FUJIFILM

DIGITAL CAMERA
FinePix F401

Designed for
Microsoft®
Windows®XP

digital
Tools for the imagination.

Exif Print

SUPER CCD

FinePix

FUJINON ZOOM LENS

FUJIFILM
DIGITAL CAMERA F401

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OWNER'S MANUAL This manual will show you how to use your FUJIFILM DIGITAL CAMERA FinePix F401 correctly. Please follow the instructions carefully.

BL00156-200 (1) **E**

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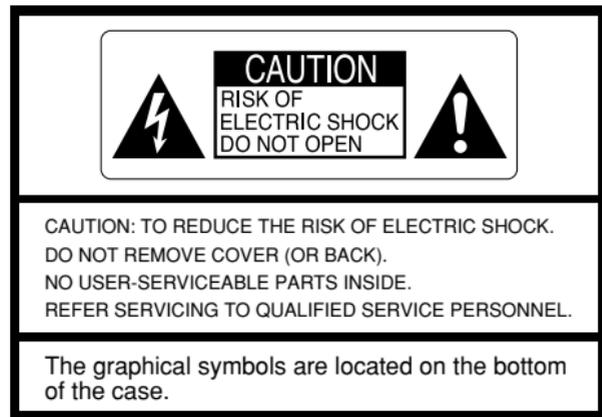
⚡ This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

⚠ 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:
— 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 the user's authority to operate the equipment.

Notes on the Grant:
To comply with Part 15 of the FCC rules, this product must be used with a Fujifilm-specified ferrite-core USB cable and DC supply cord.

For customers in Canada
CAUTION
This Class B digital apparatus complies with Canadian ICES-003.

Please read the Safety Notes (➡P.108) and make sure you understand them before using the camera.

Contents

Preface

■ Test Shots Prior to Photography
For particularly important photographs (such as weddings and overseas trips), always take a test photograph and view the image to make sure 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 display 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
If the camera is to be used in hospitals or aircrafts, please note that this camera may cause interference to other equipment in the hospital or aircraft. For details, please check with the applicable regulations.

■ Handling Your Digital Camera
This camera contains precision electronic components. To ensure that images are recorded correctly, do not subject the camera to impact or shock while an image is being recorded.

■ Trademark Information
● IBM PC/AT is a registered trademark of International Business Machines Corp. of the U.S.A.
● iMac and Macintosh are registered trademarks of Apple Computer, Inc.
● Microsoft, Windows, and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries. Windows is an abbreviated term referring to the Microsoft Windows Operating System.
✽ The "Designed for Microsoft Windows XP" logo refers to the camera and the driver only.
● SmartMedia is a trademark of Toshiba Corporation.
● Other company or product names are trademarks or registered trademarks of the respective companies.

■ Exif Print (Exif ver. 2.2)
Exif Print Format is a newly revised digital camera file format that contains a variety of shooting information for optimal printing.

Camera Features and Accessories

Camera Features

● 2.1 million effective pixels
● 1/2.7-inch Super CCD provides high quality images with 2304 × 1728 (4.0 million) recorded pixels
● High-performance 3× optical zoom
● Compact and lightweight aluminum-magnesium alloy body
● Quick, responsive operation with a 2.5-second startup and 1.3 seconds between shots.
● Auto focus with macro function
● Manual photography mode lets you set your own photography settings.
● High-sensitivity photography (🔟 mode only)
● Image checking function automatically plays back the image for about 2 seconds after you take a picture.
● Maximum 3.6× seamless digital zoom
● Playback zoom function (up to 14.4×)
● Continuous shooting function
● Movie shooting function (with sound)
● Voice Memo function for easy photography information recording
● 1.5-inches 114,000-pixels low-temperature polysilicon TFT LCD monitor
● Recharge or connect to your PC simply by placing the FinePix F401 in its cradle (sold separately)
● Easy high-speed image file transfer via the USB connection
● Conforms to "Design for Camera File system" standard and Exif ver 2.2 for digital cameras
✽ "Design for Camera File system" standard and Exif format are formulated by the Japanese Electronic and Information Association (JEITA)

Accessories

● **SmartMedia (16MB, 3.3V) (1)**
Supplied with:
• Anti-static case (1)
• Index label (1)
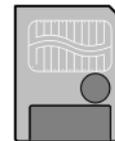
● **NP-60 Rechargeable Battery (1)**
Soft case included

● **Strap (1)**
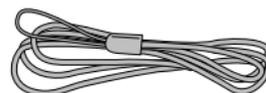
● **AC-5VS/AC-5VHS AC Power Adapter (1)**
Approx. 2 m (6.6 ft.) connection cord
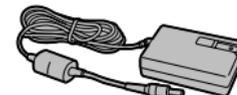
● **USB Interface Set (1)**
• CD-ROM: Software for FinePix EX (1)
• FinePix F401 Special USB cable with Noise Suppression core (1)
• Software Quick Start Guide (1)

● **Owner's Manual (this manual) (1)**

Nomenclature

✽ Refer to the pages in parentheses for information on using the camera features.

Shutter button

Flash control sensor

Flash (P.32)

Microphone

Self-timer lamp (P.46)

Viewfinder window

Speaker (P.77)

POWER switch (P.15)

Lens/Lens cover

← (USB) socket
🖳 Cradle connection socket (P.82, 84)

【Attaching the strap】

1

2

DC IN 5V (power input) socket (P.14)

8

【Mode switch】
Still photography mode (P.21)
Playback mode (P.35)
Movie (video) mode (P.52)

◄/Macro button (P.31)
[♠](▲)[♠♠](▼)/Zoom button (P.19)
►/Flash button (P.32)

Viewfinder (P.23)
Viewfinder lamp (P.25)

LCD monitor

MENU/OK button (P.18)
BACK button (P.18)
DISP button (P.18, 29, 36)

Tripod mount

Strap mount
Battery compartment (P.12)
Battery release catch (P.12)

Battery cover (P.12, 13)

SmartMedia eject button (P.13)
SmartMedia slot (P.13)

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Nomenclature (Sample display)

Example of LCD Monitor Text Display: Still photography mode

- ⚡ Flash
- $\overline{\text{ISO 800}}$ Sensitivity (Only displayed for 800 or 1600)
- Photography mode
- 🖐 Continuous shooting
- ▣ EV (Exposure compensation)
- ☼ White balance
- Zoom bar
- Date

- 🌷 Macro
- ⏱ Self-Timer
- Number of recorded pixels
- Number of remaining shots
- ▭ Battery level warning
- !AF AF warning
- !🖐 Camera shake warning
- AF frame

1/ 1/2002
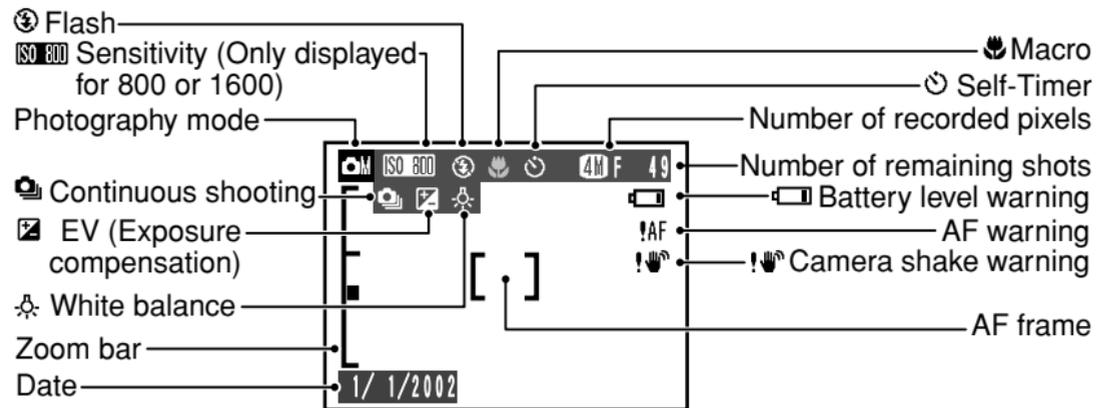
Example of LCD Monitor Text Display: Playback mode

- Playback mode
- ⊡ Protection
- 🔒 DPOF
- 🎤 Voice memo
- Zoom bar
- Date

- Playback frame number — 100-0001
- ▭ Battery level warning

1/ 1/2002

10
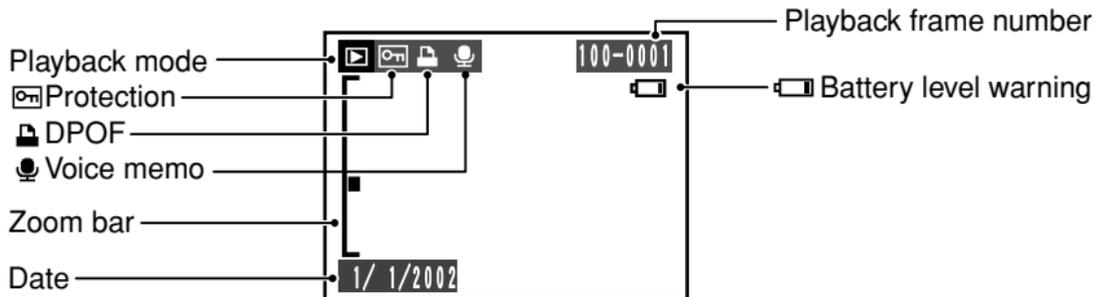
1 Getting Ready   LOADING THE BATTERY AND SmartMedia™

Compatible Batteries

Use only the special Rechargeable Battery NP-60. The use of other brands of rechargeable battery could cause faults or damage to the camera.

NP-60 Rechargeable Battery (1)

Terminals

Indicator
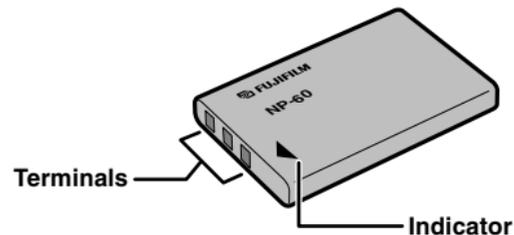
SmartMedia™ (sold separately)

■ Only use 3.3V SmartMedia

MG-4S (4MB),	MG-16SW (16MB, ID)
MG-8S (8MB),	MG-32SW (32MB, ID)
MG-16S (16MB),	MG-64SW (64MB, ID)
MG-32S (32MB),	MG-128SW (128MB, ID)
MG-64S (64MB)	

1
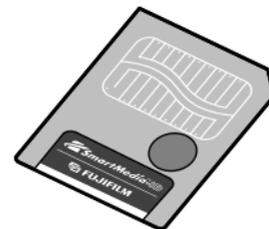
⚠ The battery is not fully charged at shipment and must be charged up before being used.

⚠ Do not stick labels onto the battery as this could cause the battery to become jammed inside the camera.

⚠ See P.92-93 for note on the battery.

⚠ Image files cannot be recorded or erased if a write-protect sticker is affixed to the SmartMedia.

⚠ Operation of this camera is only guaranteed when it is used with FUJIFILM SmartMedia.

⚠ Some 3.3V SmartMedia are labelled as "3V" or ID" cards.

⚠ See P.95-96 for note on SmartMedia.

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LOADING THE BATTERY AND SmartMedia™

Indicator

Indicator

Battery release catch
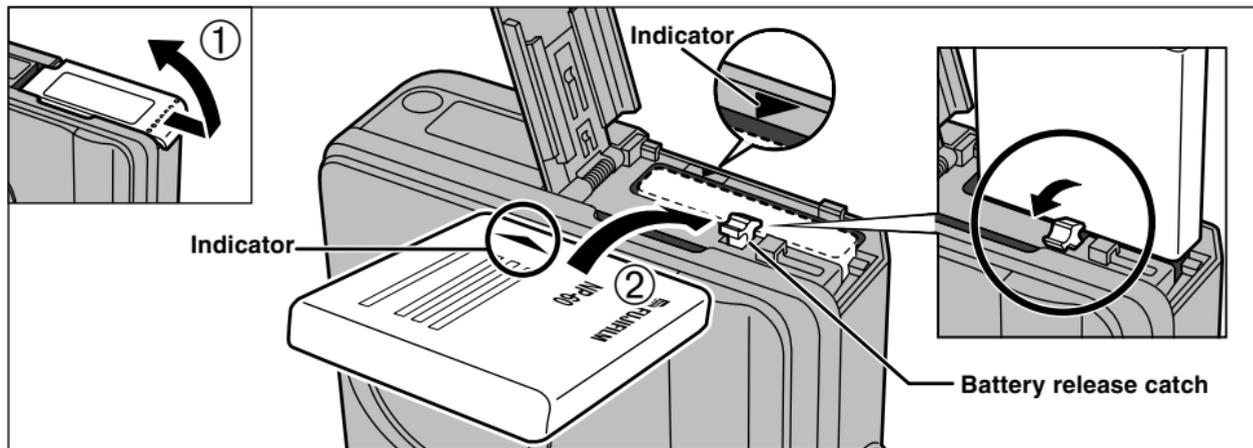
① Slide the battery cover out to open it.
② Hold the battery so that the arrow markings are aligned, use your finger to pull the battery release catch in the direction shown and insert the battery. Check that the battery is locked in place.

⚠ Do not apply excessive force to the battery cover.

Never open the battery cover while the camera is still switched on. This could damage the SmartMedia or corrupt the image files on the SmartMedia.

◆ To remove the battery ◆
Open the battery cover and pull the battery release catch in the direction indicated to release the battery.
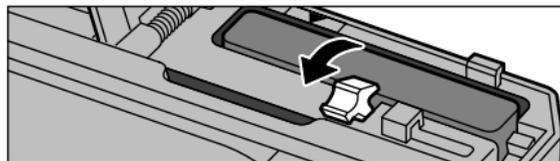
⚠ Always switch the camera off when removing the battery.
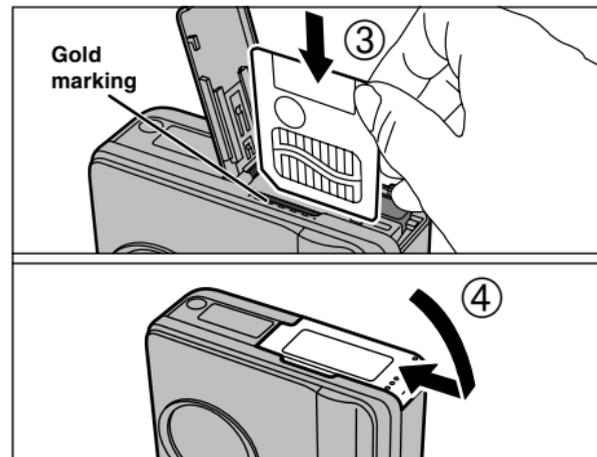
Gold marking

③ Align the contact area (the gold-colored section) on the SmartMedia with the gold marking on the SmartMedia slot and firmly push the SmartMedia all the way into the slot.
④ Close the battery cover.

⚠ If you open the battery cover while the camera is switched on, the camera automatically switches off to protect the data on the SmartMedia.
⚠ The SmartMedia will not slide fully into the slot if it is inserted facing the wrong way. Be careful not to apply undue force to the SmartMedia.
⚠ To protect the SmartMedia, always store it in the special anti-static case.

◆ To remove the SmartMedia ◆
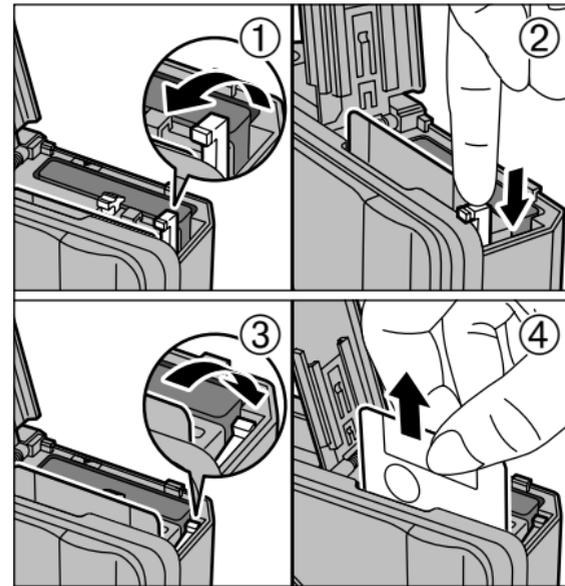
Open the battery cover, pull the SmartMedia eject button up ① and push it down ②. Then fold the SmartMedia eject button back down to its original position ③.
Grip the SmartMedia and pull it out ④.

CHARGING THE BATTERY
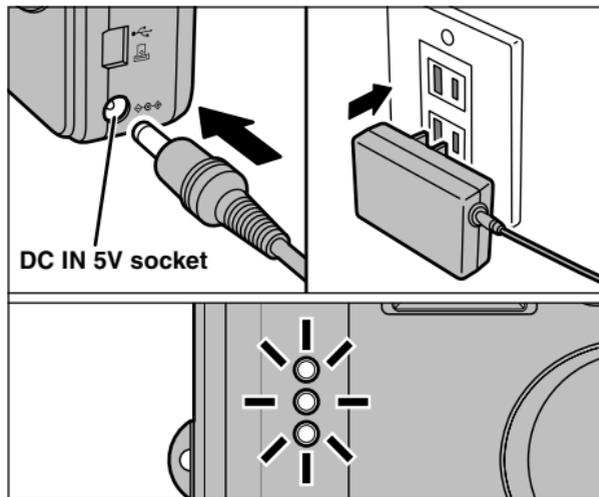
DC IN 5V socket

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

The self timer lamp lights (blue) and battery charging begins. When charging is completed, the self-timer lamp switches off.

A fully discharged battery takes roughly 3 hours to fully recharge (at an ambient temperature of +21°C to +25°C (+70°F to +77°F)).

Using the AC Power Adapter

Use the AC power adapter to avoid losing power at inconvenient times, such as when you are downloading photographed images to your computer. Using the AC power adapter also allows you to take pictures and play back images without worrying about depleting the battery.

● **Compatible AC power adapters**
AC-5VS/AC-5VHS/AC-5VH

⚠ Use only the FUJIFILM products listed above.
⚠ See P.94 for notes on using the AC power adapter.
⚠ Only connect or disconnect the AC power adapter when the camera is switched off.
Connecting or disconnecting the AC power adapter while the camera is switched on temporarily interrupts the power supply to the camera, so that images or movies being shot at the time are not recorded. Failing to switch the camera off first can also result in damage to the SmartMedia or malfunctions during PC connection.
⚠ Charging times increase at low temperatures.
⚠ If the self-timer lamp flashes during charging, a charging error has occurred and the battery cannot be charged. If this occurs, see P.100.
⚠ Switching the camera on during charging interrupts the charging.
⚠ You can charge the battery more quickly by using the BC-60 Battery Charger (sold separately) (➡P.89).
⚠ The shape of the plug and socket-outlet depends on the country of use.

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SWITCHING ON AND OFF · SETTING THE DATE AND TIME ✳ See P.78-79 for information on selecting the language.

1

ON **OFF**
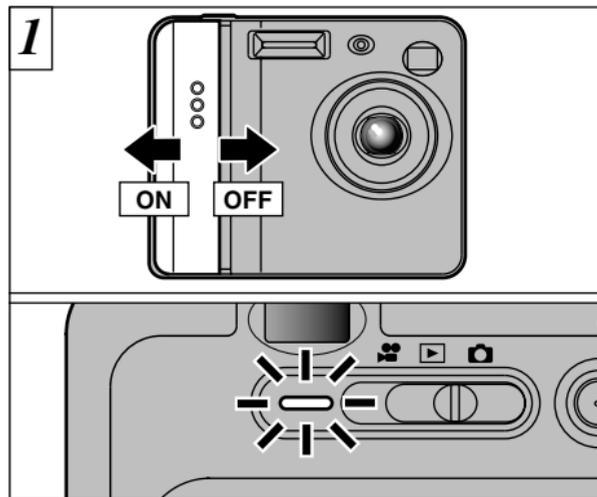
Slide the POWER switch to turn the camera on and off. When you switch the camera on, the viewfinder lamp lights (green).

> If the "◘/😀" mode is selected, the lens cover opens and the lens slides out. Avoid pressing on the lens so as not to damage precision components.
> Obstructing the lens will cause a malfunction or fault and the "⌐I ZOOM ERROR⌐" or "⌐I FOCUS ERROR⌐" message will appear. Take care also not to get fingerprints on the camera lens as this will result in impaired image quality in your shots.

2

DATE/TIME NOT SET

OK SET   BACK NO
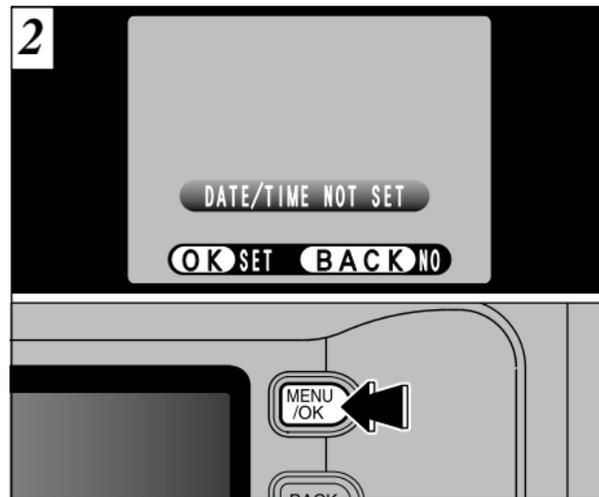
MENU /OK

When you first switch the camera on, the date is cleared. Press the "MENU/OK" button to set the date and time.

⚠ To set the date and time later, press the "BACK" button.
⚠ If you do not set the date and time, this confirmation screen will appear each time you switch the camera on.
⚠ When you switch the camera on, the self timer lamp lights for about 5 seconds.
⚠ If you load the battery while the camera's POWER switch is set to ON, the viewfinder lamp/self timer lamp lights briefly. This is normal and does not indicate a fault.

15

1

3

⊕ DATE/TIME

◄ 2002 ►. 1 . 1

12 : 00   AM

(OK) (BACK)

① Use "◄" and "►" to select Year, Month, Day, Hour or Minute.

② Press "[♠](▲)" or "[♣♣](▼)" to set the number.

! If you hold down "▲([♠])" or "▼([♣♣])", the numbers change continuously.

! When the time displayed passes "12:00", the AM/PM setting automatically switches.

16

4

⊕ DATE/TIME

2002 . 4 . 22

04 : ◄ 22 ► AM

(OK) (BACK)
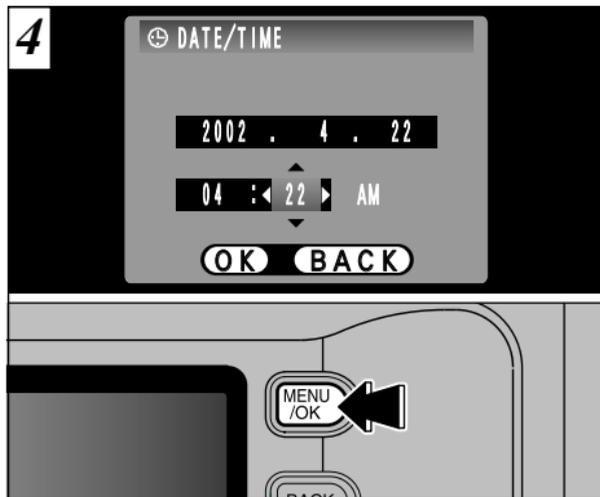
MENU /OK

Once you have set the date and time, press the "MENU/OK" button. Pressing the "MENU/OK" button switches the camera to Photography or Playback mode.

! To set the time, press the "MENU/OK" button when the time is at zero seconds.

! If at least 2 hours have passed since the AC power adapter was connected or the battery inserted and the date and time set, then those settings will be maintained for roughly 5 hours even when the camera has no power supply (when the AC power adapter is disconnected and the battery is removed).

Changing the date and time

SET-UP

POSTVIEW   ON
POWER SAVE   2 MIN
USB MODE   DSC
DATE/TIME   SET   ►
▼

(OK) (BACK)

MENU /OK

To change the date and time:
① Press the "MENU/OK" button.
② Use "◄" or "►" to select "🎛" OPTION and then use "[♠](▲)" or "[♣♣](▼)" to select "SET–UP".
③ Press the "MENU/OK" button.
④ Select "DATE/TIME" and press "►".
See P.16 for information on setting the date and time.

◆ **Checking the remaining battery charge** ◆

Switch the camera on and check that no battery level warning (◾▣, ◼▢ or ◻) is displayed on the LCD monitor. If no icon is displayed, there is ample charge left in the battery.

• ◾▣ **Lit white:**
  The battery is approximately half charged.
• ◼▢ **Lit red:**
  Battery charge low. Replace or recharge the battery as it will run out shortly.
• ◻ **Blinking red:**
  The battery is exhausted. The display will shortly go blank and the camera will stop working. Replace or recharge the battery.

! The above estimates are for the photography modes. In Playback mode, the transition from "◾▣" to "◻" may take less time.

◆ **Power Save Function** ◆

If the camera is not used in any way for approx. 30 seconds when the camera functions are enabled, this function temporarily switches features such as the LCD monitor off to reduce power consumption (➡P.80). If the camera is then left unused for a further period (2 minutes or 5 minutes), the Power Save function automatically switches the camera off. To switch the camera back on, slide the Power switch to the side to turn the camera off briefly and then turn it back on.

1

17

This section describes the camera's functions.

● **Switching between still photography, playback and movies**

Slide the Mode switch to select the mode.

🎥 ▶ 📷

📷 Still image: Still photography.

▶ Playback: Photographed image playback and recording sound.

🎥 Movie: Movie photography.

●**Menu display and confirmation**
Displays the menu screen when you are shooting or playing back images. You also press this button to confirm a menu selection.

●**BACK**
Press this button to stop a procedure midway through.

●**Display selector**
You can use this button to select the LCD monitor display.
When shooting:
Switches the LCD monitor on and off or displays the framing guides.
During playback:
Switches text display on and off or selects multi-frame playback.

●**Main actions performed by**
" [♦] (▲)", "▦(▼)", "◄" and "►"
When the Mode switch is set to " 📷 ":

     Zoom

◁   Switches Macro (♣) on and off.

▷   Sets the flash (⚡).

When the Mode switch is set to " ▶ ":

     Playback zoom, start/stop movie or sound playback.

◁ ▷   Change frame or (in a movie) frame advance.

When the Mode switch is set to " 🎥 ":

     Zoom

●Using the Menus

MENU/OK ①Display the menu.
Press the "MENU/OK" button.

②Select a menu option.
Press the "◀" or "▶" button.
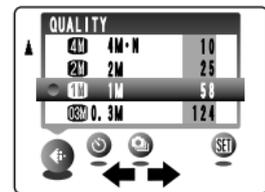
③Select a setting.
Press the button upward(▲) or downward(▼) .

QUALITY
4M	4M·N	10
2M	2M	25
1M	1M	58
03M	0.3M	124

QUALITY
4M	4M·N	10
2M	2M	25
1M	1M	58
03M	0.3M	124
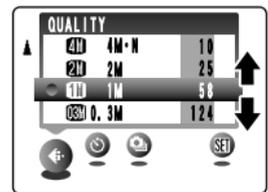
④Confirm your selection.
Press the "MENU/OK" button. MENU/OK

(BACK)
Press this button to stop a procedure midway through.

In the Owner's Manual, black triangles are used to indicate up, down (▲, ▼) and left, right (◀, ▶) respectively.
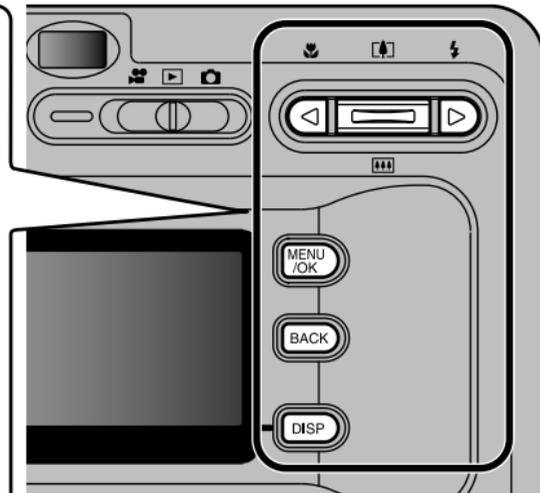
◆ **Displaying the On-screen Help** ◆
Instructions for the next step in the procedure are displayed at the bottom of the LCD monitor. Press the button indicated.

DISP ZOOM
OK TRIMMING

Press the "DISP" button to use the zoom or the "MENU/OK" button to trim the image.

DISP ZOOM
OK TRIMMING

You've read the chapter on getting ready and the camera is now set up and ready to take pictures. The Basic Photography section explains the three basic steps of "taking pictures", "viewing pictures" and "erasing pictures". Master the basic steps by actually trying them out on the camera as you go.

1
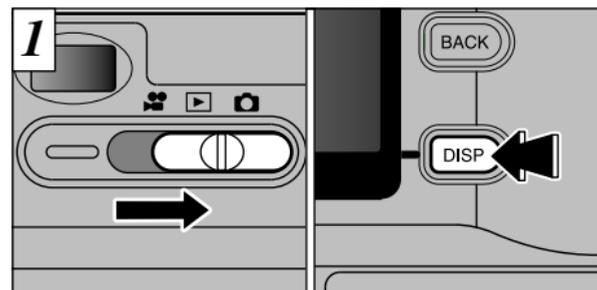
Set the Mode switch to "□".
When you are taking shots using the viewfinder, you can make the battery last longer by pressing the "DISP" button to switch the LCD monitor off. (Note that you cannot switch the LCD monitor off in Macro mode.)

● **Photography range:** Approx. 60 cm (2 ft.) to infinity

❗ If a "❗ CARD ERROR", "❗ WRITE ERROR", "❗ READ ERROR" or "❗ CARD NOT INITIALIZED" message appears, see P.97, 98.


2
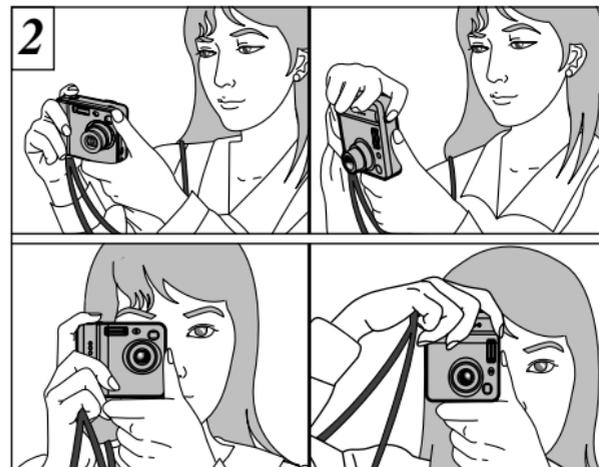
Brace your elbows against your sides and hold the camera with both hands. Position the thumb of your right hand so that it is handy for using the zoom.

❗ For subjects closer than 60 cm (2 ft.), use Macro photography (➡P.31).
❗ Use the viewfinder to take pictures (switch the LCD monitor off) to make the battery last longer.
❗ The image will be blurred if the camera moves when taking the picture (camera shake). Use a tripod to avoid camera shake, particularly for shots in dark locations when the flash is set to Suppressed Flash mode.

2

3
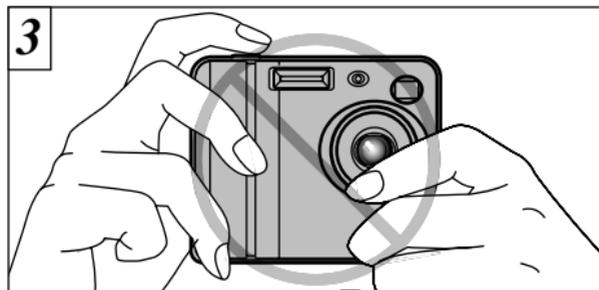
Take care to hold the camera so that your fingers or the strap do not cover the lens, flash or flash control sensor. If the lens, flash or flash control sensor is obscured by your fingers or the camera strap, you may not be able to obtain the correct brightness (exposure) for your shot.

! There may be some unevenness in the brightness at the lower edge of the LCD monitor. This is normal and does not indicate a fault. This does not affect the photographed image.
! Check that the lens is clean. If it is dirty, clean the lens as described on P.91.
! If you use the flash in very dusty conditions or when it is snowing, white dots may appear in the image due to the flash reflecting off the dust particles or snowflakes. Try taking the shot with the flash switched off.

4
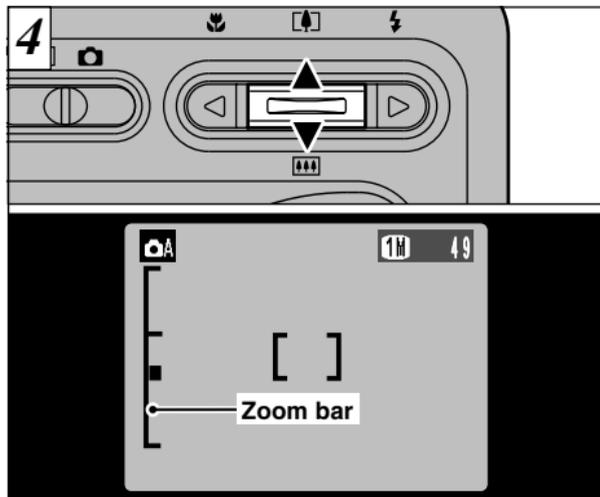
Zoom bar

To zoom in on the subject, press "▲" (⬛TELE). To zoom out, press "▼" (⬛WIDE). A "zoom bar" appears on the LCD monitor when you zoom in or out.

● **Optical zoom focal length (35mm camera equivalent)**
 Approx. 38 mm-114 mm (1.5 in. to 4.5 in.)
 Maximum zoom scale: 3×
! Zooming stops briefly when the camera switches between optical zoom and digital zoom (➡P.30). Press the same zoom button again to switch zoom modes.

5

AF frame
LCD monitor
AF frame
Viewfinder
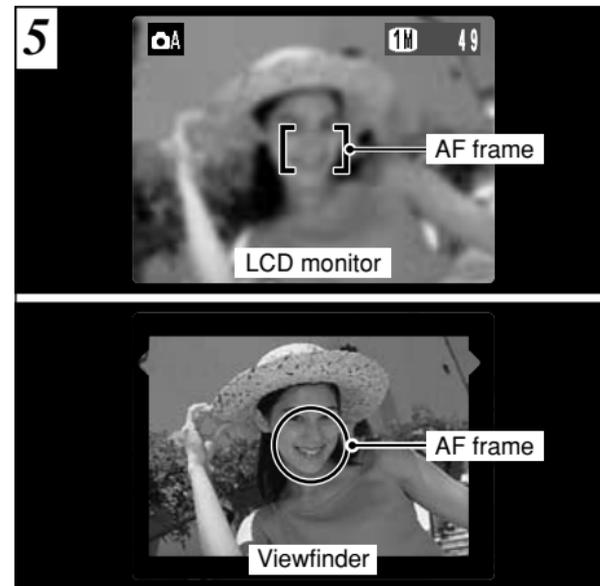
Using the viewfinder or LCD monitor, frame your shot so that the subject fills the entire AF (Auto Focus) frame.

! If your subject is not in the center of the picture, use AF/AE lock to take the picture (➡P.27).

6
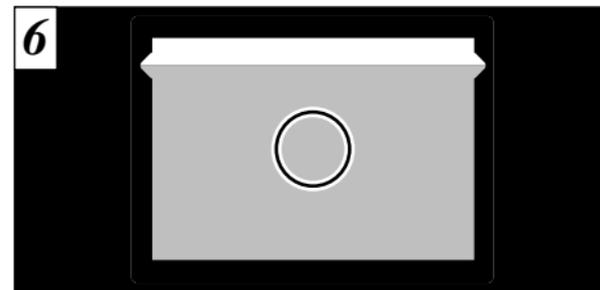
When you are using the viewfinder to take a picture at a distance of 0.6 m to 1.5 m (2.0 ft. to 4.9 ft.), only the shaded area in the figure is photographed.

! To center the photographed area accurately, you should use the LCD monitor to take the shot.
! In some conditions it may be difficult to see your subject clearly on the LCD monitor (such as in sunny weather outdoors or when you are shooting dimly lit scenes). In such situations, use the viewfinder to take the shot.
! The image shown on the LCD monitor before you take the shot may differ in its brightness, color, etc. from the image actually recorded. If necessary, play back the recorded image to check it (➡P.35).

22   23

2

7
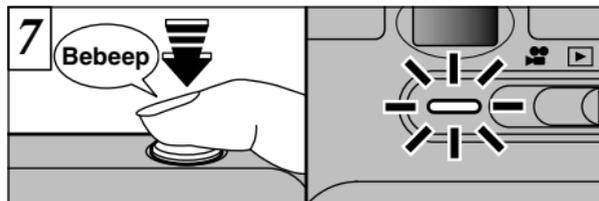
Bebeep

When you press the shutter button down halfway, the camera emits a short double-beep and focuses on your subject (the viewfinder lamp (green) changes from blinking to steady). At that point, the AF frame on the LCD monitor becomes smaller and the camera sets the shutter speed and aperture.

⚠ If the camera does not emit a short double-beep and "**!AF**" appears on the LCD monitor, the camera cannot focus.

⚠ When you press the shutter button down halfway, the image on the screen freezes temporarily. However, this image is not the recorded image.

⚠ If "**!AF**" is displayed on the screen (e.g. the shot is too dark for the camera to focus), try standing about 2 m (6.6 ft.) from your subject to take the picture.

8
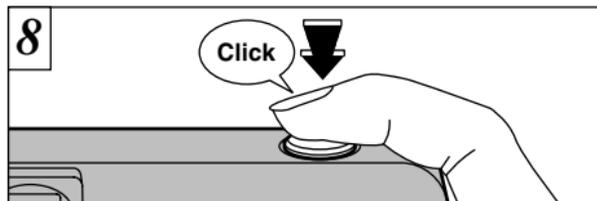
Click

If you press the shutter button down fully without releasing it, the camera makes a clicking noise and takes the picture. The camera then records the photographed image.

⚠ You can adjust the volume of the camera operation noises ("bebeep" and "click") or switch them off altogether in the SET–UP menu (➡P.78, 79).

⚠ There is a slight delay between the shutter button being pressed and the shot being taken. If necessary, play back the shot to check the image.

⚠ If you press the shutter button down fully in one motion, the shot is taken without the AF frame changing.

⚠ When you take a picture, the viewfinder lamp lights orange (camera not ready) before switching back to green to indicate that the camera is again ready for shooting.

⚠ The viewfinder lamp flashes orange while the flash is charging. If the LCD monitor is switched on, the screen may go dark for a moment. This is normal and does not indicate a fault.

⚠ See P.97-99 for information on the warning displays.

■ Viewfinder Lamp Display

Display	Status
Lit green	Ready to shoot.
Blinking green	AF/AE operating or camera shake/AF warning (ready to shoot).
Blinking green and orange alternately	Recording data to the SmartMedia (ready to shoot).
Lit orange	Recording data to the SmartMedia (not ready to shoot).
Blinking orange	Charging the flash (flash will not fire).
Blinking red	• SmartMedia-related warning. The SmartMedia is not loaded, is not formatted, is incorrectly formatted or has a write-protect sticker attached. SmartMedia full. SmartMedia fault. • Lens operation error.

✽ Detailed warning messages are displayed on the LCD monitor (➡P.97-99).

◆ Subjects Not Suitable for Autofocus ◆

Though the FinePix F401 uses an accurate autofocus mechanism, it may have difficulty focusing or not be able to focus at all on the types of subject and situation listed below. In such cases, the image may be out of focus.

● 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 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).

● Subjects moving at high speed.
● When something other than your subject is close to the AF frame, has contrasting areas of light and dark and is either closer or further away than your subject (as when you photograph someone against a background with strongly contrasting elements).

For subjects of this type, use AF/AE lock (➡P.27).

Number of Available Frames

The number of available shots is displayed on the LCD monitor.
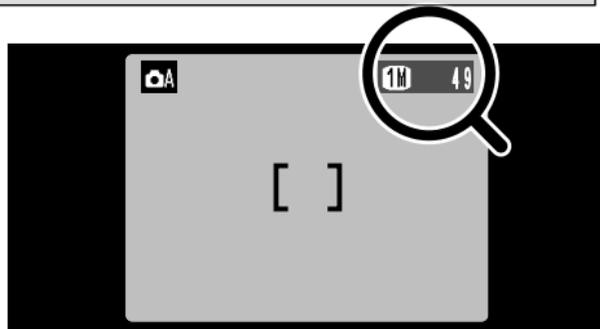
! See P.44 for information on changing the resolution.
! The default resolution "◄•" set at shipment is ▥.

■ Standard number of shots per SmartMedia

Because the amount of data recorded varies depending on the subject, the number of available shots may not decrease when recording ends, or may decrease by 2 frames. The discrepancy between the standard number of available shots and the actual number of available shots increases in proportion to the capacity of the SmartMedia.

Quality	▤ 4M・F	▤ 4M・N	▣ 2M	▥ 1M	▦ 0.3M
No. of recorded pixels	2304 × 1728		1600 × 1200	1280 × 960	640 × 480
Image Data Size	Approx. 1.6MB	Approx. 790KB	Approx. 390KB	Approx. 320KB	Approx. 130KB
MG-4S (4MB)	2	4	9	12	30
MG-8S (8MB)	4	9	19	25	61
MG-16S/SW (16MB)	9	19	39	49	122
MG-32S/SW (32MB)	20	39	79	99	247
MG-64S/SW (64MB)	40	79	159	198	497
MG-128SW (128MB)	81	159	319	398	997

26   ✱ Number of available shots displayed on the camera for a new SmartMedia formatted in the camera.

In a shot with this type of composition, the subjects (two people in this case) are not in the AF frame. If the shot is taken at this point, the subjects will not be in focus.

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

2

### ◆ AF (Autofocus)/AE (Auto exposure) Lock ◆

On the FinePix F401, when you press the shutter button down half way, the focus and exposure settings are fixed (AF/AE lock). If you want to focus on a subject that is off to one side of the image or if you want to set the exposure before you compose the final shot, lock the AF and AE settings and then compose and shoot your picture to get the best results.

27

3

Bebeep

4

Click

1/500 F5.6

1/500 F5.6

Without moving the camera, press the shutter button down halfway (AF/AE lock). Check that the AF frame on the LCD monitor has shrunk and the green viewfinder lamp has stopped flashing and is now lit.

Continue to hold the shutter button down halfway. Move the camera back to the original image and then fully press down on the shutter button.

⚠ You can reapply the AF/AE lock as many times as you like before releasing the shutter.

⚠ The AF/AE lock operates in all photography modes and can be used to ensure excellent results.

28

LCD monitor ON
↓
Framing Guideline displayed
↓
LCD monitor OFF
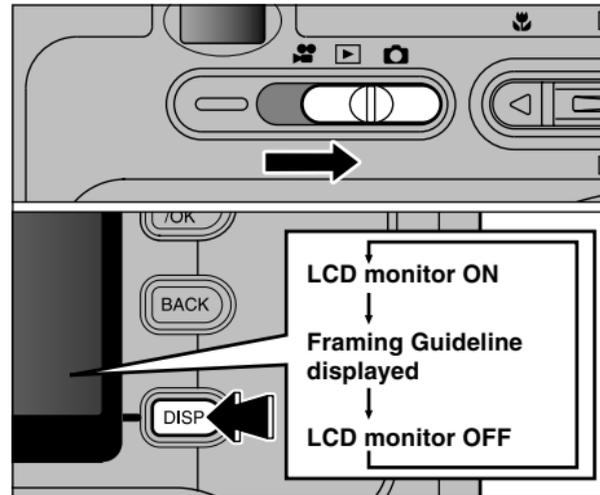
You can select the Framing Guideline function in the "⬛" still photography mode. The LCD monitor display changes each time you press the "DISP" button. Press the "DISP" button until "Framing Guideline" appears.

⚠ The framing guideline is not recorded on the image.

⚠ 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.

Scene

Use this frame when you want to position your main subject in the center of the frame or when you want to align your shot with the horizon. This feature provides a clear guide to the subject size and the overall balance of the shot so that you get exactly the shot you want.

⬛A   1M   49

[ ]

2

◆ **Important** ◆

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

29
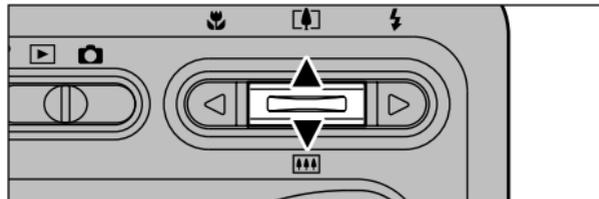
You can operate the optical zoom using the zoom buttons. You can also use the digital zoom when the resolution setting is "2M", "1M", "03M" or "MOVIE" (320 or 160). However, this only applies when you are using the LCD monitor to take pictures.

● **Digital zoom focal distance (35mm camera equivalent)**
  2M: Approx. 114 mm to 164 mm
    Maximum zoom scale: 1.44×
  1M: Approx. 114 mm to 205 mm
    Maximum zoom scale: 1.8×
  03M: Approx. 114 mm to 410 mm
    Maximum zoom scale: 3.6×
  320: Approx. 38 mm to 137 mm
    Maximum zoom scale: 3.6×
  160: Approx. 38 mm to 274 mm
    Maximum zoom scale: 7.2×

⚠️ You cannot use the digital zoom for resolutions of "4M".
⚠️ The digital zoom cannot be used in high-sensitivity photography (800, 1600).
⚠️ See P.44, 55 for information on changing the file size setting.

Zoom bar display

Digital zoom
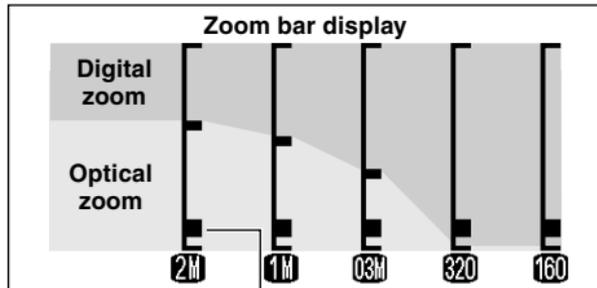
Optical zoom

The position of the "■" on the zoom bar indicates the current zoom setting.

● If the "■" is above the dividing line, the digital zoom is being used. If it is below the line, the optical zoom is being used,
● Press "[4](▲)" or "[444](▼)" to move the "■".
● When you switch between digital zoom and optical zoom, the "■" stops moving. Press the button for the same direction again to start the "■" moving again.

⚠️ If the image goes out of focus when you use the zoom, press the shutter button down halfway to refocus.
⚠️ The optical zoom is equivalent to approximately 38 mm-114 mm on a 35 mm camera.


Selecting Macro mode allows you to take close-up shots.

● **Effective Photography Range:**
  Approx. 10 cm to 80 cm (3.9 in to 31.5 in.).

⚠️ Macro photography is automatically cancelled in the following situations:
  • When you have switched photography modes.
  • When the camera is switched off.
⚠️ When you set the mode, the "🌷" icon is briefly displayed larger.
⚠️ To fire the flash, press "▶" and select "⚡" Forced Flash or "S⚡" Slow Synchro (➡P.33, 34). However, in some cases the correct brightness (exposure) may not be obtained.
⚠️ If you are shooting in a dark location (when the "!🖐" camera shake warning icon is displayed), use a tripod to prevent camera shake.

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.
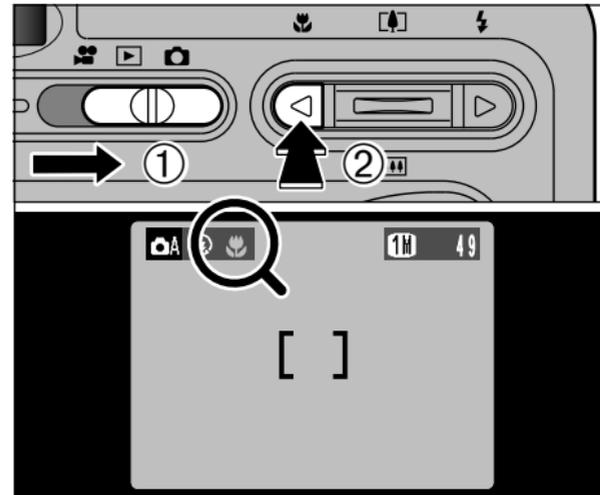
① Set the Mode switch to "📷".
② Press the "🌷" Macro button (◀). The "🌷" icon appears on the LCD monitor indicating that you can take close-up shots.
  To cancel Macro mode, press the "🌷" Macro button (◀) again.

⚠️ The LCD monitor automatically switches on.
⚠️ You cannot switch the LCD monitor off.
⚠️ When you cancel Macro mode, the LCD monitor remains on.

No icon → ⊙ → ⚡

S⚡ ← ⊗

You can choose from 5 flash modes according to the type of shot.
① Set the Mode switch to "⊡".
② The flash setting changes each time you press the "⚡" Flash button (▶). The last flash mode displayed is selected.

● **Effective flash range (for ⊡A AUTO)**
Wide-angle: Approx. 0.4 m to 3.5 m (1.3 ft. to 11.5 ft.)
Telephoto : Approx. 0.4 m to 2 m (1.3 ft. to 6.6 ft.)

⚠ The selected flash icon is briefly displayed larger.
⚠ If you use the flash in very dusty conditions or when it is snowing, white dots may appear in the image due to the flash reflecting off the dust particles or snowflakes.
Try taking the shot with the flash switched off.

Auto Flash Mode (no icon)

Use this mode for ordinary photography. The flash fires automatically as required by the shooting conditions.

⚠ The flash charging time may increase if the charge remaining in the battery is low.
⚠ When you take a shot using the flash, you may see the video image disappear and the screen go dark as the flash charges. The viewfinder lamp flashes orange while the flash is charging.

⊙ 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.

⚡ Forced Flash

Use this 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.

◆ **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 to effectively minimize the likelihood of the red-eye effect.
Take the following measures to make Red-Eye Reduction more effective:
● Get the subjects to look at the camera.
● Get as close as possible to the subjects.

⊘ Suppressed Flash

Use this mode for photography using indoor lighting, for shots taken through glass, and for photography in venues such as theaters or at indoor sporting events where the distance is too great for the flash to be effective. When you use Suppressed Flash, the Automatic White Balance function (➡P.104) operates so that natural colors are captured along with the ambience of the available light.

S⚡ Slow Synchro

This is a flash mode that uses a slow shutter speed (slowest shutter speed: 1/4 sec.). This allows you to take pictures of people at night that clearly show both your subjects and the night time backdrop.

Fast Forwarding Images

Set the Mode switch to "▶".
You can "◀" and "▶" button to move forward and backward respectively through your images.

! When you set the Mode switch to "▶", the last image shot is displayed.
! If the lens is extended during playback, the camera retracts the lens as a protective measure if the camera is not used for approximately 6 seconds.

You can fast forward through the frames by holding down "◀" or "▶" button for about 1 second during playback.

! A progress bar is displayed to show the approximate playback position on the SmartMedia.

! If you are shooting in Suppressed Flash mode in dark conditions, use a tripod to prevent camera shake.
! See P.25, 97 for information on the camera shake warning.

! The image may be overexposed when you shoot bright scenes.
! Because a slow shutter speed is used, a tripod should be used to prevent camera shake.

◆ Images That Can be Viewed on the FinePix F401 ◆
You can use this camera to view (excluding some uncompressed data) images recorded on a FinePix F401 or images recorded onto a 3.3V SmartMedia using a FUJIFILM FinePix series, MX series and DX series digital camera.

2

1

Text displayed
↓
No text displayed
↓
Multi-frame playback

In playback mode, the display shown on the LCD monitor switches each time you press the "DISP" button. Press the "DISP" button until the multi-frame playback screen (9 frames) appears.

2

① ②

100-0009

4/22/2002
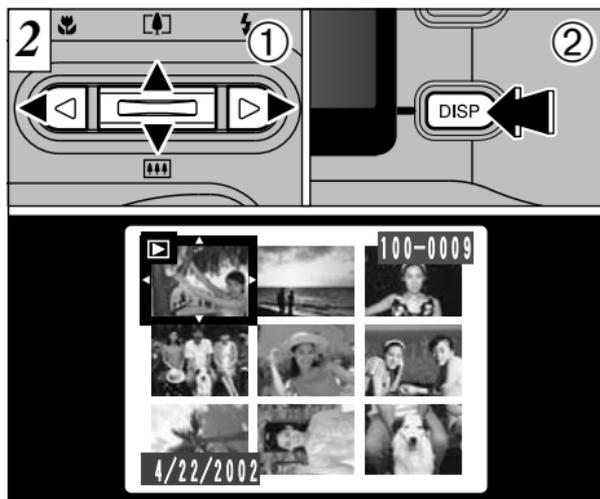
① Select a frame by using "◀", "▶", "[♠](▲)" and "[♠♠](▼)" button to move the cursor (the orange box) to the desired frame. Press the "[♠](▲)" or "[♠♠](▼)" button several times to switch to the previous page or the next page.
② You can enlarge the selected image by pressing the "DISP" button again.

⚠ The LCD monitor text display disappears after approximately 3 seconds.
⚠ Playback zoom cannot be used with multi-frame playback.

1

Zoom bar

D I S P PANNING
O K TRIMMING
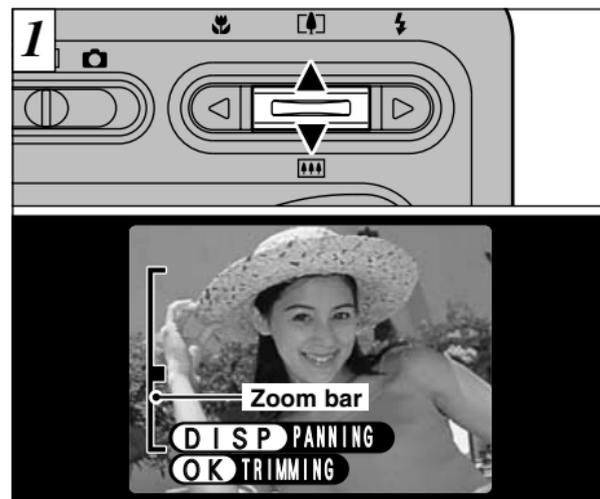
Pressing the "[♠](▲)" or "[♠♠](▼)" button during single-frame playback zooms in (enlarges) or out on a still image. When you use this function, a zoom bar is displayed. On-screen help is also displayed at the bottom of the screen.

● **Zoom scales:**
  - 4M 2304 × 1728 pixel images: Max. 14.4×
  - 2M 1600 × 1200 pixel images: Max. 10×
  - 1M 1280 × 960 pixel images: Max. 8×
  - 03M 640 × 480 pixel images: Max. 4×

⚠ Pressing the "◀" or "▶" button during zooming cancels zooming and moves to the next image.

2

① ③ ②

D I S P ZOOM
O K TRIMMING

After you have zoomed in on your image,
① Press the "DISP" button.
② Use "[♠](▲) [♠♠](▼)" and "◀▶" to zoom in on different parts of the image.
③ Press the "DISP" button again to revert to zoomed display.

⚠ Press the "BACK" button to return to normal unscaled display.

2

Saving Trimmed Images

1
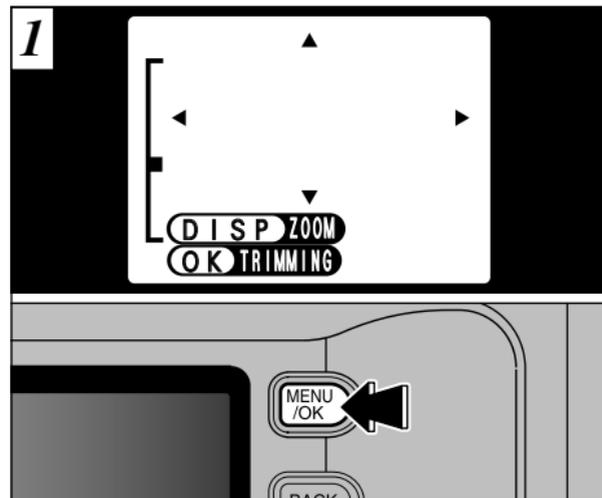
After using playback zoom, press the "MENU/OK" button to trim the image.

The size of the saved image varies depending on the zoom scale. In 0.3M mode, " TRIMMING " is displayed in yellow. At recorded pixels below 0.3M, " TRIMMING " is no longer displayed.

2

▣ TRIMMING

➡ 0.3M
REC OK?

OK   BACK

Check the size of the image being saved and then press the "MENU/OK" button. The trimmed image is added as a separate file in the last frame.

■**Image Sizes**

2M	Best for prints
1M	Good for prints
03M	" TRIMMING " is displayed in yellow since the quality is too low for printing.

✽ Lower than 03M : " TRIMMING " is no longer displayed and images cannot be saved trimmed as the quality is not suitable for printing.

1
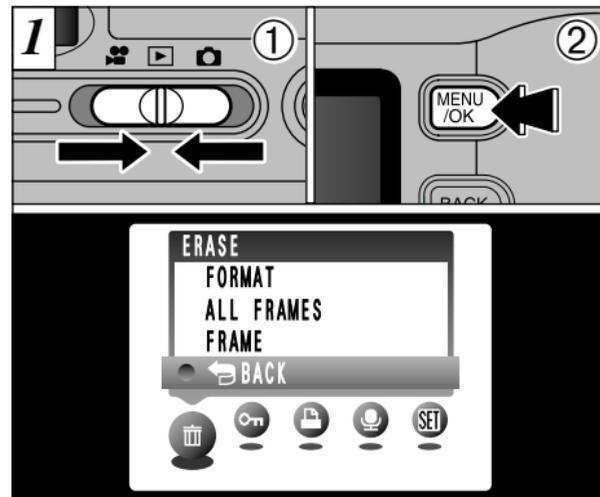
① Set the Mode switch to "▶".
② Press the "MENU/OK" button to display the Menu screen on the LCD monitor.

2

ERASE
  FORMAT
 ALL FRAMES
  FRAME
  ↩ BACK

Select "FRAME" in the " ERASE" menu and press the "MENU/OK" button.
See P.58 for more information on "ALL FRAMES" and "FORMAT".

To revert to image playback without erasing the image, select "BACK" and press the "MENU/OK" button.

3

🗑 100-0049
FRAME

ERASE OK?

OK BACK
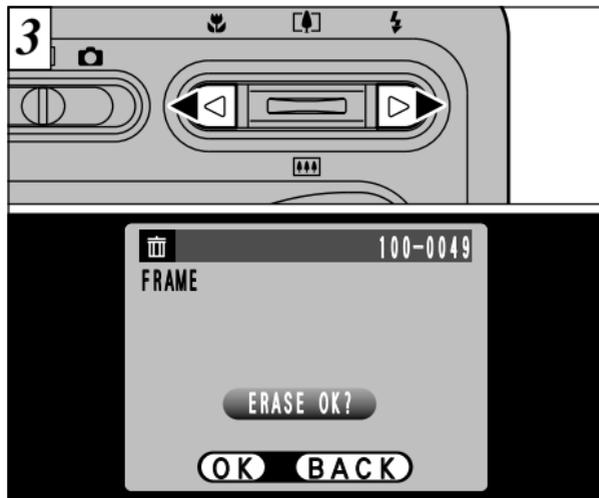
Press "◀" or "▶" to view the frame (individual file) you want to erase.

⚠ Press the "BACK" button to cancel frame erasing.

Note that mistakenly erased images cannot be recovered. You should copy important files that you do not want to be erased to your computer or another media.

4
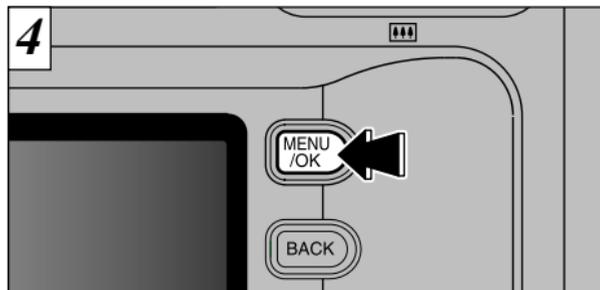
Pressing the "MENU/OK" button erases the frame (individual file) displayed. When erasing is complete, the next image appears and the "ERASE OK?" message is displayed.

To erase another frame, repeat steps *3* and *4*.

40


1
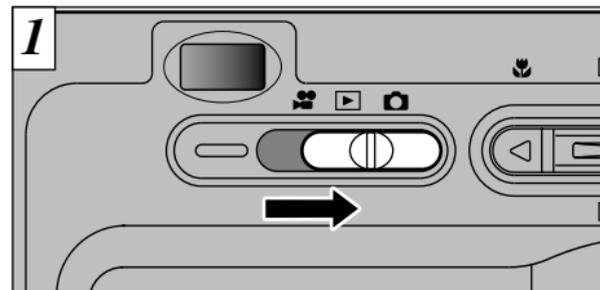
Set the Mode switch to "▢".

⚠ See P.52 for information on shooting movies.

▢A AUTO

This is the easiest mode for taking pictures and can be used in a wide range of conditions.

▢M MANUAL

This mode allows you to specify your own brightness, white balance and sensitivity settings.

2

OPTION
SET-UP
LCD BRIGHTNESS
▢ AUTO
▢ MANUAL
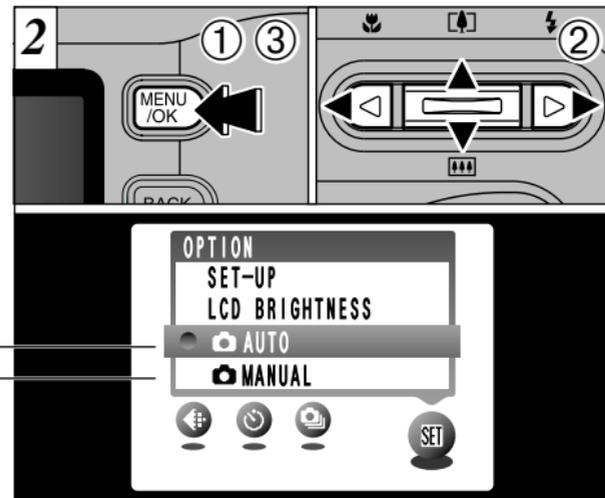
① Press the "MENU/OK" button to display the menu.
② Use "◀" or "▶" to select "⚙" OPTION and then use "[△](▲)" or "[▦](▼)" to select "▢ AUTO" or "▢ MANUAL".
③ Press the "MENU/OK" button to confirm the selection.

41

PHOTOGRAPHY MENU OPERATION/PHOTOGRAPHY MENU OPTIONS

Photography Menu Operation

1
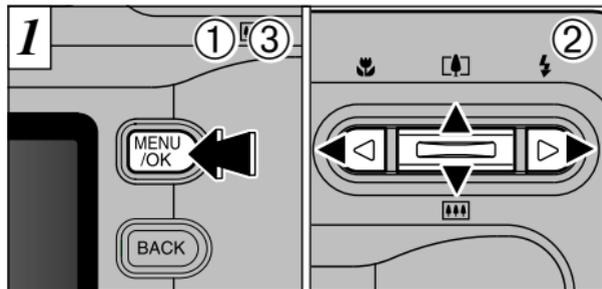
① Press the "MENU/OK" button to display the menu.
② Use "◀" and "▶" to select the menu item and "[▲](▲)" and "[▼](▼)" to change the setting.
③ Press the "MENU/OK" button to confirm the selection.

2
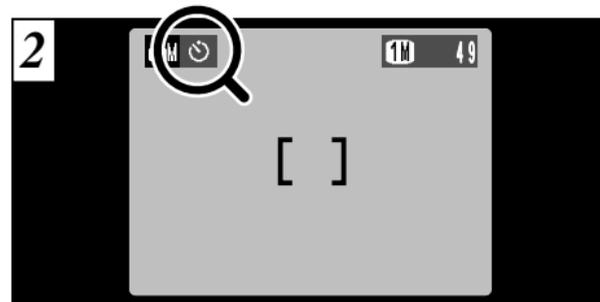
When you enable the setting, an icon appears in the top-left corner of the LCD monitor.

❢ The settings available in the menu screen differ depending on the still image mode.

Photography Menu Options

🅆🄱 White balance	🄴🅅 EV	🄸🅂🄾 Sensitivity		🄵 Quality	⏱ Self-timer photography	🄲 Continuous shooting	🄾🄿🅃 Option
WHITE BALANCE 🌫 🔆 ☀ ► AUTO	EV ▲ +0.6 +0.3 0 ▼ −0.3	ISO 1600 🄼 800 🄼 400 ► 200		QUALITY 🄸🄼 4M·N 10 🅆🄼 2M 25 🅃🄼 1M 50 🄸🅂🄾 0.3M 124	SELF-TIMER ON ► OFF	CONT. FINAL 4 TOP 4 ► OFF	OPTION SET-UP LCD BRIGHTNESS ► 🄰 AUTO 🄼 MANUAL
			In "🄼" (Manual) mode: Pressing "◀" or "▶" once more in the resolution and sensitivity settings jumps to the previous page or the next page.				
Available modes 🄼				Available modes 🄰, 🄼, 🎥	Available modes 🄰, 🄼	Available modes 🄰, 🄼	Available modes 🄰, 🄼, 🎥
Default setting: AUTO	Default setting: 0	Default setting: 200		Default setting: 🅃 (🄰), 🄼 (🎥)	Default setting: OFF	Default setting: OFF	—
See P.51 for details.	See P.50 for details.	See P.49 for details.		See P.44, 55 for details.	See P.45 for details.	See P.47 for details.	See P.78 for details.

3

✻ Displaying the menus (➡P.42)

◀: SETTING QUALITY MODE (NO. OF RECORDED PIXELS FOR STILL IMAGES)

QUALITY

This mode can be selected in the "📷A", "📷M" still image modes.

You can choose from 5 settings. Use the table on the right as a guide for selecting the best setting for the shot you want to take.
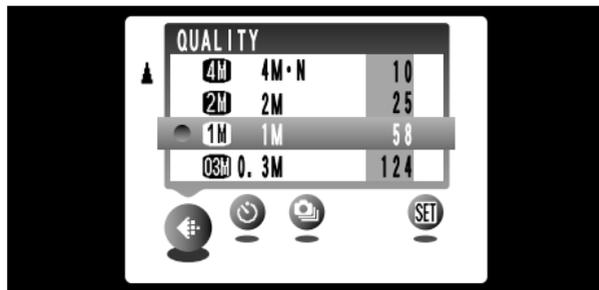
Use	Quality Mode
Printing ↕ Internet	4M 4M • F (2304 × 1728)
	4M 4M • N (2304 × 1728)
	2M 2M (1600 × 1200)
	1M 1M (1280 × 960)
	0.3M 0.3M (640 × 480)

<Examples>

● To print at A5 size or larger

→ 4M 4M • F or 4M 4M • N

✻ Select "F" (FINE) for better image quality and "N" (NORMAL) to increase the number of available shots.

In most cases, the "N" (NORMAL) setting provides more than adequate image quality.

● To print at A6 (postcard) to A5 size → 2M 2M
● To print at A7 (half postcard) to A6 size → 1M 1M
● For an image attached to E-mail or used on a website → 0.3M 0.3M

⚠ The numbers to the right of each setting show the number of available shots.

⚠ When you change the resolution, the number of available shots also changes.

⚠ See P.55 for information on the resolution setting for Movie mode.

44


⌚ SELF-TIMER PHOTOGRAPHY ✻ Displaying the menus (➡P.42)

1 SELF-TIMER

ON
OFF

2
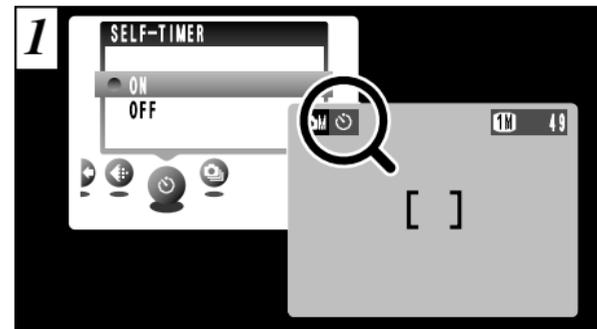
This mode can be selected in the "📷A", "📷M" still image modes.

When you set the self-timer to "ON", "⌚" appears on the LCD monitor.

In this mode, a timer runs for roughly 10 seconds before the shutter is released. Use this mode for shots such as photographs of yourself.

⚠ The self timer is automatically switched off in the following situations:
• When shooting ends
• When you switch to "📷A" or "📷M" mode
• When you change the Mode switch setting
• When the camera is switched off.
⚠ You can also use the AF/AE lock (➡P.27).
⚠ Be careful not to stand in front of the camera when you press the shutter button as this can cause focusing or exposure metering errors.
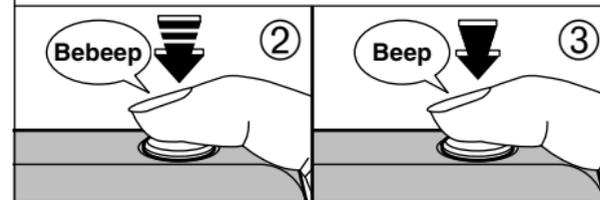
① Position the AF frame over your subject.
② Press the shutter button down half way to set the focus.
③ Without releasing the shutter button, press it down fully. The self-timer then starts running.

Bebeep ②   Beep ③

3

45
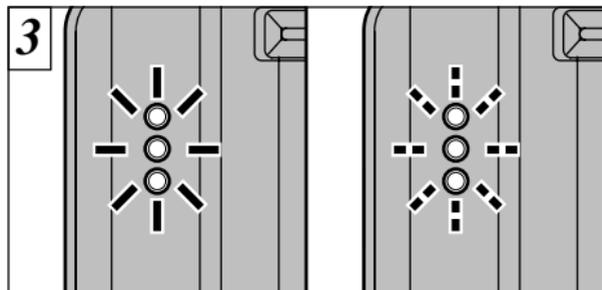
The self timer lamp lights for 5 seconds and then starts flashing. 5 seconds later the camera makes a clicking noise and takes the picture.
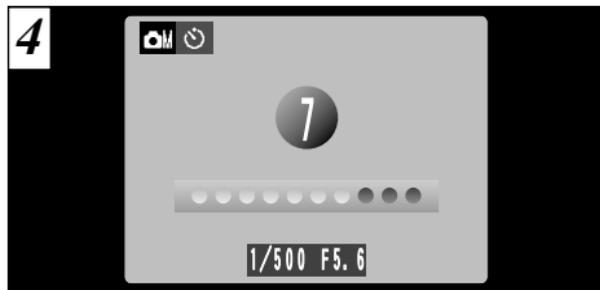
Until the picture is taken, a countdown appears on the LCD monitor.
Self-timer mode is automatically cancelled after each shot.

1/500 F5.6

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

46

CONT.
FINAL 4
TOP 4
OFF
SET
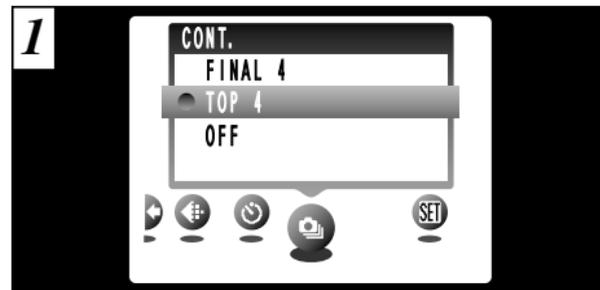
This mode can be selected in the "▣A", "▣M" still image modes.
Select the continuous shooting mode you want to use.
See P.48 for more information on continuous shooting modes.

! " SHOOTING " appears on the LCD monitor during shooting.
! You cannot use the flash in this mode.
! The speed of continuous shooting remains the same regardless of the resolution setting.
! The shots should be taken using the viewfinder.
! The results of the shot are displayed even when "POSTVIEW" is set to OFF (➡P.79).
! The time required to record a file is approximately 8 seconds in "▥" mode (for TOP or FINAL 4-frame continuous shooting).
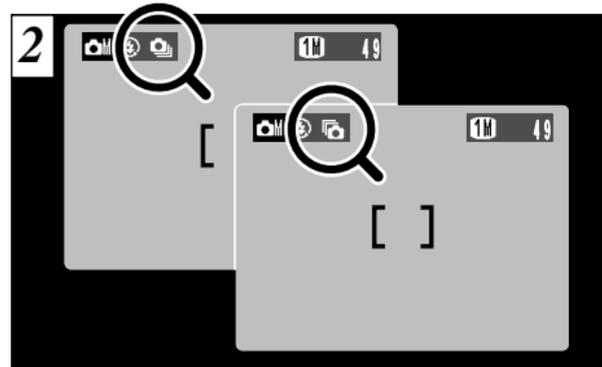
When Top 4-frame continuous shooting is set to ON, the "⌷ᵢ" icon appears on the LCD monitor.
When Final 4-frame continuous shooting is set to ON, "▫" appears on the LCD monitor.
Continuous shooting continues while the shutter button is pressed down fully.

! The focus and exposure are determined for the first frame and cannot be changed during shooting.
! If there is insufficient available space on the SmartMedia to take the maximum number of continuous shots, the number of shots that can be recorded is taken.

3

47

⊒ Top 4-frame Continuous Shooting

In this mode, you can shoot up to 4 frames at intervals as short as 0.3 seconds. When you take the shots, the photographed images are displayed and automatically recorded.

🔂 Final 4-frame Continuous Shooting

Max. 25 shots

Press shutter button

Release shutter button

× × × × × 1 2 3 4
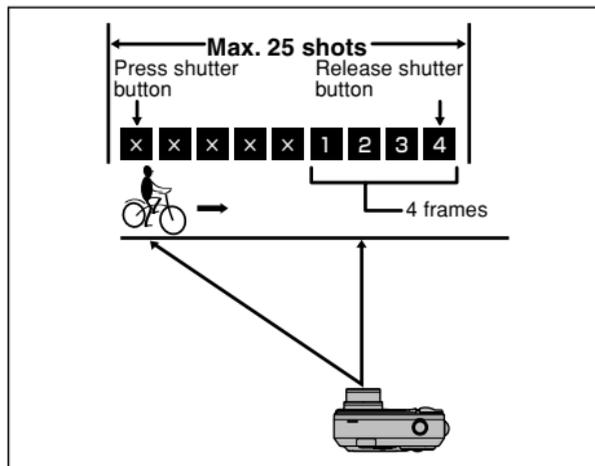
4 frames

This mode allows you to release the shutter up to 25 times (at intervals as short as 0.3 seconds) and record the last 4 frames. If you take your finger off the shutter button before 25 shots have been taken, the camera records the final 4 frames shot before you released the shutter button.
If there is insufficient capacity on the SmartMedia, the number of shots that could be recorded just before the shutter button was released is taken.

48

ISO
1600 1M
800 1M
400
200

WB ☑ ISO
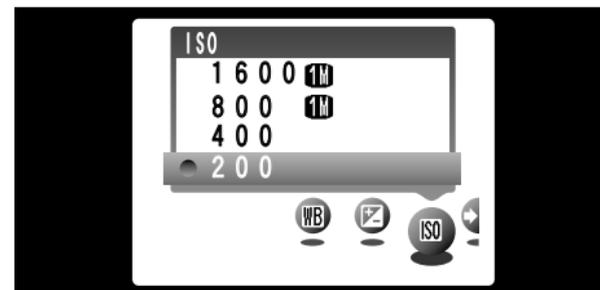
This mode can be selected in the "○M" photography mode. Use this setting when you want to take bright pictures indoors without using a flash or when you want to use a fast shutter speed (to prevent camera shake, etc.).
● **Settings:** 200 (standard), 400, 800, 1600

⚠ While selecting a higher sensitivity setting will allow you to take pictures in darker locations, it will also increase the amount of speckling in your images.
Streaking may also be visible in shots of scenes such as the night sky.
Choose the sensitivity setting that best suits the conditions.
⚠ When you specify a high sensitivity, the amount of noise (interference) in the image shown on the LCD monitor before the shot is taken increases. However, this is normal and does not indicate a fault.
⚠ The digital zoom cannot be used in high-sensitivity photography.

If you select a photography mode other than "○M" when a high sensitivity setting is selected, the resolution reverts to the setting specified just before the sensitivity was set.

High-sensitivity photography (800 or 1600)

QUALITY➡ 1M

1M ISO 800   1M   49

[ ]
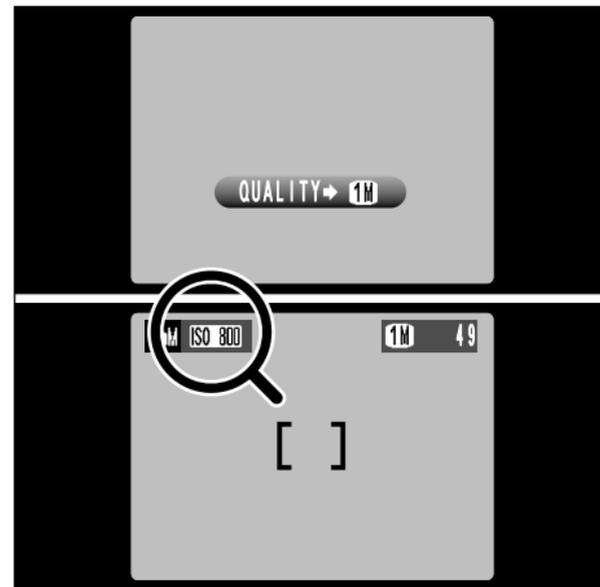
When a high sensitivity (800 or 1600) is set, "ISO 800" or "ISO 1600" appears on the LCD monitor and the resolution is automatically set to "1M". If you try to select a resolution other than "1M" when a high sensitivity setting is selected, "ISO 800" or "ISO 1600" flashes and the resolution remains unchanged. **49**

3

EV (EXPOSURE COMPENSATION)

✽ Selecting ⬛A/⬛M (➡P.41)
✽ Displaying the menus (➡P.42)

```
EV
▲  +0. 6
   +0. 3
●  0
▼  −0. 3
```
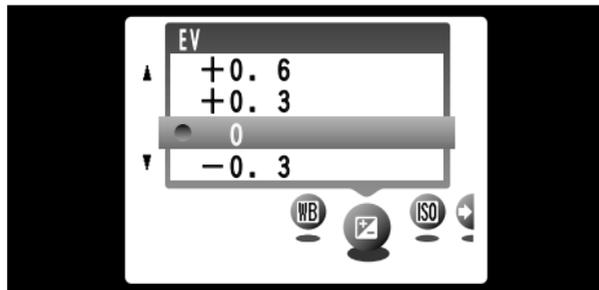
This mode can be selected in the "⬛M" photography mode.

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

● **Correction range:** 13 steps
(−2.1 EV to +1.5 EV in 0.3 EV increments)
See P.103 for more information on EV.

◆ **Subjects for Which Exposure Adjustment is Particularly Effective** ◆

Guide to using + (positive) compensation

● Copying of printed text (black characters on white paper) (+1.5 EV)
● Backlit portraits (+0.6 EV 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)

Guide to using – (negative) compensation

● 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)

🔅 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.

50

WHITE BALANCE (SELECTING THE LIGHT SOURCE)

✽ Selecting ⬛A/⬛M (➡P.41)
✽ Displaying the menus (➡P.42)

```
WHITE BALANCE
▲  ⚡
   ☁
   ☀
●  AUTO
```
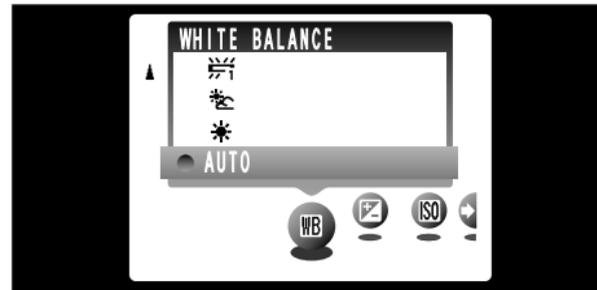
This mode can be selected in the "⬛M" photography mode.

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.104 for information on the white balance.

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

✽ When the flash fires, the white balance set for the flash is used. To achieve a particular desired effect, set the flash mode to Suppressed Flash (➡P.34).

3

51

1
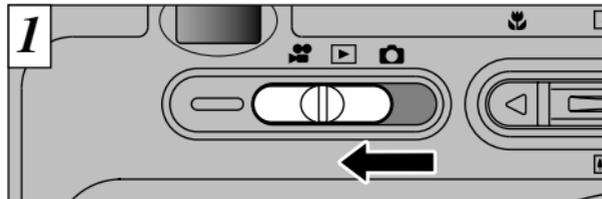
Set the Mode switch to "►◄".

This mode allows you to shoot movies up to 120 seconds (at the ⬚ setting) or 480 seconds (at the ⬚ setting) with sound. (See P.55 for information on resolution settings.)

●**Movie format:** Motion JPEG (➡P.103)
⬚ (320 × 240 pixels)
⬚ (160 × 120 pixels)
selectable
10 frames per second
With monaural sound

⚠ Because the audio is recorded as you shoot, take care not to cover the microphone with your finger (➡P.8).
⚠ Depending on the available space on the SmartMedia, the available shooting time per movie may be shorter.
⚠ You cannot switch the LCD monitor off in this mode.

It may not be possible to play back your movie on other cameras.

2
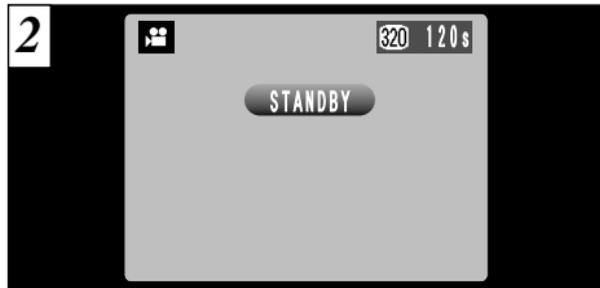
The available shooting time and the "(STANDBY)" message are shown on the LCD monitor.

■ **SmartMedia standard shooting time**

SmartMedia	Quality	
Capacity	⬚	⬚
MG-4S (4MB)	Approx. 24 sec.	Approx. 83 sec.
MG-8S (8MB)	Approx. 49 sec.	Approx. 169 sec.
MG-16S/SW (16MB)	Approx. 98 sec.	Approx. 5.6 min.
MG-32S/SW (32MB)	Approx. 199 sec.	Approx. 11.3 min.
MG-64S/SW (64MB)	Approx. 6.7 min.	Approx. 22.8 min.
MG-128SW (128MB)	Approx. 13.4 min.	Approx. 45.6 min.

✻ The available shooting time displayed on the camera for a new SmartMedia formatted in the camera.

3
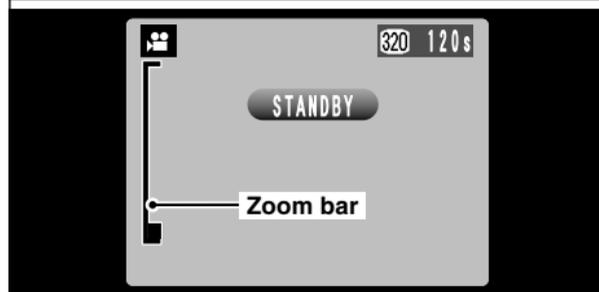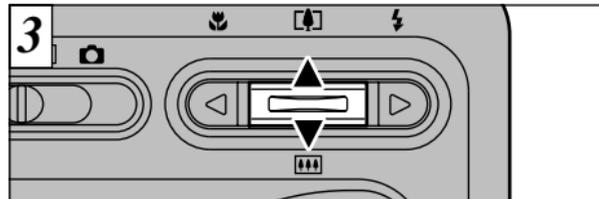
Zoom bar

In Movie (video) mode, the lens is fixed at the wide-angle setting and only the digital zoom can be used. You can use the "⬚(▲)" and "⬚(▼)" zoom buttons to zoom in and out. A "zoom bar" appears on the LCD monitor.

●**Digital zoom focal distance (35mm camera equivalent)**
⬚: Approx. 38 mm to 137 mm
Maximum zoom scale: 3.6×
⬚: Approx. 38 mm to 274 mm
Maximum zoom scale: 7.2×

4
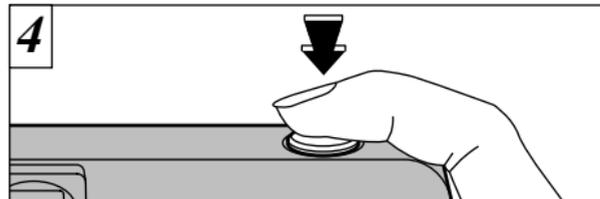
Press the shutter button down fully to start shooting the movie.

⚠ If the brightness of the subject changes while you are shooting a movie, the sound of the aperture operating may be recorded in the movie.
⚠ Camera operation noises may be recorded during movie shooting.
⚠ You do not need to hold down the shutter button.
⚠ The focus is fixed at 2 m (6.6 ft.) to infinity.
⚠ The focus and white balance are fixed during shooting, but the exposure varies automatically to suit the scene being shot.
⚠ The image shown on the LCD monitor before you take the shot may differ in its brightness, color, etc. from the image shown on the monitor during movie recording.

The white balance is set automatically when you press the shutter button down fully.

3

5

●REC 320 77s

During shooting, a timer in the top-right corner of the LCD monitor counts down the remaining time.

6

STORING
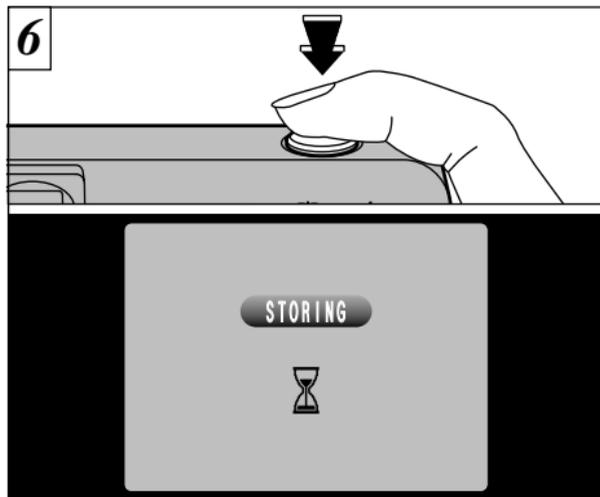
If you press the shutter button once more during shooting, shooting ends and the movie is recorded onto the SmartMedia.

! Once the remaining time runs out, movie recording automatically stops and the movie is stored on the SmartMedia.

! The time required to record a 120 second movie (roughly 20 MB) is approximately 14 seconds.

! If you end shooting immediately after you start shooting, only 1 second of movie is shot.

Resolution settings for movies

1
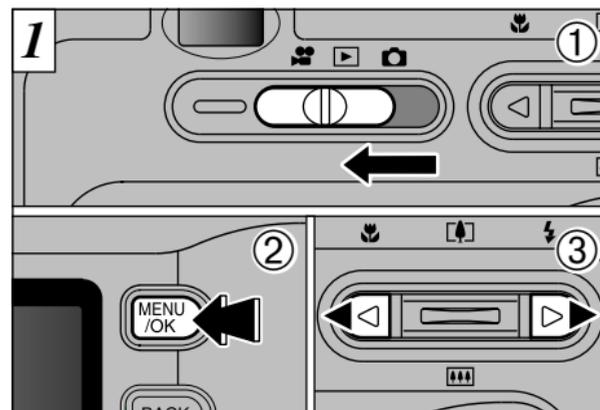
① Set the Mode switch to "📹".
② Press the "MENU/OK" button to display the menu screen.
③ Press "◀" or "▶" to select "◀:" Quality.

You can select 2 levels of quality. For better image quality, select "320", and for longer photography time, select "160".

	Movie Size	**Maximum shooting time**
320	320×240	120 sec.
160	160×120	480 sec.

2

QUALITY

● 320 3 2 0 × 2 4 0
160 1 6 0 × 1 2 0
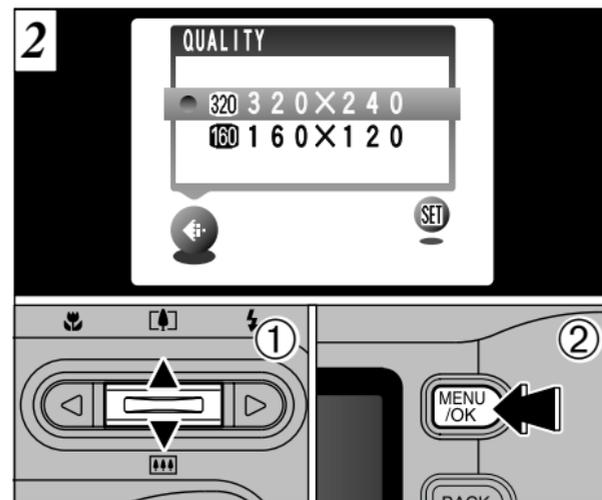
① Use "[4](▲)" and "[444](▼)" to change the quality setting.
② Press "MENU/OK" button to confirm your selection.

3