



CS-1

INSTRUCTION BOOKLET
GEBRAUCHSANWEISUNG
MODE D'EMPLOI
LIBRETTO D'ISTRUZIONI
FOLLETO DE INSTRUCCIONES



ENGLISH

- Ⓔ Welcome to the exciting world of Cosina. Your new camera is one of a family of professional quality cameras designed with the serious photographer in mind. And the name Cosina is your assurance of superbly crafted optics and outstanding mechanical performance and reliability.

DEUTSCH

- Ⓓ Wir begrüßen Sie in der aufregenden Welt der COSINA. Ihre neue Kamera gehört zur Familie der professionellen Qualitätskameras, die unter Berücksichtigung der Ansprüche ernsthafter Fotografen entwickelt wurde. Der Markenname COSINA ist Ihre Gewähr für überragende Optik, hervorragende Technik und Zuverlässigkeit.

FRANÇAIS

- Ⓕ Bienvenue dans le monde passionnant de Cosina. Votre nouvel appareil photographique est un modèle de la famille des appareils de qualité professionnelle, conçu pour le photographe averti. Et le nom de Cosina est pour vous l'assurance d'une optique superbement travaillée, d'une performance mécanique remarquable, et d'une robustesse insurpassable.

ITALIANO

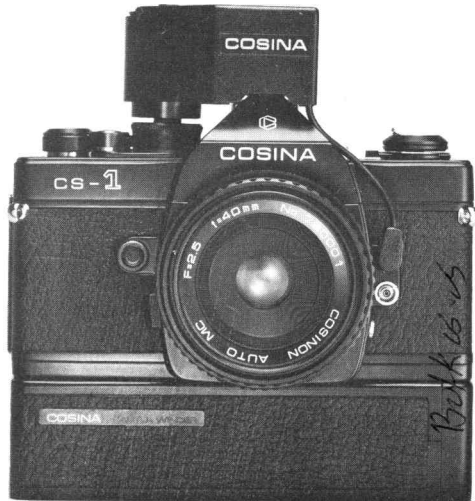
- Ⓘ Benvenuti nel mondo eccitante della COSINA. La Vostra nuova macchina fotografica fa parte di una famiglia di macchine di qualità professionale studiate tenendo presente le esigenze del più serio fotografo. Ed il nome COSINA è l'assicurazione di un'ottica superbamente costruita, e di prestazioni meccaniche eccezionali.


ESPAÑOL

- Ⓒ Bienvenido al mundo emocionante de la Su nueva cámara pertenece a una familia de cámaras de calidad profesional que han sido diseñadas pensando en el fotógrafo serio. Y el nombre COSINA es su garantía de óptica espléndidamente fabricada y de funcionamiento mecánico destacado y de precisión.



COSINA[®] CS-1





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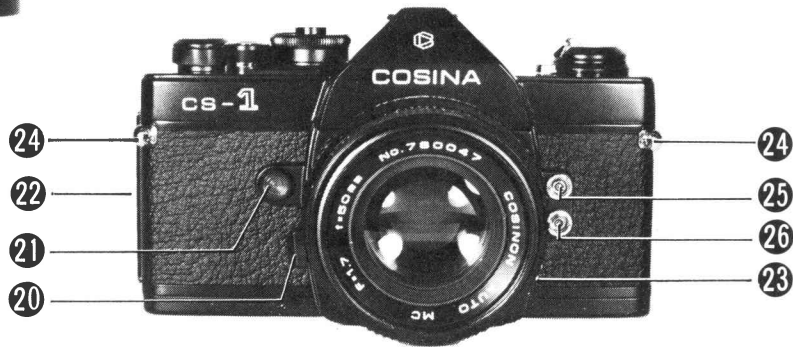
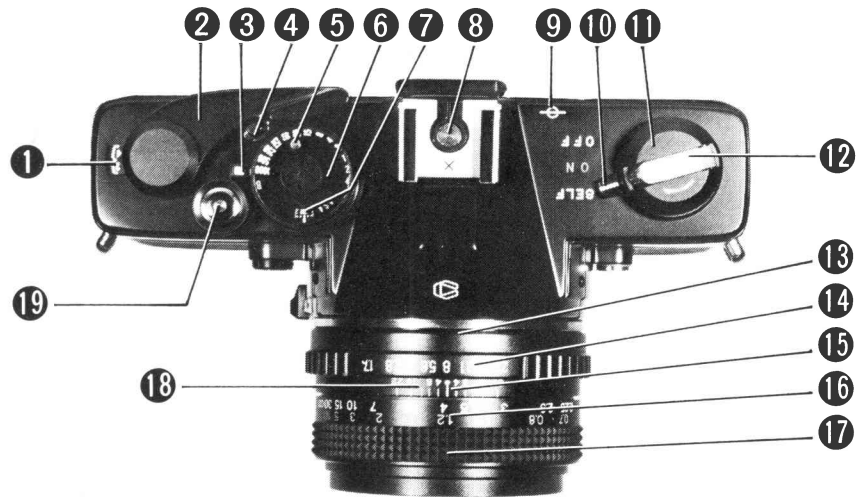
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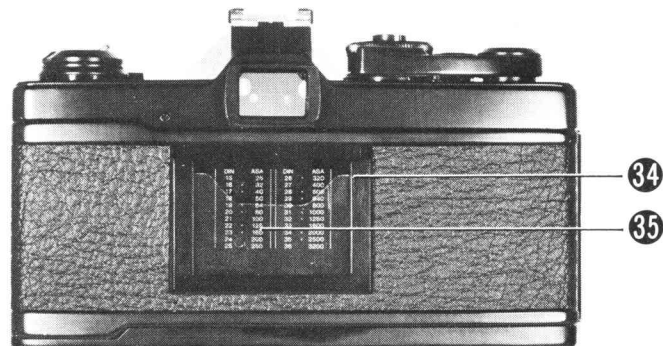
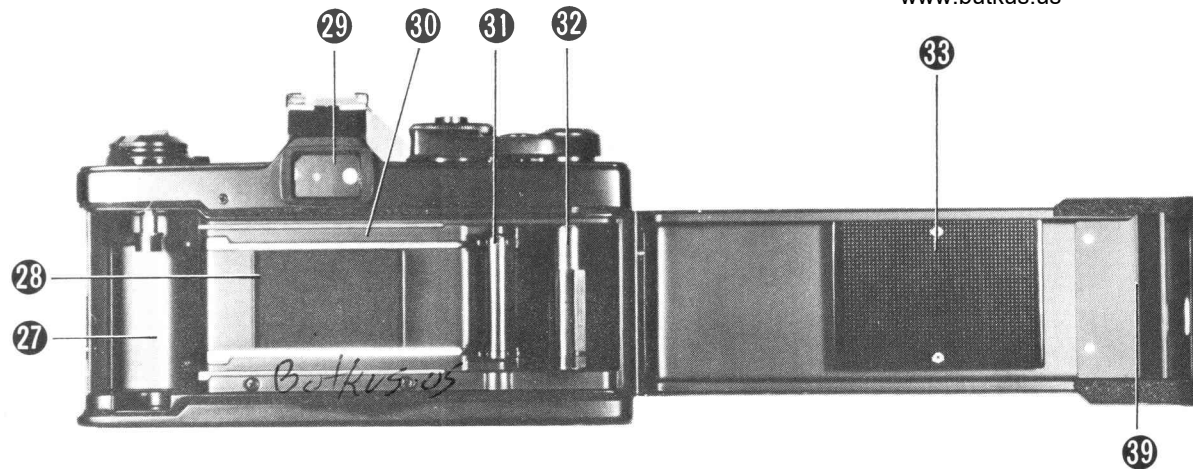
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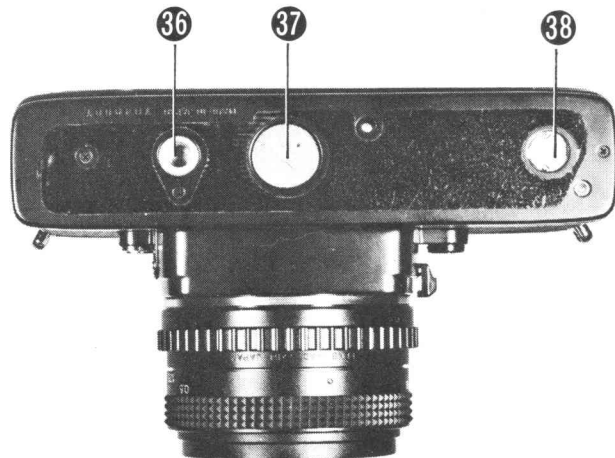
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Description of Controls

1. Exposure Counter Window
2. Film Advance Lever
3. Shutter Speed Index
4. Film Rewind Button
5. Guide Pin
6. Shutter Speed Dial
7. Film Speed ASA Window
8. Hot Shoe
9. Film Plane Reference
10. Main Switch
11. Film Rewind Knob
12. Film Rewind Crank
13. Lens Flange
14. Aperture Ring
15. Aperture/Distance Scale Index Line
16. Depth of Field Scale
17. Focusing Ring/Distance Scale
18. Infrared Mark
19. Shutter Release Button
20. Lens Mount Release Button
21. Selftimer LED
22. Removable Door Hinge
23. Cable/Remote Release Socket
24. Carrying Lugs
25. "A" Cutlet
26. "X" Sync PC Outlet
27. Film Chamber
28. Film Aperture
29. Viewfinder
30. Film Guide Rails



31. Film Advance Sprocket
32. Film Take-up Spool
33. Film Pressure Plate
34. Film Reminder Clip
35. DIN/ASA Conversion Chart
36. Tripod Socket
37. Battery Compartment Cover
38. Auto-winder Coupler
39. Back Cover

POWER SUPPLY

Your CS-1 is powered by two, 1.5 volt silver oxide batteries (Eveready S-76, Mallory MS 76, G 13 or equivalent).

Battery installation

1. Open the battery compartment by unscrewing the battery compartment cover (37) with a coin.
2. Insert the batteries with the positive (+) sides facing you. (Fig.1)
3. Replace the cover and tighten it firmly.

Testing batteries

Test the batteries for sufficient power levels by taking the following procedure:

1. Wind the Film advance Lever (2) if previously not wound.
2. Turn the Main Switch Lever (10) to "ON" position.
3. Depress the Release Button (19) slightly and look into the viewfinder.

One of three LED indicators (two arrows and one dot) for metering located in the upper portion of viewing area (see Fig.5) will illuminate if there is sufficient power. If batteries are below the operational voltage of the camera system, replace them with a fresh set.

NOTE: Turn back the main switch lever to "OFF" position when you are not taking pictures.



Fig1

FILM LOADING

Your CS-1 accepts 35mm, Black & White or Color film standard cassettes.

To load the camera:

1. Press the release button to clear the camera mechanism.
2. Fold out and lift up on the Film Rewind Crank (12) to open the camera back. (Fig.2)
3. Insert the film cassette in the Film Chamber (27), then push down the Film Rewind Knob (11) and turn it slightly to lock the cassette in place.
4. Pull film leader across the Film Aperture (28) and insert the end of leader into one of the slots in the film take-up spool. (Fig.3)

5. With the film rewind crank in the folded out position, rewind the film slightly to remove any slack in the film cassette. Recheck to see that the film remains secured to the take-up spool and that it is properly aligned with the Sprocket (31). Fold down rewind crank.
6. Close the Back Cover (39) until you hear an audible click, which indicates that the cover is locked in the closed position. Advance the film by alternately winding the advance lever and pressing the shutter release button until the number "1" appears in the Film Counter Window (1). As the advance lever is wound, the film rewind knob should rotate, indicating that the film is advancing properly.

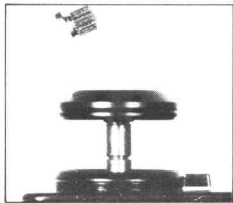


Fig2

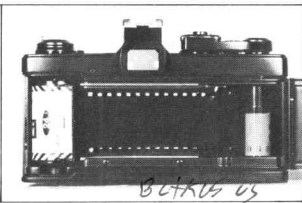


Fig3

SETTING FILM SPEED

For properly exposed photographs, your CS-1's electronically controlled metering system must be set for the correct ASA (or DIN — for DIN equivalents, refer to the DIN/ASA Conversion Chart (35), located on the back of your camera) rating of film you are using.

To set the film speed:

1. Lift the collar on the Shutter Speed Dial (6).
2. Turn the collar until the ASA rating for your film appears in the ASA Window. (Fig.4)
3. Release the collar to lock the setting in place.
4. Insert tab from the end of film box in the film reminder clip, and that reminds you the type of film you are using.

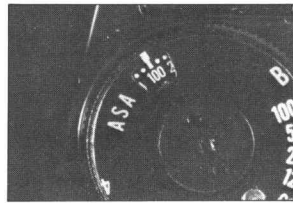


Fig4

SHUTTER SPEED SELECTION

The CS-1 has a shutter speed range of 4 seconds to 1/1000 second, plus "B" (Bulb) for Time Exposures. To set the shutter speed, turn the shutter speed dial until the desired shutter speed is aligned with the Shutter Speed Index (3). When using shutter speeds below 1/30 of a second, it is advisable to use a tripod and a cable release or the exclusive remote controller to eliminate the possibility of vibration due to the camera movement. The CS-1 is equipped with a threaded Cable Release Socket (23) and Tripod Socket (36) for use with these accessories.

TIME EXPOSURES

When making time exposure photographs, your camera should always be tripod-mounted and used with a locking cable release. The CS-1's electronic shutter is capable of time exposures of up to 4 seconds.

For the time exposures of over 4 seconds in duration:

1. Align "B" setting on shutter speed dial with the shutter speed index.
2. Advance the film and press in on tip of cable release to open the shutter. Turn the cable release lock to hold shutter open.
3. After the desired exposure time in seconds has elapsed, release the cable release lock to close the shutter.

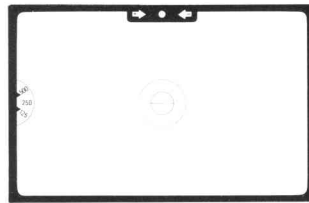


Fig5

FOCUSING THE CAMERA

Your CS-1's focusing screen includes a central horizontal split-image rangefinder, which is surrounded by a microprism collar. (Fig.5)

To focus accurately:

1. Center the split-image rangefinder on your key subject and turn the Focusing Ring (17) until the upper and lower portions of your subject become one, clear vertical image.
2. The surrounding microprism collar will a) appear fragmented when the image is entirely out of focus, b) appear shimmering but viewable when image is nearly in focus and c) appears clear when your subject is in focus. It is especially useful when there are no pronounced vertical lines on your subject, making the use of the horizontal, split image rangefinder difficult.

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3. The entire focusing screen may be used for both focus and composition of your photograph. The human eye tends to ignore minor differences in sharpness. Therefore, the horizontal split image rangefinder and/or the microprism collar should always be used for critical focus when possible.

METERING SYSTEM

Your CS-1 has the open-aperture, TTL center-weighted average, match LED metering system.

Setting the exposure:

1. Advance the film.
2. Set the Main Switch (10) to "ON". (Fig.6)
3. Select a desired shutter speed by rotating the shutter speed dial.
4. Depress the shutter release button quite slightly so that one of the LED indicators in viewfinder illuminates. (Fig.7)
5. The LED indicators will tell you whether the present setting is over, under or correct exposure.
6. When one of the red arrows illuminates, rotate the Aperture Ring (14) of the lens until the green LED between the arrows illuminate, you then have correct exposure. The arrows indicate the direction in which the aperture ring should be rotated.
7. If either red arrow remains illuminating though the aperture ring has been rotated its

full range, change the shutter speed to either slower or faster one according to "+" or "-" marks in the arrows so the green LED illuminates. The shutter speed is indicated in viewfinder. (Fig.8)

When a certain aperture size (F-stop number) is desired because of the depth of field effect (refer to the next paragraph), set the desired F-stop first and turn the shutter speed dial until the green LED illuminates.

NOTE: When both red LEDs illuminate, you have gone beyond the cameras metering range and should, if possible alter the aperture so that a different speed can be used.

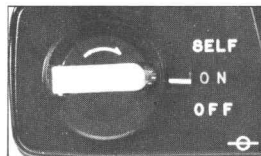


Fig6

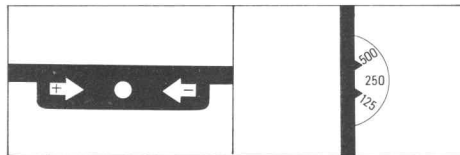


Fig7

Fig8

DEPTH OF FIELD

The aperture setting determines the near and far areas in which items other than your key subject will remain acceptably sharp. This "zone of focus" is referred to as depth of field. Your lens features a depth of Field Scale (16), which allows you to select the zone of focus which will appear in the final photograph. (Fig.9)

Under normal lighting conditions, selecting a larger aperture opening (eg: F2.8 or F4) will allow you to keep your key subject in sharp focus while putting distracting elements in out of focus the foreground or background of your photograph. Under same conditions, selecting a smaller aperture opening (eg: F11 or F16) will bring both near and distant objects in focus. (Fig.10 & 11)

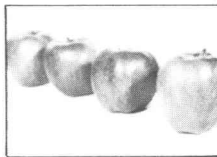
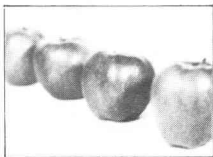


Fig10

Fig11

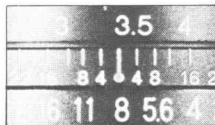


Fig9

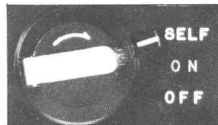


Fig12

SELFTIMER

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The selftimer delays the tripping of the shutter mechanism for approximately 10 seconds, allowing you to include yourself in the photograph when desired. The timed delay function is fully electronic, with a selftimer LED displaying the lapsed time. The camera should be tripod-mounted or placed on a firm support when this feature is used.

To activate the selftimer:

1. Focus and compose photograph.
2. Adjust controls for correct exposure display. (green LED)
3. Turn the main switch lever to "SELF" position. (Fig.12)
4. Press the shutter release button.
5. Position yourself in photograph area within 10 seconds.

NOTE: If you decide not to use the selftimer after setting it, turn back the lever to the original position. Also after photographing with selftimer, turn back the lever to "ON" or "OFF" position unless you intend to take the next one with selftimer.

Mount the eyepiece cover (inserted in hot shoe) on the eyepiece whenever you photograph without looking through the viewfinder.

FLASH PHOTOGRAPHY

The CS-1 is synchronized for electronic flash photography by using either the hot shoe (8) or the "X" Sync PC Outlet (26). With either connection, the shutter should be set at the red 1/60 second marking on the shutter speed dial. When photographing under lighting conditions that require the use of supplementary flash illumination, use an electronic flash unit for consistency of results.

AUTOMATIC EXPOSURE CONTROL

Your Cosina CS-1 is designed for conversion to aperture-preferred automatic operation with the addition of the Cosina AEC adapter. The AEC couples directly to the camera's metering system. In use, the lens is set at the desired aperture, the film advance lever is wound, and the LED metering system is activated by depressing the shutter release button halfway. Operated by its own, independent power supply (a single, 6-volt silver oxide battery), the Cosina AEC adapter responds immediately to the LED metering system's command signal by setting the correct shutter speed. Now, focus and shoot!

(See "INSTRUCTION OF COSINA ACCESSORIES" for more details.)

INTERCHANGING LENSES

Any wide-angle or telephoto, interchangeable lens with K type bayonet mount can be mounted on your CS-1 camera body.

To take off the lens:

1. Push the Lens Mount Release Button (20).
2. Hold the camera and lens body steadily, and rotate the lens body counter-clockwise.
3. Rotating approx. 65 degrees the lens will then become free.

To mount the lens:

1. Join the red index marks both on the camera and lens.
2. Rotate the lens body clockwise until it snaps.

REMOVING FILM

When you have finished exposing the last frame in your film cassette (12, 20, 24 and 36-exposure settings are coded in red on your film counter dial), remove the cassette.

To rewind the film:

1. Push in the Film Rewind Button (4). (Fig.13)
2. Fold out the film rewind crank and turn in direction of arrow.
3. When the crank turns freely (without tension or "drag"), pull up on the crank to

open the camera back. The film counter will automatically reset to zero.

4. Remove the exposed cassette for processing. Insert a fresh roll of film while the camera back is still open, or close the back for storage.

NOTE: Do not load or unload your camera under direct sunlight.

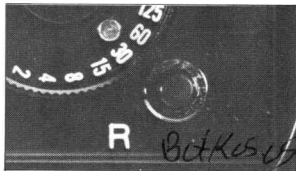


Fig13

CARING FOR YOUR CAMERA

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1. Never force any camera operation. Consult this instruction manual if any questions occur.
2. Remove batteries when storing camera. Batteries can leak as they age, causing damage to your camera. Always inspect the batteries for signs of leakage before installing them in your camera.
3. Keep the lens cap on when not taking photographs. The cap protects your lens from dust or dirt particles.
4. Clean your camera's interior. Periodically remove any dust or film particles from the film chamber, rear lens element, take-up spool area or film pressure plate with an air blower. Inspect film pressure plate for accumulated deposits from film backing, and clean with lens cleaner and tissue if required.
5. Keep your camera and film away from direct sunlight or heat. Never store your camera or film on the rear window deck, glove compartment or other hot areas in your car.
6. Protect your camera from moisture. Do not store your camera in a moisture-retaining enclosure or environment. In areas of high humidity, extra care should be taken to insure that your camera is kept in a comparatively cool, dry location.
7. Do not touch shutter curtain.

E SPECIFICATIONS

Camera Type:	35mm electronic single lens reflex camera with TTL, open-aperture, exposure balance system
Film Format:	24mm x 36mm
Lens Mount:	K type bayonet mount
Shutter:	Flange back focus distance: 45.44mm Magnetically controlled cloth curtain focal plane shutter with shutter speed from 4 to 1/1000 sec. and B (Bulb) Flash (X) synchronisation at 1/60 sec. Electrically controlled selftimer of 10-second duration with flickering lamp
Viewfinder:	Fixed pentaprism type Magnification: 1 X (with f=55mm lens) Dioptr: -0.9 Field of view: 93% for both horizontal and vertical Focusing with horizontal split-image center with surrounding micropism collar on matt fresnel screen Informations: Optimum, over and underexposures and relative shutter speed
Metering System:	TTL, open-aperture, match LED metering system. (aperture preferred when used with AEC adapter) Average metering (centerweighted) with two CdS cell metering range: EV2 - EV19 (ASA 100)
Film Speed range:	ASA 25 - 3200
Film Advance:	135° rotation of wind lever with standoff angle of 30°
Shutter Release:	Electrically controlled solenoid switch
Film Counter:	Progressive type Automatically resets when camera back is opened.
Power Source:	2 X S-76 (or MS 76 or G 13) 1.5-Volt silver oxide battery Battery test with LEDs in viewfinder
Rear Cover:	Removable hinge type
Dimensions:	136.5 x 83.2 x 51mm
Weight:	530 gm.
Attachable accessories:	Cosina AEC adapter, Cosina auto-winder