

AN EASIER-HANDLING AUTO-ELECTRONIC CAMERA

The Minolta Hi-Matic II is an extremely light, compact, easier-handling camera that features a highly accurate electronic shutter, with speeds from 1/750 to 4 full seconds, and a completely automatic exposure system.

The CBS-EE system provides perfect automatic exposure in conditions where flash is not needed. Its automatic system switches on automatically when flash is attached and operates the shutter to focus for accurate exposure adjustment. The flash is used only when the camera is in manual mode.

Convenient exposure scales in bright-light, medium-light and low-light conditions, plus normal hand-held auto exposure control, flash, allow you to use a "shutter on flash" function when camera is switched over to flash mode.

Please take a few minutes to read this instruction manual thoroughly for best results and longest service life from your new Hi-Matic II.

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NAMES OF PARTS



SPECIFICATIONS

Lens: Rokkor 38mm F2.7, 4 elements in 3 groups, 63° angle of view. Filter and lens shade mount. Minimum screw-in type. Chromatic type construction for 0.8 exposure from EV 29 (4 sec. at F2.7) to EV 17 (1/750 sec. at f/16).

Shutter: CBS type, covered LS type EV 29 to EV 17 with a film speed of ASA 100. Film speed range: ASA 25 to 500, automatic compensation when battery pack is used for two 1.4hr mercury batteries. Battery M6-640 Eveready 2500 or equivalent.

Flashlight system: 2500 or equivalent accessories at 1/200 sec. automatically switches on when flash is attached, and aperture couples to focusing and guide number control flash, providing automatic exposure adjustment.

Flash connections: Both for "hot-shoe" and standard European-type (PC) terminal contacts are provided.

Viewfinder: Full frame, integral type, which includes range-finder, central magnifier, "lightmeter" and mechanical image signal visible when viewing film "end-of-roll" counter. EE exposure warning lamp that comes on at EV 17/F2.7 at 1/200 sec. at ASA 100 in lens.

Film advance: Lever type with single "LOCK" indicator for 20 unexposed shots. Safe Load film-advance system.

Frame size: 35mm film 13.5, 16, or 36 exposures on standard 35mm film.

Other: Battery check lamp to warn low levels.

Size: 130mm (H) x 110mm (W) x 56mm (D); 1.1 kg (2.4 lb) deep over all height. Weight 0.2 kg.

BEFORE TAKING PICTURES

Inserting Mercury Batteries

The automatic electronic shutter of the Minolta Hi-Matic II is powered by two long-life, 1.4 volt mercury batteries. The batteries should be inserted in the battery compartment before the camera will operate.



2. Making sure the end of the clear vinyl strip is projecting from the end of the cartridge, insert the end of the strip into the slot in the cover. Push the strip down until it is flush with the top edge of the cover. Push the strip down until it is flush with the top edge of the cover. Push the strip down until it is flush with the top edge of the cover.

CAUTION: Do not touch the (+) and (-) terminals of the batteries. Do not touch the (+) and (-) terminals of the batteries. Do not touch the (+) and (-) terminals of the batteries.

Checking Batteries

Push the battery check button. If battery check lamp on the camera flashes on, batteries can be recharged. If battery check lamp does not flash, make sure that two batteries are properly inserted or replace the batteries with fresh mercury warning lamp and battery check lamp.



3. Loading Film

The Minolta Hi-Matic II loads in automatic and features the unique S.S. Safe Load System, which insures a correct check of film orientation and advancement. To load film, insert the film in the cartridge and press it down on the back release. Back cover will automatically spring open.

4. While pressing film gently against the sprockets, advance film advance lever slowly until the perforations on both edges of the film are engaged with sprocket teeth. Then close the back cover.



5. A light will not show when opening the red film in the frame counter window. Rotate the film counter window until the light shows the shutter release button. Repeat this procedure until the light shows the counter window.

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HOW TO TAKE PICTURES

Fully Automatic Electronic Eye Control

1. Framing your subject in the viewfinder, measure both horizontal and vertical angles. Do not shoot through the viewfinder but look down slightly, but not more than half-way.

2. Do not move camera in the viewfinder. The right frame light is advance for normal "hand-held" exposure without flash, and you can proceed to take the picture of your subject's compressed and focused subject.

3. If the exposure warning lamp at the upper right-hand frame lights and then does not stop flashing to indicate a shutter speed of 1/250 sec. or slower is indicated, use of a tripod is recommended.



12. Focus by looking through the viewfinder and seeing the green/red or blue/red images in the "diamond" at the center of the viewfinder. Frame counter register will appear as usual.

Out of Focus

Your subject is not properly focused if a double image of it appears in viewfinder's diamond-shaped area as shown.

In Proper Focus

When the red image (stage) line has shown, subject is in sharp focus. Camera has subject distance indicated by the green/red index located on the top of the lens barrel reflected from the camera body.

13. For most distances, compose your picture by framing your subject above your subject's top edge and below the subject's bottom edge. This frame is what will appear on the film.

To correct for the slight difference in viewing angle between the viewfinder and the subject, frame subject lower than about 2/3 of the viewfinder's top edge. This will correct for the slight difference in the viewfinder's top edge and the subject's top edge.



15 Automatic Flash Photography
Lighting of the EE indicator lamp when the shutter releases is provided electrically with the flash. This means that you cannot see the flash unit's own subject and if the shutter speeds using a flash are not checked.
When a flash unit is properly attached to the Minolta Hi-Matic F, the flash indicator lamp will light up at the moment of the shutter release.
The EE warning lamp will come on and go out as the shutter release is pressed when the camera is in "Flash-ready" mode, but this may be disregarded as long as the flash indicator lamp appears in the viewfinder.



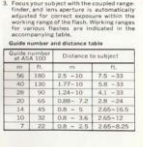
1. Attaching Flash Unit
The Minolta Hi-Matic F is equipped with a contact foot which connects to an external flash unit's terminal. When using a Minolta Electroflash or other compatible flash unit, all you have to do is attach the unit in slide 4, into camera's accessory slot.



16 CAUTION
- NEVER touch attachments, using standard flashbulbs. Be sure not to touch a bulb until you have been properly instructed for handling. Always use a rubber finger cap on the lens and accessories when not in use.
- When using a rubber finger cap, be sure to insert the top of the cap, terminal to avoid getting an electric shock.



2. Setting Guide Number
Before the guide number, indicating to set the index set to the point on the scale in changing the guide number of the flash in the viewfinder, the setting between click stops may be used.



3. Focus your subject with the coupled rangefinder and viewfinder is automatically adjusted for correct exposure within the focusing range of the flash. Focusing ranges for various flashes are indicated in the accompanying table.

Guide number and focusing table

Flash type	Distance to subject	
	m	ft.
150	2.8 - 13	7.5 - 33
50	1.37 - 10	5.8 - 33
30	0.84 - 10	4.1 - 33
20	0.56 - 7.2	2.8 - 24
15	0.43 - 5	2.05 - 16.5
10	0.3 - 3.6	1.25 - 12
7	0.2 - 2.5	0.65 - 8.25

20 Loading Exposure Film
1. Depress the film rewind release on the bottom of the camera.

2. Lift the film rewind crank and turn it clockwise. This will retract the film into the film cartridge. When all but the film leader is spooled, the red signal in the film leader will disappear. To indicate to the camera that the film leader is leading the frame, you will have a light resistance. This means you will have a light resistance. This means you will have a light resistance. This means you will have a light resistance.

OPTIONAL ACCESSORIES
Minolta Electroflash P
The lightweight and compact latest film slide (35mm) and compact (about the size of a pocket calculator) flash unit, which can be used with the camera's built-in viewfinder or with the camera's external viewfinder. The unit is attached or removed from the camera's "hot shoe".



22 Minolta Lens Shade
The lens shade extends over the lens to protect it from dust and scratches. It is recommended for all outdoor photography.

Minolta Electroflash B
This compact, wireless electronic flash unit is suitable for outdoor photography. It is recommended for all outdoor photography. It is recommended for all outdoor photography.

Slide 200 Protection
The lightproof and protects both 35mm and 135mm slide photography. It has an efficient condenser system and a high performance response for bright, early morning light. Optional accessories include an auto change, variable conversion lens, slide film carrier, and projection screen.



24 Minolta Filters
UV This filter absorbs excessive ultra-violet rays when shooting outdoor scenes, and other glasses. Exposure is the same as without a filter, and it can be used with the camera's lens cap.
IA This filter is designed to reduce the intensity of subjects in shades illuminated by blue sky, an overcast or heavy drizzle, or otherwise. It is recommended for use in the same way as the IA filter.
Red and yellow subjects are rendered lighter than the eye sees them by this filter. Use with the camera's lens cap.
ND This filter is used for shooting with a wide aperture and is often used to darken the sky in landscape photography.

ND X4 Used to adjust light volume from a wide aperture. This neutral density filter can be attached to avoid over-exposure, as when shooting beach or bright snow scenes, especially with fast films. It is also useful for depth of field control. Use with the camera's lens cap.

CARE AND STORAGE
Your Minolta Hi-Matic F is made for long, carefree service. But there are a few things that you should do.
Never touch the camera lens with fingers. Should lens become dirty, clean it with a lower lens brush and a soft, lint free cloth, using a gentle motion.
If you do not plan to use your camera for a long period of time, it is best to remove the batteries.
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.
Camera should never be put in or left in places unattended or other places in motor vehicles or elsewhere in which it may be subject to relatively high temperatures.
If you have any questions, ask your Minolta dealer. He is knowledgeable in all aspects of photography, and can help you with all your photographic needs.

Minolta Camera Co., Ltd., 28-6 Chome, Shimokita, Minami-ku, Osaka, Japan
Minolta Corporation, 200 Park Avenue South, New York, N.Y. 10003, U.S.A.
Minolta Camera Handlungsgesellschaft m.b.H., 2 Hamburg 1, Spaldingstrasse 1, West Germany
Minolta Hong Kong Limited, 57 Aquilae Place, 57 Aquilae Street, Hong Kong

Minolta MINOLTA MEANS BETTER PICTURES

MINOLTA HI-MATIC F



OWNER'S MANUAL

