

**FLASHING CREATIVE EXPOSURE MODES**





In A, S, and M modes, when you raise the built-in flash or attach and activate an accessory flash, the flash will fire every time you take a picture. The camera's TTL flash metering system will control the flash output to provide a *proper exposure as long as you are within flash range* (for built-in flash, see p.45). Usable shutter speeds are limited to those slower than the camera's flash-sync speed.

<b>EXPOSURE MODE</b>	<b>USABLE SHUTTER SPEEDS WITH FLASH</b>
A	1/90 sec. (set automatically)
S	1/90 - 1/60 sec. (set automatically)
M	1/90 - 30 sec. plus BULB (set manually)

# FOCUS DETAILS

## FOCUS SIGNALS

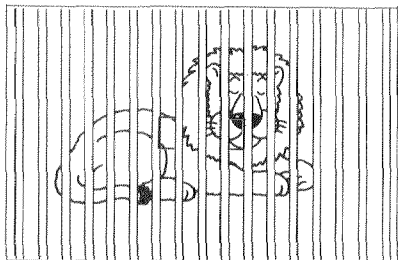
When you press the shutter-release button partway down, the camera will focus automatically and one of the signals below will appear in the viewfinder data panel. In autofocus mode, the shutter will not release until the camera confirms focus. This will help you avoid accidentally taking out-of-focus pictures. When you focus the lens manually, only the first signal described below will appear, and the shutter will release even if your subject is not focused.

	Focus is confirmed and locked
	Focus is not possible (shutter locked)*
	Continuous autofocus, focus is confirmed
	Continuous autofocus, lens focusing (shutter locked)

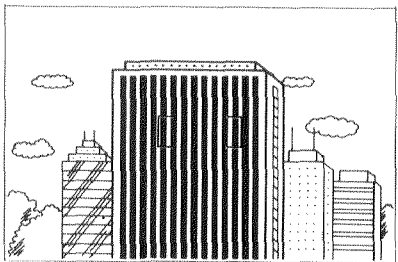
\*The camera may not be able to focus because your subject is one of those described on the next page or because you are too close for your lens to focus. Check your lens manual for the minimum focusing distance of your lens.

## SPECIAL FOCUSING SITUATIONS

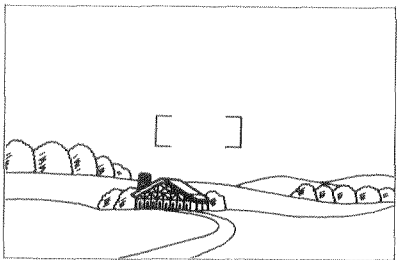
In the situations described below, it may be difficult or impossible for the camera to autofocus properly — you may have to use focus lock (p.39) or manual focus (p.40).



If two subjects at different distances overlap within the focus frame.



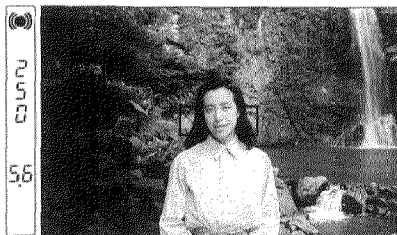
If a subject composed of alternating light and dark lines completely fills the focusing frame.



On very bright or low-contrast subjects

## FOCUS LOCK

If you want to take a picture with your main subject outside the focus frame, first lock focus on your subject, then recompose the scene as you wish.



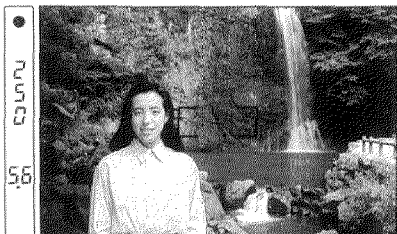
1. Place your subject in the center of the focus frame.

2. Press and hold the shutter-release button partway down.

3. Wait for the focus-lock signal ● to appear in the viewfinder data panel.

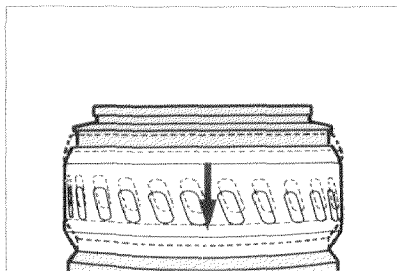
4. Recompose your picture and press the shutter-release button all the way down to take the picture.

● Focus will not lock if your subject is moving.



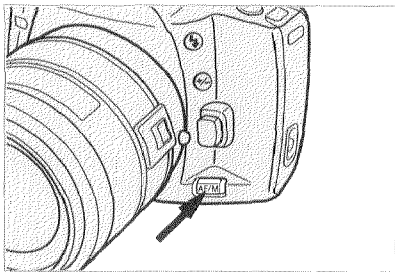
### Focus Lock With The Lens Control Ring:

If you are using an xi-Series or power zoom lens, you can lock focus by pulling the lens control ring towards the camera. Hold it in this position while you recompose and take the picture. Do not turn the ring after you lock focus.



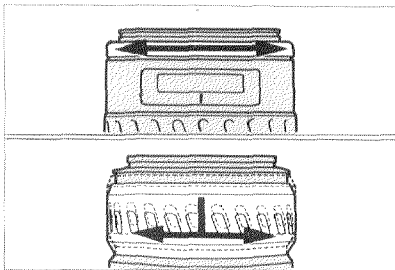
## MANUAL FOCUS

To focus the lens manually:



1. Press the focus-mode button to set the camera to manual focus mode.

● **M. FOCUS** will appear in the data panel.



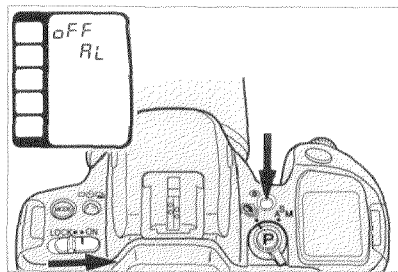
2. If you are using an AF lens, turn the focusing ring until the subject appears sharp. If you are using an xi-Series lens or AF power zoom lens, pull and turn the lens control ring.

- The focus indicator will light when the subject is in focus.
- To return to autofocus mode, press the focus-mode button again.
- The camera will return to autofocus mode if you press the program re-set button.
- In manual focus mode, you will be able to take a picture even if the subject in the focus frame is not in focus.

## AF ILLUMINATOR

If the flash is raised and the camera detects that the scene is too dark to focus accurately, the flash will automatically fire a short stroboscopic burst before and after the lens focuses. This provides the light necessary for the camera to detect and focus on your subject.

### To Turn the AF Illuminator On/Off:



Press and hold the flash-mode button while you turn the camera on — **OFF AL** will appear in the data panel. To turn the AF illuminator on, repeat this procedure — **ON AL** will appear in the data panel.





- The range of the AF illuminator flash is approximately 1-5m (3.3-16 ft.).

# FLASH DETAILS

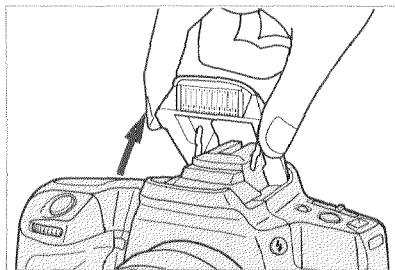


## FLASH SIGNALS

In all exposure modes, including all Subject Programs, the flash indicators in the viewfinder data panel will provide the following information about the built-in flash or an attached accessory flash.

	Lighting conditions require flash. Raise the built-in flash or attach an accessory flash.
	Built-in flash is raised or accessory flash is on and charging
	Flash is charged and will fire when the shutter-release button is pressed
	<i>(After taking picture) Flash output was sufficient to provide a correct exposure</i>

## BUILT-IN FLASH



The built-in flash provides coverage for lens focal lengths as short as 28mm. The flash output is controlled automatically by the camera's flash metering system. To activate the built-in flash, gently raise it; to turn it off, press it down.

- If you use the built-in flash with lenses wider than 28mm, the edges of your pictures will be dark.
- Do not take pictures closer than 1m (3.3 ft.) with the built-in flash.
- Do not use a lens hood when you use the built-in flash.

### CAUTION

- Shadowing may occur in the bottom of your pictures if you use the built-in flash with some Minolta AF lenses. Before using any of the lenses listed below, check with the nearest Minolta Service facility for the conditions of their use.

AF Zoom 28-70mm f/2.8  
AF Zoom 28-85mm f/3.5-4.5

AF Zoom 28-135mm f/4-4.5  
AF Zoom xi 35-200mm f/4.5-5.6

- The following lenses cannot be used under any conditions with the built-in flash:

AF 300mm f/2.8 Apo

AF 600mm f/4 Apo

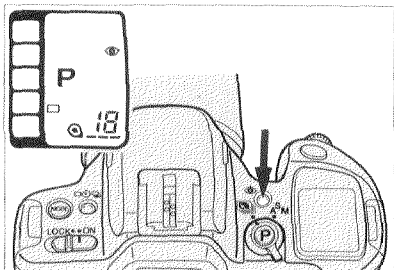
## FLASH RANGE

The range of the built-in flash changes depending on the film speed and lens aperture you are using. If your subject is outside the respective range given below, it may be underexposed; if inside this range, it may be overexposed.

APERTURE	ISO 100	ISO 400
f/2.8	1 - 4.2m (3.3 - 13.8 ft.)	1 - 8.4m (3.3 - 27.5 ft.)
f/4	1 - 3m (3.3 - 9.8 ft.)	1 - 6m (3.3 - 19.7 ft.)
f/5.6	1 - 2.1m (3.3 - 6.9 ft.)	1 - 4.2m (3.3 - 13.8 ft.)


## RED-EYE REDUCTION

Photographs of people sometimes suffer from an effect called “red-eye”. This is caused by light from the flash reflecting off the inside of the person’s eye. To minimize the appearance of red-eye, your camera has a feature called “Red-Eye Reduction”. When you select this function and take a flash picture, the flash will fire several times before the shutter opens. The light from the pre-flash causes the pupils in your subject’s eyes to close, effectively eliminating red-eye.



### To Select Red-Eye Reduction:

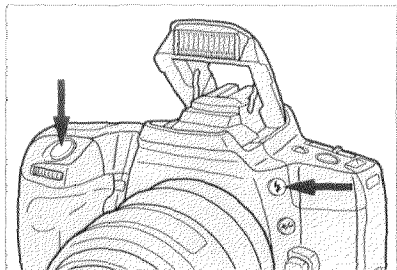
Press the flash-mode button.

- The red-eye indicator  will appear in the camera data panel.
- Before you take a picture with red-eye reduction, warn your subject that the flash will fire several times before the picture is taken.

To cancel red-eye, press the flash-mode button again.

## MANUAL FILL-FLASH IN P MODE

In extremely bright conditions, such as at the beach or on snow, you may find harsh shadows in and around your subject. In this case to fill-in the shadows, or whenever you want the flash to fire in P mode, use manual fill-flash.



### **To Select Manual Fill-Flash:**

Press and hold the flash control button while you take the picture.

## WIRELESS/REMOTE OFF-CAMERA FLASH CONTROL (5400HS, 5400xi, 3500xi)



Normal Flash



Wireless/Remote Flash



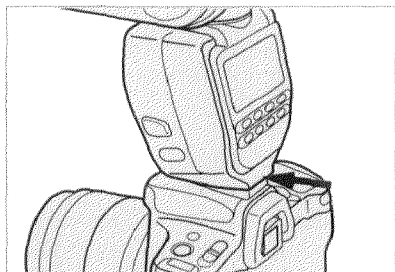
Wireless/Remote Ratio Flash

One of the keys to creative photography is experimenting with light. Wireless/remote flash mode gives you the ability to explore the flexibility of off-camera flash control with unprecedented ease. With wireless/remote flash, you will find the freedom to create unique and exciting images without a tangle of accessory cords and connectors.

In wireless/remote flash mode with specified flash units, the off-camera flash is triggered by a coded signal from the camera's built-in flash when you press the shutter-release button. Another signal stops it once the camera's TTL flash meter detects that the proper exposure has been received.

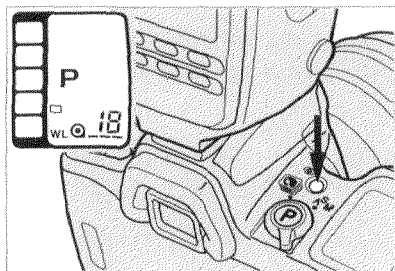
You can also obtain a 2:1 lighting ratio automatically. When selected, the off-camera flash provides 2/3 of the full exposure and the camera's built-in flash adds the remaining 1/3.

**NOTE:** Because the signal that fires the off-camera flash is a small burst from the built-in flash, reduce the brightness of your surroundings as much as possible when you use wireless/remote flash.

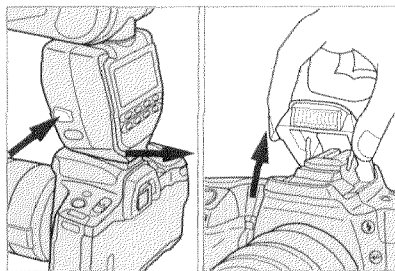


### To Set Wireless/Remote Flash Mode:

1. Attach the flash (5400HS, 5400xi, or 3500xi) to the camera and turn both on.



2. Press the camera's flash-mode button — **WL** will appear in the data panel and the flash will be set automatically to wireless/remote mode.

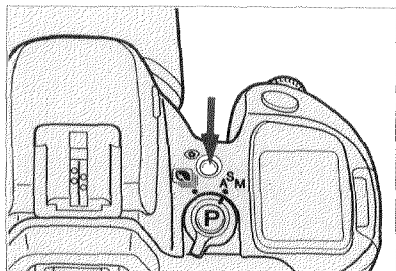


3. Remove the accessory flash and raise the camera's built-in flash.

## WIRELESS/REMOTE OFF-CAMERA FLASH CONTROL

### To Use Wireless/Remote Flash:

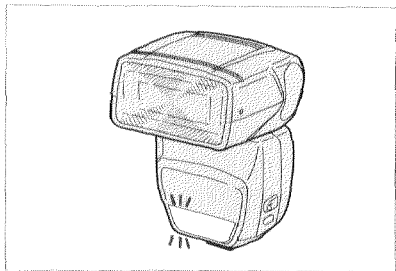
1. Position the accessory flash and the camera according to the chart and diagram in the flash manual. If you are using a 3500xi off-camera, refer to the information on page 51.



2. Wait until both the off-camera flash and built-in flash are charged, then press the flash-mode button to test-fire the off-camera flash. Wait until both flashes are fully charged.

3. Press the shutter-release button all the way down to take the picture.

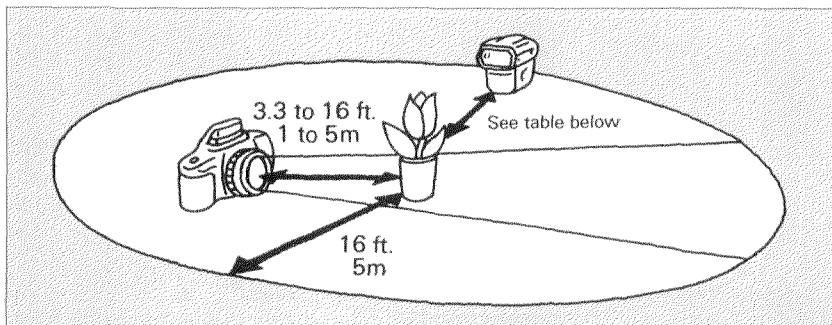
● The flash's AF illuminator will blink when the flash is charged.



- When the 5400HS is set to modeling flash in wireless/remote flash mode, pressing the camera's flash-mode button will also activate modeling flash.
- The flash mark in the viewfinder data panel will blink if the flash output was sufficient to provide a correct exposure.
- In wireless/remote flash mode, the shutter speed is automatically set to 1/45 sec. or slower.
- An accessory flash (5400xi or 5400HS) or Wireless/Remote Flash Controller cannot be used as the on-camera control unit.



Use the information on this page to position your camera and 3500xi flash unit. If you are using another flash unit off-camera, refer to that flash unit's owner's manual.



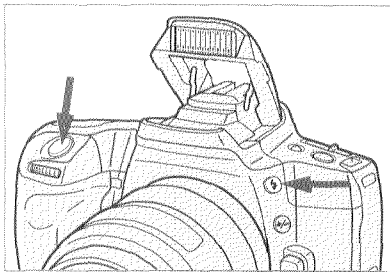
APERTURE	CAMERA-SUBJECT DISTANCE m/ft.		3500xi-SUBJECT DISTANCE m/ft.	
	ISO 100	ISO 400	ISO 100	ISO 400
f/2	2.5m / 6.6-16.4 ft.	4.5m / 13.2-16.4 ft.	1.4-5m / 4.6-16.4 ft.	2.8-5m / 9.2-16.4 ft.
f/2.8	1.4-5m / 4.6-16.4 ft.	2.8-5m / 9.2-16.4 ft.	1.5m / 3.3-16.4 ft.	2.5m / 6.6-16.4 ft.
f/4	1.5m / 3.3-16.4 ft.	2.5m / 6.6-16.4 ft.	0.7-4.5m / 2.3-14.4 ft.	1.4-5m / 4.6-16.4 ft.
f/5.6	1.5m / 3.3-16.4 ft.	1.4-5m / 4.6-16.4 ft.	0.5-3.2m / 1.6-10.6 ft.	1.5m / 3.3-16.4 ft.
f/8	1.5m / 3.3-16.4 ft. (1-3.8m / 3.3-12.5ft.)*	1.5m / 3.3-16.4 ft.	0.35-2.25m / 1.2-13.1 ft.	0.7-4.5m / 2.3-14.4 ft.
f/11	1.5m / 3.3-16.4 ft. (1-2.7m / 3.3-8.8 ft.)*	1.5m / 3.3-16.4 ft.	0.25-1.6m / 0.8-5.3 ft.	0.5-3.3m / 1.6-10.9 ft.

\*Values in parentheses for wireless/remote ratio control.

● The off-camera flash may not detect the control signals if it is placed behind the subject or if the AF illuminator is not pointing at the subject.

## WIRELESS/REMOTE OFF-CAMERA FLASH CONTROL

### WIRELESS/REMOTE RATIO CONTROL



In remote/wireless mode when ratio control is selected, the output of the off-camera flash and built-in flash combine to provide a 2:1 lighting ratio. Press and hold the flash-control button, then press the shutter-release button all the way down to take the picture. The off-camera flash will provide 2/3 of the exposure and the built-in flash will add the remaining 1/3.

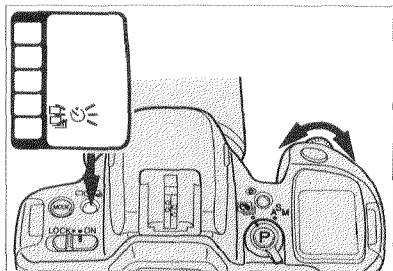
### CANCELING WIRELESS/REMOTE FLASH MODE

- To cancel wireless/remote flash mode, attach the flash and press the flash-mode button.
- To cancel wireless/remote flash mode on the 3500xi separately from the camera, first turn the flash off. Then, press the ON/OFF button to turn the flash on and hold the button until the wireless lamp turns off.
- To cancel wireless/remote flash mode on other flash units, refer to your flash owner's manual.


# ADDITIONAL FEATURES

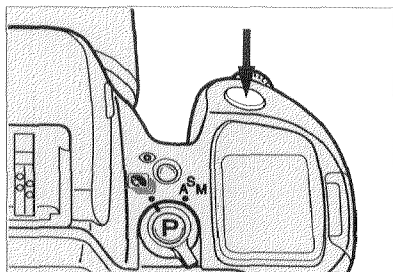
## SELF-TIMER

The self-timer will delay shutter release for 10 seconds, giving you time to get in the picture.

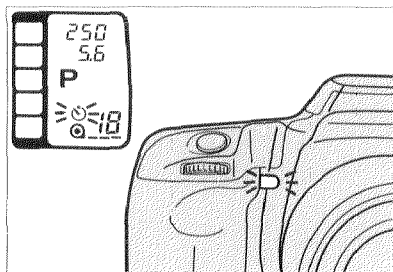


1. Press and hold the self-timer/  
drive-mode button.

2. Turn the control dial until the self-  
timer indicator  blinks.



3. Compose your scene and press  
the shutter-release button to start  
the timer.



● The self-timer lamp on the front of  
the camera will blink until the shut-  
ter releases.

● After the picture is taken, the self-  
timer is canceled.

● To cancel the self-timer at any  
time, slide the main switch to LOCK.

## PROGRAM RE-SET BUTTON

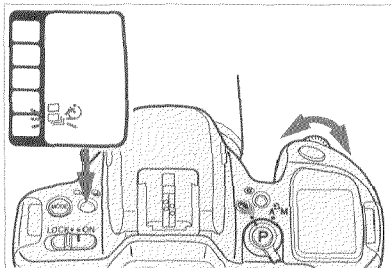
The program re-set button is a quick way for you to return the camera to Full-Auto Operation. Whether the Command switch is set to Subject Program mode or Creative Exposure mode, pressing the program re-set button will set the camera to the following:

FUNCTION	P-MODE SETTING
Exposure mode	P mode
Focus mode	Autofocus
Flash mode	Auto-on (if raised)
Exposure compensation	$\pm 0$
Film drive mode	single-frame advance
Self-timer	canceled
Wireless/Remote Flash	canceled


- Red-eye reduction and AF illuminator settings will not change.

## CONTINUOUS FILM DRIVE

Your camera has both single-frame and continuous film advance. In continuous drive mode, the film advances at up to 1 frame per second as long as you press the shutter-release button. In addition, the camera checks and adjusts focus between each exposure so you can track moving subjects with ease.



1. Press and hold the self-timer/  
drive-mode button.

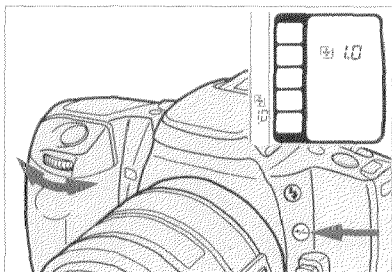
2. Turn the control dial until the con-  
tinuous-drive indicator  blinks in  
the data panel.

3. Focus on your subject and press the shutter-release button. The camera will continue to photograph and advance the film as long as you hold the shutter-release button down.

- Your camera has focus-priority shutter-release. This means it will not take a picture unless it can confirm focus. For this reason, the actual rate of advance will depend on the speed of your subject.
- If you use an AF Zoom xi lens or AF Power Zoom lens, you cannot zoom the lens while pressing the shutter-release button.

## EXPOSURE COMPENSATION

This feature enables you to manually adjust the camera's meter reading up to  $\pm 3$  stops.

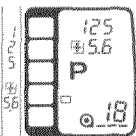


1. Press and hold the exposure-compensation button.

2. Turn the control dial until the exposure compensation value you want appears in the data panel.

- The numbers will change in increments of 0.5.

3. Release the exposure compensation button to enter the number.



- The number will disappear, but  $\pm 0.5$  or  $\pm 1.0$  will remain in the data panels as a reminder that you have set exposure compensation.

- To cancel exposure compensation, perform the above procedure and select 0.0.

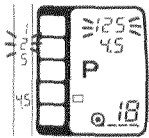
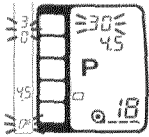
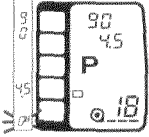
- In M mode, the metered "correct" exposure will be adjusted by the amount you select. In all other modes, including all Subject Programs, the camera will change the actual exposure automatically by the amount you select.

# APPENDIX



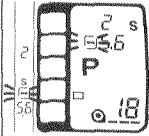
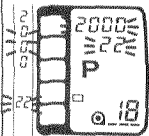
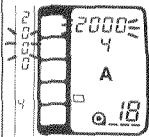
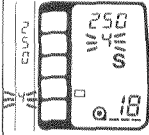
## CAMERA-SHAKE WARNINGS

When the shutter speed display and/or flash-on indicator blinks, refer to this table to determine the possible cause.

Mode	Display	Meaning	Solution
P or A	 The LCD display shows a vertical scale on the left with markings at 1/500, 1/250, 1/125, 1/60, 1/30, 1/15, 1/8, 1/4, and 1/2. The shutter speed is 1/25, which is below the 1/30 mark. The aperture is 4.5. The mode is P. A red warning icon (a square with a diagonal line) is visible. The battery level is at 18%.	Shutter speed is too long for the focal length of the lens you are using; camera shake will effect the picture.	Use a tripod or steady the camera
P	 The LCD display shows a vertical scale on the left with markings at 1/500, 1/250, 1/125, 1/60, 1/30, 1/15, 1/8, 1/4, and 1/2. The shutter speed is 1/30, which is at the 1/30 mark. The aperture is 4.5. The mode is P. A red warning icon (a square with a diagonal line) is visible. The battery level is at 18%.	Light level requires flash	Use flash
P	 The LCD display shows a vertical scale on the left with markings at 1/500, 1/250, 1/125, 1/60, 1/30, 1/15, 1/8, 1/4, and 1/2. The shutter speed is 1/30, which is at the 1/30 mark. The aperture is 9.0. The mode is P. A red warning icon (a square with a diagonal line) is visible. The battery level is at 18%.	Subject is back-lit and flash is required	Use flash

## EXPOSURE WARNINGS

When the shutter speed and/or aperture display blinks, refer to this table to determine the possible cause.

Mode	Display	Cause	Action
P / A / S / M		Scene or subject brightness is beyond the camera's metering range.	In bright light, attach a neutral-density (ND) filter, use slower film, or reduce the overall brightness of your surroundings. In low light, select M mode and use a hand-held meter, use faster film, or increase the brightness of your surroundings.
P		Light level is beyond the range of available shutter speeds and apertures.	
A		Required shutter speed beyond the range of the camera.	Select a larger/smaller aperture until the display stops blinking.
S		Required aperture beyond the range of the lens.	Select a faster/slower shutter speed until the display stops blinking.

## TROUBLE-SHOOTING

Refer to this table to determine the cause of a problem with your camera. If the information here does not cover the problem you are experiencing, contact your nearest MINOLTA Service Facility.

PROBLEM	CAUSE	SOLUTION
No display in the data panel when the camera is switched on.	<ul style="list-style-type: none"><li>● Battery exhausted</li></ul>	<ul style="list-style-type: none"><li>● Install a fresh battery</li></ul>
-- appears in the data panel's aperture display.	<ul style="list-style-type: none"><li>● Lens not attached correctly</li><li>● Contacts on camera and/or lens are dirty</li></ul>	<ul style="list-style-type: none"><li>● Attach the lens so that it locks in place with a click</li><li>● Clean contacts with a clean, dry cloth</li></ul>
HELP displayed in the body data panel.	<ul style="list-style-type: none"><li>● Winding motor problem</li></ul>	<ul style="list-style-type: none"><li>● Remove and reinstall the battery.</li></ul>
Autofocus does not work or the lens does not focus when the shutter-release button is pressed.	<ul style="list-style-type: none"><li>● Camera set to manual focus</li><li>● Subject or situation difficult to autofocus</li><li>● Subject is too close for the lens to focus</li></ul>	<ul style="list-style-type: none"><li>● Set the camera to autofocus mode</li><li>● Focus manually or use focus lock</li><li>● Check the lens manual for the lens' minimum focus distance</li></ul>
Flash fires when shutter-release is pressed partway down	<ul style="list-style-type: none"><li>● AF illuminator</li></ul>	<ul style="list-style-type: none"><li>● Not a problem</li></ul>
Shutter locks	<ul style="list-style-type: none"><li>● Camera cannot confirm focus</li><li>● Camera is attached to telescope</li></ul>	<ul style="list-style-type: none"><li>● Focus manually or lock focus</li><li>● Contact the nearest Minolta Service Facility for information</li></ul>
Pictures taken with flash are dark or shadowed	<ul style="list-style-type: none"><li>● Subject is outside flash range</li><li>● Lens hood is attached to the lens</li><li>● Lens is not suitable for use with built-in flash</li></ul>	<ul style="list-style-type: none"><li>● Move closer to your subject (see p.45)</li><li>● Do not use a lens hood with built-in flash</li><li>● See p.44</li></ul>

## CARING FOR YOUR CAMERA

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### PRECAUTIONS

- No part of the camera should be forced at any time.
- Do not use Polaroid instant film or infrared film with this camera.
- Never subject your camera to shock, high heat, humidity, water, or harmful chemicals. Do not leave it in the glove compartment or other places in motor vehicles where it may be subjected to high temperatures.
- Do not wipe the camera's lens mount with alcohol or benzene.
- Never lubricate any part of the camera body or lens.
- Never touch the shutter curtains, mirror, or camera interior or clean them with compressed air. Doing so may impair their alignment and movement.
- This camera is not waterproof, dust-proof or sand-proof. If you use this camera near water or at the beach, water-, dust-, or sand-damage may occur. Protect it at all time from moisture or splashes, especially saltwater spray, and be extremely careful to keep sand from both the interior and exterior of the camera and its accessories.
- If the camera is subjected to a sudden change in temperature, as when transferring it from a cold environment into a heated building, condensation may form inside. To prevent condensation, place the camera in a sealed plastic bag before transferring it from a cold place to a warm environment, and wait for it to come to room temperature before taking it out of the bag.
- The flashtube may become hot when the flash fires. Be sure to leave sufficient space around the flash tube during operation.
- The operating range for camera's data panel is from  $-20$  to  $50^{\circ}\text{C}$  ( $-4$  to  $122^{\circ}\text{F}$ ). At temperatures outside this range, response time and contrast will change, making the display difficult to read. At very high temperatures, a display may temporarily darken. If this occurs, the display should return when the camera is restored to operating range conditions.
- This camera contains no user-serviceable parts. Do not attempt to disassemble or repair the camera yourself.
- This camera's circuitry may switch off, even when a battery with sufficient power is installed. To resume operation, remove and reinstall the battery.

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## CLEANING

- External camera surfaces and lens barrel — but not glass surfaces — can be cleaned by wiping with a dry or silicone-treated cloth. Never use organic solvents to clean the camera.
- Never touch the lens or eyepiece surfaces with your fingers. Whisk away loose matter with a blower brush. To remove stubborn spots, use a sheet of photographic lens tissue. If necessary, tissue may be moistened with one drop of lens-cleaning fluid; never place fluid directly on glass surfaces.
- We recommend that you have your camera cleaned once a year at an authorized MINOLTA Service Facility.
- If your camera comes in contact with water, wipe it with a clean, dry cloth and bring it to an authorized MINOLTA Service Facility. If it comes in contact with sand or if sand enters the camera, gently blow away loose particles — wiping may scratch the camera— and bring it to an authorized MINOLTA Service Facility.

## STORAGE

- Always keep your camera in its case with the lens capped when not in use, or with a body cap on when a lens is not attached.
- If you plan to store your camera for an extended period of time, rewind and remove the film, then remove the battery. Place the camera in a cool, dry place away from dust or chemicals, preferably in an airtight container with a drying agent such as silica gel. Also, it is recommended that you periodically release the camera's shutter to maintain proper working condition.
- After prolonged storage, and especially before taking pictures at an important event, carefully check the operation of the camera and lens.

## QUESTIONS AND SERVICE

- If you have questions about your camera, contact your local camera dealer. For more information, write to the MINOLTA distributor or subsidiary in your area (addresses listed on the back of this manual).
- To assure prompt service, please contact an authorized MINOLTA Service Facility before shipping your camera for repairs.

## TECHNICAL DETAILS

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**Type:** 35mm SLR with built-in flash and expert control of autofocus (AF) and autoexposure (AE)

**Lens Mount:** Minolta A-type bayonet mount

**AF System:** Minolta's through-the-lens (TTL) phase-detection system with one CCD sensor; activated by pressing the shutter-release button partway down; predictive focus control for moving subjects; AF sensitivity range: EV -1 to 18 (at ISO 100 in ambient light); built-in flash fires automatically when raised in low-light to aid focusing; AF illuminator range: 1-5m (based on Minolta's standard test methods); focus lock available; manual focus selectable

**Metering:** TTL-type; 8-segment honeycomb-pattern silicon photocell (SPC); automatically activated by pressing the shutter-release button partway down; second SPC for TTL flash metering of built-in flash or other dedicated flash unit; metering range: EV 1 - 20 (ISO 100, f/1.4 lens)

**Exposure Modes:** Programmed AE (P mode): Automatic control of aperture and shutter speed depending on lens specifications and scene characteristics; Subject Programs: portrait, landscape, close-up, sports, and night portrait shooting modes

Aperture-priority AE (A mode): Any available aperture in 0.5 EV increments; shutter speeds set from 1/2000 to 30 sec. automatically by autoexposure program

Shutter-priority AE (S mode): Any shutter speed from 1/2000 to 30 sec. selectable in 1 EV increments; aperture set automatically by autoexposure program

Manual (M mode): Any shutter speed/aperture combination selectable; correct and over-/under-exposure indicated in viewfinder; BULB setting also selectable

**Built-In Flash:** Guide number 12 (in meters at ISO 100); flash coverage for 28mm field of view; recycling time: Approx. 2 sec. (power supplied by camera); pre-flash for red-eye reduction and remote/wireless off-camera flash control available

**TTL Flash Metering:** Operates in all flash modes with built-in flash and dedicated flash unit; x-sync shutter speed automatically set when flash-on indicator appears in viewfinder; in Night Portrait mode slow shutter speed automatically set to balance background exposure with flash

Subject Program Modes, P and S Modes: Aperture and shutter speeds set automatically; built-in and attached accessory flash fires automatically when necessary, except Night Portrait and S mode (fires whenever activated)

A Mode: Any available aperture selectable; shutter speed automatically set to 1/90 sec.; built-in and attached accessory flash will fire when activated

M mode: Any shutter speed 1/90 or slower and any available aperture usable; built-in and attached accessory flash will fire when activated

Remote/wireless off-camera flash control: Built-in flash fires control code to trigger and stop specified accessory flashes; 2:1 flash ratio manually selectable; flash sync in remote/wireless mode: 1/45 sec.; flash sync in ratio control: 1/45 sec.; control range: 5m

**Film-Speed Setting:** Automatic setting for DX-coded films ISO 25 - 5000; Recommended range with flash: ISO 25 - 1000

**Exposure Compensation:**  $\pm 3$  EV (0.5 EV increments)

**Shutter:** Electronically-controlled, vertical-traverse, focal-plane type; Range: 1/2000 to 30 sec., bulb; flash sync: 1/90 sec. or slower

**Film transport:** Automatic with built-in motor drive; auto threading; auto advance to first frame; single-frame or continuous advance; automatic rewind or manual start of rewind; frame counter in body data panel

**Viewfinder:** Eye-level fixed pentaprism; field of view: 90%; magnification: 0.75 (with 50mm lens at infinity); -1 diopter

**Self-Timer:** Electronic with approx. 10-sec. delay; indication by blinking LED

**Power:** 6-volt 2CR5 lithium battery; Automatic battery check when camera is turned on; Battery condition indicated by four-stage indicator in body data panel

**Dimensions:** 147.5 x 92.5 x 66.5mm (5-13/16 x 3-5/8 x 2-5/8 in.)

Date model: 147.5 x 92.5 x 67.5mm (5-13/16 x 3-5/8 x 2-11/16 in.)

**Weight (without lens and battery):** 380g (13.4 oz.)

Date model: 385g (13.6 oz.)

Specifications and accessories are based on the latest information available at the time of printing and are subject to change without notice.

## ACCESSORY INFORMATION

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### LENS

- All Minolta AF lenses can be used with this camera.
- Manual focus lenses (MD or MC) cannot be attached to the camera.

### FLASH

- All Minolta i-, xi-, and HS-Series flash units can be used with this camera.
- To use an AF-Series flash unit, Flash Shoe Adapter FS-1100 must be attached to the camera. When the camera is set to P mode and the flash is on, the flash will fire each time you take the picture. At no time will the flash's AF illuminator activate.
- X-Series flashes cannot be used.

### OTHERS

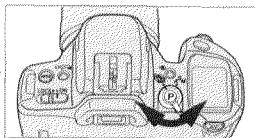
- Creative Expansion Cards cannot be used.
- Angle Finder and Magnifier cannot be used.



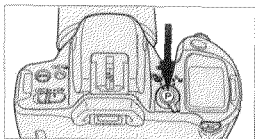
# QUICK REFERENCE GUIDE

When you want to ...

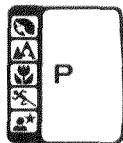
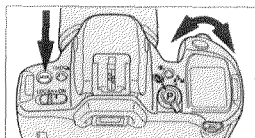
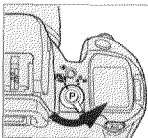
Change camera's operating mode



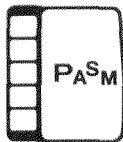
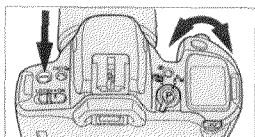
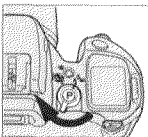
Re-set to Full-Auto mode



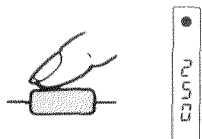
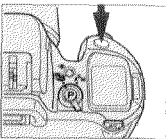
Select a Subject Program mode



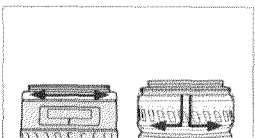
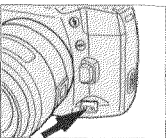
Select a Creative Exposure mode



Lock focus

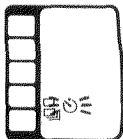
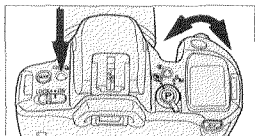


Focus manually

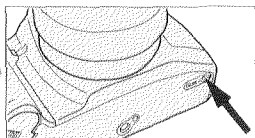


## QUICK REFERENCE GUIDE

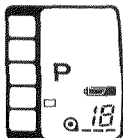
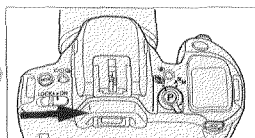
Set self-timer



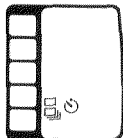
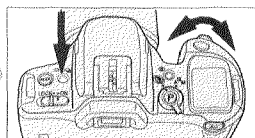
Rewind film



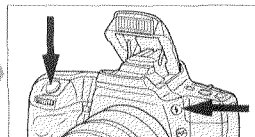
Check battery



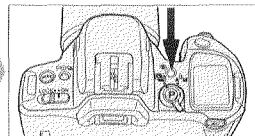
Change drive modes



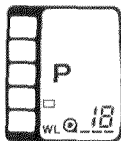
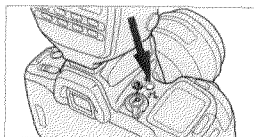
Fire flash manually in Full-Auto mode



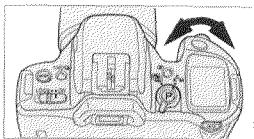
Set/cancel red-eye reduction



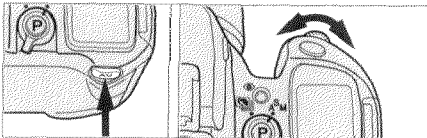
Set wireless/remote off-camera flash mode



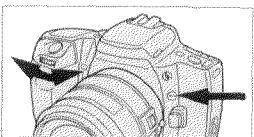
Change the shutter speed in S and M mode or aperture in A mode



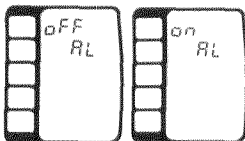
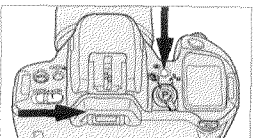
Change aperture in M mode

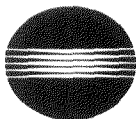


Set exposure compensation



Turn AF illuminator on/off





# MINOLTA

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