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DIGITAL CAMERA

MX-2900 ZOOM

2.3
MEGA
PIXELS



This manual will show you how to use your FUJIFILM DIGITAL CAMERA MX-2900 ZOOM correctly. Please follow the instructions carefully.

OWNER'S MANUAL

Getting Ready 1

Basic Photography 2

Advanced Features 3

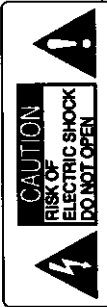
Advanced Features Playback 4

Other 5



Warning

To prevent fire or shock hazard, do not expose the unit to rain or moisture.



CAUTION
RISK OF
ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The graphical symbols are located on the bottom of the case.

 This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

 This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

For customers in the U.S.A.

FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reposition or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

— Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void your warranty.

For customers in Canada

CAUTION

This Class B digital apparatus complies with Canadian ICES-003.

Please read the Safety Notes (→P.104) and make sure you understand them before using the camera.

Preface

■ Test Shots Prior to Photography

For particularly important photographs (such as weddings and overseas trips), always take a test photograph to check that the camera is functioning normally.

- Fujifilm Photo Film Co., Ltd cannot accept liability for any incidental losses (such as the costs of photography or the loss of income from photography) incurred as a result of faults with this product.

■ Notes on Copyright

Images recorded using your digital camera system cannot be used in ways that infringe copyright laws without the consent of the owner, unless intended only for personal use. Note that some restrictions apply to the photographing of stage performances, entertainments and exhibits, even when intended purely for personal use. Users are also asked to note that the transfer of memory cards containing images or data protected under copyright laws is only permissible within the restrictions imposed by those copyright laws.

■ Liquid Crystal

If the LCD monitor or LCD panel is damaged, take particular care with the liquid crystal in the monitor or panel. If any of the following situations arise, take the urgent action indicated.

- If liquid crystal comes in contact with your skin: Wipe the area with a cloth and then wash thoroughly with running water and soap.
- If liquid crystal gets into your eye: Flush the affected eye with clean water for at least 15 minutes and then seek medical assistance.
- If liquid crystal is swallowed: Flush your mouth thoroughly with water. Drink large quantities

of water and induces vomiting. Then seek medical assistance.

■ Notes on Electrical Interference

Do not use this device in aircraft or hospitals. The use of this device in an aircraft or hospital can cause malfunctions in the control devices used in the aircraft or hospital.

■ Handling Your Digital Camera

This camera contains precision electronic components. To ensure that images are recorded correctly, do not subject the camera to impacts or shocks while an image is being recorded.

■ Trademark Information

- IBM PC/AT is a registered trademark of International Business Machines Corp. of the USA.
- iMac and Macintosh are registered trademarks of Apple Computer, Inc.
- MS-DOS and Windows are registered trademarks of the Microsoft Corporation of the U.S. registered in the USA and other countries.
- Windows is an abbreviated term relating to the Microsoft Windows Operating System.
- SmartMedia is a trademark of Toshiba Corporation.
- Other company or product names are trademarks or registered trademarks of the respective companies. Trademark information

■ Explanation of Color Television System

NTSC: National Television System Committee, color television telecasting specifications adopted mainly in the U.S.A., Canada and Japan.

PAL: Phase Alternation by Line, a color television system adopted mainly by European countries and China.

Camera Features and Accessories

- Superb high-quality images from the 2.3-million-pixel CCD and Fujinon 3x zoom lens
- Capable of recording images at resolutions up to 1800 X 1200 pixels

- Stylish magnesium-alloy body
- 2-inch 130,000 pixel low-temperature polysilicon TFT LCD monitor
- Wide-angle field of view with macro position and Autofocus function
- Automatic flash with high-precision wide-range flash control sensor
- Full manual photography functions (manual exposure, aperture priority AE, slow shutter speeds, light-metering mode selection and manual focusing)
- Hot shoe for mounting an external flash unit
- Continuous shooting at 3 frames/sec. (640x480 pixel mode)
- Special effects functions so you can quickly and easily modify your images wherever you are

- Mode dial and 4-direction button for simple operation
- Compatible with 3.3V, 2MB to 32MB SmartMedia
- Runs on a rechargeable lithium-ion battery
- Conforms to the new standard for digital camera file systems*

- * Design rule for Camera File System.
- Compatible with Exif version 2.1 so that images can be used directly on most PC-based image processing software
- Framing Guideline Function makes it easy to compose professional-looking shots.

- NP-80 Rechargeable Battery (1)
- Supplied with Operating Instructions (1)



- SmartMedia (6MB, 3.3V) (1)
- Supplied with: Index labels (1set)
- Anti-static case (1)
- Write-protect stickers (1set)



- AC-5V AC Power Adapter (approx. 2m connection cord) (1)



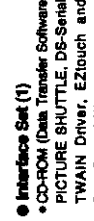
- Hand Strap (1)



- Lens cap (1)



- Video Cable (approx. 1.5m (4.9 ft.), mini-plug (3.5mm dia.) to pin-plug cable) (1)



- Interface Set (1)
- CD-ROM (Data Transfer Software PICTURE SHUTTLE, DS-Serial TWAIN Driver, EZtouch and PhotoSuite) (1)
- Serial Cable for IBM PC/AT Compatible Computer (1)
- Cable for Macintosh Computer (1)
- Quick Start Guide (1)
- Installation Manual for Adobe PhotoSuite (1)
- Noise suppression core (1)

- Owner's Manual (this manual) (1)



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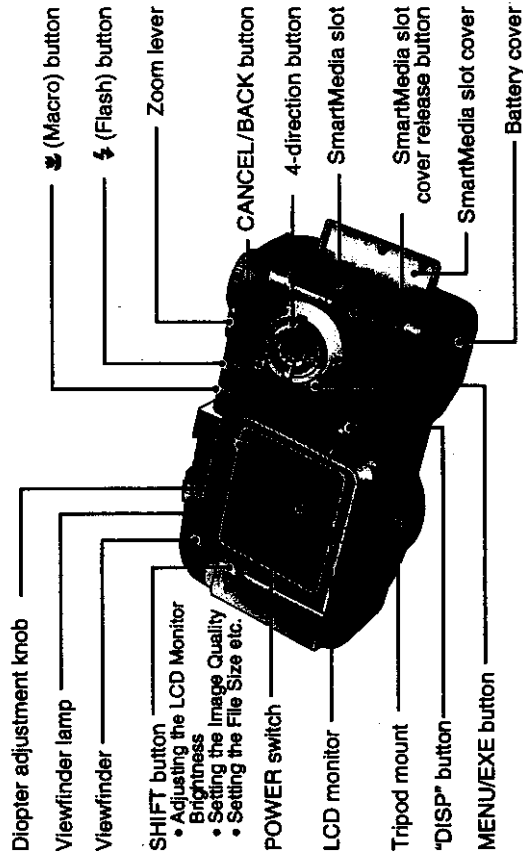
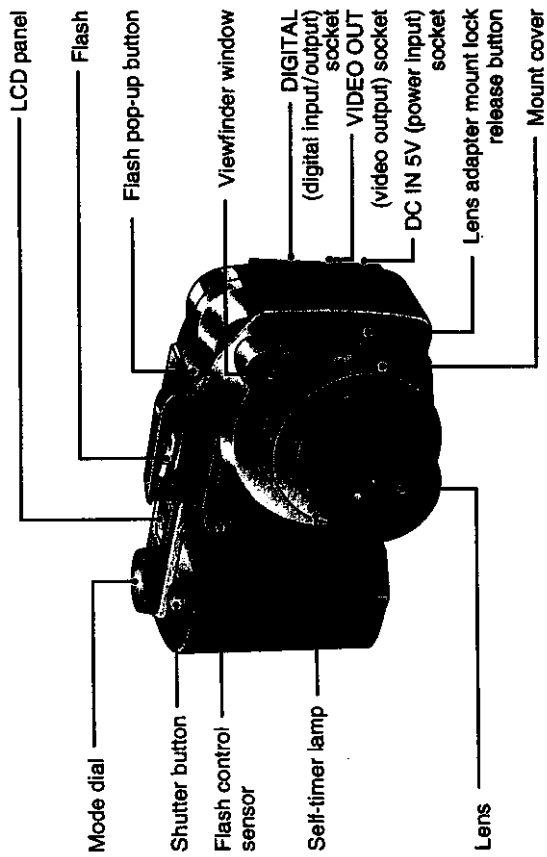
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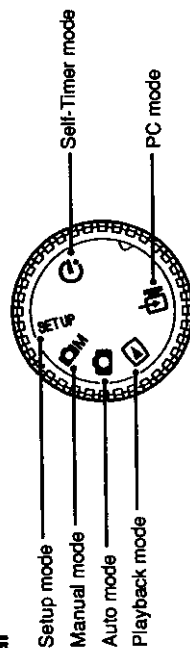
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Nomenclature



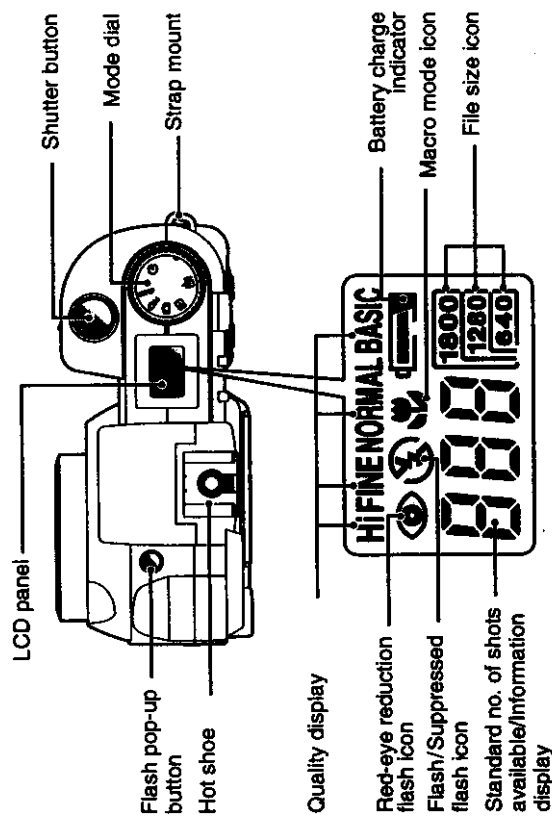
Nomenclature

Mode dial



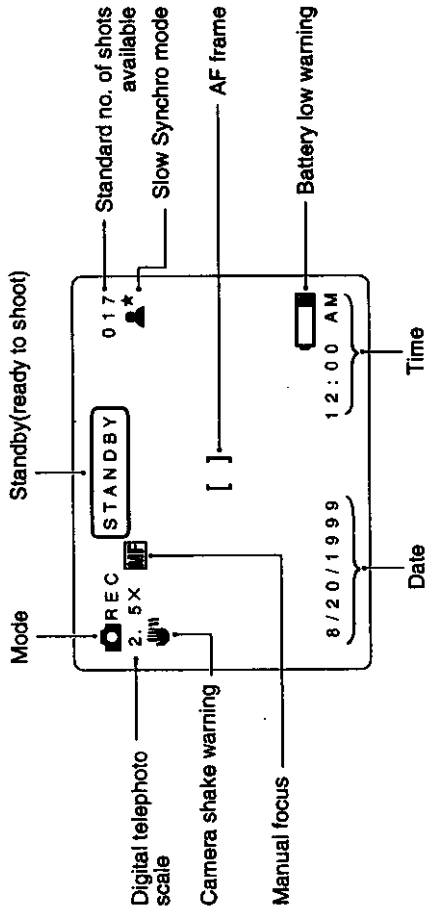
-  : Self-Timer mode (⇒P.57)
This mode allows you to take pictures using a 10-second timer.
-  : Setup mode (⇒P.55)
In this mode, you can set the image quality, file size, sharpness, Auto Power-Off function, frame number memory, buzzer tone, date and time settings and reset.
-  : Manual Mode (⇒P.49)
This mode allows you to check the picture settings before the picture is recorded. You can also use this mode to specify the settings for the white balance, exposure compensation, manual exposure, flash brightness adjustment, light metering mode and continuous shooting.
-  : Auto mode (⇒P.28)
This is a simple and convenient photography mode in which the camera automatically controls settings such as the exposure to suit the shooting conditions. This mode is ideal for general photography where you are not trying to achieve any particular effect.
-  : Playback mode (⇒P.34, 62)
In addition to normal single-frame playback, Playback mode allows playback zoom and multi-frame playback. You can also use Playback mode to erase frames, format image memory cards (SmartMedia), and specify the settings for special effects, automatic playback, resizing, protection, and DPOF (Digital Print Order Format).
-  : PC mode (⇒Quick Start Guide)
Use the supplied Inter face kit to download images to your personal computer.

Top view / LCD panel



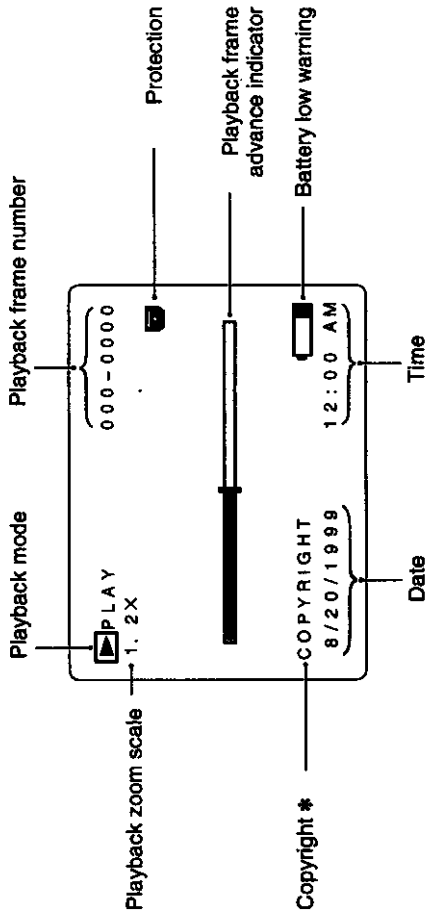
Nomenclature

Example of LCD Monitor Text Display • Shooting



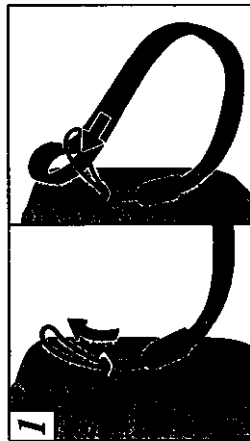
The above screen shows the NTSC model. The date order differs in the PAL model (day, month, year).
? Which items are displayed depends on the camera mode and photography conditions.

Example of LCD Monitor Text Display • Playback

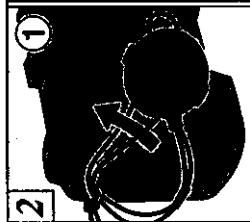


* The "COPYRIGHT" field is a feature of the software provided with the Interface Set (included), and appears when copyright information was entered on the camera that was used to shoot the displayed image. Refer to the instructions supplied with the software for details.

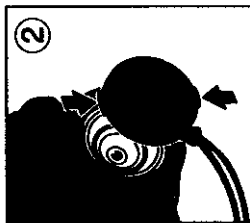
1 Getting Ready



Pass the loop of thin cord on the end of the strap through the strap mount. Then pass the other end of the strap through the loop of thin cord and pull the strap tight.



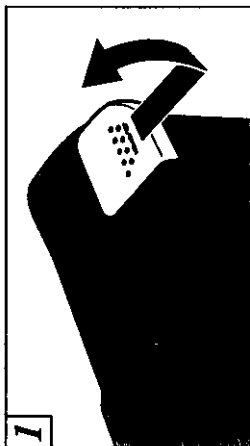
① Pull the lens cap cord through the strap mount.
② Fit the lens cap onto the lens by squeezing the top and bottom of the cap, as shown in the figure.



- The lens cap cord should be attached to the camera to avoid losing the lens cap.
- Always remove the lens cap when taking pictures.

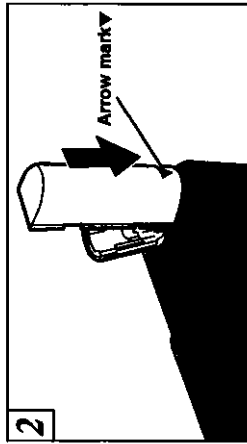
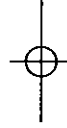


NP-80 rechargeable battery
(1,100 mAh capacity)

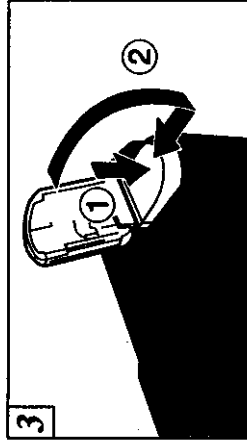


Slide the "battery cover" in the direction of the arrow and lift it open.

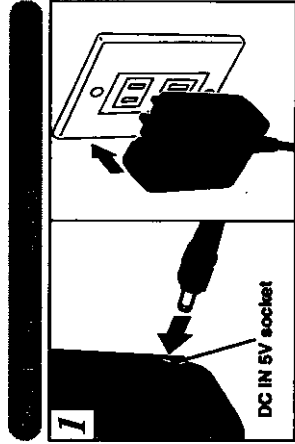
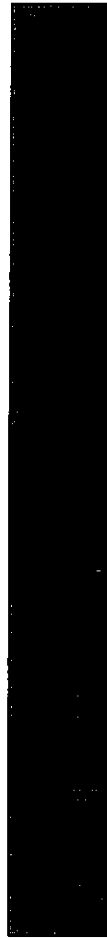
- Do not use excessive force to open the battery cover.
- When replacing the battery, always switch the camera off beforehand. If you open the battery cover without switching the camera off, the camera settings revert to the factory defaults.



Insert the battery with the arrow marking "▼" pointing downwards and push the battery in until it stops.



① Hold the battery in, ② and close the "battery cover".

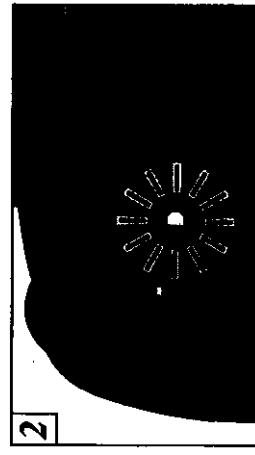


Check that the camera is switched off and then plug the AC power adapter connector into the "DC IN 5V socket" on the camera. Then plug the AC power adapter into the power outlet.

- The socket-outlet shall installed near the equipment and shall be easily accessible.
- The shapes of the plug and socket-outlet depends on the country of use.

◆ AC Power Adapter ◆

Always use the AC-5V AC power adapter.
 * Using AC power adapters other than the AC-5V could damage the camera.
 * See P.95 for more information on the AC power adapter.



After about 3 seconds, the viewfinder lamp lights orange and charging begins. (when [icon], [icon], or [icon] is set)

- The battery will not charge if the AC power adapter connector is not correctly plugged into the camera.
- A fully discharged battery takes about 8 hours to recharge.
- An almost fully charged battery will not charge. This is normal and does not indicate a fault.



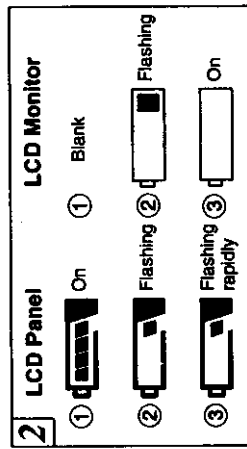
- Take care to load the battery the right way up. Insert the battery with the gold-colored terminals upwards.



Slide the POWER switch in the direction of the arrow to switch the camera on or off. The viewfinder lamp lights [green] when you switch the camera on.

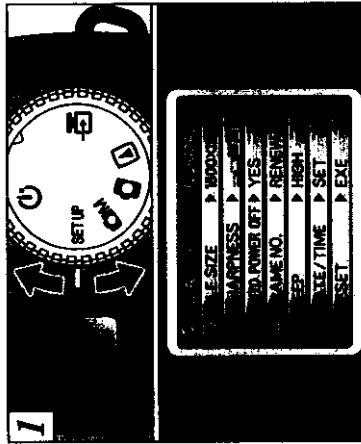


- Because the lens moves if you switch the camera on while a photography mode ("Q", "OM", or "S") is selected, take care not to press on the lens.
- If you switch the camera on when the Mode dial is set to "Q", "OM", or "S", the lens cover opens. The lens cover closes when you switch the camera off.
- If you switch the camera on while the battery is charging, the charging will stop.
- You can switch the opening screen display on and off by holding the "DISP" button down as you switch the camera on.

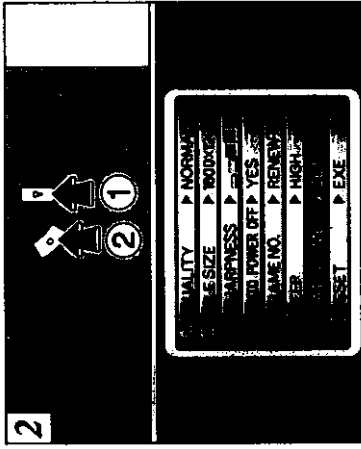


- Switch the camera on, and check the battery charge indicator.
- ① Battery fully charged.
 - ② Battery charge low. Replace or recharge the battery as it will run out shortly.
 - ③ The battery is flat. The display will shortly go blank and the camera will stop working. Replace or recharge the battery.

- If the date and time shown on the LCD monitor flash, reset them. (→Next page)

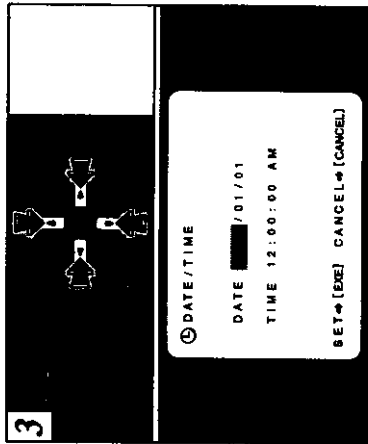


Set the Mode dial to "SETUP" to display the SETUP screen.



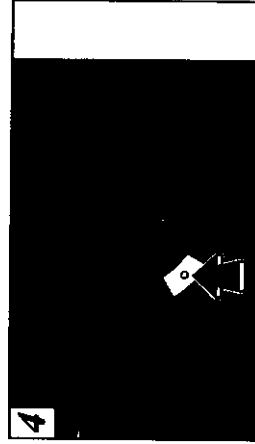
① Press "V" on the 4-direction button to select "DATE/TIME", ② and press the "MENU/EXEC" button.

- See P.59 for details of the SETUP menu.
- Once the AC power adapter has been connected, or the battery loaded for an hour or more, the date and time setting will be retained for about an hour after you remove the battery.



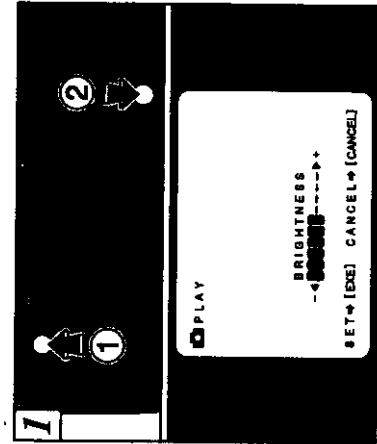
Press "◀" or "▶" on the 4-direction button to select the setting (year, month, day, hour or minute), and use "▲" and "▼" to correct the setting.

- Seconds cannot be specified.
- When the displayed time passes "12:00:00", the camera automatically switches between AM and PM.
- The date order in PAL model : [] .01 (year, month-day)



Once you have finished adjusting the date and time, press the "MENU/EXE" button to confirm the new settings.

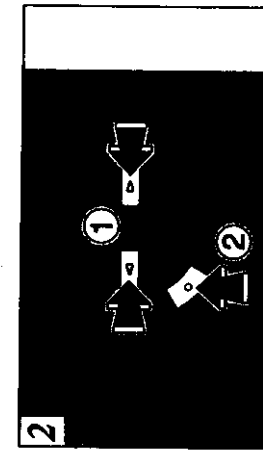
- To set the time precisely, press the "MENU/EXE" button when the time is at zero seconds.



You can set the LCD monitor brightness when the Mode dial is set to "CAM", "DM", "E" or "D".

① Hold down the "SHIFT" button, ② and press the "DISP" button to display the brightness adjustment screen.

- Pressing the "SHIFT" button displays the on-screen SHIFT CONTROL (explanations of the operations that can be performed by pressing the "SHIFT" button).
- The brightness setting cannot be changed while the LCD monitor is switched off.



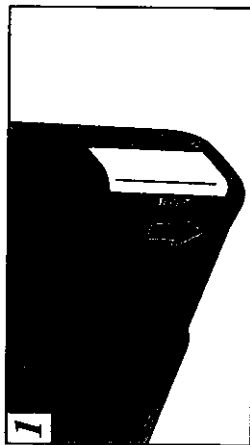
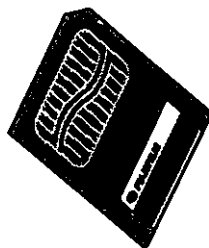
① Press "◀" or "▶" on the 4-direction button to adjust the brightness. ② Then press the "MENU/EXE" button to confirm the setting.

- To cancel the change and revert to the previous brightness setting, press the "CANCEL/BACK" button.

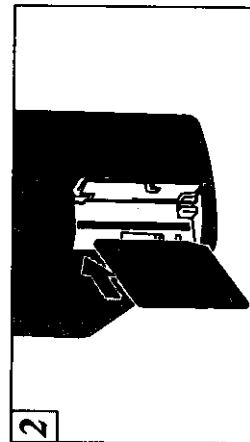
2 Basic Photography

SmartMedia

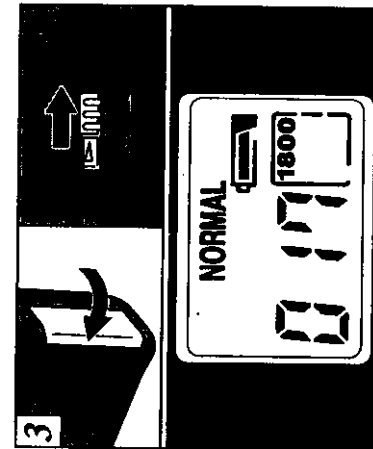
Only use 3.3V SmartMedia.
MG-4S (4MB), MG-8S (8MB),
MG-16S (16MB), MG-32S (32MB)



Check that the camera is switched off and then release the slot cover lock.



Align the camera and the SmartMedia as shown in the figure above and then push the SmartMedia firmly into the SmartMedia slot as far as it will go.



When you close the slot cover and switch the camera on, the standard number of shots available appears on the LCD panel (when [icon], [icon], or [icon] is set)

- If "[icon]" is displayed, wipe the SmartMedia contact area (gold-colored portion) with a soft dry cloth and load the card again. If this does not work, you may have to format the SmartMedia (P.65).
- Because the amount of image data recorded is not fixed and varies depending on the subject (level of detail, etc.), the actual number of available shots may slightly differ from the number displayed.

- If you open the slot cover while the camera is switched on, the camera is automatically switched off to protect the SmartMedia.

- 5V SmartMedia cannot be used with this camera.
- Images cannot be recorded or erased if a write-protect sticker is affixed to the SmartMedia (P.75).
- Operation of this camera is only guaranteed when it is used with Fujifilm SmartMedia.
- Some 3.3V SmartMedia™ are labelled as "3V" cards.
- See P.96 for more information on SmartMedia.

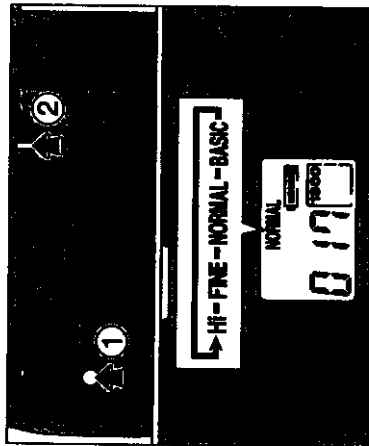
SETTING THE IMAGE QUALITY

You can select any of 4 image quality (recorded image compression ratio) settings as required. The number of shots available varies depending on the image quality. See P.102 for information on the standard number of shots available for each type of SmartMedia.

Select [FINE] for better image quality, and [BASIC] to fit more shots on the SmartMedia. Select "Hi" if you need uncompressed images. For normal photography, the "FINE" setting provides excellent image quality.

- Recorded file format
Hi : Uncompressed TIFF-YC (Exit Ver. 2.1)
FINE/NORMAL/BASIC : JPEG compressed (Exit Ver. 2.1)

★ Images shot using the "Hi" setting can be viewed and manipulated using the PICTURE SHUTTLE software provided with the supplied interface set. Other software programs may be unable to open the TIFF-YC images.



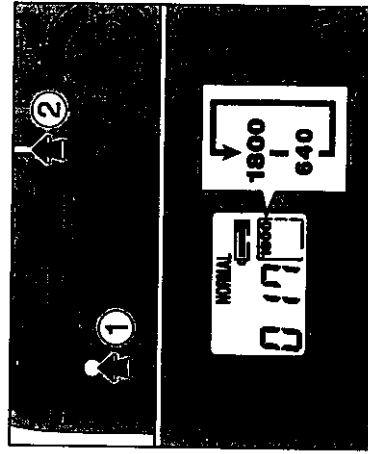
By holding down the "SHIFT" button ① and press the "F" Flash button ②, you can select from 4 levels of image quality (Hi, FINE, NORMAL, or BASIC). The new setting is displayed on the LCD panel.

- You can change the image quality setting when the Mode dial is set to "Q", "DM" or "S".
- If the LCD monitor is switched on, the on-screen SHIFT CONTROL appears when you press the "SHIFT" button.

SETTING THE FILE SIZE

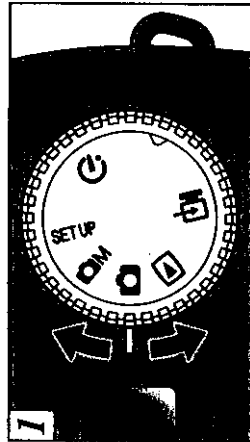
You can select 2 different file size (pixel count) settings as required. The number of shots available varies depending on the file size. See P.102 for information on the standard number of shots available for each type of SmartMedia.

- 1800 : 1,800 X 1,200 pixels
- 640 : 640 X 480 pixels

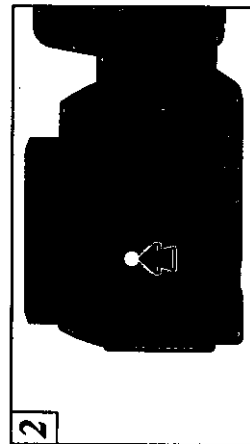


① You can switch between [1800] and [640] by holding down the "SHIFT" button, ② and pressing the "F" Macro button. The new setting is displayed on the LCD panel.

- You can change the file size setting when the Mode dial is set to "Q", "DM" or "S".
- If the LCD monitor is switched on, the on-screen SHIFT CONTROL appears when you press the "SHIFT" button.



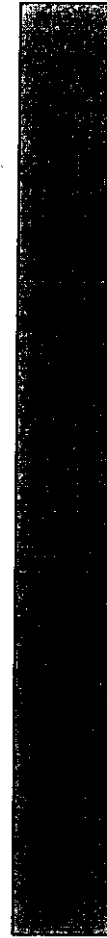
Set the mode dial to "G".



Press the flash pop-up button to set the flash.

- Flash range
Telephoto: 0.4 m to 2.5 m
Wide-angle: 0.4 m to 3.5 m

- You can photograph subjects at distances of 90 cm (3.0 ft) to infinity. For subjects closer than 90 cm, use Macro mode (→P.42).
- Check that the lens is clean. If it is dirty, clean the lens as described on P.83.

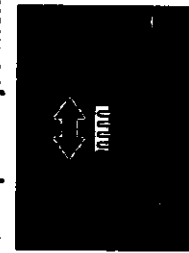


Loop the strap over your wrist and hold the camera firmly with both hands. When you are taking a picture with the camera on its side, hold the camera with the flash upwards.

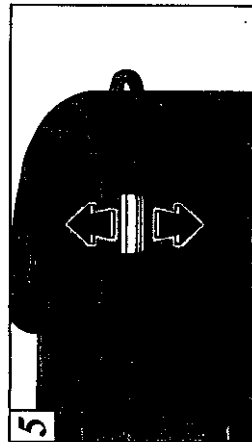


Take care to ensure that the lens and flash are not obscured by your fingers or the strap.

◆ Diopter Adjustment ◆

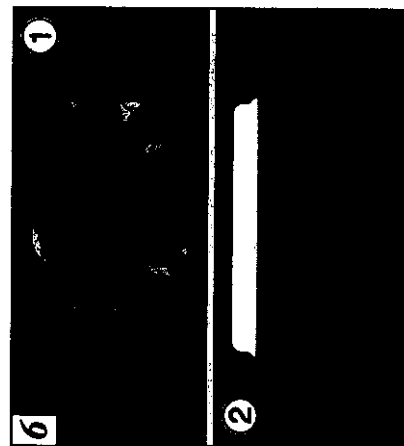


If the camera will not focus when you look through the viewfinder, set the focus by zooming in on the subject as you look through the viewfinder and then moving the eyesight adjustment knob so that the focus is set for a subject roughly 3 meters away.



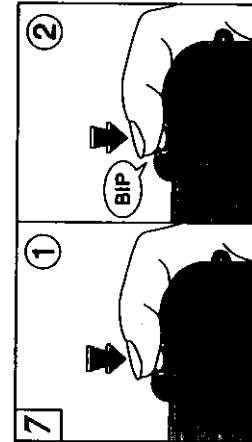
To zoom in on your subject, move the zoom lever upwards. To zoom out, move the zoom lever downwards.

- When you switch the camera on, the zoom is set to approximately 80 mm.
- The lens is a 3x zoom lens equivalent to a 35-105 mm lens on a 35 mm camera.
- From the zoom setting immediately after the camera is switched on, you can zoom out (press down) further to the wide-angle position.
- With a file size of 640X480, the area photographed is slightly larger vertically than the field visible through the viewfinder. To position the field of view precisely, use the LCD monitor to take the picture.



- ① Look through the viewfinder and position the subject in or near the center of the picture.
- ② If the subject is between 90 cm and 1.5 m from the camera, only the shaded "AF" portion of the image is photographed.

- If your subject is not in the center of the picture, use AF lock to take the picture. (=P.30).

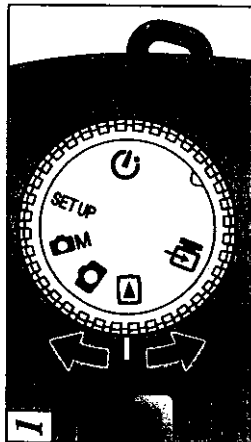


- ① Press the shutter button down half way. If the green viewfinder lamp stops flashing and remains lit, the camera is focused.
- ② To take the picture, press the shutter button down fully without lifting your finger off it. The camera beeps and takes the picture, and the data is then recorded.

- The viewfinder lamp glows orange while the data is being recorded and no pictures can be taken. Do not switch the camera off or open the SmartMedia slot cover during data recording.
- The viewfinder lamp flashes orange while the flash is charging.

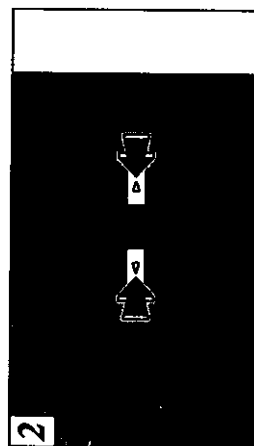
◆Viewfinder Lamp Display

	Lit	Ready to shoot
Green	Flashing	AF/AE in progress or camera shake warning
Orange	Lit	Image being recorded onto the SmartMedia or battery charging in progress
	Flashing	Flash charging
Red	Flashing	● SmartMedia warning ● No SmartMedia loaded, SmartMedia not formatted, incorrect format, write-protect sticker used, SmartMedia full, SmartMedia error ● Battery charging error ● Lens operation error * When the LCD monitor is switched on, details of the warning are displayed on the monitor (=P.98).



Set the mode dial to "P".

- When you set the mode dial to "P", the last image shot is displayed.
- "Pb" (playback) will appear on the LCD panel.
- If image on the LCD monitor is difficult to see, adjust the LCD monitor brightness. (P.21)
- If you press the "DISP" button once, the text displayed on the LCD monitor disappears.

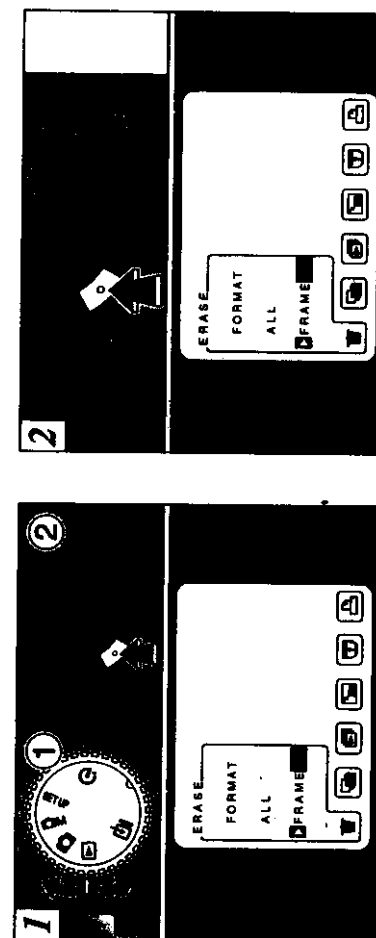


You can use "P" and "P" on the 4-direction button to move forward and backward respectively through your images.

- If you hold down "P" or "P" for approximately 3 seconds, the frame advance indicator "P" appears on the LCD monitor.

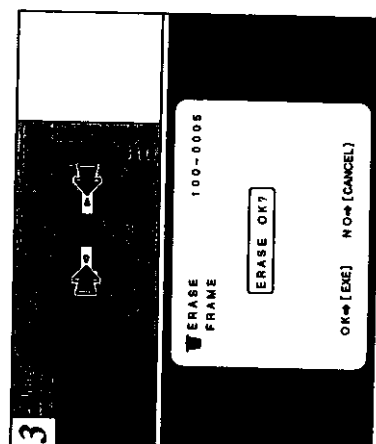
◆ Images That Can be Viewed on the MX-2900 ZOOM ◆

You can use this camera to view images recorded on an MX-2900 ZOOM or images recorded onto a 3.3V SmartMedia using a Fujifilm MX series and DX series digital camera.

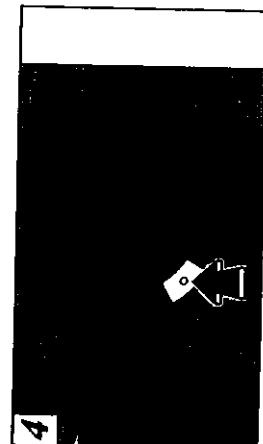


- ① Set the mode dial to "P". ② and press the "MENU/EXEC" button to display the Menu screen on the LCD monitor.
- ② Select "FRAME" in the ERASE menu and press the "MENU/EXEC" button.

● See P.72 for more information on the Playback mode menu.



Press "◀" or "▶" on the 4-direction button to display the image to be erased.

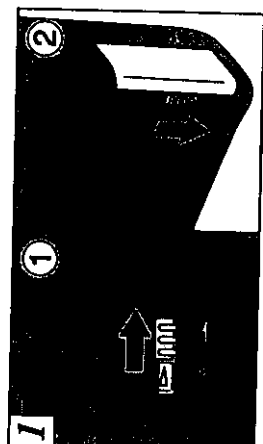


Press the "MENU/EXE" button to erase the displayed image. When erasing is complete, the next image appears and the "ERASE OK?" message is displayed.

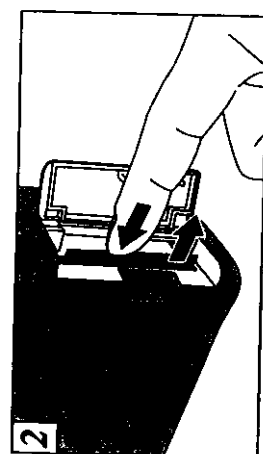


- To continue erasing images, repeat the procedure from step [3].
- If "[PROTECTED FRAME]" is displayed, the image protection must be removed to erase the image (→P.72).

- To cancel single-frame erase, press the "CANCEL/BACK" button.



- ① Check that the camera is not recording data and then switch the camera off.
- ② Release the SmartMedia cover lock as shown in the figure.

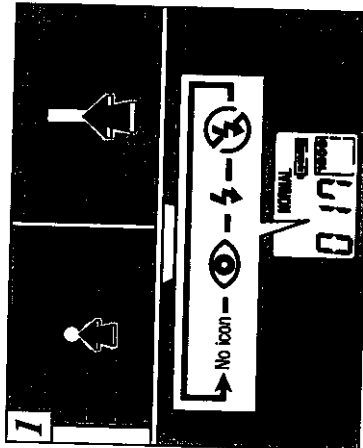


Push the SmartMedia into the slot slightly and allow it to pop back out. It can then be pulled out easily.

- To protect the SmartMedia, always store it in the special anti-static case.
- See P75, 91 for information on printing images.
- See P91, 93-97 for information on downloading images to a personal computer.

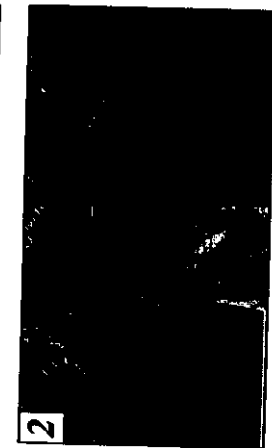
- Never open the SmartMedia slot cover without first switching the camera off. This could destroy the image data or damage the SmartMedia itself.

3 Advanced Features



Once the flash pops up, you can select any of 4 flash modes to suit the type of shot. Each time you press the **Flash** button, the flash mode displayed on the LCD panel changes from Normal (nothing displayed) → **Flash** → **Red-Eye Reduction** → **Auto flash mode (no display)**. The last mode displayed is selected.

- The flash does not fire when it is closed.
- If any of these is obscured by your fingers or the strap, the camera may be unable to correctly adjust the amount of light.
- See p.41 for information on Slow Synchro mode for night scenery.



Auto flash mode (no display)

Use this mode for general photography where you are not trying to achieve any particular effect. The flash fires automatically as required by the conditions.



Red-Eye Reduction

Use this mode to ensure that the subject's eyes appear natural when photographing people in low-light conditions.

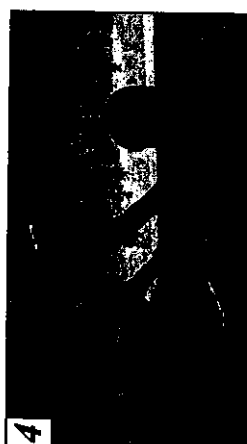
The flash fires a pre-flash just before the picture is taken and then fires again to take the actual picture.

Red-Eye Effect

When you use the flash to photograph people in low-light conditions, their eyes sometimes appear red in the picture. This is caused by the light of the flash reflecting off the inside of the eye. Use Red-Eye Reduction flash mode to effectively minimize the likelihood of the red-eye effect.

Take the following measures also to make Red-Eye Reduction mode more effective:

- Get the subjects to look at the camera.
- Get as close as possible to the subjects.



4 Forced Flash

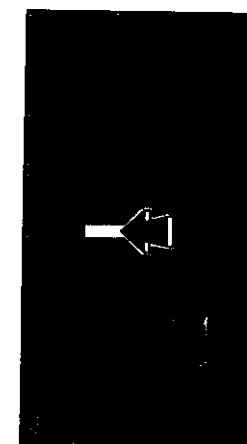
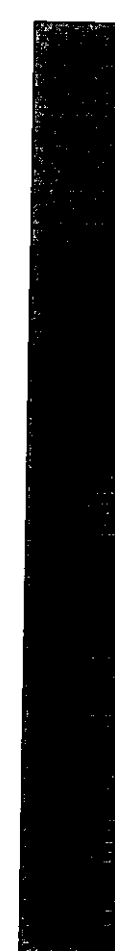
Use this flash mode to photograph backlit scenes, such as a subject against a window or in the shade of a tree, or to obtain the correct colors when you are shooting under lighting such as fluorescent tubes. In this mode, the flash fires in bright as well as dark conditions.



5 Suppressed Flash

In this mode, the flash never fires. Use this mode when you are taking pictures in indoor lighting at distances too great for the flash to have any effect, such as theater performances or indoor sporting events. When you use Suppressed Flash, the Auto White Balance function (P.92) operates so that natural colors are captured along with the ambience of the available light.

- If you are shooting in Suppressed Flash mode in dark conditions, use a tripod to prevent camera shake.
- See P.29, 99 for information on the camera shake warning.

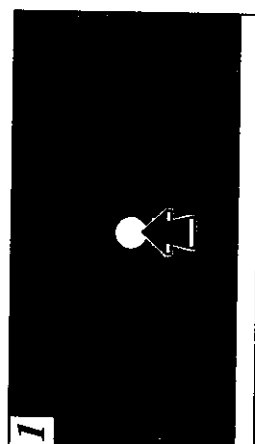


When you press the "Macro" button, "Macro" is displayed on the LCD panel and the camera switches to Macro mode. Press the "Macro" button again to cancel Macro mode.

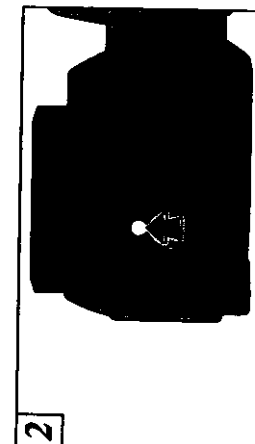
In Macro (close-up) mode, you can take pictures of subjects at distances of between 25 cm and 90 cm from the camera. The flash is automatically set to "Suppressed Flash" mode.

- * When shooting in dark conditions, use a tripod to prevent camera shake.
- * To use the flash, pop up the flash, press the "Flash" button and set the flash mode to "Red-Eye Reduction" or "Forced Flash". The brightness of the flash can be adjusted in Manual mode (P.54). Note that Auto Flash mode cannot be used.

- The LCD monitor is automatically switched on.
- If you use the viewfinder to take a picture in Macro mode, the field visible through the viewfinder does not match the field actually photographed because the viewfinder and lens are in different positions. Accordingly, you should use the LCD monitor to take pictures in Macro mode.
- When you cancel Macro mode, the flash mode reverts to the mode set before Macro mode was selected.

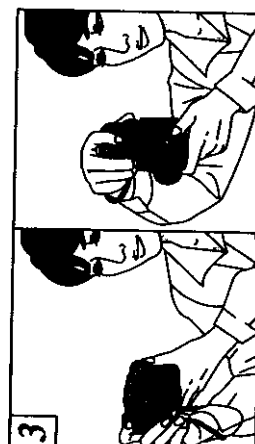


When you take a picture (other than in Macro mode), press the "DISP" button to switch the LCD monitor on.

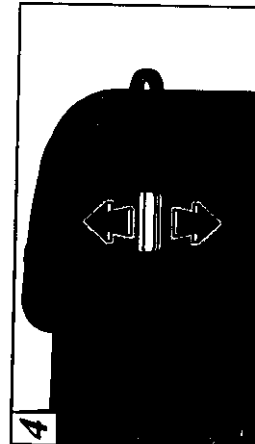


Press the flash pop-up button to set the flash.

- Flash range
Telephoto: 0.4 m to 2.5 m
Wide-angle: 0.4 m to 3.5 m



Loop the strap over your wrist and hold the camera firmly with both hands so that the LCD monitor is directly in front of you. Take care that your fingers or the strap do not cover the lens, the flash, or the flash control sensor.



To zoom in on your subject, move the zoom lever upwards. To zoom out, move the zoom lever downwards.

- The image will be blurred if the camera moves when you take the picture (camera shake).
- If any of these is obscured by your fingers or the strap, the camera may be unable to correctly adjust the amount of light.
- Take care to ensure that the lens and flash are not obscured by your fingers or the strap.

- In Auto mode, always press the flash pop-up button. If the flash is left closed, the camera cannot use the flash to take pictures.
- If you do not want to use the flash, press the flash down to close it.

- If the date/time display on the LCD monitor is flashing, set the date and time (= P. 19).
- Check that the lens is clean. If it is dirty, clean the lens as described on P. 93.

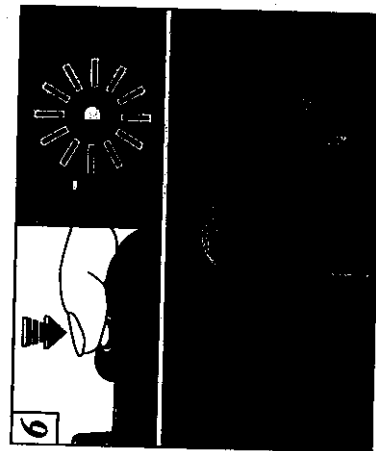
- The lens is a 3x zoom lens equivalent to a 35-105 mm lens on a 35 mm camera. When you switch the camera on, the zoom is set to approximately 80 mm





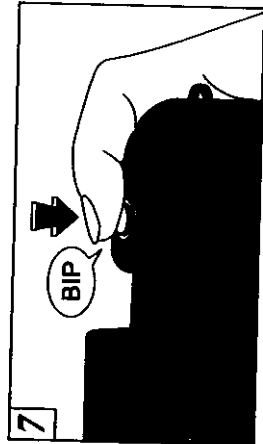
AF frame

Look at the LCD monitor and point the camera so that your subject completely fills the AF (AutoFocus) frame.



Press the shutter button down half way. If "STANDBY" appears on the LCD monitor (and the [green] viewfinder lamp stops flashing and remains lit), the camera is focused.

- For distances of 90 cm (3.0 ft) or less, the camera will not focus even if "STANDBY" is displayed. Use "Macro mode" to take the picture (→P.37)
- If it is too dark for the camera to focus, use manual focusing to take the picture. (→P.47)



To take the picture, press the shutter button down fully without lifting your finger off it. The camera beeps and takes the picture, and the data is then recorded.

- The viewfinder lamp glows orange while the data is being recorded and no pictures can be taken. Do not switch the camera off or open the SmartMedia slot cover during data recording.
- The viewfinder lamp flashes orange while the flash is charging.
- Because the amount of image data recorded is not fixed and varies depending on the subject (level of image detail, etc.), the number of available shots may not decrease after the image is recorded, or may decrease by 2.
- See P.98 for information on the warning displays.

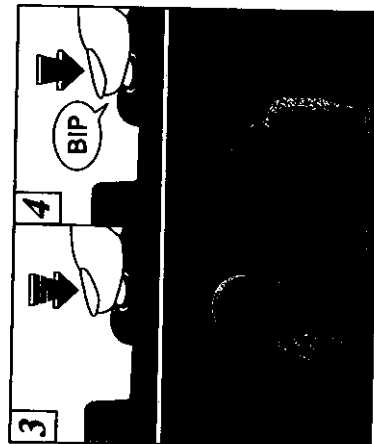
- If the image on the LCD monitor is difficult to see, adjust the monitor brightness (→P.21).



In a picture of this type, the subjects (people in this case) are outside the AF frame.



Move the camera slightly so that one of the subjects in the AF frame.



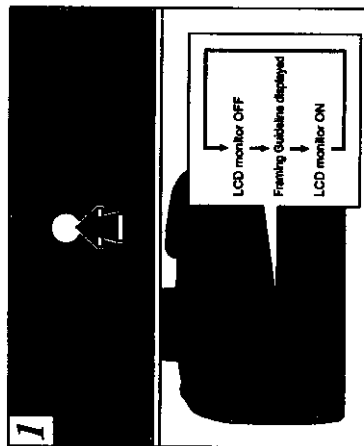
Press the shutter button down half way (AF lock) and check that "STANDBY" is displayed on the LCD monitor (or that the green viewfinder lamp stops flashing and remains lit).
With the shutter button still held down halfway (AF lock), move the camera back to the original image and press the shutter button down fully.
● You can reapply the AF lock as many times as you like before releasing the shutter.
● The AF lock operates in all photography modes and can be used to ensure excellent results.

- The displayed screens are those shown on the LCD monitor.
- See P.45 for information on taking pictures using the LCD monitor.

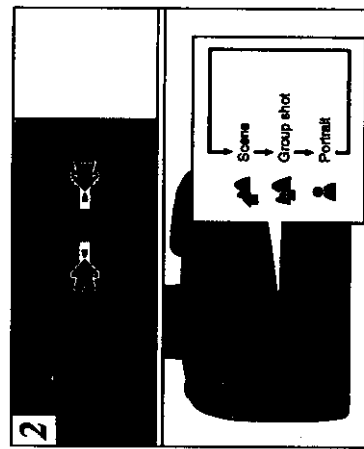
◆ Subjects Not Suitable for Autofocus ◆

Though the MX-2900 ZOOM uses an accurate autofocus mechanism, it may have difficulty focusing or not be able to focus at all for the types of subject and situation listed below. In such cases, the image may be out of focus.

- Subjects moving at high speed.
- Very shiny subjects such as a mirror or car body.
- Subjects photographed through glass.
- Subjects that do not reflect well, such as hair or fur.
- Subjects with no substance, such as smoke or flames.
- When the subject is distant and dark.
- When there is very little contrast between the subject and the background (such as white walls or subjects dressed in the same color as the background).
- When there are objects in front of or behind the subject (such as an animal in a cage or a person in front of a tree).

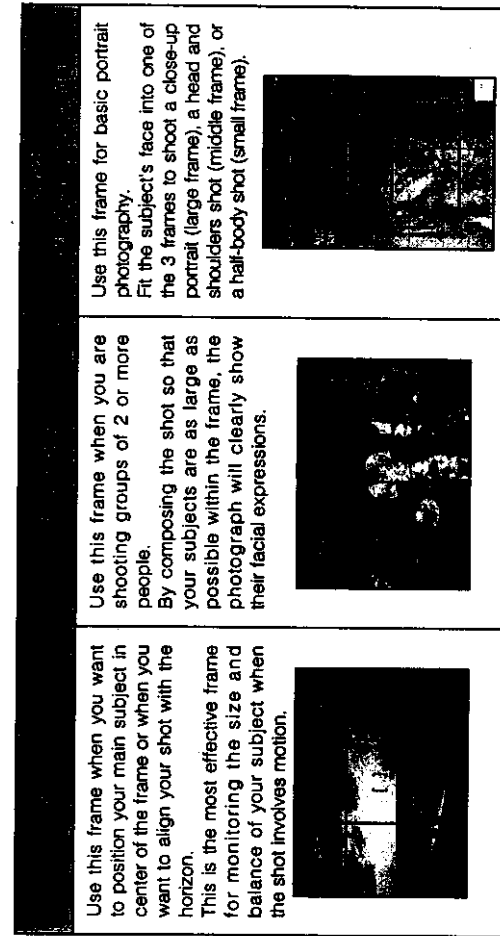


When the mode dial is set to "P", the information shown on the LCD monitor changes each time you press the "DISP" button. Press the "DISP" button to display the "Framing Guide" line.

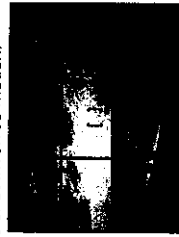


You can use the left and right arrows on the 4-direction button to select one of 3 framing guides. The framing guides help you to compose your shot when you are taking pictures using the LCD monitor.

● The framing guide line is not recorded on the image.



Use this frame when you want to position your main subject in center of the frame or when you want to align your shot with the horizon.
This is the most effective frame for monitoring the size and balance of your subject when the shot involves motion.



Use this frame when you are shooting groups of 2 or more people.
By composing the shot so that your subjects are as large as possible within the frame, the photograph will clearly show their facial expressions.



Use this frame for basic portrait photography.
Fit the subject's face into one of the 3 frames to shoot a close-up portrait (large frame), a head and shoulders shot (middle frame), or a half-body shot (small frame).

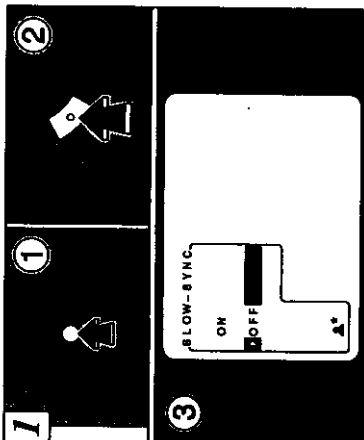


● The lines in the scene frame roughly divide the recorded pixels into three equal parts horizontally and vertically. When the image is printed, the resulting print may be shifted slightly from the scene frame.

◆ Important ◆

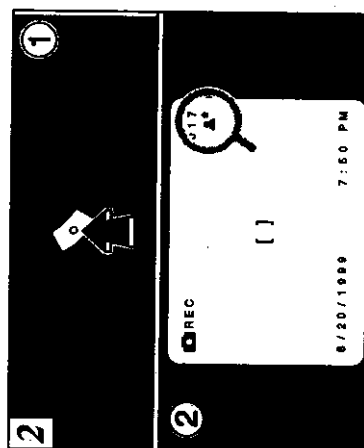
Always use the AF lock to compose your picture.
Failing to use the AF lock may result in the image being out of focus.





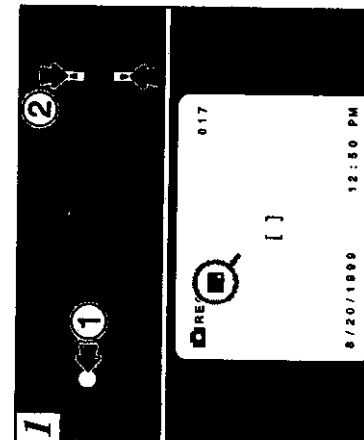
Slow Synchro mode combines use of the flash with a slow shutter speed (up to 1/4 sec.) to allow shots that beautifully capture both your foreground subject and the evening backdrop. This mode can only be used when the mode dial is set to "A", "S", or "P".

- ① Pop up the flash.
- ② Press the "MENU/EXE" button to view the menu.
- ③ Use "▲" and "▼" on the 4-direction button to select the desired setting.
- If you do not want to use Slow Synchro mode, select "OFF".



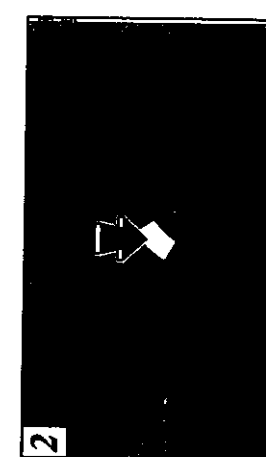
- ① Select "ON" and press the "MENU/EXE" button.
- ② The "▲" icon appears on the LCD monitor.

- Because a slow shutter speed is used, a tripod should be used to prevent camera shake.
- The setting is saved if you turn off the camera with the flash left open.
- Closing the flash cancels Slow Synchro mode. Set the mode again.



If you hold down the "SHIFT" button ① and press "▲" or "▼" ② while shooting, the "▲" icon appears on the LCD monitor and you can focus the camera manually.

While "▲" is displayed, you can focus manually by holding down the "SHIFT" button and pressing "▲" to move the focus further away or "▼" to move the focus closer. Use manual focus if the camera's AF feature cannot focus on the subject or if you are photographing a subject that is not suited to autofocus (see p.31). Manual focus can be used in "Q", "On", or "S" mode.

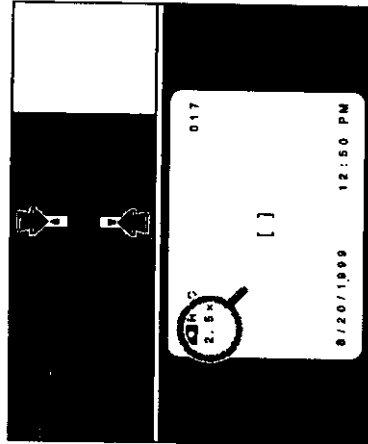


To cancel manual focusing, press the "CANCEL/BACK" button. The "▲" icon disappears from the LCD monitor and Auto Focus operates as normal.

- Manual focus only operates when the LCD monitor is switched on.
- If you use the zoom after focusing on your subject, the subject will no longer be in focus.
- If you have difficulty focusing on your subject, you can use the digital telephoto for focusing (see p.44). When you are ready to shoot, cancel the digital telephoto before you take the picture.

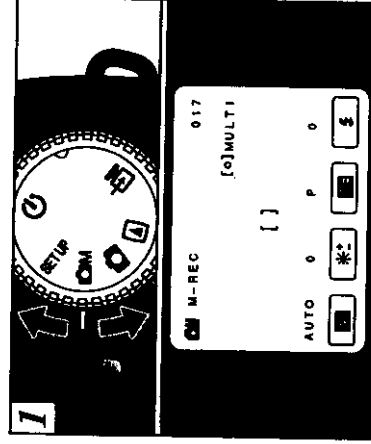


- If the digital zoom is used when the file size is set to "1800", images are recorded 1280x1024 pixels for the 1.2x setting and at 640x480 pixels for the 2.5x setting.
- If the selected file size is "640", using the digital telephoto does not change the recorded file size.



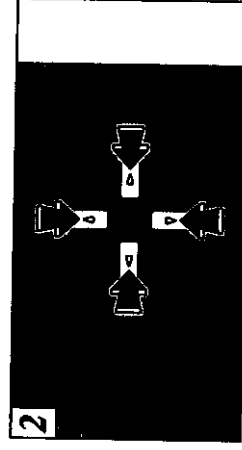
During photography (in all modes), you can enlarge the central part of the image by pressing "▲" on the 4-direction button. Press "▲" once for 1.2x enlargement and twice for 2.5x enlargement. The enlargement scale is displayed on the LCD monitor. Press "▼" twice to revert to normal photography.

- The digital telephoto cannot be used when the LCD monitor is switched off.
- When the File Size is set to [1800], the scale is based on the number of vertical pixels.



Set the Mode dial to "OM". The settings menu is displayed.

- When you press the "DISP" button, the image disappears and only the settings menu is displayed. The image reappears if you press the "DISP" button again.



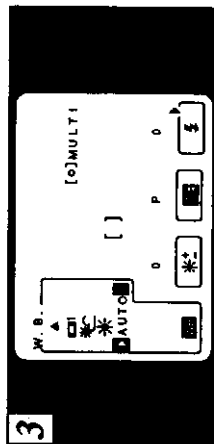
Use "◀" and "▶" on the 4-direction cursor to move around the menu and "▲" and "▼" to select a setting.

◆ Factory Default Settings

White Balance	AUTO
* Brightness (EV)	0
EXPOSURE	P / AUTO
Flash	0/INT.
[o] Photometry	MULTI
Continuous Shooting	OFF

* The above settings are equivalent to those for Auto mode photography.





Setting the White Balance

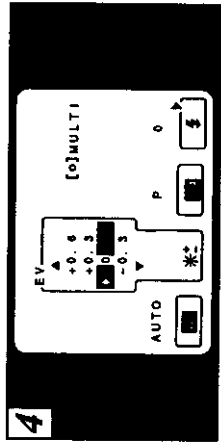
Change the white balance setting when you want to take a picture with the white balance fixed for the surroundings and lighting when the picture is taken.

In Auto mode, the correct white balance may not be obtained for subjects such as close-ups of people's faces and shots taken under a special light source. In such situations, select the correct white balance for the light source. See P.92 for more information on the white balance.

To take the picture immediately, press the "MENU/EXEC" button to confirm the white balance setting.

- AUTO** : Automatic adjustment
(Shooting to show the ambience of the light source)
- : Shooting outdoors in fine weather
- : Shooting in shade
- : Shooting under "Daylight" fluorescent lamps
- : Shooting under "Warm White" fluorescent lamps
- : Shooting under "Cool White" fluorescent lamps
- : Shooting in incandescent light

* The White Balance setting is disabled when you use the flash. If you want to use the White Balance setting to achieve a particular effect, set the flash mode to Suppressed Flash.



Setting the Brightness (Exposure compensation)

Use the Brightness setting to obtain the optimum image brightness (exposure) when the subject is much brighter or darker than the background.

- There are 9 compensation levels (-0.9 to 1.5 EV in approx. 0.3 EV increments).
- See P.92 for a definition of EV.

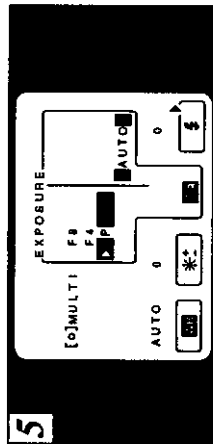
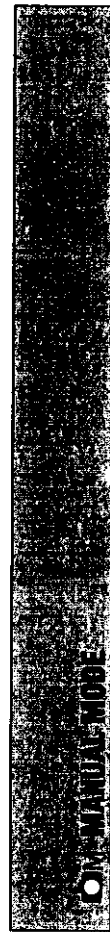
The Brightness setting is disabled when you use the flash. If you want to use the Brightness setting to achieve a particular effect, set the flash mode to "Suppressed Flash".

Subjects for Which Exposure Adjustment is Particularly Effective

- Copying of printed text (black characters on white paper) (+1.5 EV)
- Backlit portraits (+0.6 to +1.5 EV)
- Very bright scenes (such as snowfields) and highly reflective subjects (+0.9 EV)
- Shots made up predominantly of sky. (+0.9 EV)

- Spotlit subjects, particularly against dark backgrounds (-0.6 EV)
- Copying of printed text (white characters on black paper) (-0.6 EV)
- Scenes with low reflectivity, such as shots of pine trees or dark foliage (-0.6 EV)

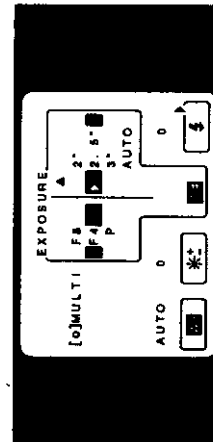
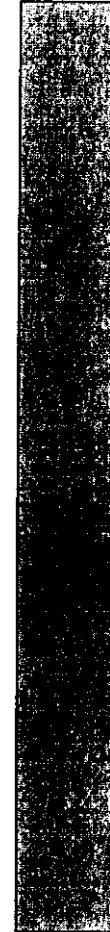
* Settings given in parentheses are a general guide.



- P (program auto):
Set the aperture to "P".
The aperture and shutter speed are set automatically.
- Aperture priority AE:
This mode allows you to fix the aperture setting at $f/4$ or $f/8$.
The camera then automatically sets the correct shutter speed for the selected aperture setting.
To select aperture-priority AE, select an aperture of $f/4$ or $f/8$ and set the shutter speed to "AUTO".
- Manual settings:
This mode gives you the freedom to set your own aperture setting and shutter speed. Set the aperture to $f/4$ or $f/8$ and then set the shutter speed. (= p.53)

Manual Exposure
In this mode, you can select P (program auto), aperture priority AE or manual settings.

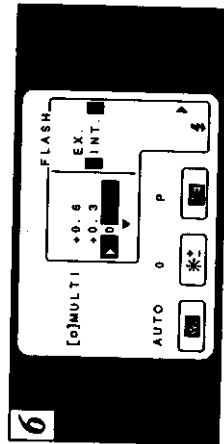
- Shutter speed is set in increments of $1/3$ EV. See p.92 for an explanation of an EV.



- If an aperture setting other than "P" is selected, the flash will only operate in "Red-Eye Reduction" mode or "Forced Flash" mode.
- If the shutter speed is not set to "AUTO", the "Exposure Compensation" (= P.51) and "[o] Metering Mode" (= P.55) functions are disabled.
- For shutter speeds slower than $1/4$ sec., speckles of noise may appear on the photographed image. This does not indicate a camera fault.

- Shutter speeds
For an aperture of $f/4$:
"AUTO, 3" (3 sec.) to 500 ($1/500$ sec.) can be selected.
For an aperture of $f/8$:
"AUTO, 3" (3 sec.) to 1000 ($1/1000$ sec.) can be selected.

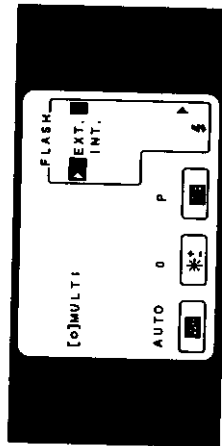
ON MANUAL MODE



Flash Brightness Adjustment

Set the Flash Power setting to achieve the optimum flash brightness when the subject is very small in the picture or when you are using close-up flash photography.

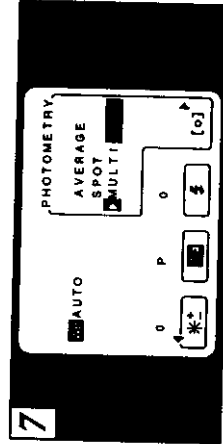
- There are ± 2 correction levels (-0.6 to $+0.6$ in approx. 0.3Ev increments).



See p.86 for information on using an external flash.

- An external flash cannot be used while the camera's flash is open.

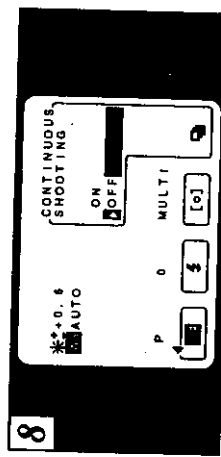
ON CONTINUOUS SHOOTING MODE



[o] Metering Mode

This mode is only available when manual exposure is selected and the shutter speed is set to "AUTO".

- **AVERAGE:** Light metering where an average value for the entire image is used.
- **SPOT:** Light metering where the exposure is optimized for the center of the image.
- **MULTI:** Light metering where the camera automatically assesses the scene and selects the optimum exposure.

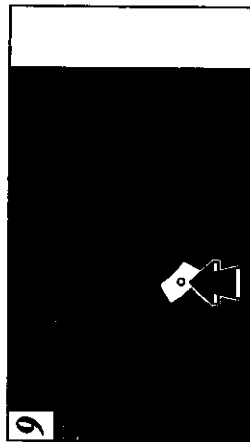


Continuous Shooting

When you set this mode to "ON", the file size is automatically fixed at "640". The camera continues shooting for as long as you hold down the shutter button.

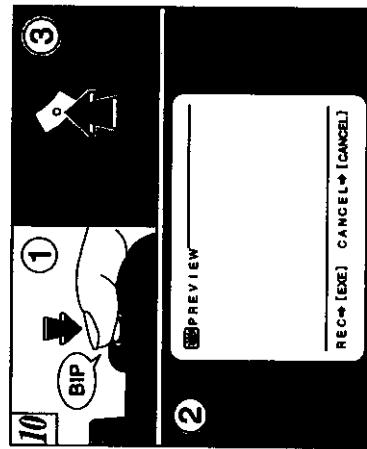
- Continuous shooting specifications
- Frames shot per second: Up to 3
- No. of continuous shots: 9
- File size: Fixed at 640x480 pixels

- You cannot use the flash or digital telephoto during continuous shooting.
- The focus and exposure are fixed at the values selected when the shutter button was pressed.



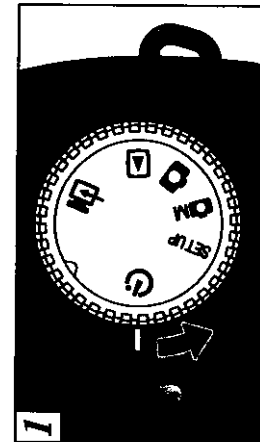
When you have finished the menu settings, press the "MENU/EXE" button to confirm the settings. These settings are retained even when the camera is switched off.

- The settings revert to their default values if you remove the battery from the camera for a long period or if you remove the battery before you confirm the settings.



- 1 Press the shutter button to take the picture.
- 2 The photographed image appears on the LCD monitor.
- 3 To record the image, press the "MENU/EXE" button.

- During continuous shooting, the photographed images are previewed on a multi-frame screen.
- If you are not happy with the resulting image, press the "CANCEL/BACK" button to prevent the image being recorded on the SmartMedia. Then take the picture again.



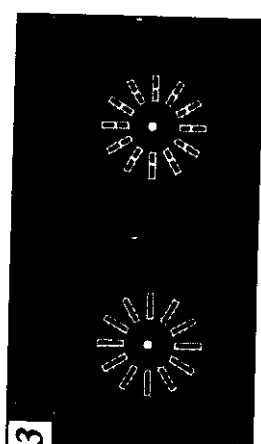
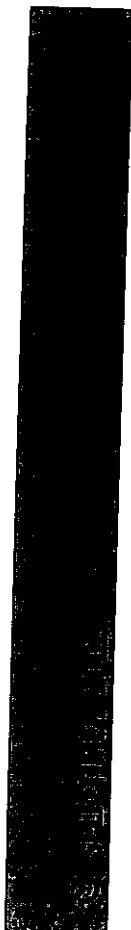
Set the Mode dial to "P".



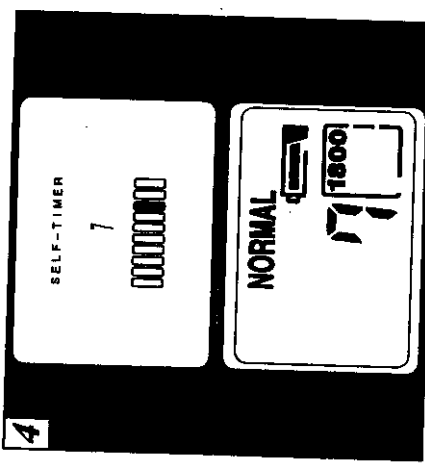
Position the AF frame over the subject and press the shutter button. The camera focuses on the subject in the frame and self-timer starts to run.

- Check that the lens is clean. If it is dirty, clean the lens as described on P.93.
- You can also use the Framing Guideline Function. (P.32)
- Pictures can also be taken in Slow Synchro mode. (P.41)

- You can also use the AF lock (P.30).
- Take care not to stand in front of the camera when you press the shutter button as this can cause focusing or light metering errors.



3 The self-timer lamp lights for 5 seconds and then blinks for 5 seconds, then the camera takes the picture.



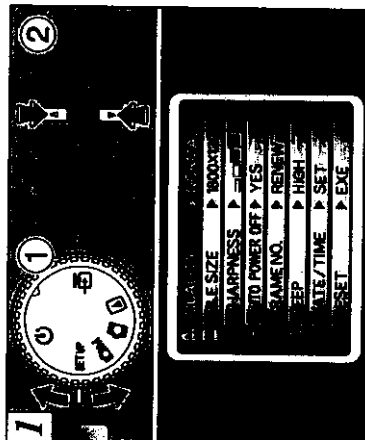
4 The time remaining until the picture is taken is counted down on the LCD monitor and LCD panel.

8 To stop the self-timer, once it has started running, press the "CANCEL/BACK" button.

● You can check the countdown on the LCD panel when the LCD monitor is switched off.

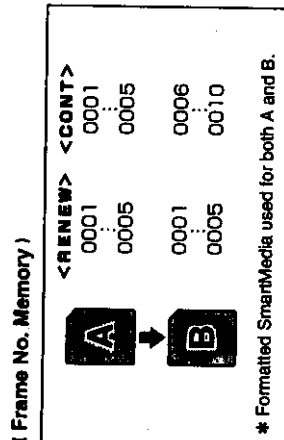


QUALITY	H/FINE/NORMAL/BASIC	NORMAL	Settings
FILE SIZE	1800X1200/640X480	1800X1200	Sets the compression ratio for recording. Can be set as described on P.24. Sets the number of pixels recorded (image file size). Can be set as described on P.25. Can be set to 5 levels: Edge sharpening is not performed. This process gives slightly softened outlines. Best for ordinary photography. Gives sharp, clear images for PCs, large printouts or video projector displays. Best for very sharp images such as buildings or text.
SHARPNESS			
AUTO POWER OFF	YES/NO	YES	Specifies whether the Auto Power Off function is enabled. If this is set to "NO", the camera does not automatically switch off if left unused for 2 minutes or more. Even when switched on, the Auto Power Off function does not operate during automatic playback or in PC mode.
FRAME NO.	RENEW/CONT	RENEW	Specifies whether the Frame No. Memory function is used (P.61).
BEEP	HIGH/LOW/OFF	HIGH	Selects the buzzer volume for camera operation. When this is set to OFF, the camera buzzer emits no sound.
DATE/TIME	SET		Sets the date and time (P.19).
RESET	EXE		Pressing the "MENU/EXE" button resets the settings in the SETUP screen (excluding the date and time) to the factory defaults.



- ① Set the Mode dial to "SETUP" to display the SETUP screen.
- ② Press "▲" or "▼" on the 4-direction button to select a setting.

● Always switch the camera off before you replace the battery. If you open the battery cover or disconnect the AC power adapter without switching the camera off, the settings all revert to the factory defaults.

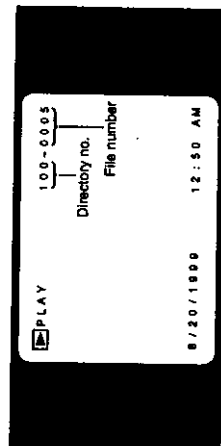


Setting this function to "CONT" makes file management easier as it ensures that file names are not duplicated when images are downloaded to a PC.

RENEW : Pictures are stored on each SmartMedia beginning with a file number "0001".

CONT : Pictures are stored beginning from the highest file number stored on the last SmartMedia used.

● If the SmartMedia already contains image files with file numbers higher than the highest file number on the last SmartMedia, images are stored beginning from the highest file number on the current SmartMedia.



You can check the file number by viewing the image. The last 4 digits of the 7-digit number in the top right corner of the screen are the file numbers, while the first 3 digits show the directory number.

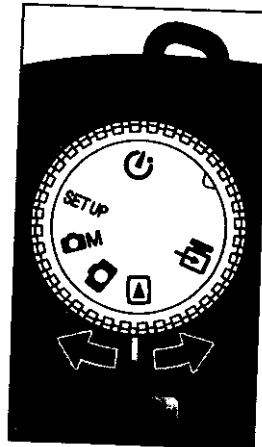
● When you change the SmartMedia, always switch the camera off before you open the SmartMedia slot cover. If you open the slot cover without switching the camera off, the frame number memory will not function.

● File numbers run from 0001 to 9999. Once 9999 is exceeded, the directory number goes up by 1. The maximum number is 999-9999.

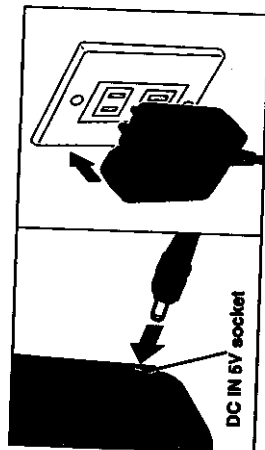
● If you switch the Frame No. Memory function off, the highest file number stored by the function is reset.



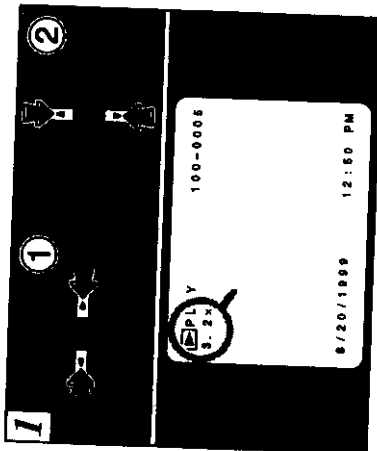
4 Advanced Features Playback



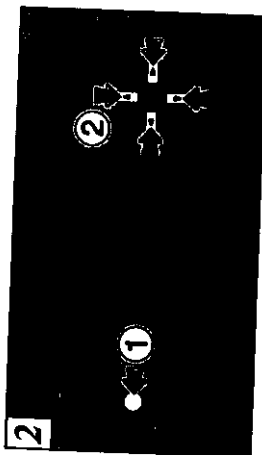
This section explains the advanced functions that are available when the Mode dial is set to "G". All the explanations in this section assume that the Mode dial is already set to "G".



If there is a power outlet available, connect the AC-5V AC Power Adapter to ensure that you do not lose power while you are viewing images or using the special effects functions.



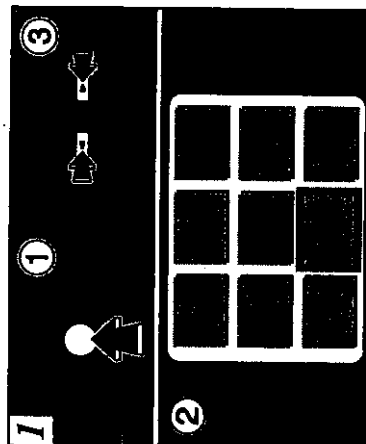
- ① Press "▲" or "▼" on the 4-direction button to display the image to be zoomed.
- ② Press "▲" or "▼" on the 4-direction button to select the zoom scale.



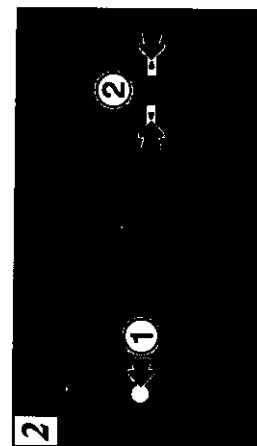
After you have zoomed an image, ① you can move around the image by holding down the "SHIFT" button, ② and pressing "▲", "▼", "▶", and "◀" on the 4-way button.

- Zoom scales up to 4.0X can be set in 0.2X increments.
- Pressing "▲" or "▼" during zooming cancels the zoom and advances to the next image.

- Press the "CANCEL/BACK" button to return to normal unscaled display.
- Pressing the "SHIFT" button displays the on-screen SHIFT CONTROL.

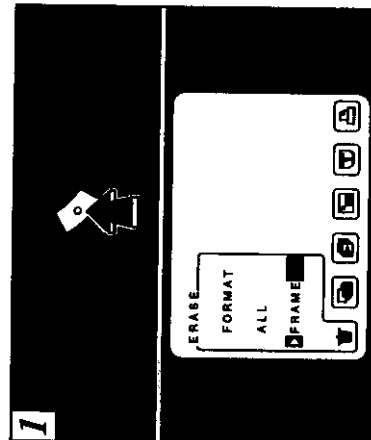


- ① Press the "DISP" button twice during playback.
- ② The 9-shot multi-frame playback screen appears.
- ③ Press "◀" or "▶" on the 4-direction button to select a frame. To view the selected frame as a full-size image, press the "DISP" button again.
- The LCD monitor text display disappears after approximately 3 seconds. Images cannot be displayed in succession.
- Playback zoom cannot be used with multi-frame playback.

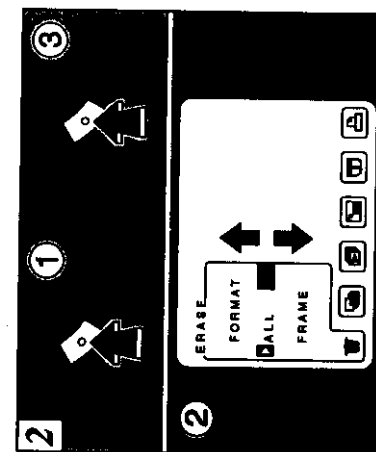


If you have taken more than 9 pictures, ① you can quickly skip to the next page of images by holding down the "SHIFT" button, ② and pressing "◀" or "▶" on the 4-way button.

- The "▲" and "▼" buttons are disabled during multi-frame playback.
- Pressing the "SHIFT" button displays the on-screen SHIFT CONTROL.
- Multi-frame playback is particularly useful for selecting images for single-frame erase, single-frame protect, DPOF frame specification or DPOF confirmation and cancellation.



If you press the "MENU/EXE" button, the menu screen will appear on the LCD monitor.



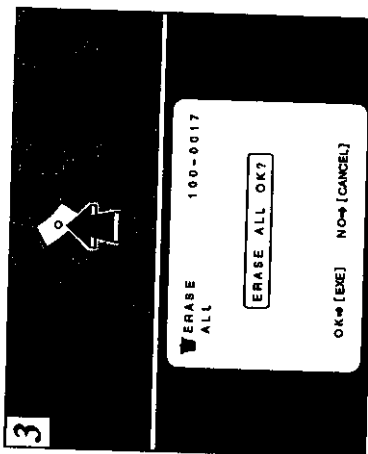
- ① Select "▼ ERASE"
 - ② Select "ALL" or "FORMAT".
 - ③ Press the "MENU/EXE" button.
- See P.35 for information on erasing single frames.



- **ERASE ALL**
This erases all of the images on the SmartMedia.
* The directories and protected images will not be erased.

- **FORMAT**
This erases all of the data on the SmartMedia and prepares (initializes) itself for use with the camera.
Use this command when the "[CARD NOT INITIALIZED]" or "[CARD ERROR]" message is displayed.
* The Directories and protected images will also be erased.

- If the "[CARD ERROR]" message is displayed, first try wiping the contact area (gold-colored area) on the card with a soft dry cloth and inserting the card again. If the error message continuously appears, format the SmartMedia.



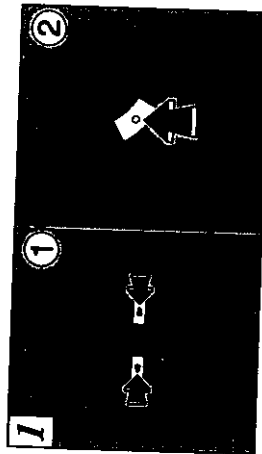
A confirmation screen appears. Press the "MENU/EXE" button to proceed with erasing the images or formatting the SmartMedia.



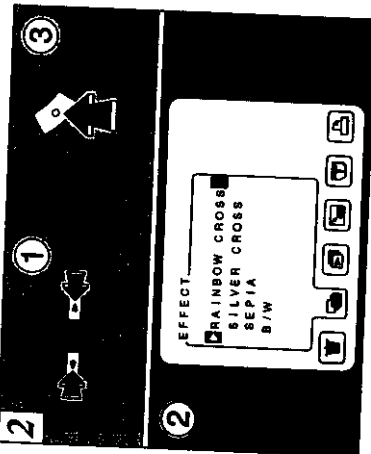
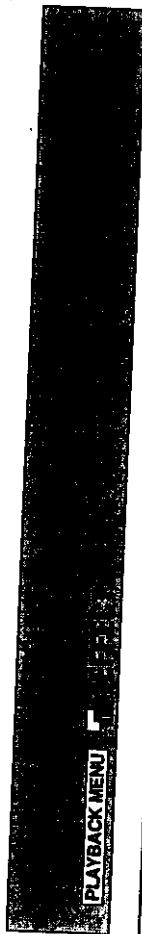
You can create your own image by applying special effects to a photographed image. The modified image is automatically saved as a separate image file, ensuring that the original image is preserved.

- **B/W** : Converts the image to a black and white image.
- **SEPIA** : Converts the image to sepia tones.
- **SILVER CROSS** : Adds shining highlights to the image.
- **RAINBOW CROSS** : Adds rainbow highlights to the image.

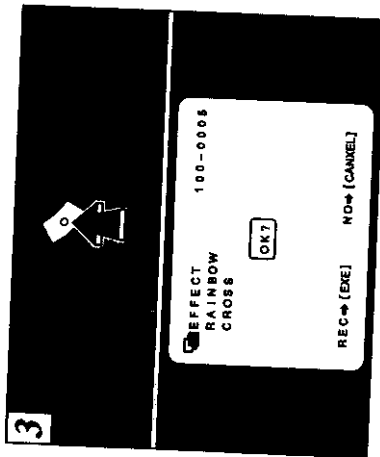
- There must be ample free space on the SmartMedia to save the image with the special effects applied.



- ① Display the image you want to modify on the LCD monitor.
- ② Press the "MENU/EXE" button to display the menu.

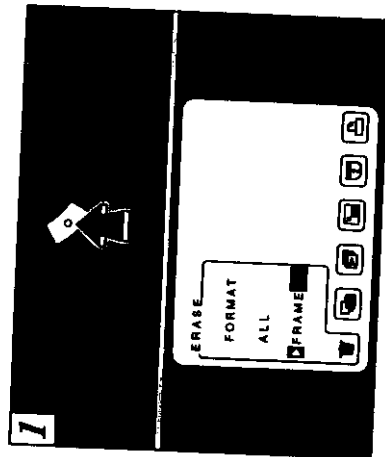


- ① Select "EFFECT".
- ② Select the effect you choose to use.
- ③ Press the "MENU/EXE" button.

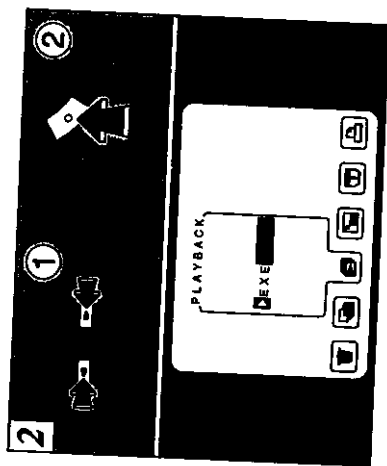


The modified image is displayed. To record the image, press the "MENU/EXE" button. The modified image is recorded as a separate image file.

- If the "[CARD FULL]" message appears, the image cannot be recorded. Erase some of the images on the SmartMedia to create more space.
- If you do not want to record the image, press the "CANCEL/BACK" button.



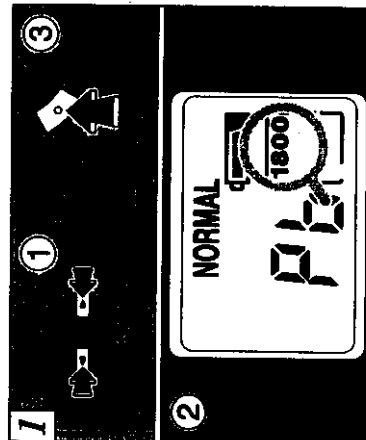
Press the "MENU/EXE" button to display the menu on the LCD monitor.



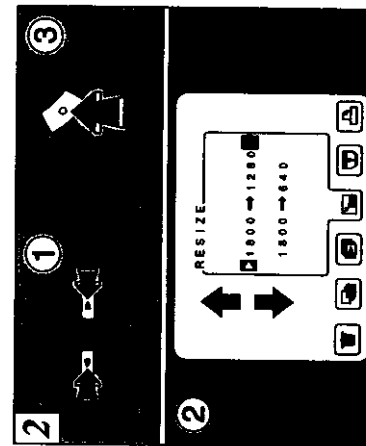
- ① Select "PLAYBACK".
- ② Press the "MENU/EXE" button. The images are automatically played back frame by frame.

- If you press the "DISP" button once when an image is displayed, "[Icon]AUTOPLAY" and the playback frame number are displayed on the LCD monitor.
- To interrupt automatic playback, press the "CANCEL/BACK" button while the image is displayed.

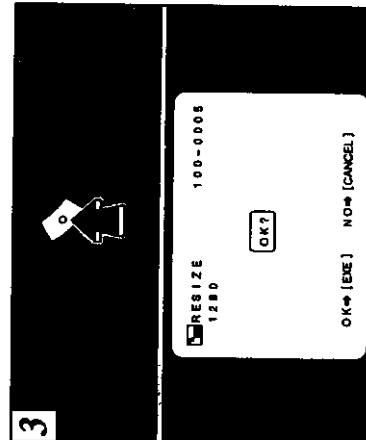
- The Auto Power Off function does not operate during automatic playback.



- ① Display the image you want to resize on the LCD monitor.
- ② Check that the file size shown on the LCD panel is [1800].
- ③ Press the "MENU/EXE" button to display the menu.



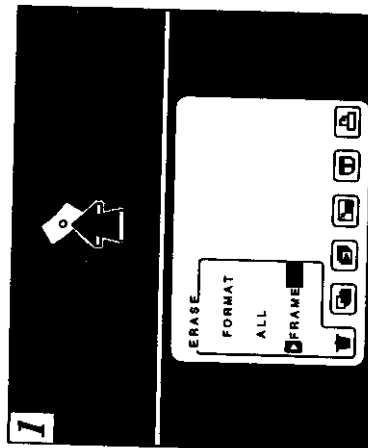
- ① Select "RESIZE".
- ② Select "1800 → 1280" or "1800 → 640".
- ③ Press the "MENU/EXE" button.



If the "[NOT 1800]" message appears, the size of the photographed image is not [1800]. Only images with a file size setting of [1800] pixels can be resized.

A confirmation screen appears. To proceed, press the "MENU/EXE" button. The resized image is recorded as a separate file.

- If the "[CARD FULL]" message appears, the image cannot be recorded. Erase some of the images on the SmartMedia to create more space.
- If you do not want to resize the image, press the "CANCEL/BACK" button.

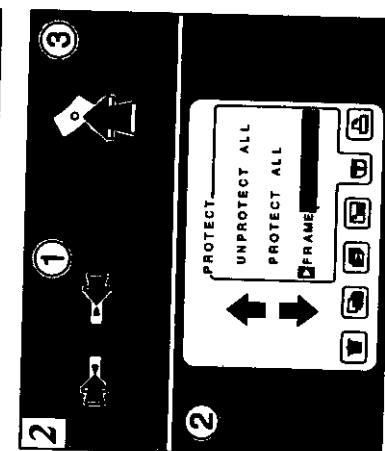


Press the "MENU/EXE" button to display the menu on the LCD monitor.

Protection:

A setting that prevents images from being inadvertently erased.

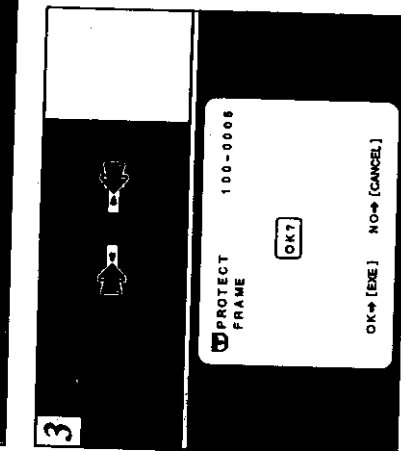
- Multi-frame playback is an easy way to select images to be protected.



① Select "PROTECT".

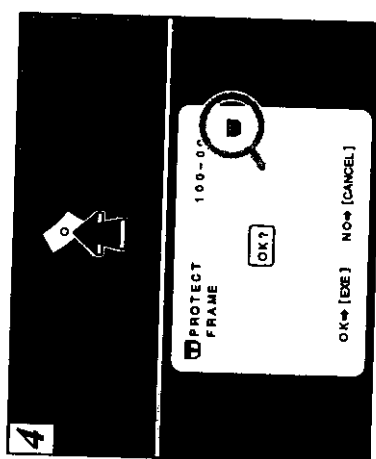
② Select "FRAME".

③ Press "MENU/EXE".



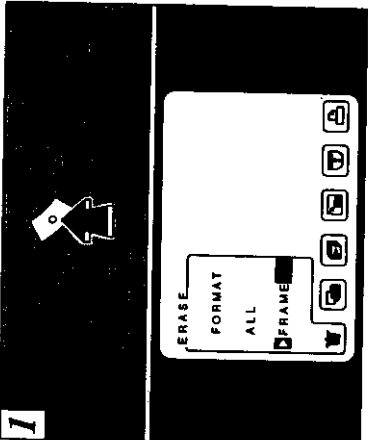
Use "◀" or "▶" to select the image to be protected.

- If you do not want to protect the image, press the "CANCEL/BACK" button.

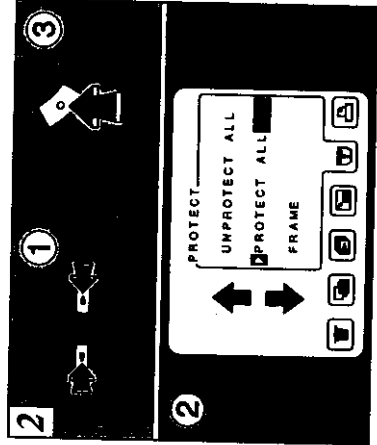


When the "MENU/EXE" button is pressed, the image is protected and the "T" icon appears on the right of the screen. To remove the protection, press the "MENU/EXE" button again. To finish setting and removing single-frame protection, press the "CANCEL/BACK" button.

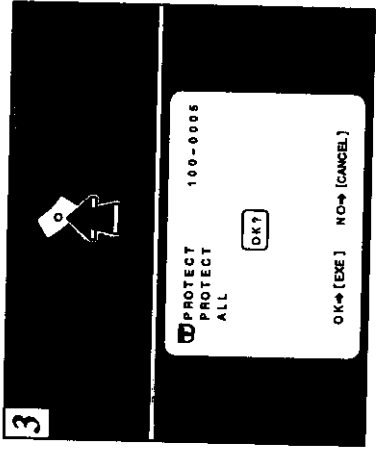
- To protect another image, repeat the procedure from step [3].
- Formatting erases all images, including protected images.



Press the "MENU/EXE" button to display the menu on the LCD monitor.



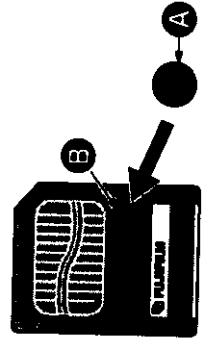
- ① Select "PROTECT".
- ② Select "PROTECT ALL" or "UNPROTECT ALL".
- ③ Press "MENU/EXE".



A confirmation screen will appear to proceed, press the "MENU/EXE" button.

SmartMedia Protection

Attaching a write-protect sticker to a SmartMedia ensures that you do not accidentally record or erase images or format the SmartMedia. Peeling off the sticker allows you to use the card normally again.



4

- * Ensure that the write-protect sticker **A** is attached within the designated area **B**.
- * Be cautious not to get injured from the edge of the write-protect sticker.
- * The SmartMedia may not be write-protected if the write-protect sticker is not clean.
- * See P.96 for more information on SmartMedia.

● Formatting erases all images, including protected images.



With the MX-2900 ZOOM, you can order prints using the Digital Print Order Format (DPOF).

You can use the DPOF to specify the following:

- The frames to be printed and the number of prints for each frame
- Imprinting of the date and time

This section gives a detailed description of how to order your prints with the MX-2900 ZOOM.

- * Note that some printers do not support date and time imprinting or specification of the number of prints.
- * Note that the warnings shown below may be displayed while you are specifying the prints.

[PRINT ORDERED FRAME] (P.99)

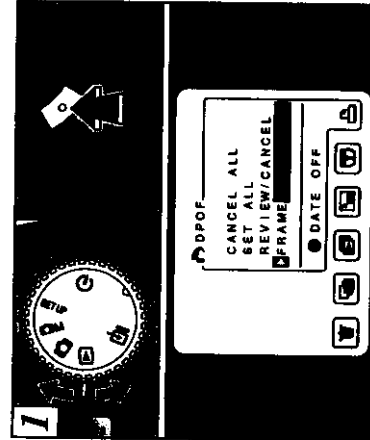
Frames specified for printing are automatically protected. To remove protection from those frames, you must cancel the print specification.

[RESET UNMATCHED DPOF ONLY] (P.99)

If you load a SmartMedia that contains frames specified for printing on another camera, those print specifications are all reset and replaced by the new print specifications.

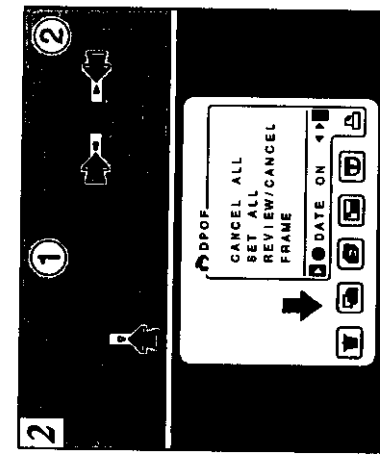
[CARD FULL] (P.98)

No more than 330 prints can be specified on the same SmartMedia.



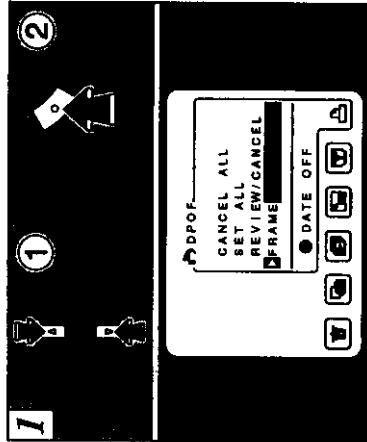
This function specifies whether the date and time of the shot are imprinted on the print.

- 1 Set the Mode dial to "P".
- 2 Press the "MENU/EXEC" button to display the menu on the LCD monitor.
- 3 Press "P" to select DPOF.



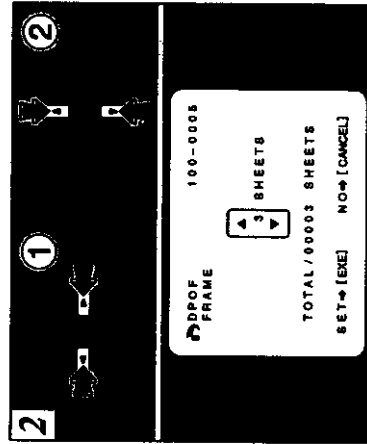
1 Select "P".

- 2 Press "P" to specify "DATE ON" or "DATE OFF". This setting is then valid for all the prints until the setting is changed.



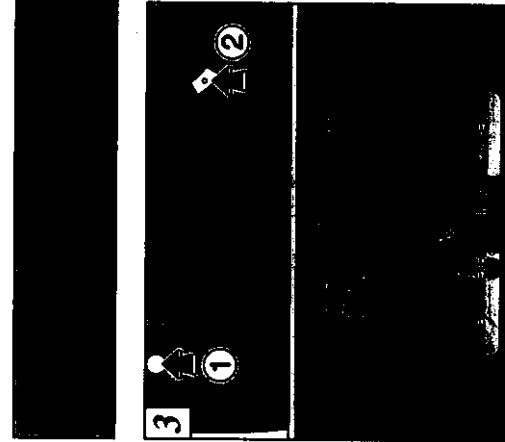
- ① Select "FRAME".
- ② Press the "MENU/EXE" button.

- Always specify the date setting before proceeding to other settings.
- If you specify "FRAME" and use cropping, and then specify "SET ALL", the number of frames specified in the "FRAME" and cropping settings is cancelled.



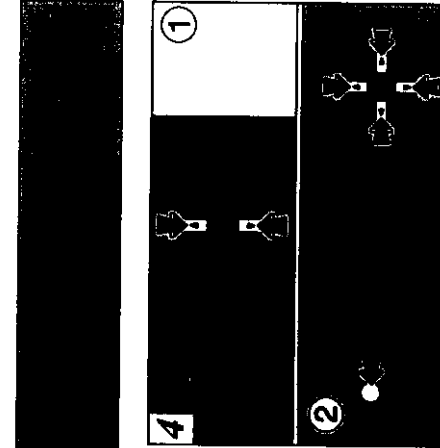
- ① Use "◀" or "▶" to display the frame to be specified.
- ② Use "▼" or "▲" to specify the number of prints.

- You can specify up to 99 prints for each frame.
- Prints can be specified for up to 999 frames on the same card.
- Multi-frame playback is an easy way to select images to be printed.



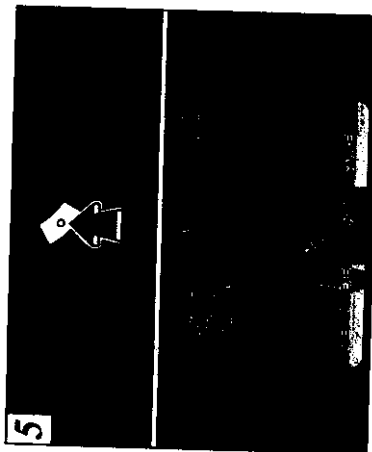
- ① If you hold down the "SHIFT" button ② and press the "MENU/EXE" button, the Crop Settings screen appears.

- Cropping cannot be specified for 640x480-pixel images.
- Pressing the "SHIFT" button displays the on-screen cropping guide.

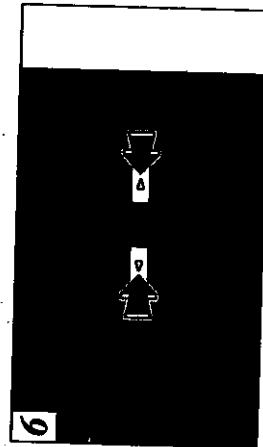


- ① Use "▲" and "▼" to zoom in and out.
- ② You can move the area to be cropped by holding down the "SHIFT" button and pressing "▲", "▼", "▶", or "◀" on the 4-direction button.

- The minimum file size for which cropping can be specified is 640x480 pixels. Attempting to crop smaller images than this will cause a warning beep.
- In cropping, the aspect ratio of the image is 3:4.

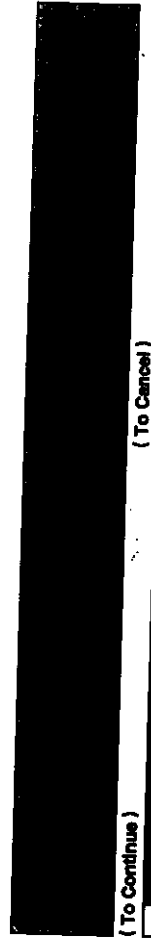


When you press the "MENU/EXE" button, the cropping settings are determined as shown in the image on the LCD monitor.

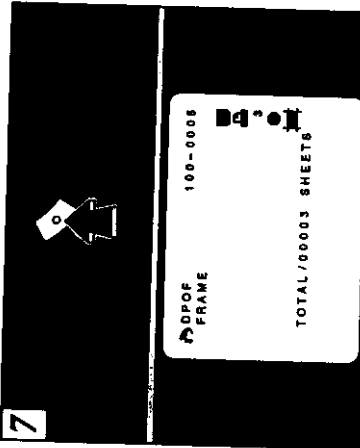


You can use "◀" or "▶" to display the next frame and specify the number of prints.

- The date setting is automatically confirmed for the specified number of prints, and those frames are then protected to prevent this information from being deleted.



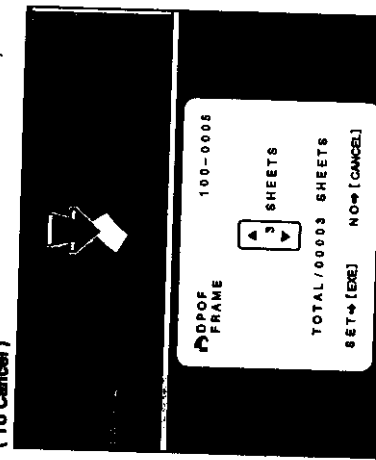
(To Continue)



When you have completed the settings, always press the "MENU/EXE" button to confirm the settings. The total number of prints is displayed on the LCD monitor and then the menu screen reappears.

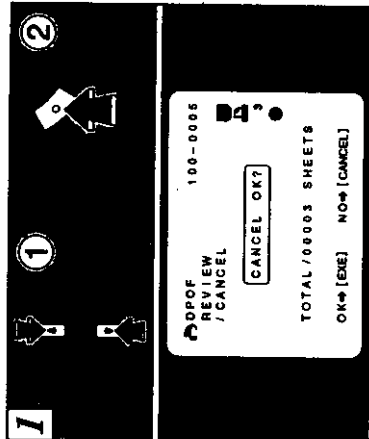
The "DPOF" and "FRAME" icons and the number of prints are displayed for the specified frames, "TOTAL" is displayed where the date is specified, and "SHEETS" is displayed where cropping is specified.

- "TOTAL" shows the total number of prints specified.

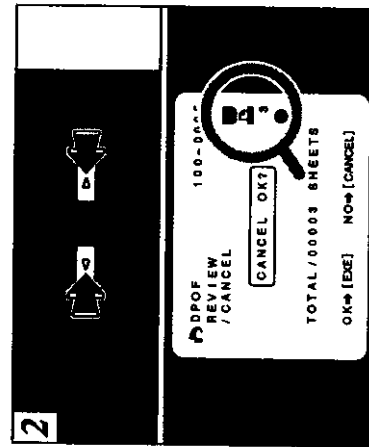


(To Cancel)

If you cancel the settings, only the settings for the currently selected frame are affected. Previous settings are confirmed.

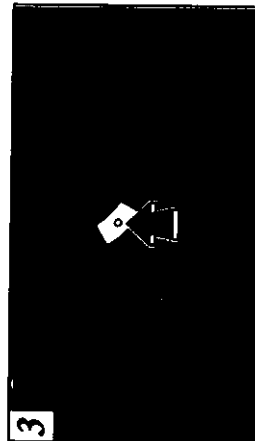


- 1 Select "REVIEW/CANCEL".
- 2 Press the "MENU/EXE" button.

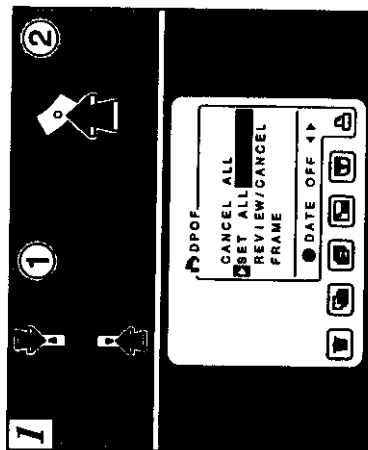


You can confirm the settings for only those frames with a specified number of prints by pressing "◀" or "▶". The settings for each frame are displayed on the right of the screen.

- Multi-frame playback is an easy way to select images (→P.64).
- If all the print specifications are cancelled, the "TOTAL" display reverts to "00000" and the background turns black.

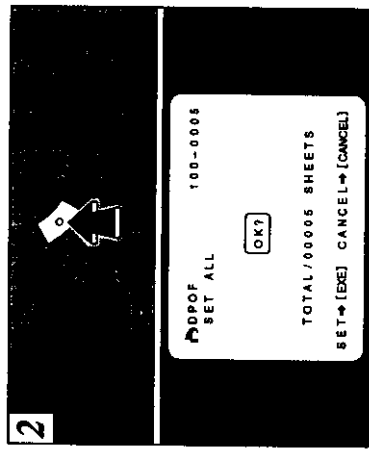


To cancel a print specification, display the image you want to cancel and press the "MENU/EXE" button.



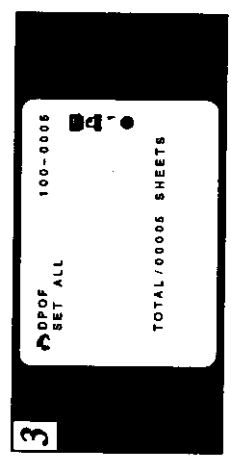
- 1 Select "SET ALL" or "CANCEL ALL".
- 2 Press the "MENU/EXE" button.

- The image remains protected when the print setting is cancelled. To remove the protection, see pages 72~75.



A confirmation screen appears. To continue, press the "MENU/EXE" button.

- "SET ALL" specifies 1 print for all the images.
- The SET FRAME specifications and cropping settings are cancelled.
- Prints can be specified for up to 999 frames on the same card. If you specify more than 999 frames, the "[DPOF FILE ERROR]" warning appears.

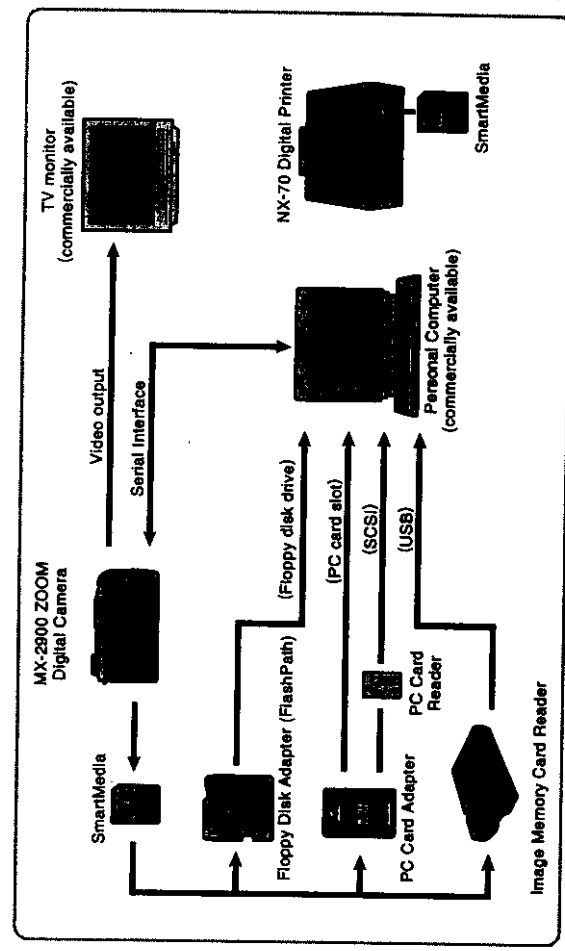


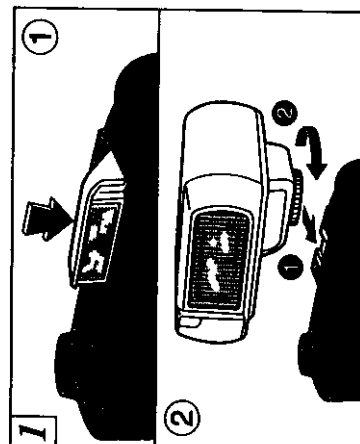
The total number of prints is displayed on the LCD monitor and then the menu screen reappears.

- "TOTAL" shows the total number of prints specified.
- If you cancel all the frames, the "TOTAL" display reverts to "00000".



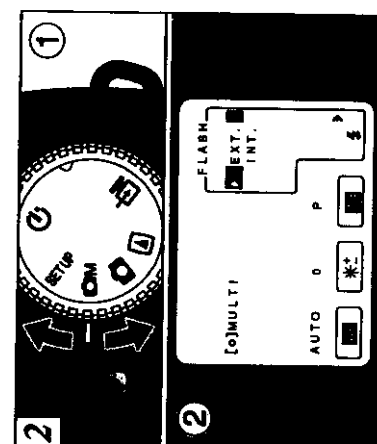
► By using the MX-2900 ZOOM together with other optional Fujifilm products, your system can be expanded to fill a wide range of uses.





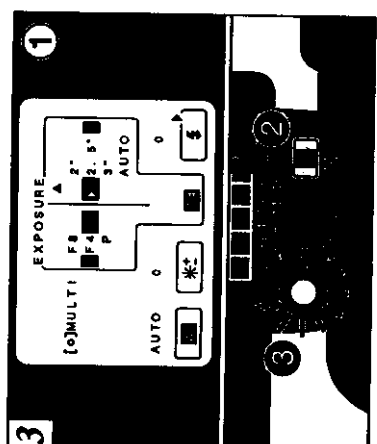
- 1 Close the built-in flash.
- 2 Fit the external flash into the camera's hot shoe mount.

- The built-in flash cannot be used at the same time as an external flash.



- 1 Set the mode dial to "EXT".
- 2 Select "EXT" from the "Flash" menu.

- An external flash can only be used when the mode dial is set to "EXT".
- When continuous shooting is specified, continuous flash firing may not be possible depending on the flash charge capacity and the shooting conditions.



- 1 Select F4 or F8 in the manual exposure setting.
- 2 Turn on the main switch of external flash.
- 3 When the flash completes charging, the ready lamp lights and the camera is ready to take pictures.

- <When using the GA Flash>
- For an aperture of F4, set the mode selector switch on the flash to "A1".
 - For an aperture of F8, set the mode selector switch on the flash to "A2".
- <Using a Third-party Flash Unit>
- An automatic flash with an ISO film speed setting should be used.
- Set the ISO film speed setting to a value around 160 or 200. Then take a picture and check the brightness before.

- The flash is synchronized for all shutter speeds.
- For manual exposure, the shutter speed should be set to 1/100 sec. If the subject is dark, a faster shutter speed will produce a dark background in which no detail is captured.
 - If you select a slow shutter speed, the likelihood of camera shake or subject blur is increased.
 - With the aperture set to "P", the camera does not have a mutual control function with the flash GA. If the aperture is not fixed at 1/4 or 1/8 in aperture-priority mode, exposure compensation may not be applied.

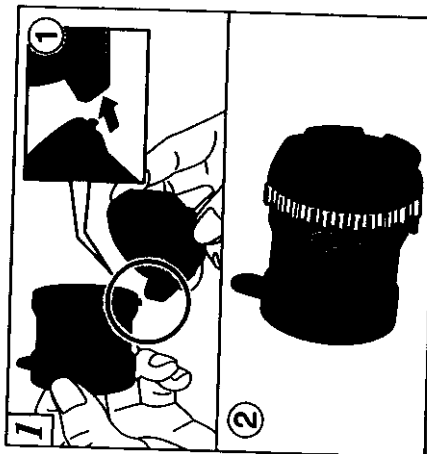


● **WL-MX29 Wide Conversion Lens (Including AR-MX29 Adapter Ring and Wide Conversion Lens)**

Multiplies the focal length of the lens by a factor of 0.8 (equivalent to a 28 mm wide-angle setting and an 84 mm telephoto setting on a 35 mm camera).

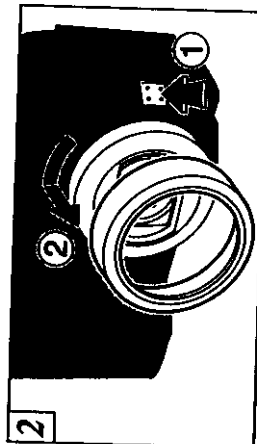
● **AR-MX29 Adapter Ring**

To use commercially-available filters (43 mm diameter), you need the adapter ring provided in the WL-MX29 or purchase the AR-MX29 Adapter Ring.

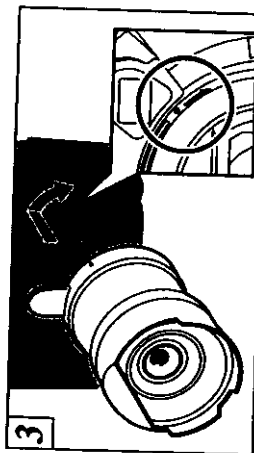


① As shown in the figure, align the projecting part on the adapter ring with the ditch of the wide-angle conversion lens.

② Turn the mounting screw on the wide-angle conversion lens in the direction of the arrow to attach it to the adapter ring.



Hold down the lens adapter mount lock release button ① and remove the lens adapter mount cover by turning it in the direction of the arrows ②.



Align the red positioning mark on the adapter ring with the red positioning mark on the camera and turn the adapter ring in the direction of the arrow until it locks in place.

- You cannot take pictures using the viewfinder. Use the LCD monitor to take pictures.
- Once you have attached the adapter ring, you cannot use the lens cap.

● Always make sure that the camera is switched off.

Accessories Guide

- ▶ The optional accessories (sold separately) can make taking pictures with the MX-2900 ZOOM even easier. For information on how to attach and use the accessories, refer to the instructions provided with the accessory used.

● SmartMedia™

These are separately available SmartMedia cards.

Use the 4 types listed below.

- MG-4S : 4MB, 3.3V
- MG-16S : 16MB, 3.3V
- MG-8S : 8MB, 3.3V
- MG-32S : 32MB, 3.3V



● Floppy Disk Adapter (FlashPath)

This adapter is the same size and shape as a 3.5-inch floppy disk. You can copy the images on a SmartMedia to your PC simply by loading the SmartMedia into the floppy disk adapter and then inserting the adapter into your floppy disk drive.

FD-A1	Windows95	5V/3.3V, 2MB to 8MB
FD-A1S		
FD-A1N	Windows95/98 Macintosh	5V/3.3V, 2MB to 16MB
FD-A2	Windows95/98, NT 4.0 Macintosh	5V/3.3V, 2MB to 32MB



● PC Card Adapter

The PC Card Adapter allows the SmartMedia to be used as a PC Card Standard ATA-compliant (PCMCIA 2.1) PC card (Type II).

- PC-AD2 Compatible with SmartMedia of 5V/3.3V, 2MB to 8MB.
- PC-AD3 Compatible with SmartMedia of 5V/3.3V, 2MB to 32MB.



● SM-R1 Image Memory Card Reader

The SM-R1 allows images to be read and written from an image memory card (SmartMedia) to a personal computer. Its USB interface provides high-speed data transmission.

- Windows98 or Power Macintosh with USB Interface.



● BC-80 Battery Charger

Use the BC-80 to charge the rechargeable battery quicker. Battery charging takes roughly 1 hour (charging an NP-80).



● NP-80 Rechargeable Battery

The NP-80 is a rechargeable lithium-ion battery.



● SC-MX29 Soft Case

5 Other Explanation of Terms

- AF/AE Lock:** On the MX-2800 ZOOM, pressing the shutter button down half way locks the focus and exposure settings (AF and AE lock). If you want to focus on a subject that is not centered in the frame or change the picture composition after the exposure is set, you can obtain good results by changing the composition after the AF and AE settings are locked.
- EV:** A number that denotes exposure. The EV is determined by the brightness of the subject and sensitivity (speed) of the film or CCD. The number is larger for bright subjects and smaller for dark subjects. As the brightness of the subject changes, a digital camera maintains the amount of light hitting the CCD at a constant level by adjusting the aperture and shutter speed. When the amount of light striking the CCD doubles, the EV increases by 1. Likewise, when the light is halved, the EV decreases by 1.
- Auto Power Off Function:** If the camera is not used in any way for two minutes or more, the Auto Power Off function switches the camera off. This is to prevent battery depletion and to avoid wasting power when the camera is connected to the AC power adapter. The Auto Power Off function can be disabled or enabled in setup mode. Factory set is enable.
- DPOF:** The Auto Power Off function does not operate during automatic playback or in PC mode. Digital Print Order Format DPOF is a format used for recording information on a storage media (image memory card, etc.) that allows you to specify which of the frames shot using a digital camera are printed and how many prints are made of each image.
- JPEG:** Joint Photographics Experts Group A file format used for compressing and saving color images. The compression ratio can be selected, but the higher the compression ratio, the poorer the quality of the expanded image.
- PC Card:** A generic term for cards that meet the PC Card Standard.
- PC Card Standard:** A standard for PC cards determined by the PCMCIA.
- PCMCIA:** Personal Computer Memory Card International Association (US).
- White Balance:** Whatever the kind of the light, the human eye adapts to it so that a white object still looks white. On the other hand, devices such as digital cameras see a white subject as white by first adjusting the color balance to suit the color of the ambient light around the subject. This adjustment is called matching the white balance. A function that automatically matches the white balance is called an automatic white balance function.

Notes on Using Your Camera Correctly

- ▶ Be sure to read this information in conjunction with before you use this product "Safety Notes" (⇒P.92) to ensure that you use your camera correctly.
- **Places to Avoid**
Do not store or use the camera in the following types of locations:
 ● Very humid, dirty or dusty places
 ● In direct sunlight or in places subject to extreme temperature rises, such as in a closed car in summer. Extremely cold places
 ● Places subject to strong vibrations
 ● Places affected by smoke or steam
 ● Places subject to strong magnetic fields (such as places near motors, transformers or magnets)
 ● For long periods in contact with chemicals such as pesticides or next to rubber or vinyl products
- **Do not expose the camera to sand.**
The MX-2800 ZOOM is particularly adversely affected by sand, in sandy locations such as beaches or deserts, or in locations where there is wind borne sand, ensure that the camera is not exposed to sand. This can cause faults that may be irreparable.
- **Notes on Condensation**
If the camera is carried suddenly from a cold location into a warm place, water droplets (condensation) may form on the inside of the camera or on the lens. When this occurs, switch the camera off and wait an hour before using the camera. Condensation may also form on the SmartMedia card. In this event, remove the SmartMedia and wait a short time before using it again.
- **When the Camera is Unused for Long Periods**
If you do not intend to use the camera for a long period, remove the batteries and the SmartMedia card before storing the camera.
- **Cleaning Your Camera**
 ● Use a blower brush remove dust from the lens and LCD surface and then wipe lightly with a soft, dry cloth. If any soiling remains, apply a small amount of lens cleaning liquid to a piece of Fujifilm lens cleaning paper and wipe gently.
 ● Do not scratch hard objects against the lens, LCD monitor screen or viewfinder as these surfaces are easily damaged.
 ● Clean the body of the camera with a soft dry cloth. Do not use volatile substances such as thinners, benzine or insecticide, as these may react with camera body and cause deformation or remove the coating.
- **Using the Camera Overseas**
When travelling overseas, do not place your camera in the check-in baggage. Baggage handling at airports may subject baggage to violent shocks, and the camera may be damaged internally even when no external damage is visible.

Notes on the Power Supply

Notes on Using the Battery

The MX-2900 ZOOM camera uses a rechargeable lithium-ion battery. Note the points below when using the rechargeable battery. Take particular care to read the Safety Notes to ensure that you use the battery correctly.

- When shipped, the NP-80 is not fully charged. Always charge the battery before using it.

Battery Features

- The battery gradually loses its charge even when not used. Use a battery that has been charged recently (in the last day or two) to take pictures.
- To maximize the battery life, switch the camera off as quickly as possible when it is not being used.
- In cold locations, the number of frames that can be shot decreases. Take along a spare fully charged battery.

You can also increase the amount of power produced by putting the battery in your pocket or another warm place to heat it and then loading it into the camera just before you take a picture.

If you are using a heating pad, take care not to place the battery directly against the pad. The camera may not operate if you use a depleted battery in cold conditions.

Charging the Battery

- The battery can be charged using the AC-5V AC Power Adapter supplied with the MX-2900 ZOOM. The battery takes approximately 8 hours to charge. If you use the BC-80 Battery Charger (sold separately), the battery can be charged in approximately 1 hour.
- This rechargeable battery does not need to be fully discharged or exhausted flat before being charged.
- The battery may feel warm after it has been charged or immediately after being used. This is perfectly normal.
- The battery can be charged at temperatures between 0°C and +40°C (+32°F and +104°F), but should be charged between +10°C and +30°C (+50°F and +86°F) to obtain maximum battery performance.
- Do not recharge a fully charged battery.

Battery Life

At normal temperatures, this battery can be used at least 300 times.

If the time for which the battery provides power shortens markedly, this indicates that the battery has reached the end of its effective life and should be replaced.

Handling the Battery

- Do not allow the metal portions of the battery to touch other metal objects.
- Do not bring the battery close to a flame or throw it into a fire.
- Do not attempt to disassemble or modify the battery.

- Do not drop the battery or otherwise subject it to strong impacts.
- Do not immerse the battery in water.

- Always keep the battery terminals clean.
- Store the battery in a cool, dry place. Storing the battery for long periods in a hot location can shorten the battery life.

If you use the battery for a long period, the camera body and the battery itself will become warm. This is normal and is not a malfunction. Use the AC power adapter supplied with the camera if you are taking picture or viewing images for a long period of time.

AC Power Adapter

Always use the AC-5V AC Power Adapter with the MX-2900 ZOOM Digital Camera.

The use of an AC power adapter other than the AC-5V could result in damage to your MX-2900 ZOOM Digital Camera.

- Ensure that you do not touch the AC power adapter against any other metal object as this could cause a short circuit.
- Do not plug the AC power adapter into the DIGITAL socket as this could damage your camera.
- Do not plug in the AC power adapter while you are using the battery. Switch the camera off first.
- Do not load the battery while you are using the AC power adapter. Switch the camera off first.
- If you disconnect the AC power adapter while there is no battery loaded in the camera, the date and time information will be lost. In this event, reset the date and time.
- If you plug in the AC power adapter when there is no battery loaded in the camera, the viewfinder lamp may flash red. This does not indicate a fault, however.

Notes on the SmartMedia™

■ SmartMedia

The SmartMedia card supplied with your MX-2800 ZOOM camera is a new image recording medium developed especially for use in digital cameras. Each SmartMedia card contains a built-in semiconductor memory chip (NAND flash memory) which is used for storing digital image data.

Because the data is stored electronically, the stored image data can be erased from the card and new data recorded.

■ Storing Data

In the situations listed below, recorded data may be erased (destroyed). Please note that Fuji Photo Film Co., Ltd. accepts no responsibility whatsoever for the loss (destruction) of recorded data.

- *When the SmartMedia is used incorrectly by the owner or a third party
 - *When the SmartMedia is exposed to static electricity or electrical noise
 - *When the SmartMedia cover is opened or the SmartMedia removed and the camera is then switched off during data recording, during data erasing (SmartMedia formatting) or during frame advances when images are being played back.
- Back up important data onto another medium (MO disk, floppy disk, hard disk, etc.).**

■ Notes on Handling SmartMedia

- When inserting the card into the camera, hold the SmartMedia straight as you push it in.
- Never remove the SmartMedia or switch the camera off during data recording, during data erasing (SmartMedia formatting) or during frame advance when images are being played back. These actions could result in damage to the SmartMedia.
- Use only the SmartMedia specified for use with the MX-2800 ZOOM. The use of other SmartMedia could damage the camera.
- SmartMedia are precision electronic devices. Do not bend, drop, or subject SmartMedia to excessive shocks.
- Do not use or store SmartMedia in environments likely to be affected by strong static electricity or electrical noise.
- Do not use or store SmartMedia in very hot, humid or corrosive environments.
- Take care not to touch the SmartMedia's contact area or allow the area to become soiled. Use a dry lint-free cloth to wipe away any soiling that does occur.
- To avoid damage caused by static electricity, always use the special static-free case provided during transportation or storage, or keep the SmartMedia in a storage case if available.

- Do not carry SmartMedia in locations such as a trouser pocket. This could subject the SmartMedia to excessive force when you sit down, thereby damaging the SmartMedia.
- The SmartMedia may feel warm when it is removed from the camera after extended periods of picture taking or image viewing. This is normal and does not indicate a fault.
- Inserting a SmartMedia that is charged with static electricity into your camera may result in a camera malfunction. If this occurs, switch the camera off and then on again.
- Affix the label onto the designated area of the card. Do not use third-party labels as this can lead to problems when the card is inserted or removed.
- When you attach the label, take care that it does not cover any of the write-protect area.

■ Notes on Using SmartMedia with a PC

- If you intend to take photos using a SmartMedia that has been used on a PC, format the SmartMedia on your camera.
- When you format a SmartMedia in the camera and then shoot and record images, a directory (folder) is automatically created. Image data is then recorded in this directory.
- Do not change or delete the directory (folder) names

or file names on the SmartMedia from your PC as this will make it impossible to use the SmartMedia in your camera.

- Always use the camera to erase image data on a SmartMedia.
- To edit image data, copy the image data to the computer's hard disk and then edit the copied data.
- To record or erase image data on a SmartMedia card from your PC, or to read images recorded on the SmartMedia using your MX-2800 ZOOM camera from your PC, use the Fujifilm PICTURE SHUTTLE Data Transfer Software provided with the Interface Set (included).

■ Specifications

Type	Image memory card for digital cameras (SmartMedia)
Operating voltage	3.3V
Operating conditions	Temperature: 0°C to 40°C Humidity: 80% or less (condensation free)
Dimensions	37 X 45 X 0.76mm (1.45 X 1.77 X 0.03in.) (W X H X D)

Warning Displays

▶ The table below lists the warnings that are displayed on the LCD monitor.

	The camera battery is low on charge.	Replace or recharge the battery.
	No SmartMedia is loaded, or it is loaded incorrectly.	Load a SmartMedia or reload the SmartMedia the correct way round.
	The SmartMedia is not formatted.	Format the SmartMedia.
	The SmartMedia terminals are sold. The SmartMedia is damaged. The SmartMedia format is incorrect.	Wipe the contact area on the SmartMedia with a soft dry cloth. It may be necessary to format the SmartMedia. If the error message is still displayed, replace the SmartMedia.
	• The SmartMedia is fully recorded. • More than 330 prints were specified in the DPOF setting.	• Erase some images or use a SmartMedia that has ample free space. • Cancel the DPOF settings in another image on the SmartMedia.
	The SmartMedia is write-protected.	Use a SmartMedia that is not write-protected.
	An attempt was made to playback incorrectly recorded data.	Images cannot be played back.
	An attempt was made to playback a frame not recorded on this camera.	Images cannot be played back.

	FL	The frame number has reached 999-9999.	Switch the Frame No. Memory function off and use a formatted SmartMedia to take the picture. If you continue to use the Frame No. Memory function, images will be recorded beginning from frame number 100-0001. Take one picture and then switch the Frame No. Memory function on.
	—	There is a strong likelihood of camera shake because the shutter speed is slow.	Set the flash to Forced Flash mode or use a tripod.
	—	A protected frame was erased.	Remove the protection.
	—	The AF (auto focus) cannot work effectively.	• If the shot is too dark, move at least 1.5 meters away from the subject and try again. • Use AF lock to take the picture.
	—	• The special effects functions cannot be used. • Images cannot be resized.	The functions cannot be used because the image file is in an unsupported format.
	—	The file has DPOF settings.	Cancel the DPOF settings. The protection can then be removed.
	—	The DPOF file contains an error. Alternatively, the DPOF file was set up on a different device.	Press the MENU/EXEC button to create a new DPOF file and specify all the DPOF settings again.
	—	The image is overexposed when manual exposure is used with the 1/4, AUTO setting.	Change the manual exposure setting to "P"(program auto) or set the aperture-priority AE setting to 1/8, AUTO.

Troubleshooting

► Before you decide the camera is faulty, check the following once more

No power	• The battery is exhausted. • The AC power adapter plug has come out of the power outlet. • The battery is exhausted.	• Use the camera to charge the battery. • Load a new battery. • Plug the adapter back in.
Power cuts out during operation.		• Use the camera to charge the battery. • Load a new battery.
Battery runs out quickly.	• You are using the camera in extremely cold conditions. • The terminals are soiled. • The battery is flat.	• Put the battery in your pocket or another warm place to heat it and then load it into the camera just before you take a picture. • Wipe the battery terminals with a clean, dry cloth. • Load a new fully charged battery.
No photograph is taken when the shutter button is pressed.	• No SmartMedia is loaded. • The SmartMedia is loaded the wrong way round or upside down. • All the frames on the Smart-Media contain recorded images. • The SmartMedia is write-protected. • The SmartMedia is not formatted. • The SmartMedia contact area is soiled. • The SmartMedia is damaged. • The Auto Power Off function has switched the camera off. • The battery is exhausted.	• Load a SmartMedia. • Load the SmartMedia correctly. • Load a new SmartMedia or erase a frame. • Remove the write-protection. • Format the SmartMedia. • Wipe the SmartMedia contact area with a clean dry cloth. • Load a new SmartMedia. • Switch the camera on. • Load a new fully charged battery.

I can't use the flash to take pictures.	• The Mode dial has been moved to another setting. • The flash is set to Suppressed Flash mode. • You pressed the shutter button while the flash was charging.	• Set the Mode dial to the correct setting. • Set the flash to Auto, Red-Eye Reduction or Forced Flash mode. • Wait until charging is completed before pressing the shutter button.
The flash will not charge.	• No compatible SmartMedia is loaded. • The camera is set to Suppress-see Flash mode. • The battery is exhausted.	• Load a new SmartMedia, erase a frame, or remove the write-protection. • Set the flash to Auto, Red-Eye Reduction or Forced Flash mode. • Load a new battery.
The playback image is too dark even though I used the flash.	• The subject is too far away.	• Move closer to the subject.
The playback image is blurred. I cannot format the SmartMedia.	• The lens is dirty. • The SmartMedia is write-protected.	• Clean the lens. • Remove the write-protection. (Peel off the write-protect sticker.)
I cannot erase all the frames.	• The frame is protected.	• Remove the frame protection.
Nothing happens when I use the camera buttons and switches.	• Camera malfunction. • The Mode dial has been moved to another setting.	• Use the "POWER" switch to switch the camera on again. • Remove the battery, re-insert them and try again.
No image appears when I press the "DISP" button.	• The Mode dial is set incorrectly.	• Move the Mode dial to the correct setting.
The camera will not focus. Auto Focus does not operate.	• The camera is set to "M" (Manual Focus).	• Cancel the "M" setting.

Specifications

System

- Model
- Digital camera
- Pickup Elements
- 1/1.7-inch CCD square pixel (2.3 million pixels)
- File Size
- 1,800 X 1,200 pixels / 640 X 480 pixels
- File format
- DCF-compliant (Exif ver.2.1 JPEG-compliant or TIFF-YC (uncompressed)), DPOF-compatible
- Storage media
- SmartMedia (3.3V)
- Number of frames recorded

	—	4.28 MB	0	1	3	7
HI	—	610 MB	6	12	24	49
FINE	Approx. 1/5	*1	4	8	18	36
	Approx. 1/4	*2	23	46	89	180
NORMAL	Approx. 1/10	*1	8	17	34	70
	Approx. 1/8	*2	44	89	163	330
BASIC	Approx. 1/20	*1	17	35	70	141
	Approx. 1/16	*2	69	141	246	496

*1 Top : 1,800 X 1,200pixel
*2 Bottom : 640 X 480pixel

- Viewfinder
- Real image optical ; Frame coverage : Approx. 80%
- Lens
- Fujinon optical 3x zoom lens
- Focus distance
- f = 7.4-22mm (equivalent to 35-105mm on a 35mm camera)
- Exposure control
- 64 zones TTL metering, program AE (exposure compensation available in Manual mode)
- Sensitivity
- Equivalent to ISO 125
- White balance
- Auto-selected (6 modes selectable in Manual mode)
- Focal range
- Normal : 0.8m/35.4in. to infinity
- Macro : 25cm/9.8in. to 0.9m/3.54in.
- Electronic shutter
- Variable-speed, 1/4 to 1/2,000 sec. (using AE)
- 3 to 1/1000 sec. (using manual exposure)
- Flash
- Auto flash using flash control sensor
- Effective range : wide 0.4m-3.5m
- Tele 0.4m-2.5m
- Flash modes : Auto, Red-Eye Reduction, Forced Flash, Suppressed Flash
- LCD monitor
- 2-inch, low-temperature polysilicon TFT 130,000 pixels
- Video output
- NTSC (US/Canada model) / PAL (Europe / model)
- Self-Timer

Input/Output Terminals

- Video Output
- Mini jack (1), 1Vpp, 75Ω, unbalanced, synchronized negative
- Digital (RS-232C)
- Stereo mini-jack (ø2.5mm) (1) for image data input/output with a personal computer
- DC Input
- Socket for specified AC power adapter

Power Supply and Others

- Power supply voltage
- NP-80 rechargeable lithium-ion battery (included or sold separately) or specified AC-5V AC Power Adapter (included or sold separately)
- No. of available shots using battery (battery life)

NP-80 battery	Approx. 80 frames*	Approx. 250 frames*
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* With fully charged battery
This indicates the number of available frames shot consecutively at room temperature with a flash use rate of 50%.
Note that these figures may vary depending on the ambient temperature and the amount of charge in the battery.

- Conditions for use
- Temperature : 0°C to +40°C ; 80% humidity or less (no condensation)
- Camera dimensions (W/H/D)
- 129.5 X 88.5 X 59.8mm / 5.0 X 2.7 X 2.4in. (not including accessories and attachments)
- Camera mass (weight)
- Approx. 345g / 11.9oz. (not including accessories, batteries or SmartMedia)
- Accessories
- See P.7
- Optional Accessories
- See P.90

* These specifications are subject to change without notice.
* The LCD monitor on your digital camera is manufactured using advanced high-precision technology. Even so, small bright points and anomalous colors (particularly around text) may appear on the monitor. These are normal display characteristics and do not indicate a fault with the monitor. This phenomenon will not appear on the recorded image.

Safety Notes

- To ensure that you use your MX-2900 ZOOM camera correctly, read these Safety Notes and your Owner's Manual carefully beforehand.
- After reading these Safety Notes, store them in a safe place.

About the Icons

The icons shown below are used in this document to indicate the severity of the injury or damage that can result if the information indicated by the icon is ignored and the product is used incorrectly as a result.

- ⚠ WARNING** This icon indicates that death or serious injury can result if the information is ignored.
- ⚡ CAUTION** This icon indicates that personal injury or material damage can result if the information is ignored.

The icons shown below are used to indicate the nature of the information which is to be observed.

- △** Triangular icons notify the user of information requiring attention ("Important").
- ⊘** Circular icons with a diagonal bar notify the user that the action indicated is prohibited ("Prohibited").
- Filled circles with an exclamation mark notify the user of an action that must be performed ("Required").

⚠ WARNING	When a fault arises, switch the camera off and then remove the batteries and disconnect the AC power adapter. Continued use of the camera when it is emitting smoke, is emitting any unusual odor, or is in any other abnormal state can cause a fire or electric shock. ● Contact your Fuji dealer.
⊘	Do not allow water or foreign objects to enter the camera. If water or a foreign object has entered the camera, switch the camera off and then remove the batteries and disconnect the AC power adapter. Continued use of the camera can cause a fire or electric shock. ● Contact your Fuji dealer.
⊘	Do not place the camera on an unstable surface. This can cause the camera to fall or tip over and cause injury.

⚠ WARNING	Never attempt to modify or disassemble the camera. (Never open the casing.) Do not use the camera when it has been dropped or the casing is damaged. This can cause a fire or electric shock. ● Contact your Fuji dealer.
⊘	Do not use the camera in the bathroom or shower. This can cause a fire or electric shock.
⊘	Never attempt to take pictures whilst in motion. Do not use the camera while you are walking or operating a moving car or other vehicle. This can result in you falling down or being involved in a traffic accident.
⊘	Do not touch any metal parts of the camera during a thunderstorm. This can cause an electric shock due to induced current from the lightning discharge.

⚠ WARNING	Do not use the batteries except as specified. Load the batteries with the poles positioned as indicated by the ⊕ and ⊖ marks.
⊘	Do not heat, modify or attempt to disassemble the batteries. Do not drop or subject the batteries to impacts. Do not attempt to recharge lithium or alkaline batteries. Do not store the batteries with metallic products. Any of these actions can cause the batteries to burst or leak and cause fire or injury as a result.
⊘	Use only the batteries or AC power adapter specified for use with this camera. The use of other power sources can cause a fire.

Safety Notes

 CAUTION	 CAUTION
Do not use this camera in locations severely affected by oil fumes, steam, humidity or dust. This can cause a fire or electric shock.	Do not cover or wrap the camera or the AC power adapter in a cloth or quilt. This can cause heat to build up and distort the casing or cause a fire.
Do not leave this camera in places subject to extremely high temperatures. Do not leave the camera in locations such as a sealed vehicle or in direct sunlight. This can cause a fire.	Remove the batteries and disconnect the AC power adapter when you are cleaning the camera or if you intend to leave the camera unused for a long period. Failure to do so can cause a fire or electric shock.
Do not place heavy objects on the camera. This can cause the heavy object to tip over or fall and cause injury.	Do not use the flash close to anyone's eyes. This can cause temporary damage to the person's eyesight.
Do not move the camera while the AC power adapter is still connected. This can damage the power cord or cables and cause a fire or electric shock.	Request regular internal testing and cleaning for your camera. Build-ups of dust in your camera can cause a fire or electric shock. • Contact your Fuji dealer to request internal cleaning every 2 years.

EC Declaration of Conformity

We
Name :
Address :

Fuji Photo Film (Europe) G.m.b.H.
Heesenstrasse 31
40549 Dusseldorf, Germany

Product Name :
Manufacture's Name :
Manufacture's Address :

DIGITAL CAMERA FUJIFILM MX-2800 ZOOM
Fuji Photo Film Co., Ltd.
26-30, Nishiazabu 2-chome, Minato-ku,
Tokyo 106-8620, Japan

declare that the product

is in conformity with the following Standards

Safety : EN60065
EMC : EN5022 : 1984 + amendement 1 Classe B
EN50082-1 : 1992
EN50081-1 : 1992

following the provision of the EMC Directive (89/336/EEC, 92/31/EEC and 93/68/EEC) and Low Voltage Directive (73/23/EEC).

CE

Dusseldorf, Germany June 1, 1999
Place Date



Signature/Managing Director

Bij dit produkt zijn batterijen geleverd. Wanneer deze leeg zijn, moet u ze niet waggooien maar inleveren als KCA