact flash gun can be attached to the camera or held in your hand.

Shutter speed should be set at 1/30 sec. F-number is determined by referring to guide number of flash bulb type. You can also use any electronic flash unit.



TRI-X
Film

Where you have fairly good light, you can use TRI-X Film. TRI-X is a very fast film that can be used under minimum lighting conditions. Like all Minolta "16" film, it comes in a 20-exposure cartridge, but should be loaded and unloaded only in subdued light. Suggested lens and shutter settings are included with every roll of film.

This photo was taken by
MINOLTA "16"

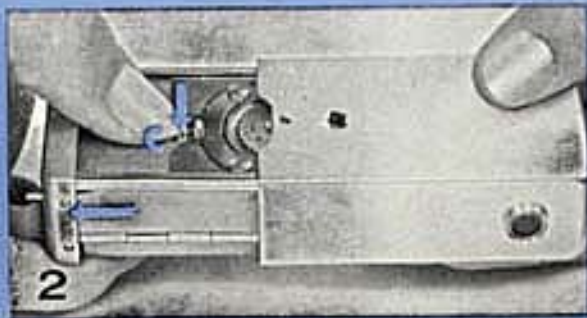
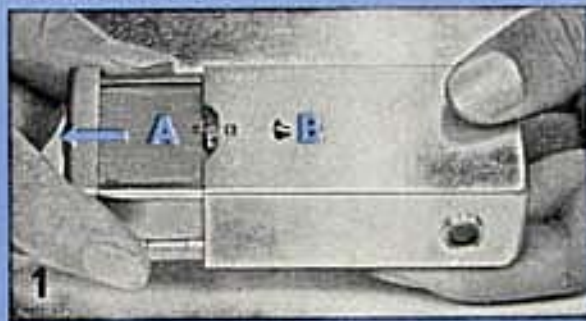
Data: 1/125 f8 ASA 80 film.





Loading the camera

1. Pull camera (A) out of built-in case (B) as far as it will go.
2. Depress clasp (C) so that camera can be pulled entirely out of case.
3. Lift film door on other side of camera.



4. Drop in film magazine,



5. Close film door.



6. If door does not close, it is because magazine has not gone all the way in.



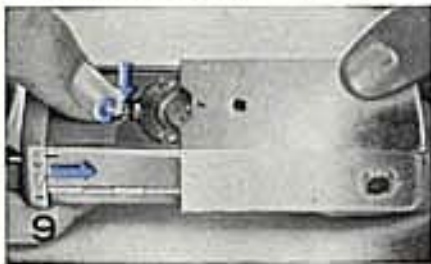
7. To correct this, push sliding plate (F) in slightly and try to press film in. If still unsuccessful, push sliding plate in again slightly, and repeat. This will work everytime.



8. Turn number dial (D) counter clockwise until the letter "S" lines up with the red line.



9. Slide camera back into built-in case, depressing clasp (C).



10. Catch (G) (which moves up and down when clasp is pressed) should be seated in the opening to the right of the Film Counter Window as shown above.



11. Move camera out and in twice. Number 20 will now appear in Counter Dial Window, showing you have 20 pictures to take. Pull camera out a third time and take your first picture.





Removing the exposed magazine



1. Keep taking pictures till the "O" appears in the Counter Dial Window.



2. Now push camera in and out of case three times until an "E" appears in the Counter Dial Window.



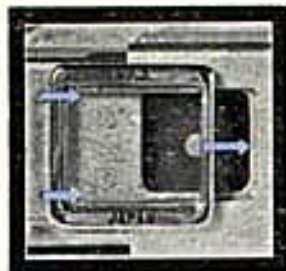
3. Depress Clasp (A) and pull camera out of built-in cover as you did when loading.



4. Open film door and remove magazine. That's all there is to it!

Further information for advanced photographers

- ▶ The f2.8 22mm Rokkor lens provides extreme depth of field.
You are in sharp focus from 5.53 feet to 16 feet at f5.6. *
- ▶ For close-ups, or for the subjects in the distance, it is recommend to use the Close up lens attachment (No. 1 or No. 2) or Distance lens attachment (No. 0).
The set of these lenses and Y48 filter are available-as the accessories.



Depth of Field Scale (Dis. (ft.))

Lens Opening	2.8	4	5.6	8	11	16	
Without Close-up Lens	6.6 Ft. to 10.8 Ft.	6.1 Ft. to 12.6 Ft.	5.5 Ft. to 16.0 Ft.	4.9 Ft. to 27.0 Ft.	4.2 Ft. to 205 Ft.	3.5 Ft. to ∞	
With No. 1 Close-up Lens	3.8 ~ 4.9	3.6 ~ 5.2	3.4 ~ 5.7	3.2 ~ 6.6	2.9 ~ 8.4	2.5 ~ 15.0	
With No. 2 Close-up Lens	2.3 ~ 2.6	2.2 ~ 2.7	2.2 ~ 2.9	2.1 ~ 3.1	2.0 ~ 3.4	1.8 ~ 4.1	
With No. 0 Distance Lens	16.6 ~ ∞	13.7 ~ ∞	11.1 ~ ∞	8.7 ~ ∞	6.8 ~ ∞	5.0 ~ ∞	



How to load your own bulk film into the



Before starting, arrange all parts of the magazine so that you can locate them in the dark. Also practice loading, with your eyes closed, until you know it to the last detail.



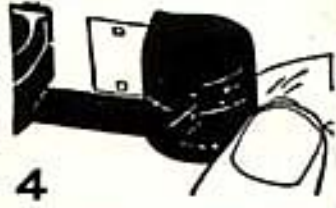
1. Cut an 18" strip of film. Wind it into a small roll with the emulsion side in. Don't touch either side with your fingers.



2. Place 18" film roll in smaller chamber of magazine (A), threading about an inch through slit (B) so that the end of the film protrudes.



3. Put cover tightly over smaller chamber. At this point, it should look like this drawing.



4. Secure cover to magazine with a piece of pressure sensitive tape.



5. See the next page for the next steps.

IN TOTAL DARKNESS

the Minolta "16" magazine (if you so desire)



IN DIM LIGHT

5. Stick a piece of pressure sensitive tape on film so that half of the adhesive part hangs off as above.
6. Hold film winding drum (C) on fore finger, like a thimble. Place it on a flat surface, line up with film and fix hanging end of tape.
7. Wind $1\frac{1}{2}$ times around drum making sure it rolls straight, and place in larger chamber, threading through slit.
8. It should now look like this:
9. Fit remaining cap over large chamber and secure with pressure sensitive tape. Label magazine as to film type. If you do not immediately load into your camera, wrap the magazine in light-proof paper for storage.



Accessories



MINOLTA DUOFIT-S FLASHGUN

The Minolta Duofit-S flash gun is a compact and powerful flash unit for use with AG flash bulb.

It can be used in two ways as a cordless flash gun for camera with direct sync. contact, or as an ordinary flash gun for camera with ordinary sync. terminal.



FLASH AND TRIPOD ADAPTER CLAMP

The Minolta Clamp secures the Duofit-S flash gun or any tripod to your Minolta 16. This unique "wraparound" clamp safely locks the camera and accessories together.



Minolta color filter bank

There are 3 filters in the unique pack, for giving better color balance to your color film.

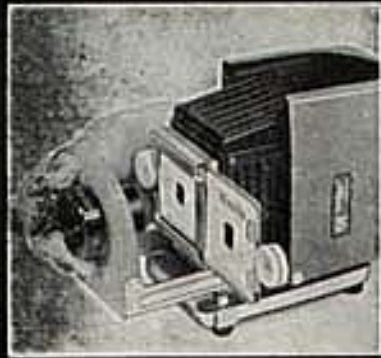
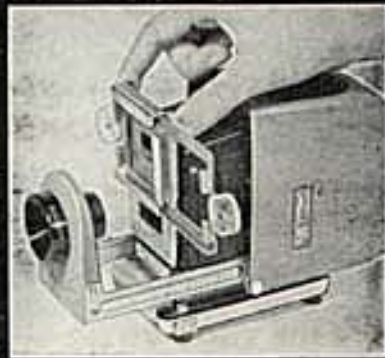
- (1) No. 80 A filter converts daylight type Kodachrome or Anscochrome for use with photoflood lights in doors.
(Exposure 3.2x)
- (2) No. 81 B filter should be used on the cloudy day, it controls the bluish tone.
(Exposure 1.3x)
- (3) No. 1A-skylight filter
(Exposure 1.1x)



Minolta Mini 16 Projector

For Color Slides

The Minolta Mini 16 Projector is a compact, light-weight projector of unique design. Like the tiny Minolta "16" which provides "big camera" performance in subminiature size, the Mini Projector is engineered to give "big projector" performance. It casts unusually brilliant on-screen images with its short focal-length $f:2.5$ lens. Its projection rivals many 500 watt machines of much greater size. Complete with Carrier for Minolta 16 slides. In addition, accessory automatic slide-changers make the Minolta Mini Projector a versatile instrument for both amateur and professional.





MINOLTA MINI ENLARGER

For use with Minolta "16" film. It will provide excellent enlargements up to 5×7 in size on the baseboard. Complete with f:3.5-25 mm coated Rokkor lens. Diaphragm stops down to f: 11. The enlarger comes complete with 16 mm film carrier and 100 watt bulb.

Note: This enlarger can also be used with 35mm film (with 50mm enlarging lens) and 9.5mm film.

Special negative carriers are available.





Minolta 16 Filters

The filters bring out truer tone and give you better looking picture.

- (1) UV filter (Ultra-violet) for daylight photographs, to improve distant scenes by eliminating haze effects. It is recommend to keep this filter attached on the camera for preventing the dust gets into the lens.
- (2) Yellow filter (Y48) for deeper sky tones, bring out cloud effects, and for better tonal rendition of bright outdoor scenes-particularly on sea, snow or sand.

These two filters are available as accessories with No. 0 (Distance) lens in a set.



WITHOUT FILTER



WITH YELLOW FILTER

Maintenance and Care of the Camera

If the camera is used at the beach or in a dusty area there is a possibility that salt or dust may adhere to the camera body or lens and cause damage or corrosion. Therefore, it is recommended to take care of your camera so it will give you many years of enjoyment.

Care after use

When the chrome surface of the camera is stained, wipe it with a cloth damped with Benzine. Be careful that Benzine does not enter into the inside of the camera or lens.

When dust is on the lens use a camelhair brush or a lens blower.

Before storing the camera, release the shutter.

Do not store the camera in a place with high temperature, humidity or with chemicals containing salt.



Minolta means better pictures

Minolta

MINOLTA CAMERA CO., LTD.