



DIGITAL CAMERA **MX-1200**

1.3
MEGA
PIXELS



Getting Ready

1

Basic Photography

2

Advanced Features

3

Advanced Features
Playback

4

Advanced Features
Other

5

OWNER'S MANUAL

This manual will show you how to use your FUJIFILM DIGITAL CAMERA MX-1200 correctly. Please follow the instructions carefully.

Warning

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:

- Reorient 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.80) and make sure you understand them before using the camera.

EC Declaration of Conformity

We

Name :

Fuji Photo Film (Europe) G.m.b.H.

Address :

Heesenstrasse 31
40549 Dusseldorf, Germany

declare that the product

Product Name :

DIGITAL CAMERA FUJIFILM MX-1200

Manufacture's Name :

Fuji Photo Film Co., Ltd.

Manufacture's Address :

26-30, Nishiazabu 2-chome, Minato-ku,
Tokyo 106-8620, Japan

is in conformity with the following Standards

Safety : EN60065

EMC : EN55022 : 1994 + amendement 1 Classe B

EN50082-1 : 1992

EN61000-3-2 : 1995

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



Dusseldorf, Germany

October 1, 1999

Place

Date

Signature/Managing Director



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

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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.

- Fuji 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 induce 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 is a trademark 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 referring 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.

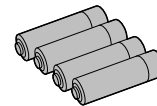
Camera Features and Accessories

Features

- High-quality images from the 1.31-million-pixel CCD and high-resolution Fujinon lens
- Records images at resolutions of up to 1280 X 960 pixels
- Compact, lightweight body
- 1.6-inch color LCD monitor
- Wide-angle field of view with Macro
- Built-in automatic flash with precise wide-range flash control
- Manual photography mode that allows for further flexibility.
- Digital 2 X zoom photography function and 4 X playback zoom
- Simple operation using a mode dial and 4-direction button
- Compatible with 3.3V, 2MB to 32MB SmartMedia
- Date and time recording/playback function
- PC mode for downloading image data to a personal computer
- Conforms to the new standard for digital camera file system*
* Design rule for Camera File system
- Support for DPOF* simplifies print ordering
* DPOF stands for "Digital Print Order Format"
- Can be used with the FD-A2 Floppy Disk Adapter, PC-AD3 PC Card Adapter and SM-R1 Image Memory Card Reader to download image data to a PC even easier

Accessories

- LR6 AA-size alkaline batteries (4)



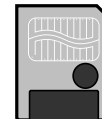
- Hand Strap (1)



- SmartMedia (1)

Supplied with:

- Anti-static case (1)
- Index labels (1set)
- Write-protect stickers (1set)

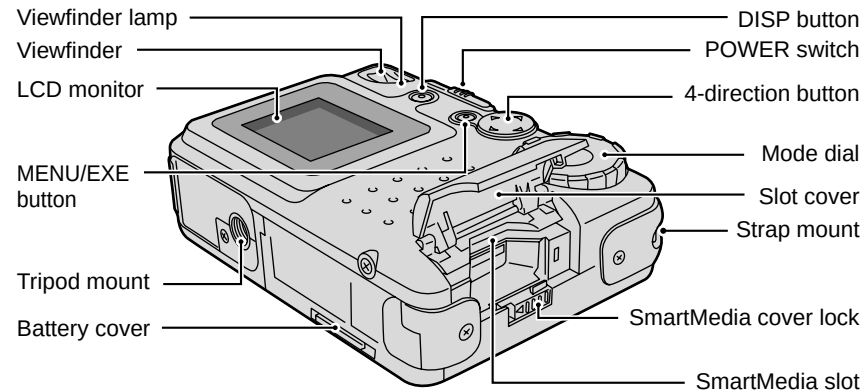
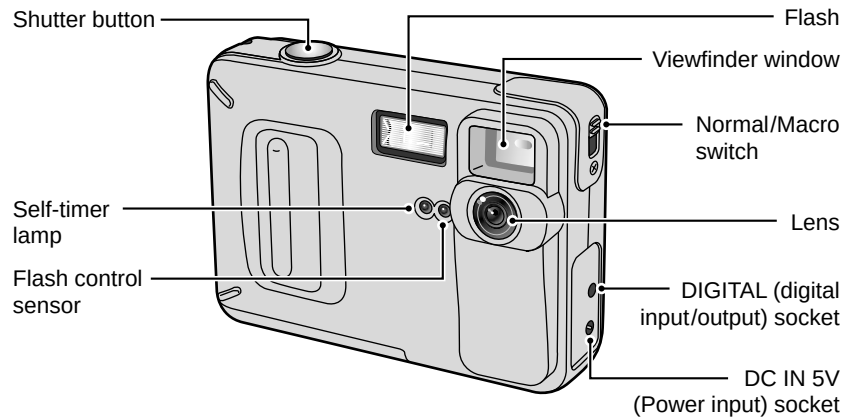


- Interface Set (1)

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

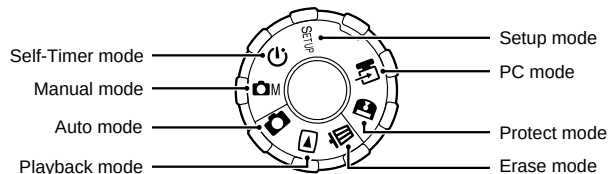
- Owner's Manual (this manual) (1)

Nomenclature



Nomenclature

Mode dial



SETUP : Setup mode (⇒P.43)

Use this mode to specify the QUALITY (image quality), FILE SIZE (number of pixels), SHARPNESS, FRAME NO. (frame number memory), BEEP (buzzer volume), DATE/TIME and RESET settings.

: Self-Timer mode (⇒P.41)

This mode allows you to take pictures using a 10-second timer.

: Manual mode (⇒P.37)

Manual mode allows you to check the photographed image before it is recorded. This mode also allows you to set the flash mode, white balance and brightness (exposure).

: Auto mode (⇒P.22)

This is a simple and convenient photography mode in which the camera automatically controls settings such as the exposure to suit the shooting conditions.

: Playback mode (⇒P.28, 46)

In addition to normal single-frame playback, Playback mode allows playback zoom and multi-frame playback. You can also use Playback mode to specify the settings for automatic playback, resizing and the DPOF function.

: Erase mode (⇒P.29, 58)

In Erase mode, you can erase single frames, erase all the frames on a SmartMedia, or format (initialize) the SmartMedia.

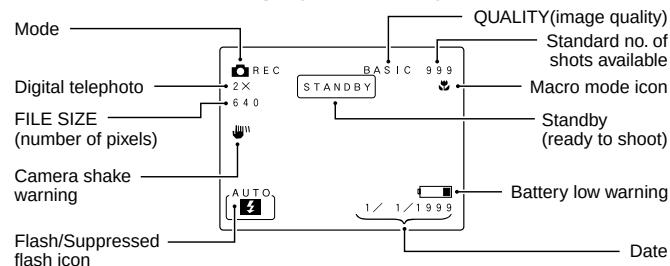
: Protect mode (⇒P.60)

Protect mode allows you to protect or remove the protection from one frame or all the frames on a SmartMedia.

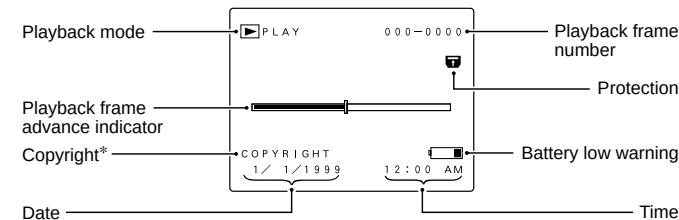
: PC mode (⇒P.64)

In PC mode, you can use the enclosed software to download your images to a personal computer.

Example of LCD Monitor Text Display : Shooting

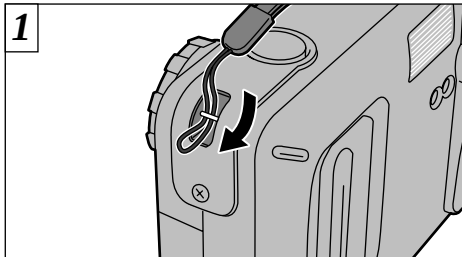


Example of LCD Monitor Text Display : Playback

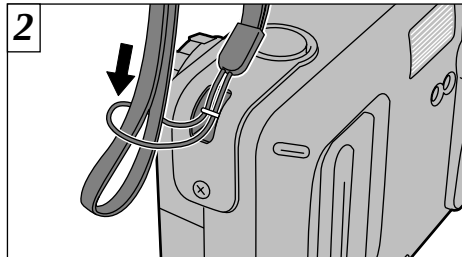


* The "COPYRIGHT" field is a feature of the software provided with the Interface Set (included), and appears when copyright information was entered on the camera that was used to shoot the displayed image. Refer to the instructions supplied with the software for details.

ATTACHING THE STRAP



Pass the loop of thin cord on the end of the strap through the strap mount.

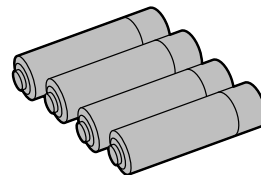


Then pass the other end of the strap through the loop of thin cord and pull the strap tight.

LOADING THE BATTERIES

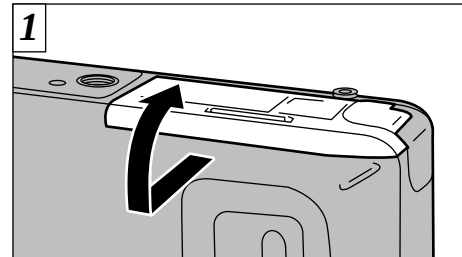
Applicable Batteries

Use 4 AA-size alkaline, Ni-MH or Ni-Cd batteries. Do not use different types of battery together.



◆ Important Battery Information ◆

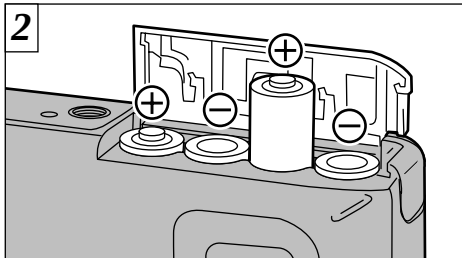
- It is a characteristic of alkaline batteries in particular that the life of the battery is shorter at low temperatures (+10°C or below).
- Do not use lithium or manganese batteries in your MX-1200 because the heat generated by the batteries could damage the camera.



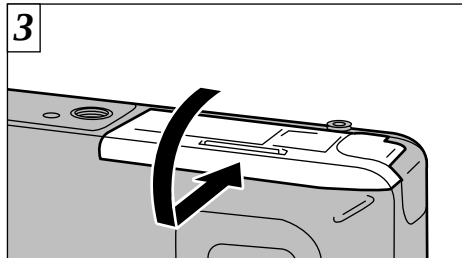
Slide the battery cover in the direction of the arrow and open the cover.

- ⚠ Do not apply excessive force to the battery cover.
- ⚠ Always switch the camera off when replacing the batteries. If the camera is left switched on, the camera settings may revert to the factory default settings.
- ⚠ Install replacement batteries within 5 minutes since the camera settings are only retained for 5 minutes once the batteries are removed.
- ⚠ Do not use new and used batteries together.

LOADING THE BATTERIES



Install the batteries with the correct polarity as shown.



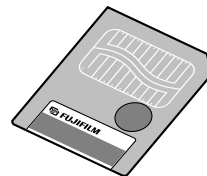
Close the battery cover as indicated by the arrow.

14 **!** Take care not to drop the batteries when opening and closing the battery cover.

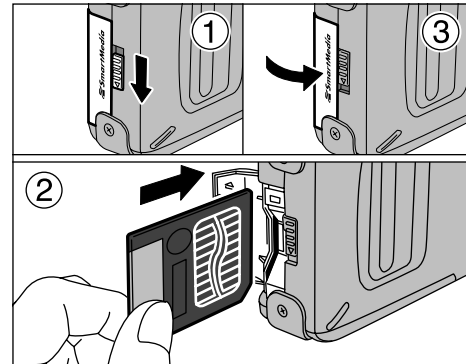
LOADING THE SmartMedia™

SmartMedia™

Only use 3.3V SmartMedia.
2MB, MG-4S (4MB)
MG-8S (8MB), MG-16S (16MB)
MG-32S (32MB)



- !** 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.63).
- !** 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.72 for more information on SmartMedia.



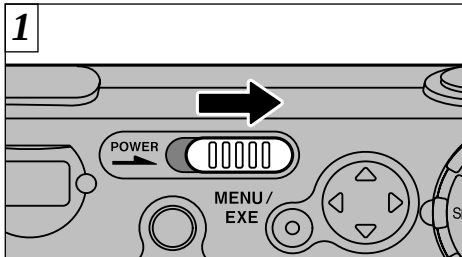
- ① Check that the camera is switched off and then release the slot cover lock.
- ② Push the SmartMedia firmly into the SmartMedia slot as far as it will go.
- ③ Close the slot cover.

- !** If you open the slot cover while the camera is switched on, the camera is automatically switched off to protect the SmartMedia.
- !** The SmartMedia will not slide fully into the slot if it is inserted facing the wrong way. Take care not to apply undue force to the SmartMedia.

1

15

SWITCHING ON AND OFF



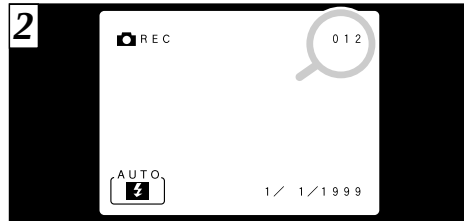
Slide the POWER switch in the direction of the arrow to switch the camera on or off. The viewfinder lamp lights [green] when you switch the camera on.

Auto Power Off Function

If the camera is left switched on for two minutes or more, the Auto Power Off function automatically switches the camera off.

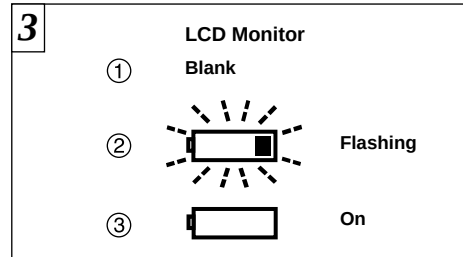
- ❗ To disable the Auto Power Off function, hold down the "MENU/EXE" button as you switch the camera on. To re-enable the Auto Power Off function, switch the camera off and then on again.

- ❗ Always switch the camera on before attempting to use it.



When you switch the LCD monitor on (→P.25), the standard number of shots available on the SmartMedia is displayed.

- ❗ The number of available shots displayed differs depending on the type of SmartMedia you are using.
- ❗ If "Err" 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.58).
- ❗ 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.

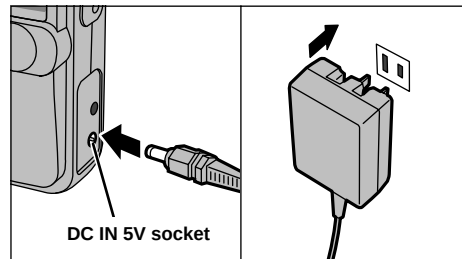


With the LCD monitor on, you can check the remaining charge in the battery.

- ① Battery fully charged.(No indicator displayed.)
- ② Battery charge low. Replace or recharge the battery as it will run out shortly.
- ③ The battery is exhausted. The display will shortly go blank and the camera will stop working. Replace or recharge the battery.

- ❗ If the battery charge is depleted, you may not be able to switch the LCD monitor on.

Using the AC Power Adapter

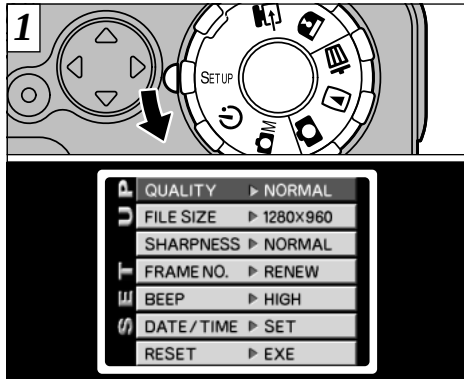


To shoot or play back images without depleting the battery charge, use the special AC Power Adapter AC-5V (sold separately).

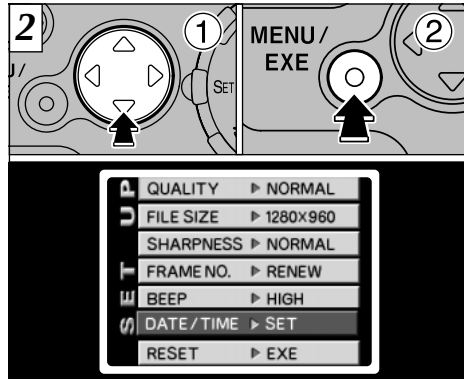
Check that the camera is switched off and then plug the AC power adapter connector into the "DC IN 5V socket" on the camera. Then plug the AC power adapter into the power outlet.

- ❗ 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.
- ❗ Using AC power adapters other than the AC-5V could damage the camera.
- ❗ See P.71 for more information on the AC power adapter.

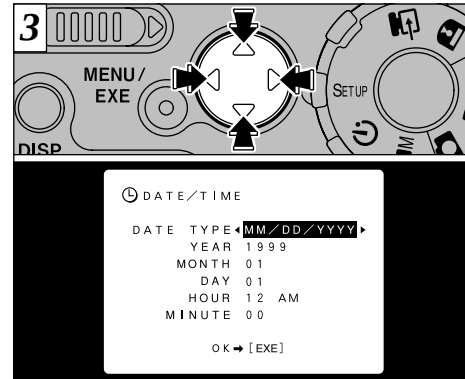
SETTING THE DATE AND TIME



Set the Mode dial to “SETUP” to display the SETUP screen.

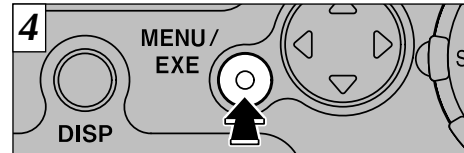


Press “▼” on the 4-way button ① to select “DATE/TIME” and then press the “MENU/EXE” button ②.



Use “▼” and “▲” on the 4-way button to select the desired item (DATE TYPE, YEAR, MONTH, DAY, HOUR or MINUTE) and then use “◀” or “▶” to change the setting.

⚠ When the time displayed passes “12:00:00”, the AM/PM setting automatically switches.

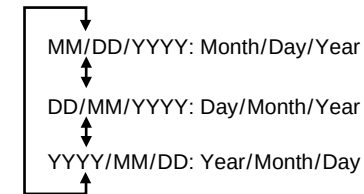


Once you have finished adjusting the date and time, press the “MENU/EXE” button to apply the new settings.

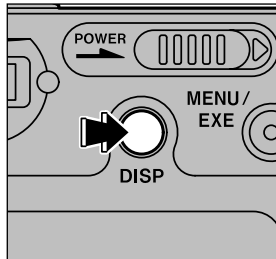
⚠ To set the time precisely, press the “MENU/EXE” button when the time is at zero seconds.

◆ DATE TYPE ◆

Press “◀” and “▶” on the 4-way button to select the display format of the date shown on the LCD monitor.



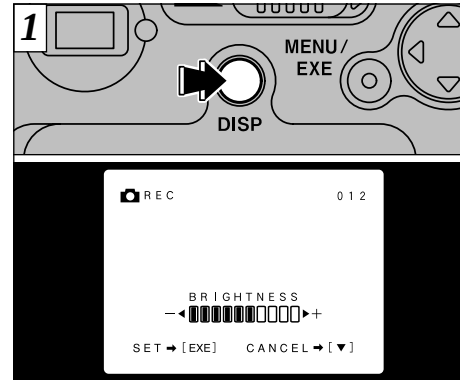
SWITCHING THE LCD MONITOR DISPLAY



The display status of the LCD monitor changes each time you press the “DISP” button. Operation differs depending on the mode.

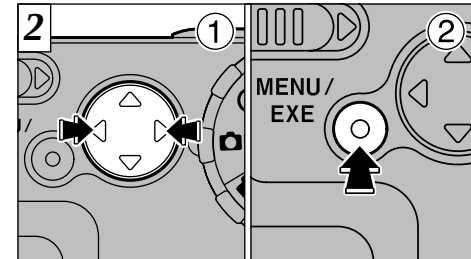
Mode	LCD Monitor Display Status
Self-timer mode	LCD monitor OFF → LCD monitor ON
Manual mode	Text display → LCD monitor ON → LCD monitor ON (no text)
AUTO mode	LCD monitor OFF → LCD monitor ON → LCD monitor ON (no text)
Playback	LCD monitor ON → LCD monitor ON (no text) → Multi-frame playback (→P.48)
Erase	LCD monitor ON → Multi-frame playback (→P.48)
Protect	
PC	Text display → LCD monitor OFF

ADJUSTING THE LCD MONITOR BRIGHTNESS



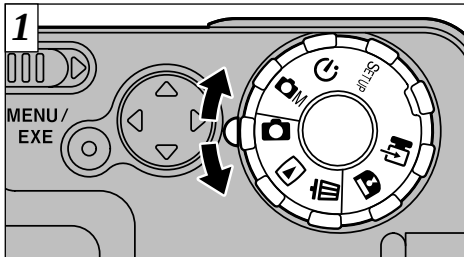
You can set the LCD monitor brightness when the Mode dial is set to “”, “M” or “”. Hold down the “DISP” button for approximately 2 seconds to display the brightness adjustment screen.

❗ The brightness control is only available when text is displayed on the LCD monitor. If the text is not displayed, push the “DISP” button until text is displayed.

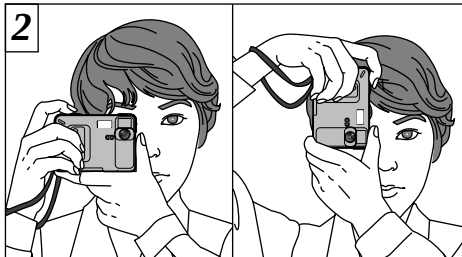


① Press “◀” or “▶” on the 4-direction button to adjust the brightness. ② Then press the “MENU/EXE” button to apply the setting.

❗ If you do not want to change the settings, press “▼” on the 4-way button.



1 Set the mode dial to “”.
LCD off mode decreases power consumption, allowing to take more pictures. (➡P.79)



2 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 so that the lens is below the flash.



3 Take care that your fingers or the carry strap do not cover the lens or flash control sensor.



4 Look through the viewfinder and point the camera so that the subject is in roughly the middle of the image.

! You can photograph subjects at distances of 70 cm (2.2 ft) to infinity.

! Check that the lens is clean. If it is dirty, clean the lens as described on P.69.

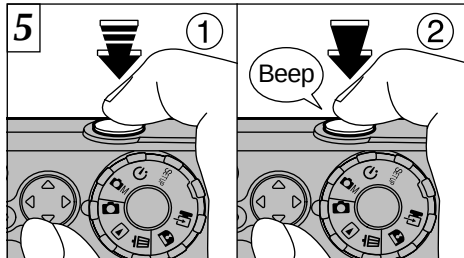
! The image will be blurred if the camera moves when you take the picture (camera shake).

! Shooting using LCD monitor is recommended when you want to do accurate adjustment of the range to be shot.

! If the subject is not in the middle of the image, take the picture using AE lock (➡P.68).



TAKING PICTURES USING THE VIEWFINDER (POWER-SAVING MODE)



- 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.

⚠ While the image data is being recorded, the viewfinder indicator turns orange and you cannot take pictures. Do not switch the camera off or open the battery cover or slot cover during data recording.

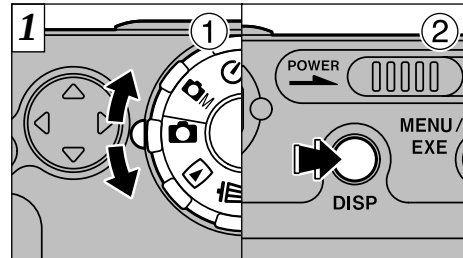
⚠ The viewfinder lamp flashes orange while the flash is charging.

◆ Viewfinder Lamp Display

Color	Status	Meaning
Green	Lit	Ready to shoot
	Flashing	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
		* When the LCD monitor is switched on, details of the warning are displayed on the monitor (➡P.74).



TAKING PICTURES USING THE LCD MONITOR



- ① Set the mode dial to "CAM".
- ② Press the "DISP" button to switch the LCD monitor ON.

⚠ If the date/time display on the LCD monitor is blinking, set the date and time. (➡P.18)

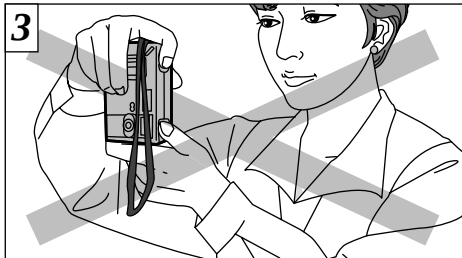
⚠ Check that the lens is clean. If it is dirty, clean the lens as described on P.69.



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.

⚠ The image will be blurred if the camera moves when you take the picture (camera shake).

TAKING PICTURES USING THE LCD MONITOR

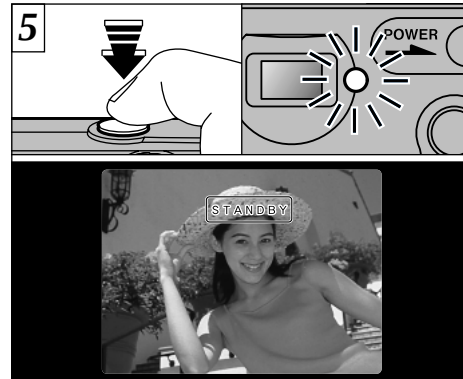


Take care to ensure that the lens, flash and flash control sensor are not obscured by your fingers or the strap.



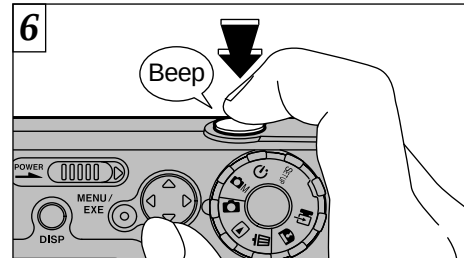
Look at the image on the LCD monitor and point the camera so that the subject is in roughly the middle of the image.

- ❗ If the image on the LCD monitor is difficult to see, adjust the monitor brightness (➡P.21).
- ❗ If the subject is not in the middle of the image, take the picture using AE lock (➡P.68).



When you press the shutter button down half way and "STANDBY" appears on the LCD monitor (the viewfinder indicator stops blinking and remains green), exposure setting is completed (AE lock ➡P.68).

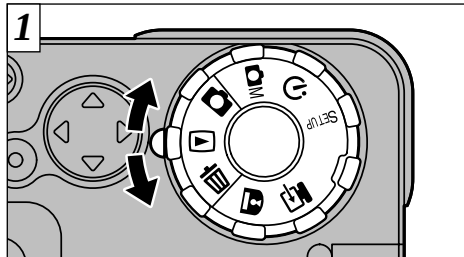
- ❗ The camera will not focus at distances of 70 cm or less even when "STANDBY" is displayed.



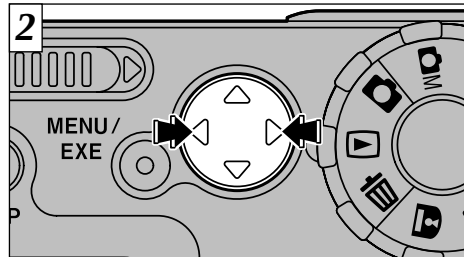
To take the picture, press the shutter button down fully without lifting your finger off it. The camera beeps and takes the picture, and the data is then recorded.

- ❗ While the image data is being recorded, the viewfinder indicator turns orange and you cannot take pictures. Do not switch the camera off or open the battery cover or 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.74 for information on the warning displays.

▶ VIEWING YOUR IMAGES (PLAYBACK)



Set the mode dial to “▶”



You can use “▶” and “◀” on the 4-direction button to move forward and backward respectively through your images.

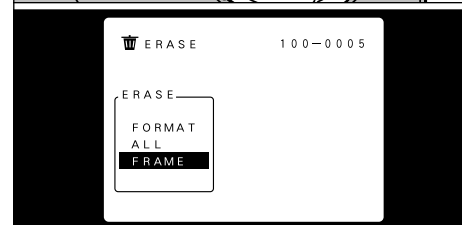
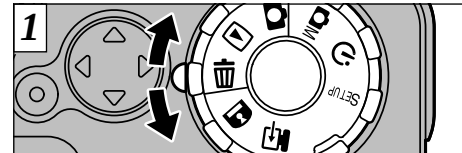
- ❗ When you set the mode dial to “▶”, the last image shot is displayed.
- ❗ If image on the LCD monitor is difficult to see, adjust the LCD monitor brightness (→P.21).
- ❗ If you press the “DISP” button once, the text displayed on the LCD monitor disappears.

- ❗ If you hold down “◀” or “▶” for approximately 3 seconds, the frame advance indicator “———” appears on the LCD monitor.

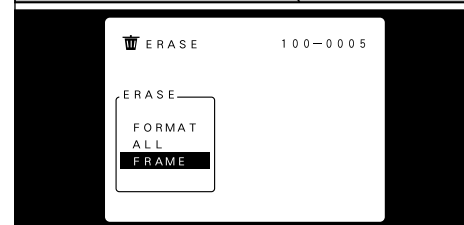
◆ Images That Can be Viewed on the MX-1200 ◆

You can use this camera to view images recorded on an MX-1200 or images recorded onto a 3.3V SmartMedia using a Fujifilm MX series and DX series digital camera.

🗑 ERASING SINGLE FRAME



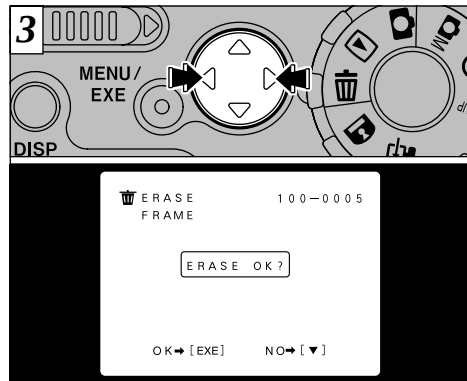
When you set the Mode dial to “🗑”, the menu appears on the LCD monitor.



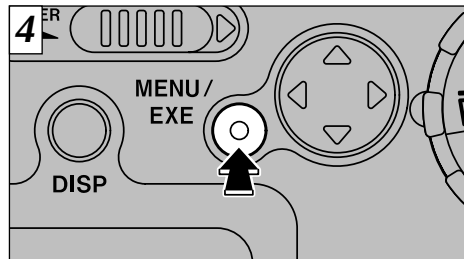
With “FRAME” selected, press the “MENU/EXE” button.

- ❗ See P.58-59 for details of other menus in Erase mode.

ERASING SINGLE FRAME



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

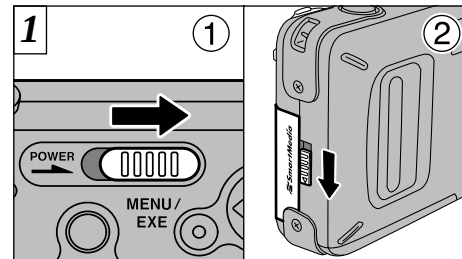


Press the “MENU/EXE” button to erase the displayed image. When erasing is complete, the next image appears and the “ERASE OK?” message is displayed.

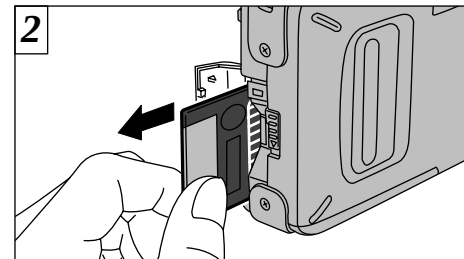
- ❗ To continue erasing images, repeat the procedure from step 3.
- ❗ If “PROTECTED FRAME” is displayed, the image protection must be removed to erase the image (→P.60).

❗ To cancel image erasing mid-way, press “▼” on the 4-way button.

REMOVING THE SmartMedia™



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

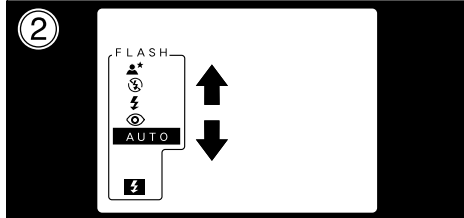


Grip the SmartMedia and pull it out.

❗ To protect the SmartMedia, always store it in the special anti-static case.

◆Printing Images and Downloading Images to a Personal Computer◆

- See P.52, 65 for information on printing your images.
- See P.64 to 65 for information on downloading your images to a personal computer.



AUTO Auto flash mode

Use this mode for ordinary photography. 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 Reduction" cannot be selected in Macro mode.

◆ 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.



⚡ 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.

⚡ FLASH MODE



🚫 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.68) operates so that natural colors are captured along with the ambience of the available light.

- ⚠ If you use Suppressed Flash mode in dark conditions, use a tripod to prevent camera shake.
- ⚠ See P.24 and P.75 for information on the camera shake warning.



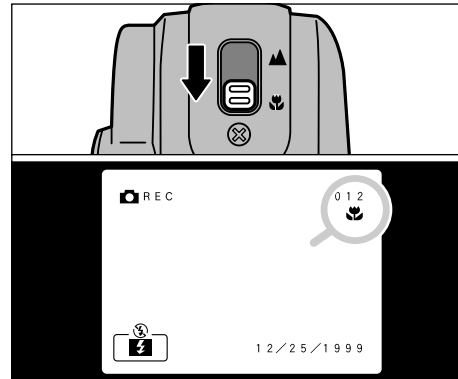
👤★ Night Scenes (Slow Synchro)

This mode allows you to use the flash with a slow shutter speed (1/2sec.).

This mode allows you to take beautiful pictures that show your subject and still capture the background.

- ⚠ Because slow shutter speeds are used, you should use a tripod to prevent camera shake.

🌸 MACRO (CLOSE-UP) MODE



When you set the Normal/Macro selector button to the “🌸” icon, “🌸” appears on the LCD monitor and the camera switches to Macro mode.

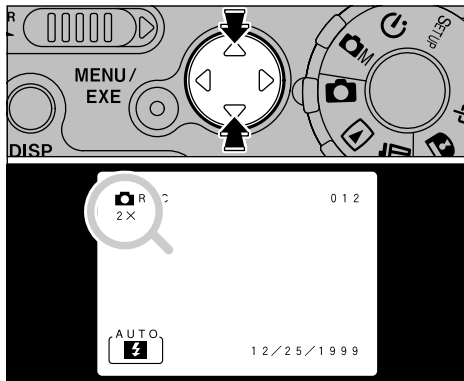
Set the Normal/Macro selector button to the “📶” icon to return to Normal mode.

- ⚠ The LCD monitor is automatically switched on.
- ⚠ When you cancel Macro mode, the flash reverts to its previous mode.
- ⚠ The LCD monitor remains switched on.

Macro mode allows you to take close up shots of subjects only 10cm (3.9 in.) from the camera. In this mode, when the flash mode is set to “AUTO” or “👁 Red-eye Reduction”, the mode is automatically changed to “🚫 Suppressed Flash”.

- ⚠ When shooting in dark conditions, use a tripod to prevent camera shake.
- ⚠ To use the flash, display the menu and set the flash mode to “⚡ Forced Flash” or “👤★ Slow Synchro”. Note that the “AUTO” and “👁 Red-eye Reduction” modes cannot be used.
- ⚠ 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.

USING THE DIGITAL TELEPHOTO



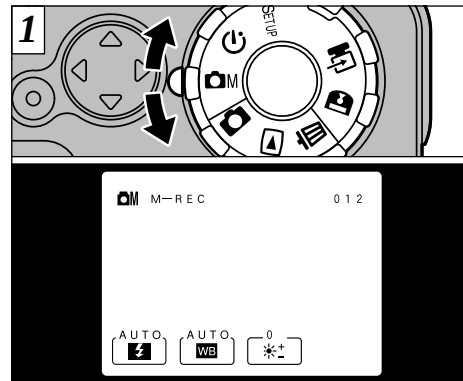
Pressing “▲” on the 4-way button during photography (in any photography mode) allows you to zoom in on your subject, roughly doubling (2X) the size of the central part of the image. The zoom scale is shown on the LCD monitor. Pressing “▼” restores the normal image.

! This function does not operate with the LCD monitor switched off.

36 ! Use the LCD monitor to take pictures.

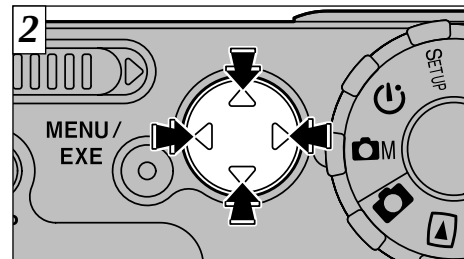
- If the digital telephoto is used when FILE SIZE (number of pixels) is set to [1280 × 960], the image is recorded at 640 × 480 pixels. (→P.43)
- If FILE SIZE (number of pixels) is set to [640 × 480], the number of pixels recorded (the image size) does not change when the digital zoom is used.

MANUAL MODE



Set the Mode dial to “M”. The settings menu is displayed.

! When you want to view the image on the LCD monitor, press the “DISP” button.



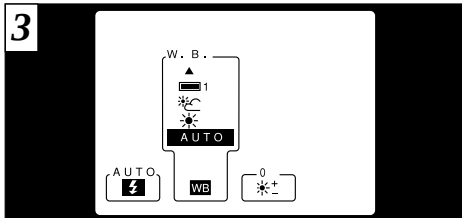
Use “◀” and “▶” on the 4-direction cursor to move around the menu and “▲” and “▼” to select a setting.

See P.32-34 for more information on the flash modes.

◆ Factory Default Settings

Menu	Setting
⚡ Forced Flash	AUTO
WB White Balance	AUTO
⚡ Brightness(EV)	0

*The above settings are the same as those used in Auto mode.



WB 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.68 for more information on the white balance.

! To take the picture immediately, press the "MENU/EXE" button to apply the white balance setting.

AUTO : Automatic adjustment
(Shooting to show the ambience of the light source)

☀ : Shooting outdoors in fine weather

☁ : Shooting in shade

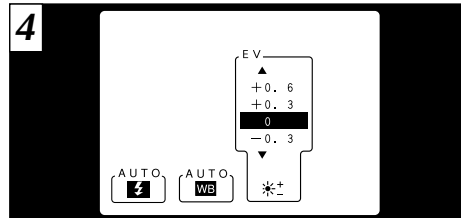
1 : Shooting under "Daylight" fluorescent lamps

2 : Shooting under "Warm White" fluorescent lamps

3 : 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.68 for a definition of EV.

! The Brightness setting is disabled in the following situations:

- When the flash is used in Auto or Red-eye Reduction mode
- When dark scenes are shot in Forced Flash mode

Subjects for Which Exposure Adjustment is Particularly Effective

Positive (+) Compensation

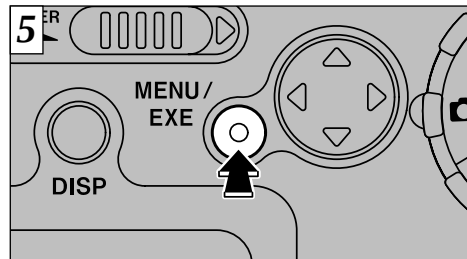
- Copying of printed text (black characters on white paper) (+1.5 EV)
- Backlit portraits (+0.6 to +1.5 EV)
- Very bright scenes (such as snowfields) and highly reflective subjects (+0.9 EV)
- Shots made up predominantly of sky. (+0.9 EV)

Negative (–) Compensation

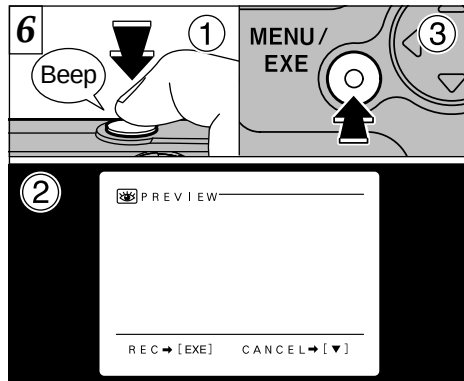
- Spotlight subjects, particularly against dark backgrounds (–0.6 EV)
- Copying of printed text (white characters on black paper) (–0.6 EV)
- Scenes with low reflectivity, such as shots of pine trees or dark foliage (–0.6 EV)

* Settings given in parentheses are a general guide.

MANUAL MODE



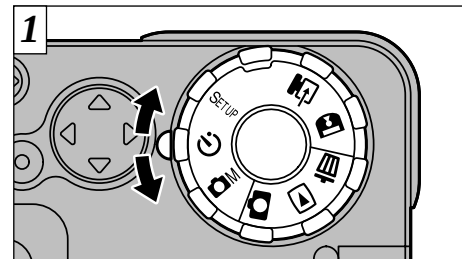
When you have finished the menu settings, press the “MENU/EXE” button to apply the settings. These settings are retained even when the camera is switched off.



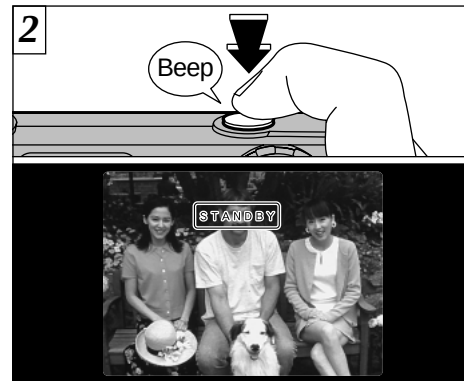
- ① Press the shutter button to take the picture.
- ② The photographed image appears on the LCD monitor.
- ③ To record the image, press the “MENU/EXE” button.

❗ If you are not satisfied with the photographed image, press “▼” to stop the image being recorded onto the SmartMedia. Then take the shot again.

SELF-TIMER MODE



Set the Mode dial to “”.



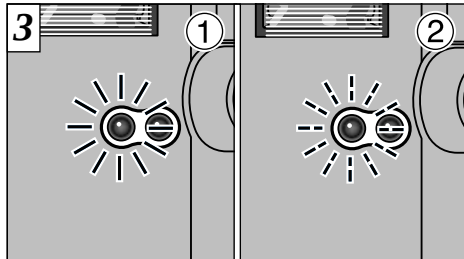
Compose the shot so that the subject is roughly in the center of the viewfinder or LCD monitor and then press the shutter button to set the correct exposure for the subject and start the timer running.

❗ Do not stand in front of the camera when you press the shutter button as this will result in the incorrect brightness (exposure) setting.

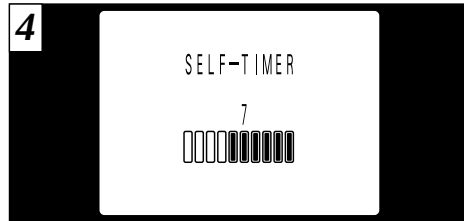
❗ If you leave the batteries out of the camera for 5 minutes or longer, or remove the batteries while specifying the camera settings, the settings may revert to the factory default settings.

❗ Check that the lens is clean. If it is dirty, clean the lens as described on P.69.

SELF-TIMER MODE



- ① The self-timer lamp lights for about 5 seconds
- ② and then blinks for another 5 seconds, then the camera takes the picture.



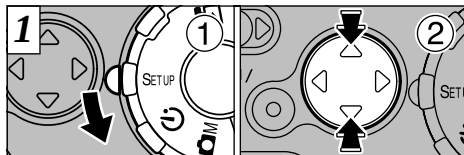
The time remaining until the picture is taken is counted down on the LCD monitor.

SETUP SETUP MODE

► The table below explains the camera settings

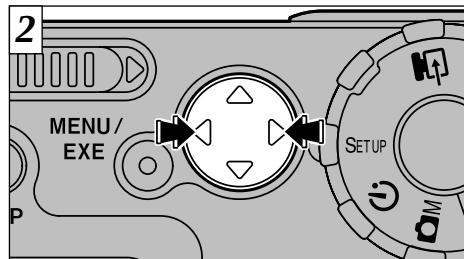
Settings	Display	Factory default	Explanation
QUALITY (Image quality)	FINE/NORMAL/BASIC	NORMAL	You can select any of 3 levels of quality (recorded image compression ratio), depending on the type of shot. The standard number of available shots varies depending on the selected image quality (►P.78).
FILE SIZE (Number of pixels)	1280X960/640X480	1280X960	You can select either of two file size settings (image sizes) depending on the type of shot. The standard number of available shots varies depending on the selected file size.
SHARPNESS	HARD/NORMAL/SOFT	NORMAL	Can be set to 3 levels: HARD : Best for shots such as pictures of text where clarity is particularly important (sharpened outlines). NORMAL : Best for normal shots. SOFT : Best for image processing on a personal computer (softened outlines).
FRAME NO. (Frame number memory)	CONT/RENEW	RENEW	Specifies whether the Frame No. Memory function is used (►P.45).
BEEP (Buzzer volume)	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 (Date and time)	SET	—	Sets the date and time (►P.18).
RESET	EXE	—	Pressing the "MENU/EXE" button resets the settings in the SETUP screen (excluding the date and time) to the factory defaults.

SETUP **SETUP MODE**



- 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 when you replace the batteries. If you open the battery cover or disconnect the AC adapter without first switching off the camera, all the settings may revert to the factory defaults.



Use "◀" and "▶" on the 4-way button to change and apply the settings (other than "DATE/TIME" and "RESET").

(Frame NO. Memory)

	<RENEW>	<CONT>
A	0001 ⋮ 0005	0001 ⋮ 0005
B	0001 ⋮ 0005	0006 ⋮ 0010

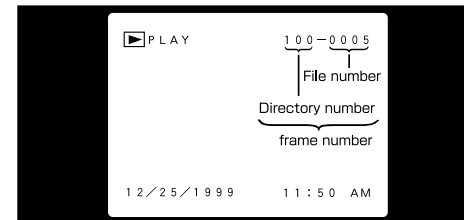
* Formatted SmartMedia used for both A and B.

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.

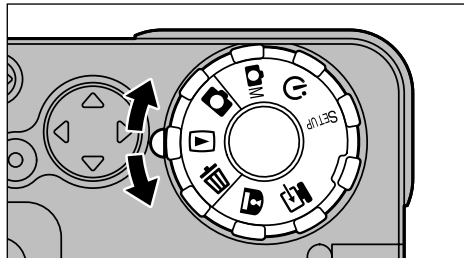
Setting this function to "CONT" makes file management easier as it ensures that file names are not duplicated when images are downloaded to a PC.

⚠ 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.

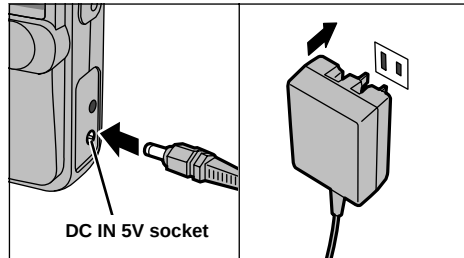


You can check the file number by viewing the image. The last 4 digits of the 7-digit number displayed in the top-right corner of the screen show the file number. The first 3 digits show the directory number.

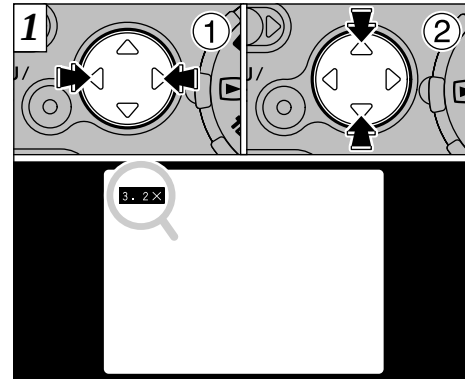
- ⚠ When replacing the SmartMedia, always switch the camera off before you open the slot cover. If you open the slot cover while the camera is still switched on, the FRAME NO. (frame number memory) function will not operate.
- ⚠ File numbers run from 0001 to 9999. Once 9999 is exceeded, the directory number goes up by 1. The maximum number is 999-9999.
- ⚠ If you take a picture with FRAME NO. (frame number memory) set to RENEW, the stored "Last file No." setting is reset.
- ⚠ The frame number display for images shot on other cameras may differ.



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

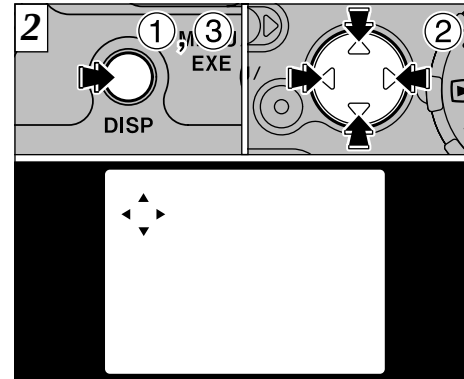


If there is a power outlet nearby, use the AC-5V AC Power Adapter (sold separately) to prevent loss of power during image playback. (➡P.17)



- 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.

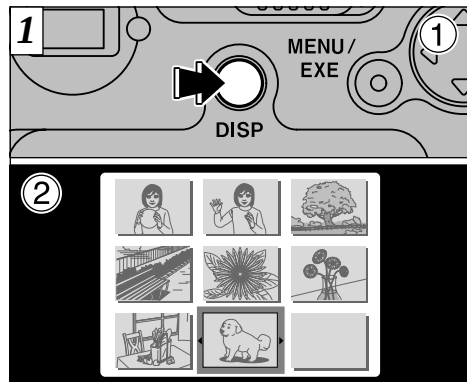
- ⚠ Zoom scales up to 4.0 x can be set in 0.2 x increments.
- ⚠ Pressing “◀” or “▶” during zooming cancels the zoom and advances to the next image.



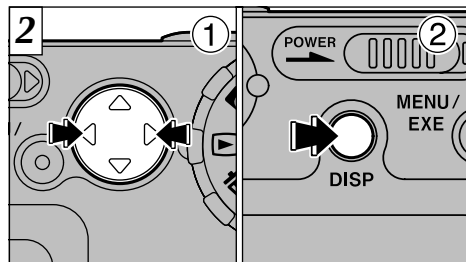
After using the zoom...

- ① Press the “DISP” button.
 - ② You can then move the area viewed by pressing “▼”, “▲”, “◀” or “▶” on the 4-way button (zoom shift).
 - ③ You can also change the zoom scale by pressing the “DISP” button during zoom shift.
- ⚠ To cancel automatic playback, press the “MENU/EXE” button or “▼” on the 4-way button when an image is displayed.

MULTI-FRAME PLAYBACK



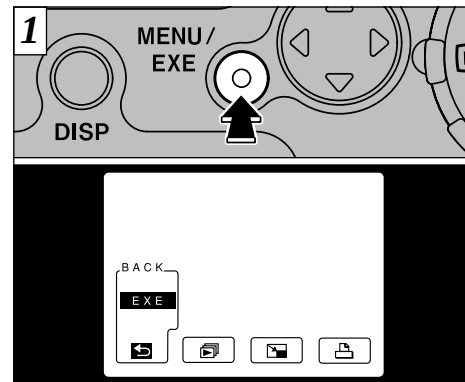
- ① Press the "DISP" button twice during playback.
- ② The 9-shot multi-frame playback screen appears.



- ① Use "◀" and "▶" on the 4-way button to move the cursor (the orange frame) and select a frame.
- ② To zoom in on the selected image, press the "DISP" button again.

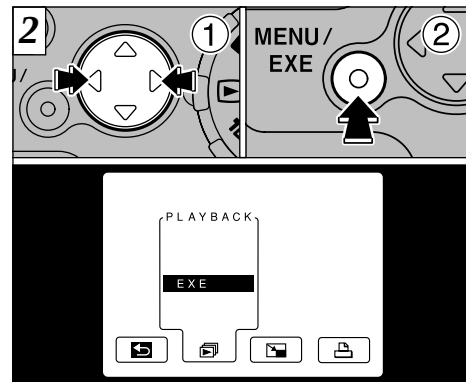
- ❗ The "▲" and "▼" buttons are disabled during multi-frame playback.
- ❗ Multi-frame playback is particularly useful for selecting images for single-frame erase, single-frame protect, DPOF frame specification or DPOF confirmation and cancellation.

PLAYBACK MENU PLAYBACK (AUTOMATIC PLAYBACK)



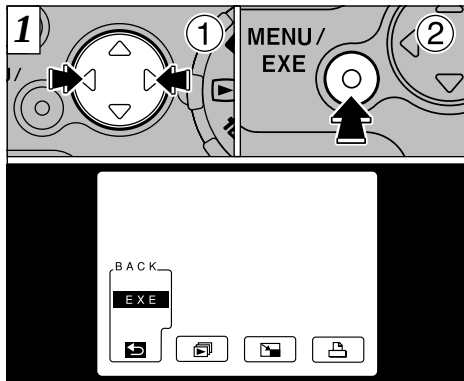
Press the "MENU/EXE" button to display the menu on the LCD monitor.

- ❗ The Auto Power Off function does not operate during PLAYBACK (automatic playback).

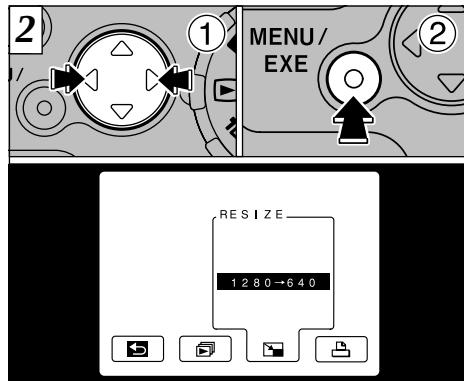


- ① Select "PLAYBACK" (automatic playback).
- ② Press the "MENU/EXE" button. The images are automatically played back frame by frame.

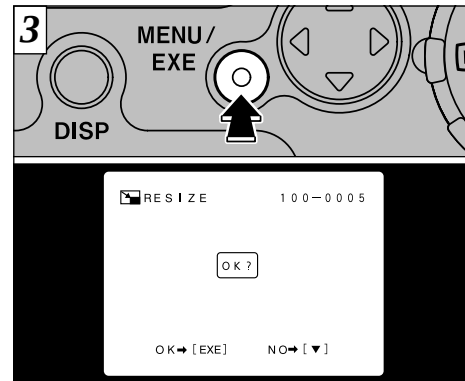
- ❗ If the "DISP" button is pressed the text display will appear on the LCD monitor. Date will not be displayed.
- ❗ To cancel automatic playback, press "▼" on the 4-way button when an image is displayed.



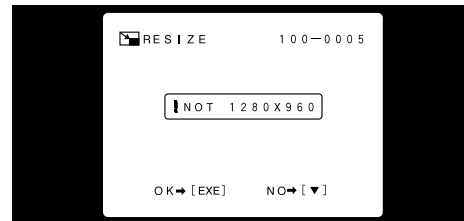
- ① Display the image you want to resize on the LCD monitor.
- ② Press the "MENU/EXE" button to display the menu.



- ① Select "RESIZE" (resize).
- ② Press the "MENU/EXE" button.



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



If "NOT 1280X960" is displayed, the size of the photographed image is not 1280 × 960 pixels. Only images shot with the FILE SIZE set to [1280 × 960] can be resized.

- ❗ 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 "▼" on the 4-way button.



With the MX-1200, 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-1200.

* 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.75)

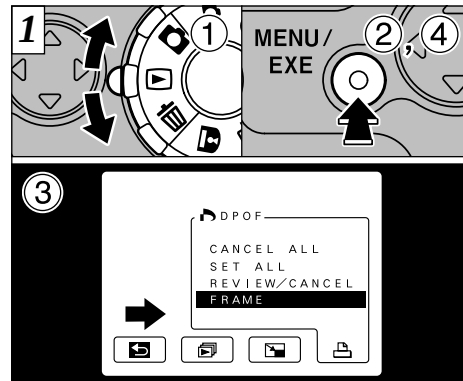
Frames specified for printing are automatically protected. To remove protection from those frames, you must cancel the print specification.

RESET UNMATCHED DPOF OK? (⇒P.75)

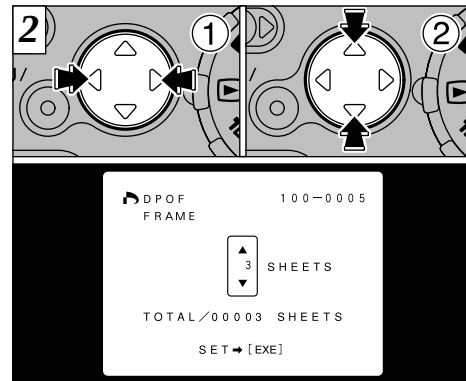
If you load a SmartMedia that contains frames specified for printing on another camera, those print specifications are all reset and replaced by the new print specifications.

! DPOF FILE ERROR (⇒P.75)

No more than 999 prints can be specified on the same SmartMedia.



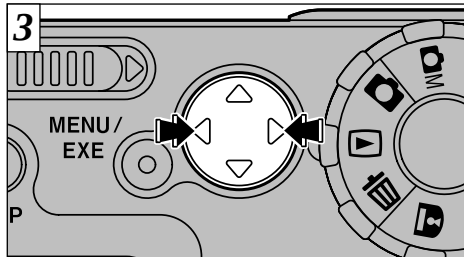
- ① Set the Mode dial to “DPOF”.
- ② Press the “MENU/EXE” button to display the menu on the LCD monitor.
- ③ Press “▶” to select DPOF.
- ④ Select “FRAME” and press the “MENU/EXE” button.



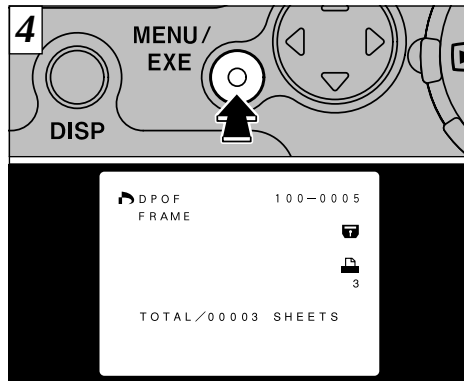
- ① Use “◀” or “▶” to display the frame to be specified.
- ② Use “▼” or “▲” to specify the number of prints.

! Up to 99 prints can be specified for one frame. The maximum number of prints that can be specified for frames on the same SmartMedia card is 999.

! Multi-frame playback is an easy way to select images to be printed (⇒P.48).

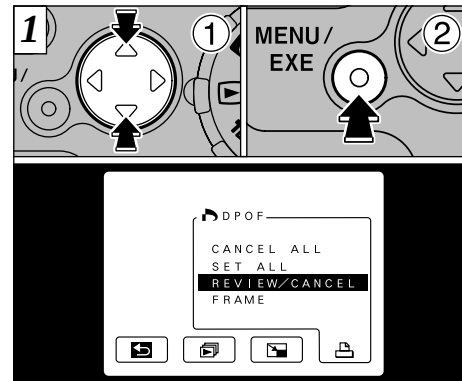


You can use “◀” or “▶” to display the next frame and specify the number of prints.

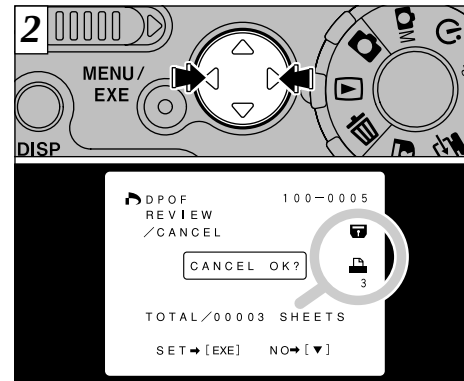


Once the settings are complete, press the “MENU/EXE” button to apply them. The total number of prints is shown on the LCD monitor and the menu reappears. The screen for a confirmed frame also shows the “ ” and “ ” icons and the number of prints specified.

! “TOTAL” shows the total number of prints specified.

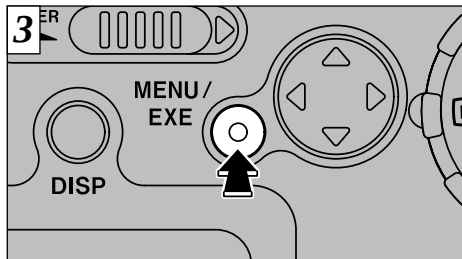


- ① Select “REVIEW/CANCEL”.
- ② Press the “MENU/EXE” button.

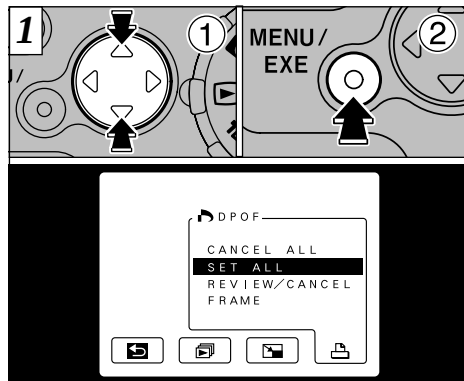


You can confirm the settings for only those frames with a specified number of prints by pressing “◀” or “▶”. The settings for each frame are displayed on the right of the screen.

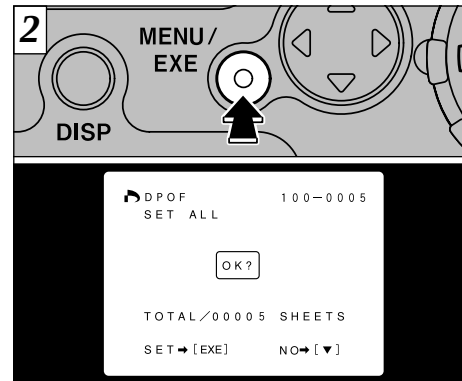
- ! Multi-frame playback is an easy way to select images (➡P.48).
- ! If all the print specifications are cancelled, “TOTAL” shows “00000” and the background screen is black. However, the frames are still protected.



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

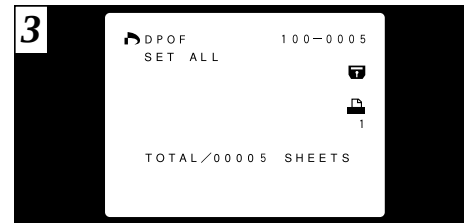


- ① Select "SET ALL" or "CANCEL ALL".
- ② Press the "MENU/EXE" button.



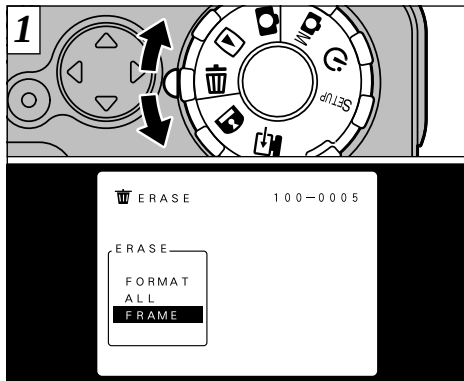
A confirmation screen appears. To continue, press the "MENU/EXE" button.

- ❗ "SET ALL" specifies printing of one print for each image.
- ❗ Even if prints have been specified for individual frames, the specification is changed to one print for every frame.
- ❗ Prints can be specified for up to 999 frames on the same SmartMedia card. If more than 999 frames are specified, the "DPOF FILE ERROR" warning appears.

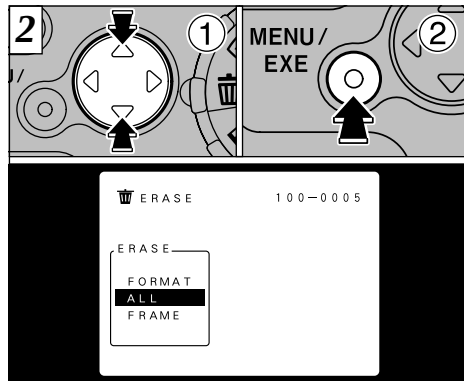


The total number of prints is displayed on the LCD monitor and then the menu screen reappears.

- ❗ "TOTAL" shows the total number of prints specified.
- ❗ If all the print specifications are cancelled, "TOTAL" changes to "00000". However, the frames are still protected.



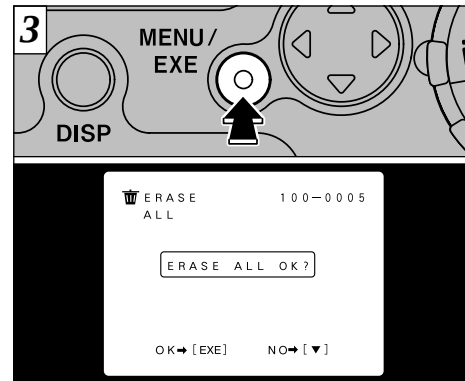
When you set the Mode dial to “”, the ERASE menu appears on the LCD monitor.



- ① Select “ALL” or “FORMAT”.
- ② Press the “MENU/EXE” button.

 See P.29 for information on erasing single frames.

Formatting erases all of the data on the SmartMedia.



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

 To cancel the erasing, press “▼” on the 4-way button.

● ERASE ALL

This erases all of the images on the SmartMedia.

* The directories and protected images will not be erased.

● FORMAT

Erases all the data on the SmartMedia and reformats (initializes) the card for use in the camera.

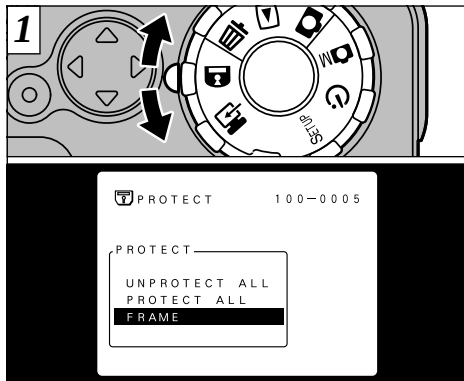
Use this command when the “ CARD NOT INITIALIZED” or “ CARD ERROR” message is displayed.

* Formatting also erases protected images.

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.



SETTING AND REMOVING SINGLE-FRAME PROTECTION

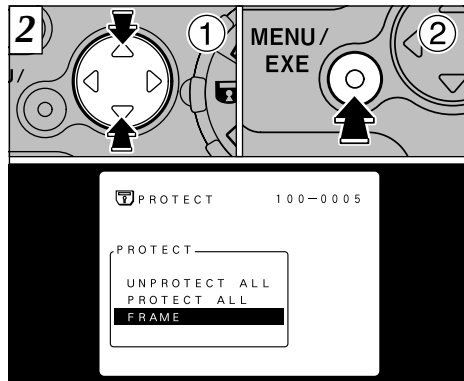


When you set the Mode dial to “

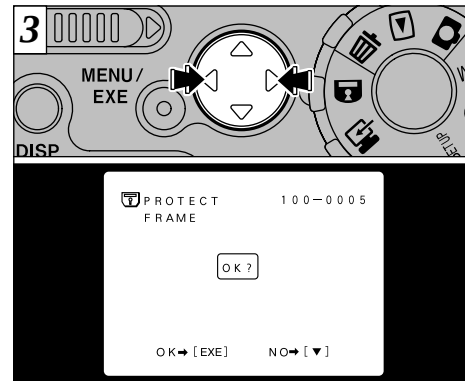
Protection:

A setting that prevents images from being inadvertently erased.

- ⚠ The protection cannot be cancelled for files specified in the DPOF settings. Cancel the DPOF setting first. (→P.56)

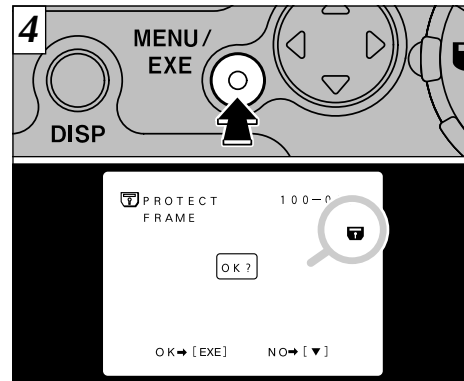


- ① Select “FRAME”.
- ② Press “MENU/EXE”.



Use “◀” or “▶” to select the image to be protected.

- ⚠ Multi-frame playback is an easy way to select images (→P.48).
- ⚠ If you do not want to protect the frame, press “▼” on the 4-way button.

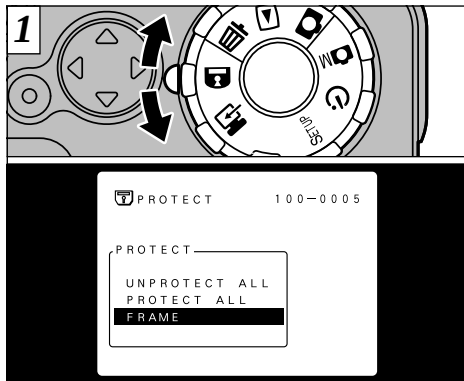


When the “MENU/EXE” button is pressed, the image is protected and the “

- ⚠ To protect another image, repeat the procedure from step ③.
- ⚠ Formatting erases all images, including protected images. (→P.58)

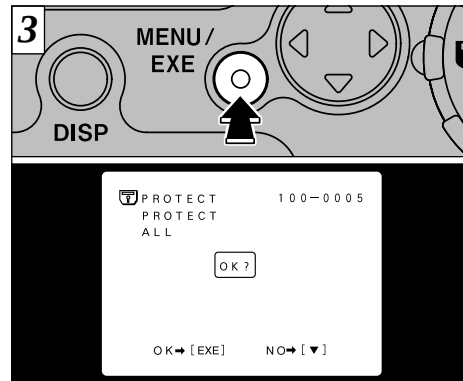


SETTING AND REMOVING PROTECTION FOR ALL FRAMES



When you set the Mode dial to “

- ① Select “PROTECT ALL” or “UNPROTECT ALL”.
- ② Press “MENU/EXE”.

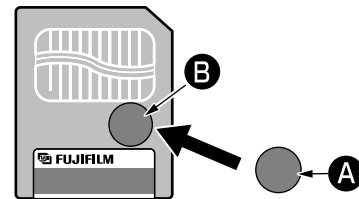


A confirmation screen will appear to proceed, press the “MENU/EXE” button.

! The protection cannot be cancelled for files specified in the DPOF settings. Cancel the DPOF setting first. (→P.56)

SmartMedia™ Write-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.

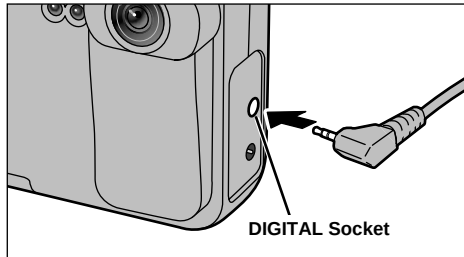


- * Ensure the write-protect sticker **A** is attached within the designated area **B**.
- * Be cautious not to get injured from the edge of the write-protect sticker.
- * The SmartMedia may not be write-protected if the write-protect sticker is not clean.
- * See P.72 for more information on SmartMedia.

! Formatting erases all images, including protected images. (→P.58)



PC MODE (DOWNLOADING IMAGES TO A PERSONAL COMPUTER)



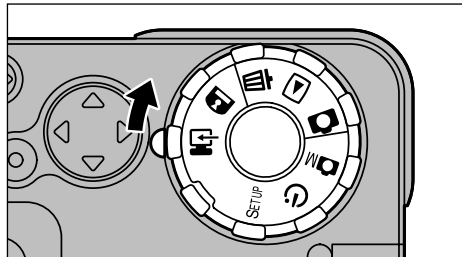
Always switch your camera and personal computer off before you begin. Connect the mini-plug on the special cable into the DIGITAL input/output socket on your camera. Then plug the other end of the cable into your personal computer.

The AC Power Adapter AC-5V (sold separately) should be used when you are downloading images. If the power fails during data transmission, the data cannot be downloaded correctly.

● Personal Computer Connection Port

Windows : Any of COM1 to COM4

*No USB port available.

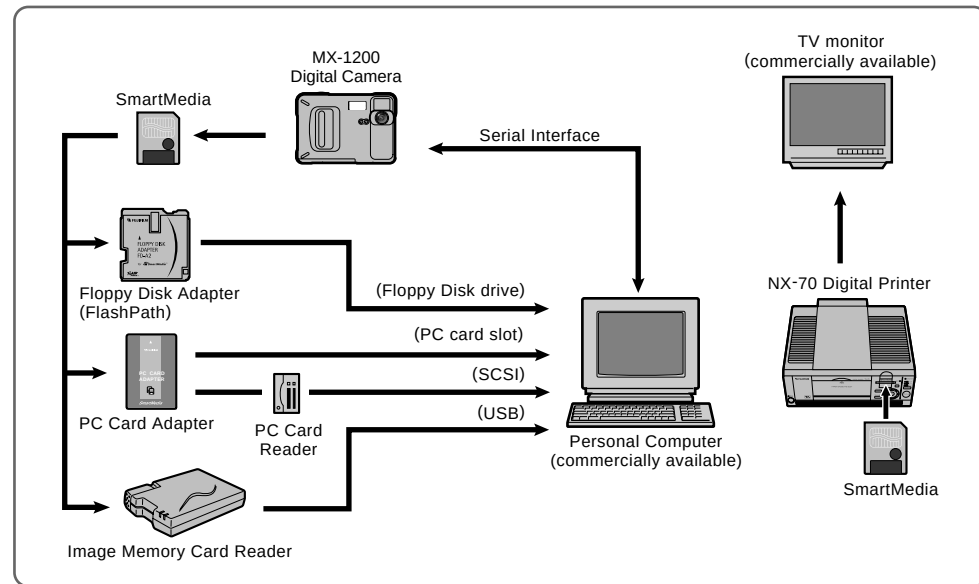


Set the mode dial to "PC", switch the camera on and then start up the personal computer. Then use the software to download images.

- ❗ Check that the special cable is properly connected before switching the camera and personal computer on.
- ❗ The Auto Power Off function does not operate in "PC" mode. (→P.68)
- ❗ Install the software before connecting the camera to the personal computer. Do not use any cable other than the special cable provided.
- ❗ Refer to the Quick Start Guide for information on installing the software.

System Expansion Options

- By using the MX-1200 together with other optional Fujifilm products, your system can be expanded to fill a wide range of uses.



Accessories Guide

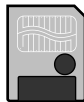
► The optional accessories (sold separately) can make taking pictures with the MX-1200 even easier. For information on how to attach and use the accessories, refer to the instructions provided with the accessory used.

● SmartMedia™

These are separately available SmartMedia cards.

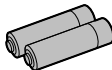
Use the 4 types listed below.

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



● Fujifilm Rechargeable Battery 2HR-3UF

The 2HR-3UF includes 2 high-capacity AA-size Nickel Metal Hydride batteries.



● Floppy Disk Adapter (FlashPath)

This adapter includes 2 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.



	Compatible OS	Compatible SmartMedia
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).

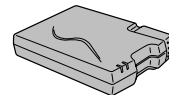
- PC-AD2 : Compatible with SmartMedia of 5V/3.3V, 2MB to 8MB.
- PC-AD3 : Compatible with SmartMedia of 5V/3.3V, 2MB to 32MB.



● SM-R1 Image Memory Card Reader

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

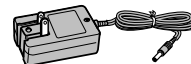
- Windows98 or Power Macintosh with USB interface.



● AC Power Adapter AC-5V

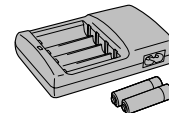
Use the AC-5V when taking pictures for a long period of time or when the MX-1200 is connected to a personal computer.

*The Shapes of the AC power adapter, the plug and socket outlet depend on the country.



● Fujifilm Battery Charger with Battery BK-NH

The BK-NH includes the quick battery charger BCH-NH and 2Ni-MH batteries. The BCH-NH can charge 2 Ni-MH batteries in approximately 110 minutes. Up to 4 Ni-MH or Ni-Cd batteries can be charged simultaneously.



● SC-DX8 Soft Case

Special plastic case.

This case can be used when carrying the camera to protect it from dust, dirt and mild impacts. (real leather)

Explanation of Terms

AE Lock:	On this camera, pressing the shutter button down halfway locks the exposure settings (AE lock). If you want to change the composition of your shot after you set the exposure, you can get excellent results by using AE lock before you compose your shot and take the picture.
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. ● Auto Power Off does not function when PLAYBACK (automatic playback) or PC mode has been selected, or when Auto Power Off has been cancelled.
DPOF:	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.
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.
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.
White Balance:	Regardless of the type of lighting, the human eye adapts so that a white object still looks white. On the other hand, devices such as digital still cameras register a white subject as white by first adjusting their internal color balance to match the color of the ambient light around the subject. This adjustment process is referred to as 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.80) 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-1200 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, benzene 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

Applicable Batteries

- AA-size alkaline, Ni-MH (nickel metal hydride), or Ni-Cd batteries can be used with this camera.
Do not use AA-size manganese or lithium batteries in your MX-1200 because the heat generated by the batteries could damage the camera or cause malfunctions.
- Because different brands of alkaline batteries have different capacities, the life of some batteries (the length of time for which they can be used) may be considerably shorter than that of the alkaline batteries supplied with this camera.

Notes on the Batteries

Incorrect use of the batteries could cause them to leak, become hot, ignite or burst. Always observe the precautions given below.

- Do not heat the batteries or throw them into a fire.
- Do not carry or store a battery with metal objects such as necklaces or hairpins that could come into contact with the metal positive ⊕ and negative ⊖ poles of the battery.
- Do not expose the batteries to fresh or sea water, and take particular care to keep the terminals dry.
- Do not attempt to deform, disassemble or modify the batteries.
- Do not attempt to peel off or cut the battery casing.
- Do not drop, strike or otherwise subject the batteries to strong impacts.

- Do not use batteries that are leaking, deformed, discolored or exhibit any other obvious abnormality.
- Do not store batteries in very warm or moist locations.
- Keep the batteries out of the reach of babies and small children.
- When loading the batteries in the camera, ensure that the battery polarity (⊕ and ⊖) is as indicated on the camera.
- Do not use new batteries together with used batteries. In the case of rechargeable batteries, do not use charged and discharged batteries together. Do not use batteries of different types or brands together.
- If you do not intend to use the camera for a long period of time, remove the batteries from the camera. (Note that if the camera is left with the batteries removed, the time and date settings are cleared.)
- The batteries may feel warm immediately after being used. Before removing the batteries, switch the camera off and wait until the batteries cool down.
- When replacing the batteries, always fit 4 new batteries. Here, 'new batteries' refers to either recently purchased unused alkaline batteries, or Ni-Cd or Ni-MH (nickel metal hydride) batteries that have recently been fully recharged together.
- Battery performance deteriorates at low temperatures (+10°C or below) and the time for which they can be used shortens. This is particularly true of alkaline batteries. In cold conditions, put the batteries in your pocket or a similar place to warm them before loading them into the camera. If you use a body warmer to warm the batteries, ensure that they are not in direct contact with the warmer.

- ⚠ If any liquid at all leaks from the batteries, wipe the battery compartment thoroughly and then load new batteries.
- ⚠ If any battery fluid comes into contact with your hands or clothing, flush the area thoroughly with water. Note that battery fluid can cause loss of eyesight if it gets in your eyes. If this occurs, do not rub your eyes. Flush the fluid out with clean water and contact your physician for treatment.

Disposing of Batteries

When disposing of batteries, do so in accordance with your local waste disposal regulations.

Notes on Small Rechargeable Batteries (Ni-MH or Ni-Cd batteries)

- Always use the special battery charger to charge AA-size Ni-MH or Ni-Cd batteries. Charge the batteries as described in the instructions provided with the battery charger.
- Do not use the battery charger to charge batteries other than those specified for use with the charger.
- Note that the batteries may feel warm immediately after being charged.
- Ni-MH and Ni-Cd batteries are not charged at shipment. Be sure to charge the batteries before using them.
- The camera mechanism is such that it draws a minute amount of current even when the camera is switched off. Take particular care not to leave Ni-MH or Ni-Cd batteries in the camera for a long period of time as they can become excessively discharged and no longer be useable even when charged.

- Ni-MH and Ni-Cd batteries self-discharge even when not used. Always charge Ni-MH and Ni-Cd batteries before using them. If the time for which a battery provides power shortens markedly when it has been correctly charged, this indicates that the battery has reached the end of its effective life and should be replaced.

Notes on Using the AC Power Adapter

Always use the AC-5V AC Power Adapter AC-5V (sold separately) with the MX-1200 Digital Camera.

The use of an AC power adapter other than the AC-5V could result in damage to your camera.

- Ensure that you do not touch the contact areas on 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 operating the camera using batteries. Switch the camera off first.
- Do not load the batteries while you are operating the camera using the AC power adapter. Switch the camera off first.
- If you disconnect the AC power adapter when there are no batteries in the camera, the date and time settings will be lost and must be reset.

■ SmartMedia

The SmartMedia card supplied with your MX-1200 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 advance 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-1200. 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

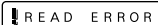
- or file names on the SmartMedia from your PC as this will make it impossible to use the SmartMedia in your camera.
- Always use the camera to erase image data on a SmartMedia.
- To edit image data, copy the image data to the computer's hard disk and then edit the copied data.
- To record or erase image data on a SmartMedia card from your PC, or to read images recorded on the SmartMedia using your MX-1200 camera from your PC, use the Fujifilm PICTURE SHUTTLE Data Transfer Software provided with the Interface Set (included).

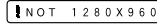
■ Specifications

Type	Image memory card for digital cameras (SmartMedia)
Operating voltage	3.3V
Operating conditions	Temperature: 0°C to +40°C (+32°F to +104°F) 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.

Explanation	Warning Displayed	Remedy
	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 contact area are soiled. - 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.	Erase some images or use a SmartMedia that has ample free space.
	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 camera.	Images cannot be played back.

Explanation	Warning Displayed	Remedy
	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 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/EXE button to create a new DPOF file and specify all the DPOF settings again.
	Prints were specified for more than 999 frames in the DPOF frame settings.	The maximum number of frames for which prints can be specified on the same SmartMedia is 999.
	An attempt was made to resize an image not recorded at 1280 X 960 pixels.	The image cannot be resized.
	The image may be overexposed in Slow Synchro flash mode.	Set the flash to a mode other than Slow Synchro.

Troubleshooting

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

Problem	Cause	Remedy
No power	- The battery is exhausted. - The AC power adapter plug has come out of the power outlet.	- Load a new battery. - Plug the adapter back in.
Power cuts out during operation.	The battery is exhausted.	Load new batteries.
Battery runs out quickly.	- You are using the camera in extremely cold conditions. - The terminals are soiled.	- 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.
No photograph is taken when the shutter button is pressed.	- No SmartMedia is loaded. - The SmartMedia is fully recorded. - 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. - Erase some images or use a SmartMedia that has ample free space. - 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 new batteries.
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.	- Set the Mode dial to the correct setting. - Set the flash mode to Auto, Red-Eye Reduction, Flash or Slow Synchro.

Problem	Cause	Remedy
I can't use the flash to take pictures.	The shutter button was pressed when the viewfinder indicator was blinking orange.	Wait until the viewfinder indicator stops blinking and turns green before pressing the shutter button.
The flash will not charge.	- No compatible SmartMedia is loaded. - The camera is set to Suppressed Flash mode. - The battery is exhausted.	- Load a new SmartMedia, erase a frame, or remove the write-protection. - Set the flash mode to Auto, Red-Eye Reduction, Flash or Slow Synchro. - Load new batteries.
The playback image is too dark even though I used the flash.	- The subject is too far away. - Your finger is covering the flash.	- Move closer to the subject. - Hold the camera correctly.
The image is blurred.	- The lens is soiled. - A distant subject was shot in Macro mode.	- Clean the lens. - Cancel Macro mode.
I cannot format the SmartMedia.	The SmartMedia is write-protected.	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. - The battery is exhausted.	- Use the "POWER" switch to switch the camera on again. - Remove the battery, re-insert them and try again. - Load new batteries.
No image appears when I press the, "DISP" button.	The Mode dial is set incorrectly.	Move the Mode dial to the correct setting.

Specifications

System

- Model
Digital camera
- Pickup Elements
1/2.7-inch square pixel CCD (1.3 million pixels)
- Resolution
1,280 × 960 pixels / 640 × 480 pixels
- File format
DCF-compliant (Exif Ver.2.1 JPEG-compliant), DPOF-compatible
- Storage media
SmartMedia (3.3V)
- Number of frames recorded

Quality Mode	Compression Ratio	Image Data Size	2MB	4MB (MG-4S)	8MB (MG-8S)	16MB (MG-16S)	32MB (MG-32S)
FINE	Approx. 1/4	Approx. 610KB *1	2	6	12	25	50
		Approx. 160KB *2	11	23	46	89	180
NORMAL	Approx. 1/8	Approx. 310KB *1	6	12	24	49	99
		Approx. 90KB *2	22	44	89	163	330
BASIC	Approx. 1/16	Approx. 160KB *1	11	23	46	89	180
		Approx. 50KB *2	37	69	141	246	496

*1 Top : 1,280 × 960pixel
*2 Bottom : 640 × 480pixel

- Viewfinder
Real Galileo type ; Frame coverage : 80%
- Lens
Fujinon fixed-focus f/4.5, f/11
- Focus distance
f = 5.8mm (equivalent to 38mm on a 35mm camera)
- Exposure control
64 zones TTL metering, Program AE / Aperture-Priority AE / Manual
- Sensitivity
Equivalent to ISO 160
- White balance
Auto-selected (7 modes selectable in Manual mode)
- Focal range
Normal : Approx. 0.7m/27.6in. to infinity
Macro : Approx.10cm/3.9in.
- Shutter speeds
Variable-speed, 1/2 to 1/750 sec. (combined with mechanical shutter)
- Flash
Auto flash using flash control sensor
Effective range : Approx. 0.7m/27.6in. to 2.5m/98.4 in.
Flash modes : Auto, Red-Eye Reduction, Forced Flash, Suppressed Flash, Slow Synchro
- LCD monitor
1.6-inch, 55,000-pixel D-TFD
- Self-Timer
10 sec. timer clock

Input/Output Terminals

- 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
Use one of the following:
 - 4AA-size alkaline batteries
 - 4AA-size Ni-MH (nickel metal hydride) batteries (sold separately)
 - 4AA-size long-life (Minimum 1,000mAh) Ni-Cd (nickel-cadmium) batteries (sold separately)
 - AC-5V AC Power Adapter (sold separately)
- No. of available shots using battery (battery life)

Battery type	With LCD monitor ON	With LCD monitor OFF
Alkaline batteries	Approx.200 frames*	Approx.500 frames*
Ni-Cd battery KR-3UF	Approx.130 frames*	Approx.400 frames*
Ni-MH battery HR-3UF	Approx.200 frames*	Approx.500 frames*

* 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 (+32°F to +104°F) ; 80% humidity or less (no condensation)
- Camera dimensions (W/H/D)
110 × 77 × 33mm / 4.3 × 3.0 × 1.3in. (not including accessories and attachments)
- Camera mass (weight)
Approx. 200g / 7.1oz (not including accessories, batteries or SmartMedia)
- Weight for photography
Approx. 300g / 10.6oz (including batteries and SmartMedia)
- Accessories
See P.7
- Optional Accessories
See P.66, 67

* 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-1200 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



WARNING

If the battery leaks and fluid gets into your eyes or comes into contact with your skin or clothing, this can cause injury or loss of eyesight. Immediately flush the affected area thoroughly with clean water and seek medical treatment.



When discarding or storing batteries, cover the battery terminals with insulation tape.

- Contact with other metallic objects or batteries could cause the batteries to ignite or burst.



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 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.



Do not place heavy objects on the camera.

This can cause the heavy object to tip over or fall and cause injury.



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.



CAUTION

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.



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 use the flash close to anyone's eyes.

This can cause temporary damage to the person's eyesight.



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.





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