

 **FUJIFILM**

**digital**  
Tools for the imagination.

**xD**  
xD-Picture Card™

**Exif Print**

  
PictBridge



DIGITAL CAMERA  
***FinePix F450***

**OWNER'S MANUAL**

This manual will show you how to use your  
FUJIFILM DIGITAL CAMERA FinePix F450 correctly.  
Please follow the instructions carefully.

**1** Getting Ready

**2** Using  
the Camera

**3** Advanced  
Features

**4** Settings

**5** Software  
Installation

**6** Viewing Images

# Warning

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

## For customers in the U.S.A.

**Tested To Comply  
With FCC Standards  
FOR HOME OR OFFICE USE**

### 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 A/V cable, 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.98) and make sure you understand them before using the camera.**

# IMPORTANT

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Upon termination or expiration of this Agreement, you shall, at your own responsibility and expense, delete or destroy immediately all Software (including its copies), Media and Documentation.

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This Agreement shall be governed by and construed in accordance with laws of Japan.

# 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: FUJIFILM DIGITAL CAMERA FinePix F450  
Manufacturer's Name: Fuji Photo Film Co., Ltd.  
Manufacturer's Address: 26-30, Nishiazabu 2-chome, Minato-ku,  
Tokyo 106-8620, Japan

is in conformity with the following Standards

Safety: EN60065  
EMC: EN55022: 1998 Classe B  
EN55024: 1998  
EN61000-3-2: 1995 + A1:1998 + A2:1998

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

July 1, 2004

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 important photographs (such as weddings and overseas trips), always take a test shot and view the image to make sure that the camera is working 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 **xD-Picture Card** 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 is damaged, take particular care with the liquid crystal in the monitor. 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 soap and running water.
- 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

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- 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.
- Other company or product names are trademarks or registered trademarks of the respective companies.

### ■ Explanation of Color Television System

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

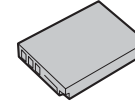
PAL: Phase Alternation by Line, a color television system adopted mainly by European countries and China.

### ■ 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.

## Accessories included

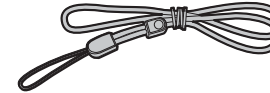
- **NP-30 Rechargeable Battery (1)**  
Hard case included



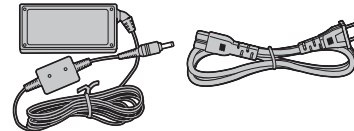
- **16 MB, xD-Picture Card™ (1)**  
Included with: Anti-static case (1)



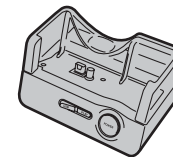
- **Strap (1)**



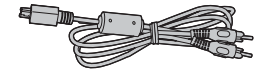
- **AC Power Adapter AC-5VW (1 set)**



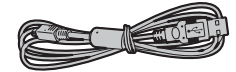
- **Picture Cradle (1)**



- **A/V cable for FinePix F450 (1)**  
(approx. 1.2 m (3.9 ft.))



- **USB cable (1)**  
(approx. 1.2 m (3.9 ft.))



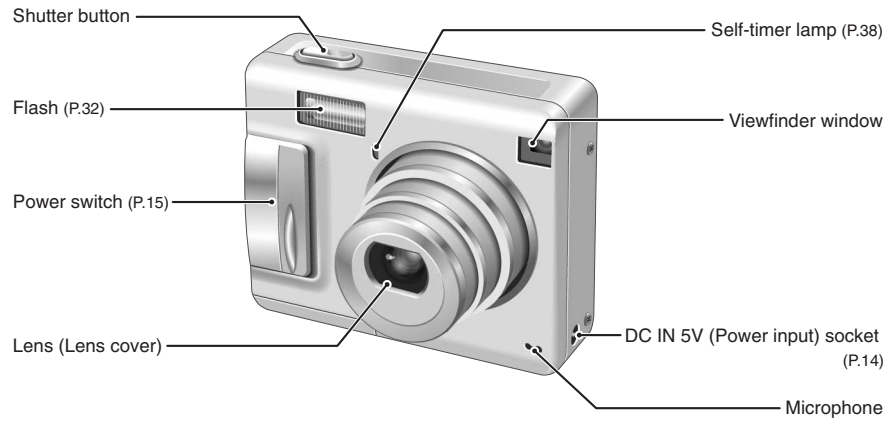
- **CD-ROM (1)**  
Software for FinePix AX



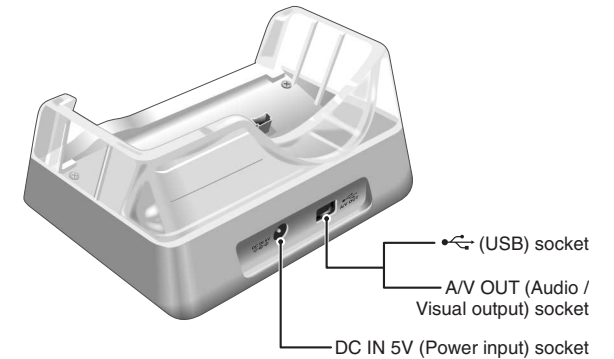
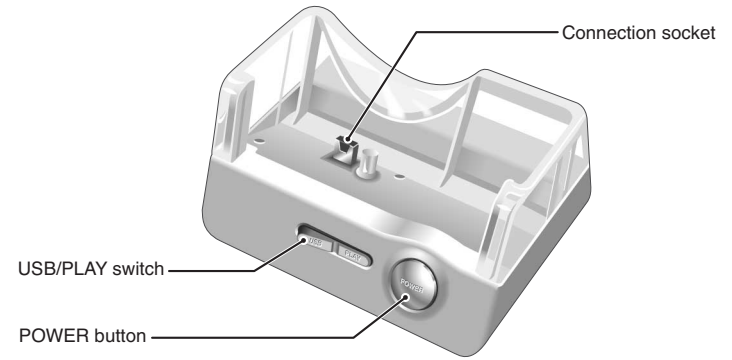
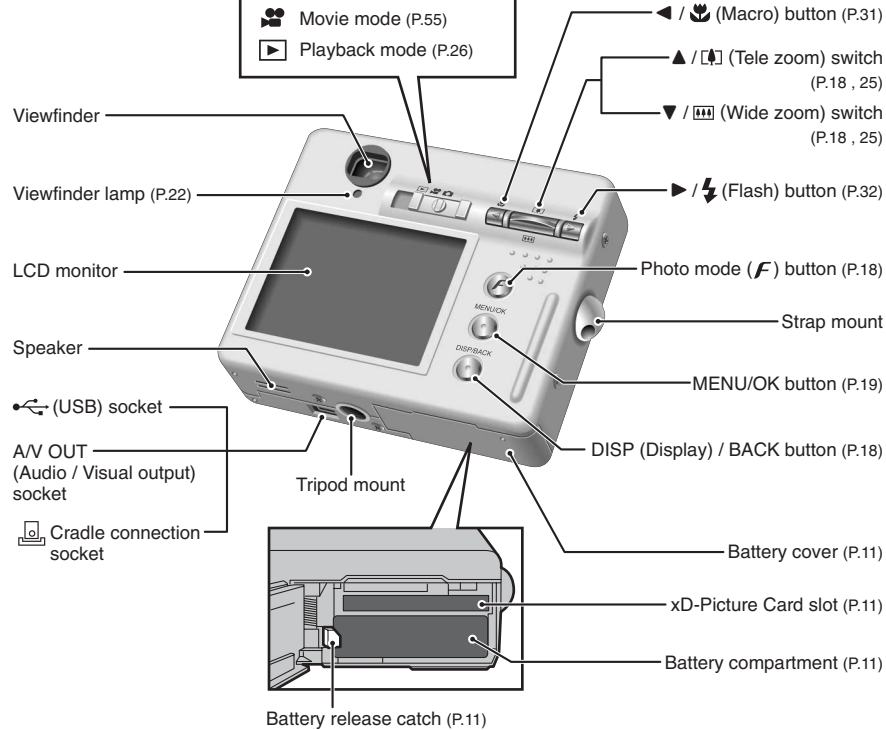
- **Owner's Manual (this manual) (1)**

# Camera parts and features

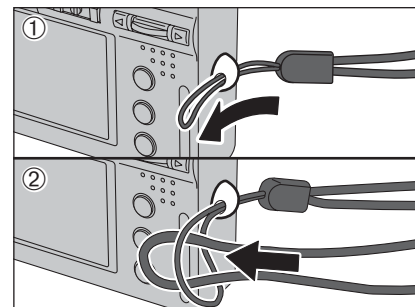
\* Refer to the pages in parentheses for information on using the camera parts or features.



- [Mode switch]**
- Photography mode (P.20)
  - Movie mode (P.55)
  - Playback mode (P.26)

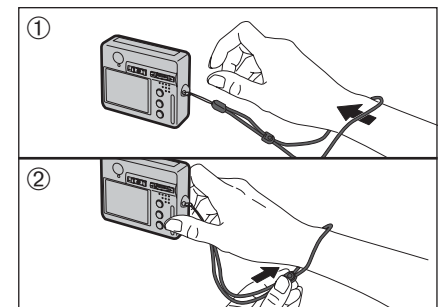


## Attaching the strap



Attach the strap as shown in ① and ②.

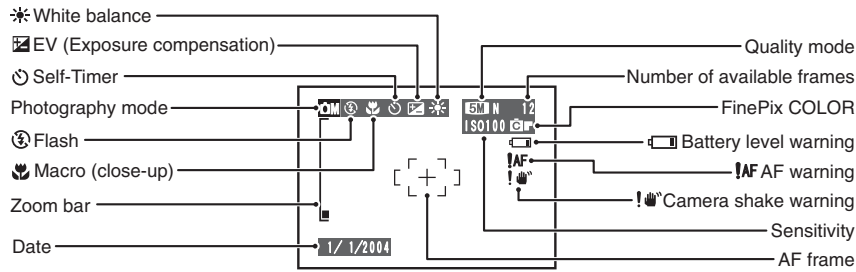
## Using the strap



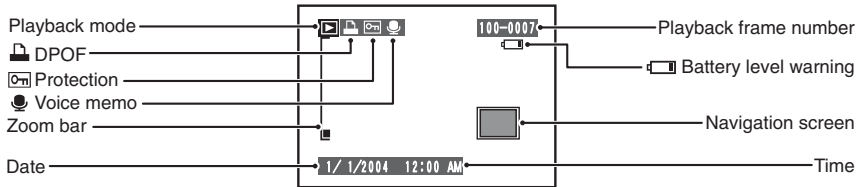
① Loop the strap over your wrist.  
② To avoid dropping the camera, secure the strap around your wrist by sliding the fastener to adjust the length.

## Example of LCD Monitor text display

### Photography mode



### Playback mode



### Displaying the On-screen Help

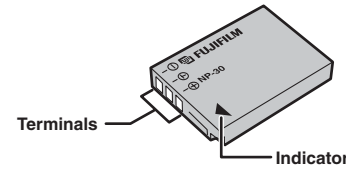
Instructions for the next step in the procedure appear at the bottom of the LCD monitor. Press the button indicated.



Press the "MENU/OK" button to erase the displayed frame. To cancel erasing, press the "DISP/BACK" button.

OK YES BACK CANCEL

## Compatible battery

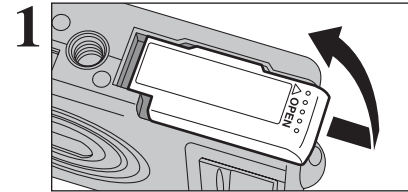


Always use the Rechargeable Battery NP-30 (included).

The use of other brands of rechargeable battery could cause faults or damage to the camera.

### Rechargeable Battery NP-30 (1)

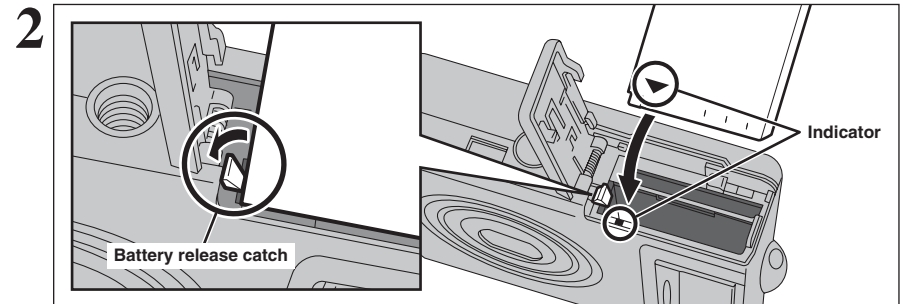
- The battery is not fully charged at shipment and must be fully charged before being used.
- Do not stick labels onto the battery as this could cause the battery to become jammed inside the camera.
- When removed from the camera, the battery should be stored and transported in the case provided. Any contact between the battery terminals could cause the battery to short-circuit and overheat.
- See P.88, 89 for information on the battery.



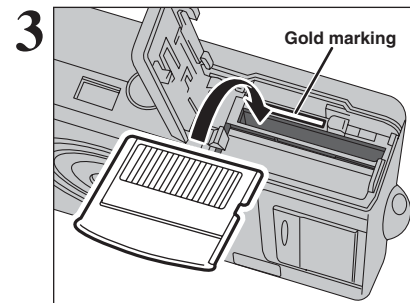
Check that the camera is turned off (viewfinder lamp is off) before opening the battery cover. Slide the battery cover to open it.

- If opening the battery cover while the camera is still on, the camera will turn off.
- Do not apply force to the battery cover.

Do not open the battery cover while the camera is on. This could damage the xD-Picture Card or ruin the image files on the xD-Picture Card.



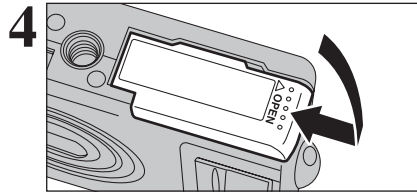
Push the battery release catch aside while loading the battery. Check that the battery is firmly held in place.



Align the gold marking on the xD-Picture Card slot with the gold contact area on the xD-Picture Card and push the card firmly all the way into the slot.

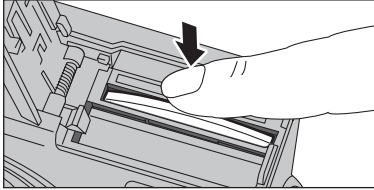
- If the xD-Picture Card is oriented incorrectly, it will not go all the way into the slot. Do not apply force when inserting an xD-Picture Card.

## LOADING THE BATTERY AND THE MEDIA



Close the battery cover.

### ◆ How to replace the xD-Picture Card ◆



Push the **xD-Picture Card** into the slot and then slowly remove your finger. The lock is released and the **xD-Picture Card** is pushed out.

### Checking the battery charge

Turn the camera on and check whether the battery level warning ( , or ) appears on the LCD monitor.

- |   |  |              |
|---|--|--------------|
| ① |  | Lit white    |
| ② |  | Lit white    |
| ③ |  | Lit red      |
| ④ |  | Blinking red |

- ① There is ample battery charge. (Only displayed for 3 seconds when the camera is turned on or the mode is changed.)
- ② The battery is almost half charged. (Only displayed for 3 seconds when the camera is turned on or the mode is changed.)
- ③ There is insufficient charge left in the battery. The battery will soon run out. Have a new battery ready.
- ④ The battery is depleted. The display will shortly go blank and the camera will stop working. Replace or recharge the battery.

"", "", or "" appears as a small icon on the right-hand side of the LCD monitor.

- ⚡ Depending on the camera mode used, the transition from "" to "" may occur more quickly.
- ⚡ Due to the nature of the battery, the battery level warning may appear early when the camera is used in cold locations. This is normal. Try warming the battery in your pocket or a similar location before use.

"" appears as a large icon on the LCD monitor.

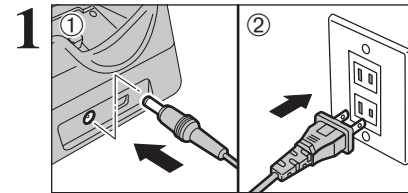
- ⚡ Battery with no remaining charge ("" blinking red) may cause camera faults such as the camera turning itself off without retracting the lens. Always load a new or fully charged battery.

### ◆ Power save function ◆

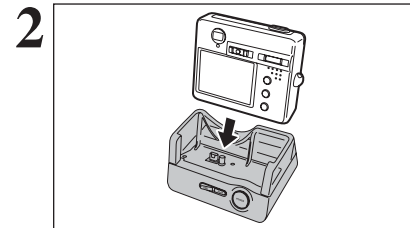
When this function is active, it also turns off the LCD monitor (sleep mode) to reduce power consumption if the camera is not used for 60 seconds (➔P.62). If the camera is then left unused for 2 or 5 minutes, the Power save function turns the camera off. To turn camera back on, slide the Power switch to turn the camera off briefly and then turn it back on.

## CHARGING THE BATTERY

### Charging battery with cradle

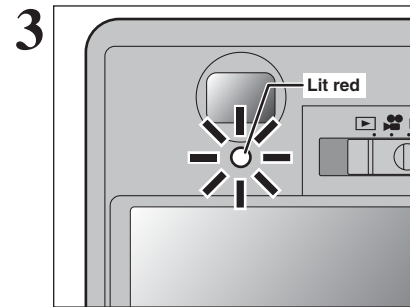


- ① Plug the AC power adapter connector into the "DC IN 5V" socket.
- ② Plug the AC power adapter into a power outlet.



Check that the camera is turned off. Set the camera into the cradle.

- ⚡ Plug the camera securely into the Cradle connection socket.

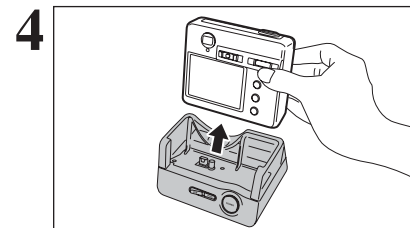


The viewfinder lamp lights red and battery charging begins. When charging is completed, the viewfinder lamp turns off.

#### ● Full recharging times for completely depleted battery

At an ambient temperature of +21°C to +25°C  
(+70°F to 77°F)  
NP-30: approx. 2 hours

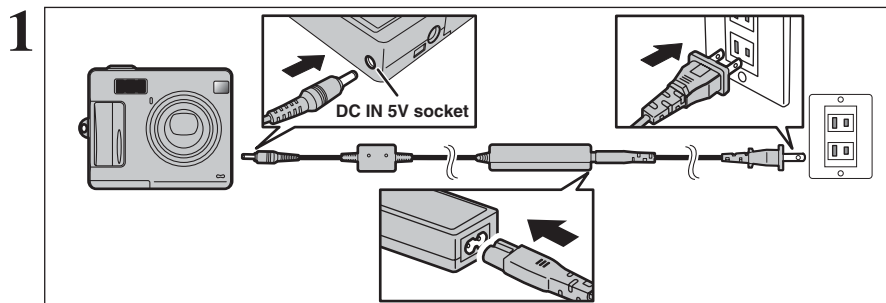
- ⚡ Charging times increase at low temperatures.
- ⚡ If the viewfinder lamp blinks during charging, a charging error has occurred and the battery cannot be charged. If this occurs, see P.93.
- ⚡ Turning the camera on during charging interrupts the charging.



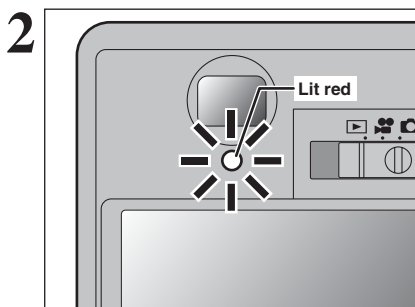
Remove the camera from the cradle.

## CHARGING THE BATTERY

### Charging battery without cradle



Check that the camera is turned 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 viewfinder lamp lights red and battery charging begins. When charging is completed, the viewfinder lamp turns off.

#### ● Full recharging times for completely depleted battery

At an ambient temperature of +21°C to +25°C  
(+70°F to +77°F)  
NP-30: approx. 2 hours

- ⚡ Charging times increase at low temperatures.
- ⚡ If the viewfinder lamp blinks during charging, a charging error has occurred and the battery cannot be charged. If this occurs, see P.93.
- ⚡ Turning the camera on during charging interrupts the charging.

#### ◆ Charging the battery ◆

When you try to charge the battery immediately after the camera has been used continuously for a long period (e.g. shooting a movie or connected to a PC), charging may not begin soon (the viewfinder lamp does not turn red).

This is not a fault, but is for protecting the battery from being charged while it is warm. Batteries may degrade when charged at high temperatures.

Leave the camera connected to the AC power adapter or set in its cradle, and charging will automatically begin within 20 minutes.

### Using the AC Power Adapter

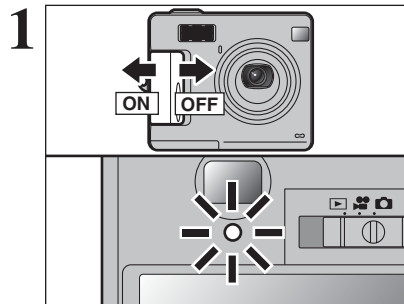
Use the AC power adapter to avoid losing power at inconvenient times, such as when downloading photographed images to the computer. You can take pictures and play back images without worrying about depleting the battery.

#### ● Compatible AC power adapters

AC-5VW (included)  
AC-5VH (sold separately)  
AC-5VHS (sold separately)

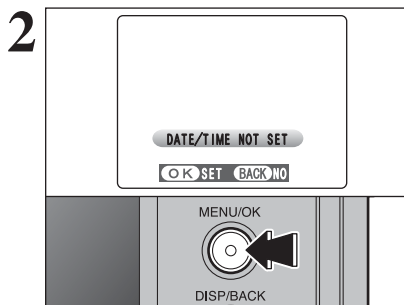
- ⚡ Always use the FUJIFILM products listed on the left.
- ⚡ See P.89 for notes on using the AC power adapter.
- ⚡ Only connect or disconnect the AC power adapter when the camera is off.  
Connecting or disconnecting the AC power adapter while the camera is on temporarily interrupts the power supply to the camera, so that images or movies being shot are not recorded. Failing to turn the camera off first can also result in damage to the **xD-Picture Card** or malfunctions during PC connection.
- ⚡ The socket-outlet shall be installed near the equipment and shall be easily accessible.
- ⚡ The shape of the plug and socket-outlet depends on the country of use.

## TURNING ON AND OFF / SETTING THE DATE AND TIME



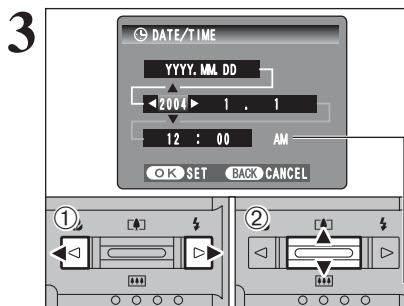
Slide the Power switch to turn the camera on and off. When turning the camera on, the viewfinder lamp lights green.

The lens moves when the camera is in "📷" mode. Take care not to obstruct the lens. Obstructing the lens will cause damage and "ZOOM ERROR" or "FOCUS ERROR" will appear. Take care also not to get fingerprints on the camera lens as this will result in impaired image quality in your shots.



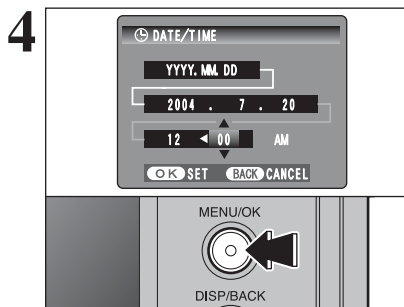
When using the camera for the first time after purchasing, the date and time are cleared. Press the "MENU/OK" button to set the date and time.

- ⚡ If the message (see figure at left) does not appear, refer to "Correcting the date and time" (⇒P.16) and check and correct the date and time settings.
- ⚡ The message also appears when the battery has been removed and the camera has been left for a long period.
- ⚡ To set the date and time later, press the "DISP/BACK" button.
- ⚡ If you do not set the date and time, this message will appear each time you turn the camera on.



- ① Press "◀" or "▶" to select Year, Month, Day, Hour or Minute.
- ② Press "▲" or "▼" to correct the setting.

- ⚡ Holding down "▲" or "▼" changes the numbers continuously.
- ⚡ When the time displayed passes "12:00", the AM/PM setting changes.

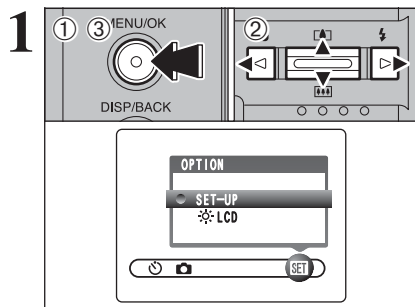


Once you have set the date and time, press the "MENU/OK" button. Pressing the "MENU/OK" button changes the camera to Photography or Playback mode.

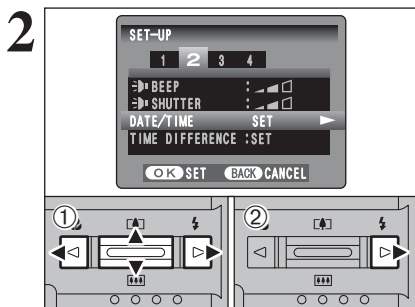
- ⚡ At the time of purchase and after leaving the camera for a long period with the battery removed, settings such as the date and time are cleared. Once the AC power adapter has been connected or the battery has been fitted for 2 hours or more, the camera settings will be retained for roughly 6 hours even if both sources of camera power are removed.



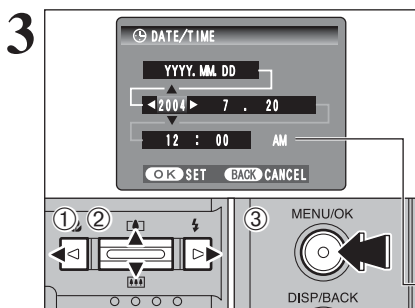
## CORRECTING THE DATE AND TIME / CHANGING THE DATE ORDER



- 1 Press the "MENU/OK" button to display the menu on the LCD monitor.
- 2 Press "◀" or "▶" to select "SET" OPTION and then press "▲" or "▼" to select "SET-UP".
- 3 Press the "MENU/OK" button.



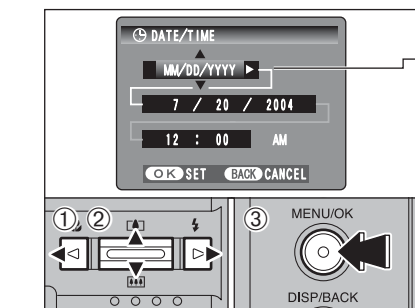
- 1 Press "◀" or "▶" to move to option 2 and then press "▲" or "▼" to select "DATE/TIME".
- 2 Press "▶".



### Correcting the date and time

- 1 Press "◀" or "▶" to select Year, Month, Day, Hour or Minute.
- 2 Press "▲" or "▼" to correct the setting.
- 3 Always press the "MENU/OK" button after the settings are completed.

- Holding down "▲" or "▼" changes the numbers continuously.
- When the time displayed passes "12:00", the AM/PM setting changes.

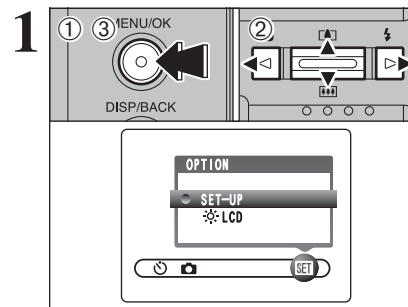


### Changing the date order

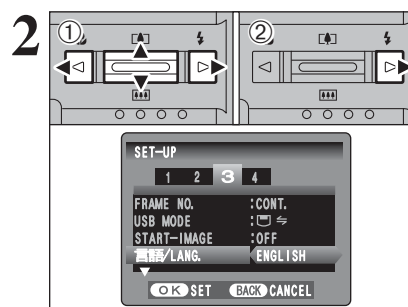
- 1 Press "◀" or "▶" to select the date order.
- 2 Press "▲" or "▼" to set the order. Refer to the table below for details of the settings.
- 3 Always press the "MENU/OK" button after the settings are completed.

Date order	Explanation
YYYY.MM.DD	Displays the date in the "year. month. day" format.
MM/DD/YYYY	Displays the date in the "month / day / year" format.
DD.MM.YYYY	Displays the date in the "day. month. year" format.

## SELECTING THE LANGUAGE



- 1 Press the "MENU/OK" button to display the menu on the LCD monitor.
- 2 Press "◀" or "▶" to select "SET" OPTION and then press "▲" or "▼" to select "SET-UP".
- 3 Press the "MENU/OK" button.



- 1 The "SET-UP" screen appears. Press "◀" or "▶" to move to option 3 and then press "▲" or "▼" to select "言語/LANG. ".
- 2 Press "▶" to select "ENGLISH", "FRANCAIS", "DEUTSCH", "ESPAÑOL", "中文" or "日本語". Press "▶" to cycle through the language settings.

- The screens in this manual are shown in English.
- See P.60 for more information on the "SET" OPTION menu.

This section describes the camera's functions.

● Changing modes

Slide the Mode switch to change modes.



- Photography mode:** Still image shooting.
- Movie mode:** Movie recording.
- Playback mode:** Photographed image playback.

● ◀▶ button

**Photography:** ◀ button  
Turns Macro ( ) on and off.  
▶ button  
Sets the flash ( ).

**Playback:** Change frame or movie frame advance.

● ▲ ( ) ▼ ( ) switch

**Photography:** ▲▼ switch  
Press " " to zoom in (telephoto).  
Press " " to zoom out (wide-angle).

**Playback:** ▲▼ switch (Panning frames (files))  
Press " " to enlarge the image.  
Press " " to revert to normal display.

● DISP/BACK button

**DISP:** Press this button to select the LCD monitor display.

**Photography:** Turns text display on and off, the LCD monitor off or displays the framing guides.

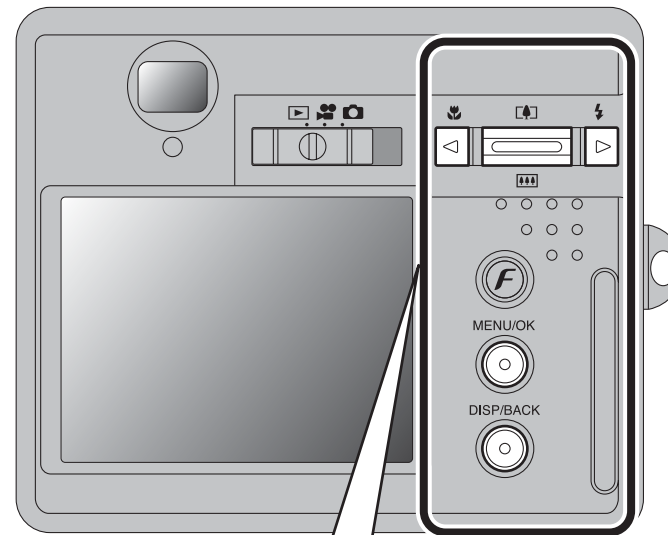
**Playback:** Turns text display on and off or selects multi-frame playback.

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

● Photo mode "F" button

**Photography:** Select the quality mode, sensitivity and FinePix COLOR settings.

**Playback:** Specify the print order (DPOF) settings.



● Using the Menu

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



② Select a menu option.  
Press the left or right arrow on the ◀▶ button.



③ Select a setting.  
Press the up or down arrow on the ▲▼ switch.



④ Confirm the setting.  
Press the "MENU/OK" button.

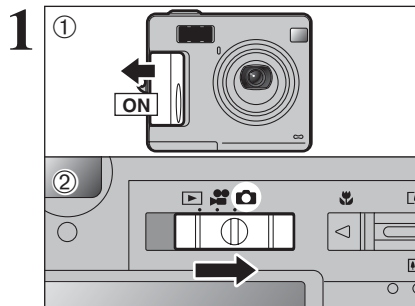


● DISP/BACK button

Press this button to stop a procedure midway through.

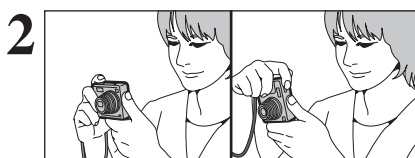


Up, down, left and right are indicated by black triangles in the Owner's Manual. Up or down is shown as "▲" or "▼", and left or right is shown as "◀" or "▶".



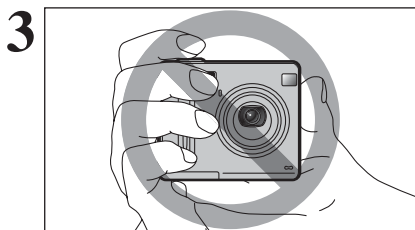
- ① Slide the Power switch sideways to turn the camera on.
  - ② Set the Mode switch to "CAMERA".
- **Focal range:** approx. 60 cm (2.0 ft.) to infinity

- ⚡ Use Macro mode for subjects closer than 60 cm (2.0 ft.) (⇒P.31).
- ⚡ When "CARD ERROR", "CARD NOT INITIALIZED", "CARD FULL" or "NO CARD" appears, see P.91.



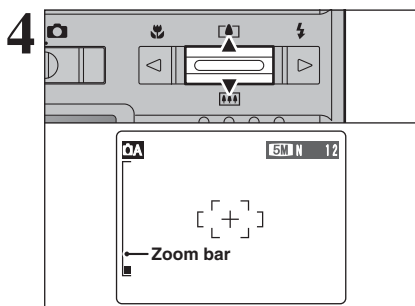
Brace your elbows against your sides and hold the camera with both hands. Position your right thumb so that it is handy for using the zoom.

- ⚡ Moving the camera while shooting gives a blurred picture (camera shake). Use a tripod to avoid camera shake, particularly for shots in the dark when the selected flash mode is Suppressed flash.
- ⚡ There may be some uneven brightness at the right edge of the LCD monitor. This is normal and does not affect the image.



Hold the camera so that your fingers or the strap do not cover the lens or flash. If the lens or flash is obscured, the brightness (exposure) of your shot may be incorrect.

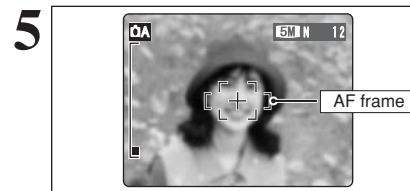
- ⚡ Check that the lens is clean. If it is dirty, clean the lens as informed on P.88.
- ⚡ If the flash is used in dusty conditions or when it is snowing, white dots may appear in the image due to flash reflecting off the dust particles or snowflakes. Use Suppressed flash mode.



Press Zoom switch "ZOOM IN" (▲) to zoom in. Press "ZOOM OUT" (▼) to zoom out. A zoom bar appears on the LCD monitor.

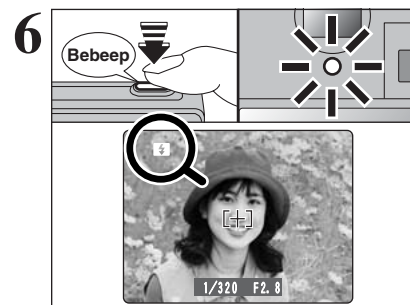
- **Optical zoom focal length**  
(35 mm camera equivalent)  
Approx. 38 mm-130 mm  
Max. zoom scale: 3.4x

- ⚡ Zooming pauses briefly when the camera changes between optical zoom and digital zoom (⇒P.25). Press the same Zoom switch again to change zoom modes.



Use the LCD monitor to frame the shot so that the subject fills the entire AF (Autofocus) frame.

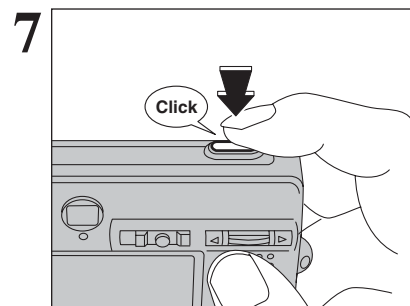
- ⚡ The image shown on the LCD monitor before the picture is taken may differ in brightness, color, etc. from the image actually recorded. Play back the recorded image to check it (⇒P.26).
- ⚡ The subject may sometimes be difficult to see clearly on the LCD monitor (in bright sunlight or dimly lit scenes, etc.). If so, use the viewfinder to take the picture.



Press the shutter button down halfway. When a short double-beep is heard, the camera focuses on your subject. The AF frame on the LCD monitor becomes smaller and the viewfinder lamp (green) changes from blinking to lit.

- ⚡ If the camera does not emit a short double-beep and "AF" appears on the LCD monitor, the camera cannot focus.
- ⚡ Pressing the shutter button down halfway freezes the image on the LCD monitor briefly. This image is not the recorded image.
- ⚡ If "AF" appears on the LCD monitor (e.g. the shot is too dark for the camera to focus), try standing about 2 m (6.6 ft.) from the subject to take the picture.
- ⚡ The flash fires several times (pre-flashes and the main flash).

Before the flash fires, "AF" appears on the LCD monitor.



Press the shutter button down fully. When a clicking noise is heard, the camera records the image.

- ⚡ There is a slight delay between the shutter button being pressed and the picture being taken. Play back the shot to check the image.
- ⚡ When pressing the shutter button down fully in one motion, the picture is taken without the AF frame changing.
- ⚡ When the camera takes the picture, the viewfinder lamp lights orange (shooting disabled). The viewfinder lamp then turns green and the next picture can be taken.
- ⚡ When taking a picture using the flash, the image may disappear and go dark as the flash charges. The viewfinder lamp then blinks orange.
- ⚡ See P.91, 92 for information on the warning displays.

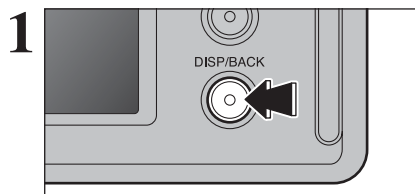
◆ **Subjects not suitable for autofocus** ◆

The FinePix F450 uses a high-precision autofocus mechanism. However, it may have difficulty focusing on the following:

- 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
- Dark subjects
- Fast moving subjects
- Subjects with little or no contrast between the subject and the background (such as white walls or subjects dressed in the same color as the background)
- Shots where another high-contrast object (not the subject) is close to the AF frame and is either closer or further away than your subject (such as a shot of someone against a background with strongly contrasting elements)

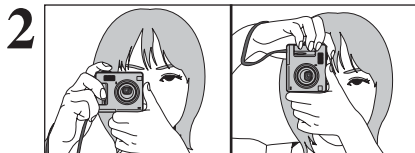
For such subjects use AF/AE lock (⇒P.24).

**USING VIEWFINDER**



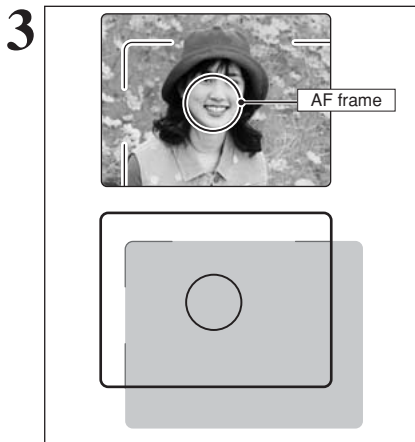
To take pictures using the viewfinder, press the "DISP/BACK" button to turn the LCD monitor off. Turning the LCD monitor off conserves battery power.

⚠ The viewfinder cannot be used to take shots in Macro mode.



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

⚠ Moving the camera while shooting gives a blurred picture (camera shake). Use a tripod to avoid camera shake, particularly for shots in the dark when the selected flash mode is Suppressed flash.



Frame the shot so that the subject fills the entire AF (Autofocus) frame. When a picture is taken at a distance of 0.6 m to 1.5 m (2.0 ft. to 4.9 ft.) using the viewfinder, only the shaded area in the figure is photographed.

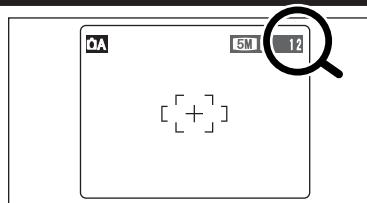
⚠ For more precise shot framing, use the LCD monitor to take the picture.

**VIEWFINDER LAMP DISPLAY**

Display	Status
Lit green	Ready to shoot
Blinking green	AF/AE is in progress, camera shake warning or AF warning (ready to shoot)
Blinking green and orange alternately	Recording to <b>xD-Picture Card</b> (ready to shoot)
Lit orange	Recording to <b>xD-Picture Card</b> (not ready)
Blinking orange	Charging the flash (flash will not fire)
Blinking green (1-second intervals)	Camera in Power save mode (⇒P.62)
Lit red	Battery charging is in progress
Blinking red	<ul style="list-style-type: none"> <li>• <b>xD-Picture Card Warnings</b> No card inserted, card not formatted, incorrect format, card full, <b>xD-Picture Card</b> error</li> <li>• Lens operation error</li> </ul>

\* Detailed warning messages appear on the LCD monitor (⇒P.91, 92).

**NUMBER OF AVAILABLE FRAMES**



The number of available frames appears on the LCD monitor.

⚠ See P.34 for information on changing the quality setting.  
⚠ The default quality "4" set at shipment is "5M N".

**Standard number of frames per xD-Picture Card**

The table below shows the standard number of frames for a new **xD-Picture Card** formatted on the camera. The larger the **xD-Picture Card** capacity, the bigger the difference between the actual number of frames and the number shown here. Also, the size of an image file varies depending on the subject. So the number of remaining shots may decrease by 2 or may remain the same. For this reason, the number displayed may not show the actual number of frames.

Quality setting	5M F	5M N	3M	2M	03M
Number of recorded pixels	2592 × 1944	2592 × 1944	2048 × 1536	1600 × 1200	640 × 480
DPC-16 (16 MB)	6	12	19	25	122
DPC-32 (32 MB)	12	25	40	50	247
DPC-64 (64 MB)	25	50	81	101	497
DPC-128 (128 MB)	51	102	162	204	997
DPC-256 (256 MB)	102	204	325	409	1997
DPC-512 (512 MB)	205	409	651	818	3993

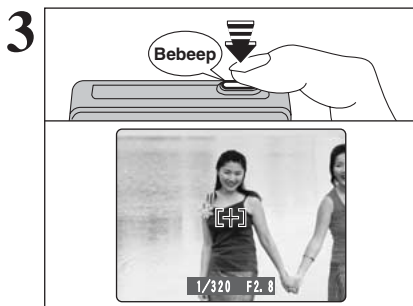
### USING AF/AE LOCK



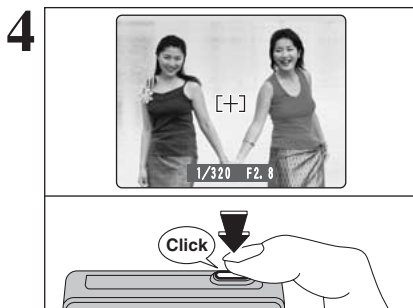
In this shot, the subjects (two people in this case) are not in the AF frame. Taking the picture at this point will result in the subjects being out of focus.



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



Press the shutter button down halfway (AF/AE lock). When a short double-beep is heard, the camera focuses on your subject. The AF frame on the LCD monitor becomes smaller and the viewfinder lamp (green) changes from blinking to lit.



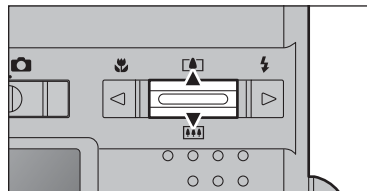
Continue to hold the shutter button down halfway. Move the camera back to the original image and press the shutter button fully.

- AF/AE lock can be applied repeatedly before the shutter is released.
- Use AF/AE lock in all Photography modes to make sure excellent results.

#### ◆ AF (Autofocus)/AE (Auto-exposure) lock ◆

On the FinePix F450, pressing the shutter button down half way locks the focus and exposure settings (AF/AE lock). To focus on a subject that is off to one side or to set the exposure before composing the final shot, lock the AF and AE settings. Then compose and take the picture to get the best results.

### USING THE ZOOM (OPTICAL ZOOM / DIGITAL ZOOM)

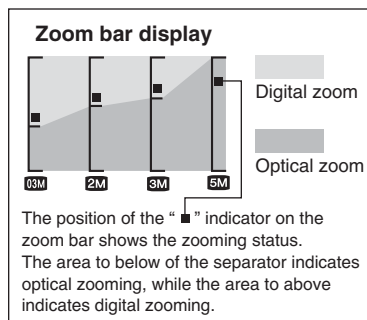


Press Zoom switch "[Z] (▲)" to zoom in. Press "[Z] (▼)" to zoom out.

The digital zoom can be used with the "3M", "2M" and "03M" quality settings.

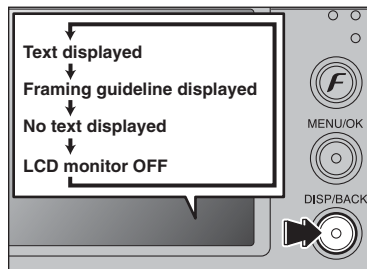
When zooming changes between optical and digital, the position of the "■" indicator stops. Press the same Zoom switch again to start the "■" indicator moving again.

- The digital zoom cannot be used with the "0M" quality setting.
- See P.34 for information on changing the quality setting.
- If the shot goes out of focus during zooming, hold the shutter button down halfway to refocus the shot.



- **Optical zoom focal length\***  
Approx. 38 mm-130 mm, max. zoom scale: 3.4×
  - **Digital zoom focal lengths\***
    - 3M: approx. 130 mm-164 mm, max. zoom scale: approx. 1.3×
    - 2M: approx. 130 mm-211 mm, max. zoom scale: approx. 1.6×
    - 03M: approx. 130 mm-527 mm, max. zoom scale: approx. 4.1×
- \* 35 mm camera equivalents

### BEST FRAMING



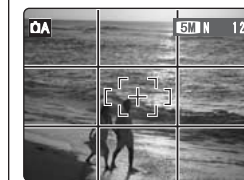
Select framing guideline function in Photography mode.

Pressing the "DISP/BACK" button changes the LCD monitor display. Press the "DISP/BACK" button until "Framing Guideline" appears.

#### ◆ Important ◆

Always use AF/AE lock when composing a shot. The image may be out of focus if AF/AE lock is not used.

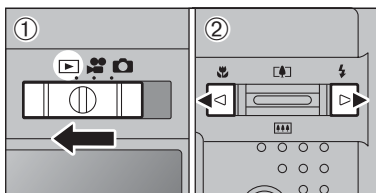
#### Scene



Position the main subject at the intersection of two lines in this frame or align one of the horizontal lines with the horizon. Use this frame as a guide to the subject's size and the balance of the shot while composing a shot.

- The framing guideline is not recorded on the image.
- The lines in the scene frame divide the image into 3 roughly equal parts horizontally and vertically. The resulting printed image may be shifted slightly from the scene frame.

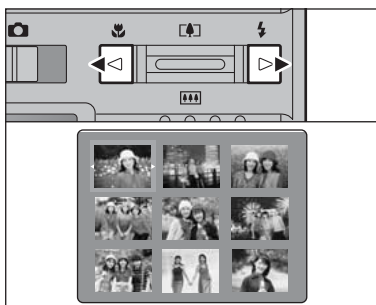
## PLAYBACK MODE VIEWING THE IMAGES (▶ PLAYBACK)



### Single-frame playback

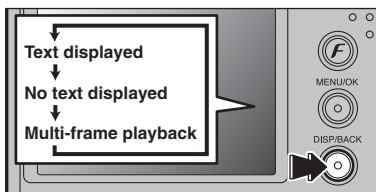
- Set the Mode switch to "P".
- Press "▶" to scan forward through the images. Press "◀" to scan backwards.

- Set the Mode switch to "E" to play back the last shot.
- When the lens is extended during playback, the lens retracts as a protective measure if the camera is not used for about 6 seconds.



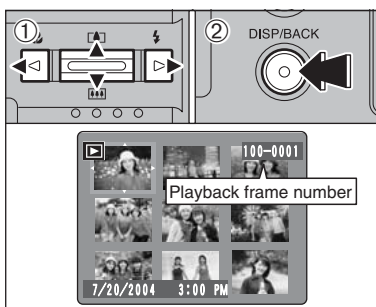
### Selecting images

To select images on the thumbnail lists screen, hold down "◀" or "▶" for 1 second during playback.



### Multi-frame playback

In Playback mode, press the "DISP/BACK" button to change the display shown on the LCD monitor. Press the "DISP/BACK" button until the multi-frame playback screen (9 frames) appears.

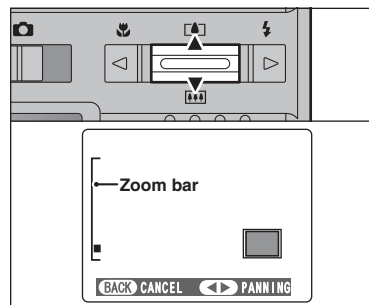


- Press "▲", "▼", "◀" or "▶" to move the cursor (orange frame) to the frame you want to select. Press "▲" or "▼" repeatedly to jump to the next page.
- Press the "DISP/BACK" button again to enlarge the image.

- The LCD monitor text display disappears after 3 seconds.

### ◆ Still images viewable on the FinePix F450 ◆

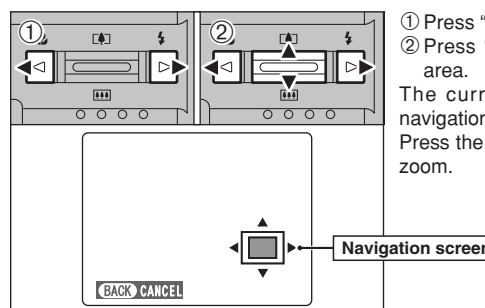
This camera will display still images recorded on the FinePix F450 or still images (excluding some uncompressed images) recorded on any FUJIFILM digital camera that supports xD-Picture Cards.



### Playback zoom

Press the "▲" or "▼" switch during single-frame playback to zoom (enlarge) the still image. A zoom bar appears. Press the "DISP/BACK" button to return to single-frame playback.

- Playback zoom cannot be used with multi-frame playback.

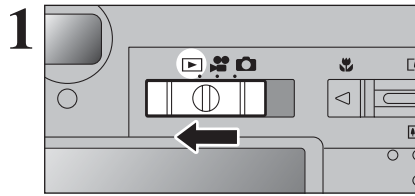


- Press "◀" or "▶" to select "PANNING".
- Press "▲", "▼", "◀", or "▶" to display another area. The current displayed image appears on the navigation screen. Press the "DISP/BACK" button to return to playback zoom.

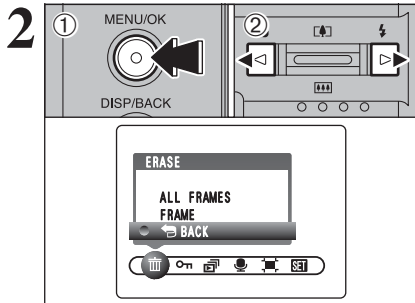
### ■ Zoom scales


Quality mode	Max. zoom scale
5M (2592 × 1944) pixels	Approx. 16.2×
3M (2048 × 1536) pixels	Approx. 12.8×
2M (1600 × 1200) pixels	Approx. 10×
3M (640 × 480) pixels	Approx. 4×

**PLAYBACK MODE ERASING IMAGES (  ERASE FRAME )**

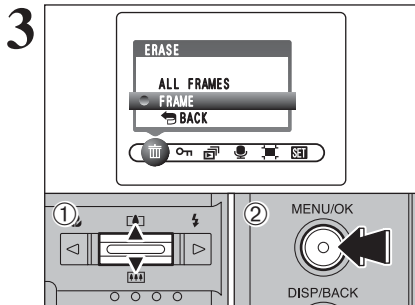


Set the Mode switch to "PLAY".





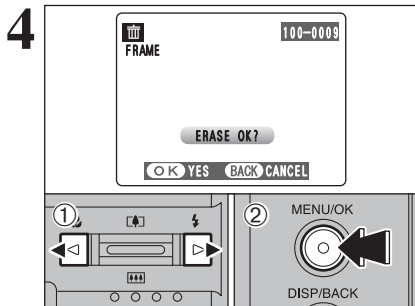
- ① Press the "MENU/OK" button during playback to display the menu on the LCD monitor.
- ② Press "◀" or "▶" to select "  ERASE.

Erased frames (files) cannot be recovered. Back up important frames (files) onto your PC or another media.




- ① Press "▲" or "▼" to select "FRAME".
  - ② Press the "MENU/OK" button to confirm the selection.
- See P.41 for information on "ALL FRAMES".

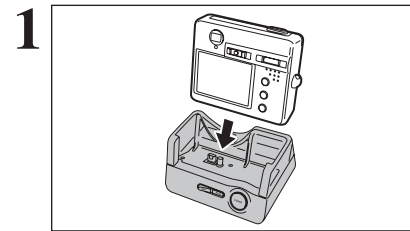
 To return to single-frame playback, press "▲" or "▼" to select "  BACK" and then press the "MENU/OK" button.



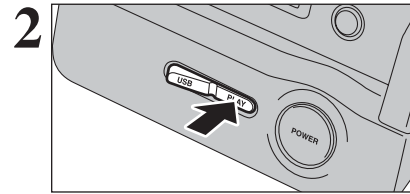
- ① Press "◀" or "▶" to select the frame (file) to be erased.
  - ② Press the "MENU/OK" button to erase the displayed frame (file).
- To erase another image, repeat steps ① and ②. When image erasing is completed, press the "DISP/BACK" button.

 Press the "MENU/OK" button repeatedly to erase consecutive image. Take care not to erase important images.

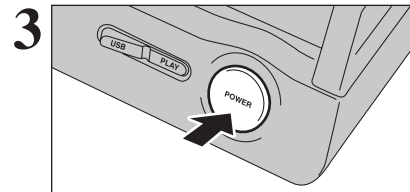
**PLAYBACK MODE VIEWING THE IMAGES (PLAYBACK USING THE CRADLE)**



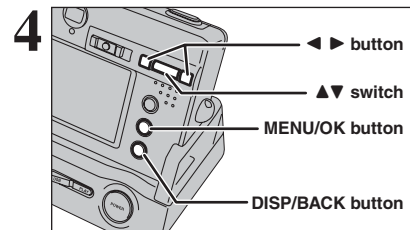
Set the camera into the cradle.



Set the "USB/PLAY" switch on the cradle to the "PLAY" position.



Press the "POWER" button on the cradle to turn the camera on in Playback mode.



Press "▲", "▼", "◀" or "▶", "MENU/OK" button or "DISP/BACK" button on the camera to play back images. See P.26, 27 for details.

Consider the scene you are photographing and the sort of image you want to achieve when you specify the camera settings. A general guide is given below.

## 1 Select the Shooting mode (⇒P.39).

- AUTO Specifies all settings other than Quality, Sensitivity and FinePix COLOR on the camera.
- MANUAL Sets the “EV” and “White balance” to manual to easily control yourself.
- PORTRAIT Uses for photography getting beautiful skin tones and soft overall tone.
- LANDSCAPE Uses for shooting scenery in daylight.
- SPORTS Uses for shooting sporting events.
- NIGHT Uses for shooting evening and night scenes.

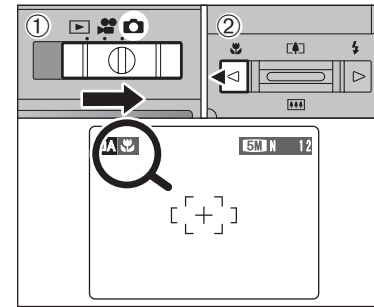
## 2 Specify the photography settings (⇒P.31-33, 38, 40).

- Macro Uses for close-up shots.
- Flash Uses for shots in dark locations or for backlit subjects, etc.
- Self-timer Uses in situations such as group shots where the photographer is included in the shot.
- EV (Exposure compensation) Uses the AE exposure as a reference value of 0, this function brightens (+) or darkens (–) the shot.
- White balance Uses to fix the white balance to suit the photography conditions and lighting.

## 3 Take the pictures (check the exposure and focus ⇒ adjust the shot composition ⇒ press the shutter button down fully).

### Photography mode specifications

			Default Setting						
	MACRO	P.31	OFF	YES	YES	NO	NO	NO	NO
	FLASH	Auto flash	P.32	YES	YES	YES	NO	YES	NO
		Red-eye reduction	P.32	YES	YES	YES	NO	NO	NO
		Forced flash	P.33	YES	YES	YES	NO	YES	NO
		Suppressed flash	P.33	YES	YES	YES	YES	YES	YES
		Slow synchro	P.33	NO	YES	YES	NO	NO	YES
		Red-eye reduction + Slow synchro	P.33	NO	YES	YES	NO	NO	YES
FinePix Photo mode	Quality	P.34	<b>5M N</b>	YES	YES	YES	YES	YES	YES
	ISO	P.35	AUTO	YES	YES	YES	YES	YES	YES
	FinePix COLOR	P.36	<b>F-STANDARD</b>	YES	YES	YES	YES	YES	YES
Menu	Self-timer	P.38	OFF	YES	YES	YES			
	EV (Exposure Compensation)	P.40	0	NO	YES	NO			
	White balance	P.40	AUTO	NO	YES	NO			



Select Macro mode to take close-up shots.

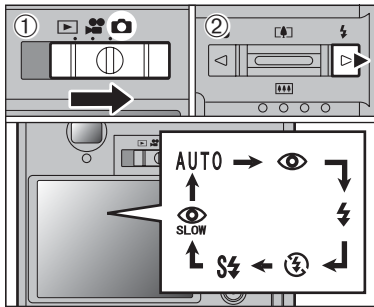
- ① Set the Mode switch to “”.
- ② Press the “ (◀)” Macro button. The “” appears on the LCD monitor indicating that you can take close-up shots.  
To cancel Macro mode, press the “ (◀)” Macro button again.

- **Focal range**  
Wide-angle: Approx. 9 cm to 80 cm (3.5 in. to 2.6 ft.)  
Telephoto : Approx. 39 cm to 80 cm (1.3 ft. to 2.6 ft.)
- **Effective flash range**  
Approx. 30 cm to 80 cm (1.0 ft. to 2.6 ft.)
- **Optical zoom focal length\***  
Approx. 38 mm-130 mm, max. zoom scale: 3.4x
- **Digital zoom focal lengths\***  
**5M**: approx. 130 mm-164 mm, max. zoom scale: approx. 1.3x  
**2M**: approx. 130 mm-211 mm, max. zoom scale: approx. 1.6x  
**0.8M**: approx. 130 mm-527 mm, max. zoom scale: approx. 4.1x  
\* 35 mm camera equivalents

When using 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. Use the LCD monitor to take pictures in Macro mode.

- Any of the following cancels Macro mode:
  - Changing the Mode switch setting
  - Turning the camera off
- Select the appropriate flash mode for the conditions.
- Use a tripod to avoid camera shake when shooting in the dark (when “” appears).
- Once the LCD monitor is turned on it cannot be turned off in this mode.
- When canceling Macro mode, the LCD monitor remains on.





Choose from 6 flash modes according to the type of shot.

- ① Set the Mode switch to "CAMERA".
- ② The flash setting changes each time you press the "⚡ (▶)" Flash button. The last flash mode shown is the mode selected.

● **Effective flash range (for AUTO)**

Wide-angle: Approx. 0.6 m to 3.6 m  
(2.0 ft. to 12.0 ft.)  
Telephoto : Approx. 0.6 m to 2.0 m  
(2.0 ft. to 6.6 ft.)

- ⚠ If the flash is used in dusty conditions or when it is snowing, white dots may appear in the image due to flash reflecting off dust particles or snowflakes. Use Suppressed flash mode.
- ⚠ The flash charging time may increase when the battery is low on charge.
- ⚠ When taking a picture using the flash, the image may disappear and go dark as the flash charges. The viewfinder lamp then blinks orange.
- ⚠ The available flash modes are limited depending on the Photography menu selected (⇒P.30).
- ⚠ The flash fires several times (pre-flashes and the main flash).

Press the shutter button down halfway. "⚡" appears on the LCD monitor when the flash is used.



**Auto flash mode (no icon)**

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

- ⚠ If pressing the shutter button while the flash is charging, the picture will be taken without the flash.



**Red-eye reduction**

Use this mode to make sure that the subject's eyes appear normal when taking pictures of 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. The flash fires as required by the shooting conditions.

- ⚠ If pressing the shutter button while the flash is charging, the picture will be taken without the flash.

◆ **Red-eye effect** ◆

When using the flash to take a picture of 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 minimize the likelihood of this 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.



**Forced flash**

Use this mode in backlit scenes, such as a subject against a window or in the shade of a tree, or to get the correct colors when taking a picture under bright lighting. In this mode, the flash fires in bright as well as dark conditions.



**Suppressed flash**

Use this mode for taking pictures using indoor lighting, for shots taken through glass, and for photography in places 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 selected white balance function (⇒P.40) operates so that natural colors are captured along with the ambience of the available light.

- ⚠ Use a tripod to avoid camera shake, particularly for shots in the dark when the selected flash mode is Suppressed flash.
- ⚠ See P.22, 91 for information on the camera shake warning.



**Slow synchro**

This is a flash mode that uses a slow shutter speed. This allows you to take pictures of people at night that clearly show both your subjects and the night time backdrop. To avoid camera shake, always use a tripod.

● **Slowest shutter speed**

🌃 NIGHT: up to 2 sec.

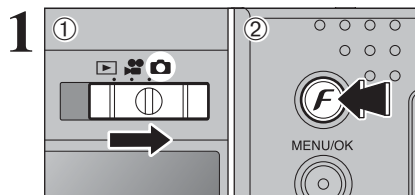
**Red-eye reduction + Slow synchro**

Use this mode for Slow synchro shots with Red-eye reduction.

- ⚠ The image may be overexposed when shooting bright scenes.

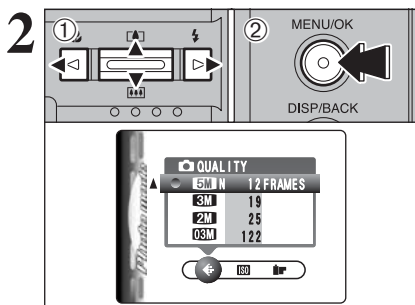
To take a picture of a main subject at night with the background brightly lit, use the "🌃" (NIGHT) setting in Shooting mode (⇒P.39).

## QUALITY MODE (NUMBER OF RECORDED PIXELS)



- ① Set the Mode switch to "F".
- ② Press the "F" button.

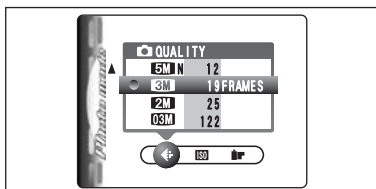
The quality setting is retained even when the camera is off or the Mode switch setting is changed.



- ① Press "◀" or "▶" to select the "F" quality setting and then press "▲" or "▼" to change the setting.
- ② Press the "MENU/OK" button to confirm the setting.

- The numbers to the right of each setting show the number of available frames.
- When changing the quality setting, the number of available frames also changes (⇒P.23).

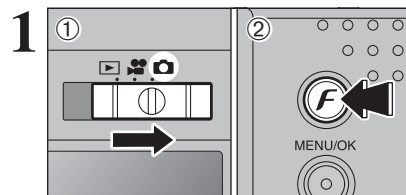
### Quality settings in Photography mode



Choose from 5 settings. Using the table below as a guide, select the setting that best suits your aims.

Quality mode	Sample Uses
5M F (2592 × 1944)	Printing at up to 8R (20.3 × 25.4 cm) /A5 size
5M N (2592 × 1944)	For better quality, select "5MF"
3M 3M (2048 × 1536)	Printing at up to 6R (15.2 × 20.3 cm) /A5 size
2M 2M (1600 × 1200)	Printing at up to 4R (10.2 × 15.2 cm) /A6 size
0.3M 0.3M (640 × 480)	To use for e-mail or web site

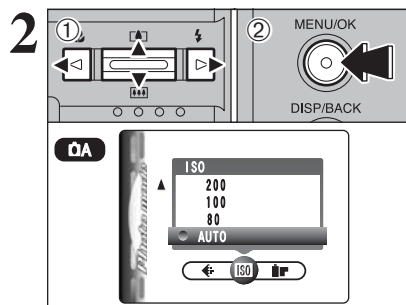
## ISO SENSITIVITY



- ① Set the Mode switch to "F".
- ② Press the "F" button.

In "Movie" mode, do not set the "ISO" (sensitivity) setting.

Sensitivity is retained even when the camera is off or the Mode switch setting is changed.



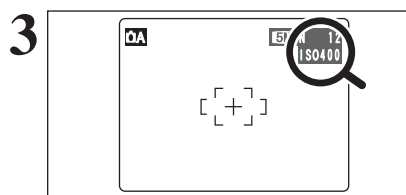
- ① Press "◀" or "▶" to select the "ISO" setting and then press "▲" or "▼" to change the setting.
- ② Press the "MENU/OK" button to confirm the setting.

### Settings

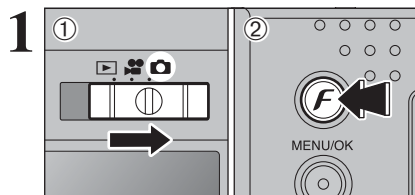
- **QA: AUTO** (Equivalent to ISO 80-400, depending on conditions) / 80 / 100 / 200 / 400
- **ISO**, **▲**, **▼**, **☾**: 80 / 100 / 200 / 400

Although higher sensitivity settings will allow you to take pictures in darker locations, they 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.

Selecting AUTO as the sensitivity setting, the camera selects the best sensitivity setting for the subject's brightness. The AUTO sensitivity setting can be selected in the "QA" Shooting modes.



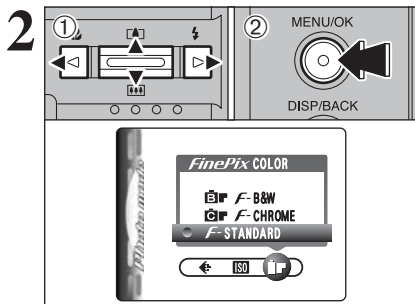
When the sensitivity is set to "80", "100", "200" or "400", the selected sensitivity setting appears on the LCD monitor.



- 1 Set the Mode switch to "F".
- 2 Press the "F" button.

⚠ In "Movie" mode, do not set the "F" FinePix COLOR setting.

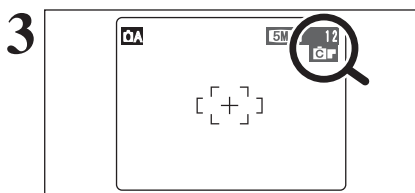
The FinePix COLOR setting is retained even when the camera is off or the Mode switch setting is changed.



- 1 Press "◀" or "▶" to select the "F" FinePix COLOR setting and then press "▲" or "▼" to change the setting.
- 2 Press the "MENU/OK" button to confirm the setting.

⚠ **F-CHROME** may have little visible effect with some subjects, such as close-up shots of people (portraits).  
 ⚠ Because the effects on the image differ depending on the scene being shot in **F-CHROME** mode, take pictures in standard mode as well as this mode. Note that you may not be able to see any difference on the LCD monitor.  
 ⚠ For shots taken in **F-CHROME** mode or **F-B&W** mode, automatic quality adjustment will be suppressed on Exif Print compliant printers.

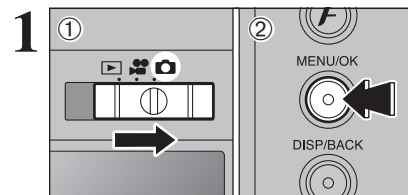
<b>F-STANDARD</b>	The contrast and color saturation are set to standard. Use this mode for normal photography.
<b>F-CHROME</b>	The contrast and color saturation are set to high. This feature is effective for taking more vivid shots of subjects such as scenery (blue sky and greenery) and flowers.
<b>F-B&amp;W</b>	This setting converts the colors in the photographed image to black and white.



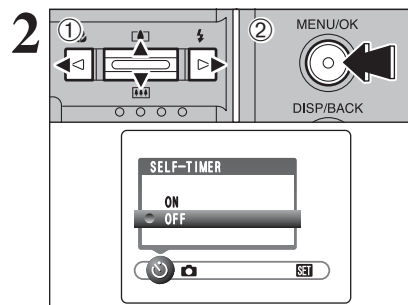
When setting **F-CHROME** or **F-B&W**, the icon appears on the LCD monitor.

**F-CHROME:**

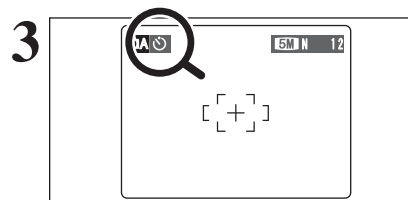
**F-B&W:**



- 1 Set the Mode switch to "F".
- 2 Press the "MENU/OK" button to display the menu on the LCD monitor.



- 1 Press "◀" or "▶" to select the menu item and "▲" or "▼" to change the setting.
- 2 Press the "MENU/OK" button to confirm the setting.



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

⚠ The settings available in the menu screen vary depending on the Photography mode.

**Self-timer** →P.38

Use this setting for taking pictures such as group shots where the photographer is included in the shot.

**EV** →P.40

Set when the correct exposure cannot be obtained.

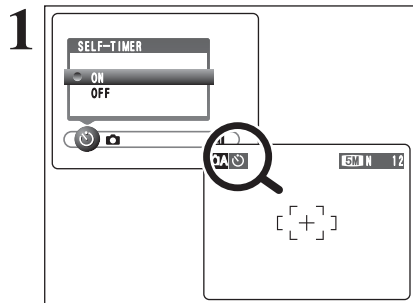
**Shooting mode** →P.39

Specify "A" AUTO, "M" MANUAL, "P" PORTRAIT, "L" LANDSCAPE, "S" SPORTS or "N" NIGHT.

**White balance** →P.40

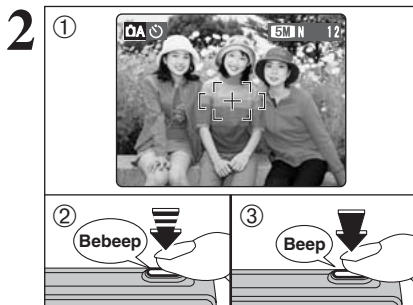
Change this setting to take a picture with the white balance fixed for the surroundings and lighting.

🕒 SELF-TIMER PHOTOGRAPHY



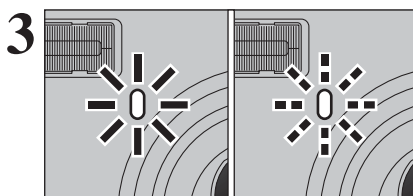
The self-timer is used in situations where the photographer is included in the shot. When setting the self-timer to "ON", "🕒" appears on the LCD monitor. In this mode, a timer runs for roughly 10 seconds before the shutter is released.

- Any of the following cancels self-timer setting:
  - Completing the shooting
  - Changing the Mode switch setting
  - Setting the camera to Playback mode
  - Turning the camera off



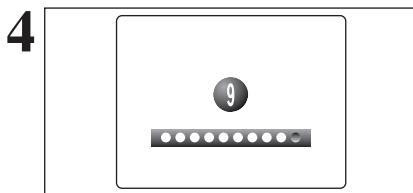
- Position the AF frame over the subject.
- Press the shutter button down halfway to focus on the subject.
- Without releasing the shutter button, press the button all the way down (fully pressed) to start the self-timer.

- The AF/AE lock can be also used (⇒P.24).
- Take care not to stand in front of the lens when pressing the shutter button as this can prevent the correct focus or brightness (exposure) from being achieved.



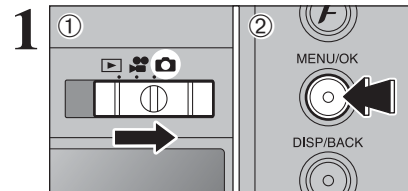
The self-timer lamp lights steadily for roughly 5 seconds and then blinks for another 5 seconds, and then the picture is taken.

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

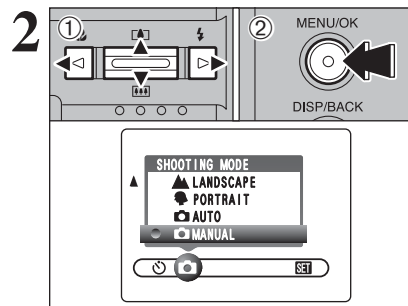


A countdown appears on the LCD monitor indicating the time remaining until the picture is taken. Self-timer mode is cancelled after each shot.

📷 SHOOTING MODE



- Set the Mode switch to "📷".
- Press the "MENU/OK" button to display the menu on the LCD monitor.



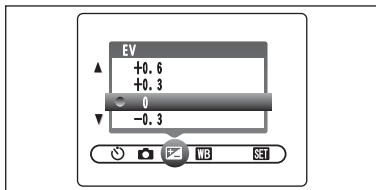
- Press "◀" or "▶" to select "📷" SHOOTING MODE and "▲" or "▼" to change the setting.
- Press the "MENU/OK" button to confirm the setting.

Shooting mode	Explanation	Available flash modes
📷 MANUAL	This is the mode for specifying "EV" (exposure compensation) (⇒P.40) and white balance (⇒P.40) settings.	AUTO / 📷 / ⚡ / 🕒 / S⚡ / 📷
📷 AUTO	This is the easiest mode for taking pictures and can be used in a wide range of conditions.	AUTO / 📷 / ⚡ / 🕒
👤 PORTRAIT	This is the best mode for shooting portraits. Skin tones are shown beautifully and the overall tone is soft.	AUTO / 📷 / ⚡ / 🕒 / S⚡ / 📷
▲ LANDSCAPE	This is the best mode for shooting scenery in daylight and provides crisp, clear shots of scenery such as buildings and mountains.	Flash not available
🏃 SPORTS	This is the best mode for shooting sporting events. This mode gives priority to faster shutter speeds.	AUTO / ⚡ / 🕒
🌙 NIGHT	This is the best mode for evening and night scenes. This mode allows you to take shots where priority is given to slow shutter speeds of up to 2 seconds. To prevent camera shake, always use a tripod.	S⚡ / 📷 / 🕒

\* "👤", "▲", "🏃" and "🌙" can not be selected in Macro mode.

\* Displaying the menus (→P.37)  
 \* Selecting the SHOOTING MODE (→P.39)

### EV (EXPOSURE COMPENSATION)



Select EV in the “**Ⓜ**” Shooting mode. Use this function when it is important to get the correct brightness (exposure), such as shots with extremely high contrast between the subject and the background.

- **Compensation range**  
 –2.1 EV to +1.5 EV (13 steps in 0.3 EV increments)  
 See P.97 for more information on EV.

- ⚠ Exposure compensation 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

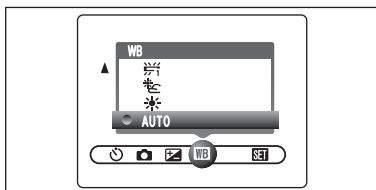
#### ◆ To obtain the optimum brightness ◆

Adjust the exposure compensation according to the level of brightness or darkness in the image.

- When the subject appears too bright  
 Try a negative (–) compensation setting.  
 This will make the overall image darker.
- When the subject appears too dark  
 Try a positive (+) compensation setting.  
 This will make the overall image brighter.

- Guide to compensation
  - 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
  - Spotlight subjects, particularly against dark backgrounds: –0.6 EV
  - Scenes with low reflectivity, such as shots of pine trees or dark foliage: –0.6 EV

### WB WHITE BALANCE (SELECTING THE LIGHT SOURCE)



Select white balance in the “**Ⓜ**” Shooting mode. Change the white balance setting to take a picture with the white balance fixed for the surroundings and lighting.

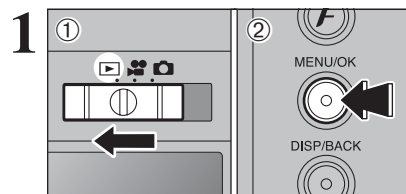
In AUTO mode, the correct white balance may not be achieved for subjects such as close-ups of people’s faces and pictures taken under a special light source. Select the correct white balance for the light source. See P.97 for more information on the white balance.

- ⚠ The color tones may vary depending on the shooting conditions (light source, etc.).

- AUTO: Automatic adjustment (shooting to show the ambience of the light source)
- ☀: Shooting outdoors in good weather
- ☁: Shooting in shade

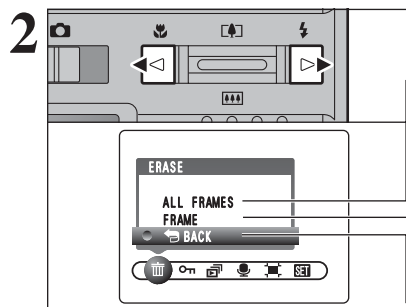
- ☀: Shooting under “Daylight” fluorescent lamps
- ☀: Shooting under “Warm White” fluorescent lamps
- ☀: Shooting under “Cool White” fluorescent lamps
- ☀: Shooting in incandescent light

\* When the flash fires, the white balance setting for the flash is used. Consequently, to achieve a particular effect, the flash mode should be set to Suppressed flash (→P.33).



- ① Set the Mode switch to “**▶**”.
- ② Press the “MENU/OK” button to display the menu on the LCD monitor.

Erased frames (files) cannot be recovered. Back up important frames (files) onto your PC or another media.



Press “◀” or “▶” to select “**Ⓜ**” ERASE.

#### ALL FRAMES

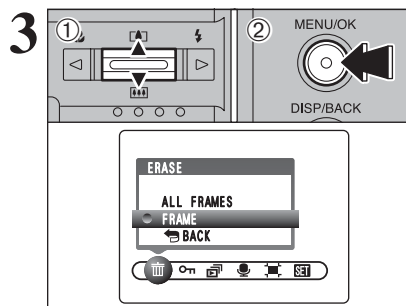
Erases all unprotected frames (files). Back up important frames (files) onto your PC or another media.

#### FRAME

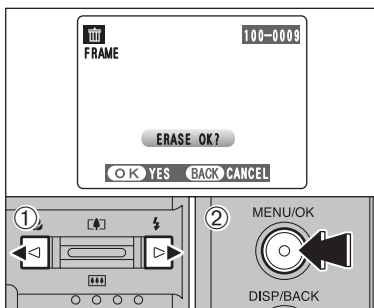
Erases only the selected frame (file).

#### BACK

Returns to playback without erasing any frames (files).



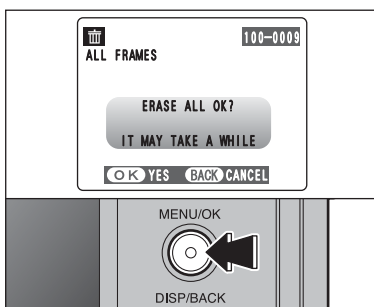
- ① Press “▲” or “▼” to select “ALL FRAMES” or “FRAME”.
- ② Press the “MENU/OK” button.



**FRAME**

- 1 Press “◀” or “▶” to select the frame (file) to be erased.
- 2 Press the “MENU/OK” button to erase the currently displayed frame (file).  
To erase another frame (file), repeat steps ① and ②. When you have finished erasing frames (files), press the “DISP/BACK” button.

- ⚠ Pressing the “MENU/OK” button repeatedly erases consecutive frames (files). Take care not to erase a frame (file) by mistake.
- ⚠ Protected frames (files) cannot be erased. Unprotect the frames (files) before erasing them (⇒P.43).



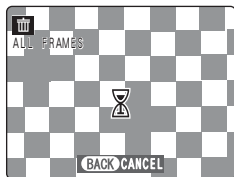
**ALL FRAMES**

Pressing the “MENU/OK” button erases all the frames (files).

- ⚠ Protected frames (files) cannot be erased. Unprotect the frames (files) before erasing them (⇒P.43).

If “DPOF SPECIFIED. ERASE OK?” or “DPOF SPECIFIED. ERASE ALL OK?” appears, press the “MENU/OK” button again to erase the frames (files).

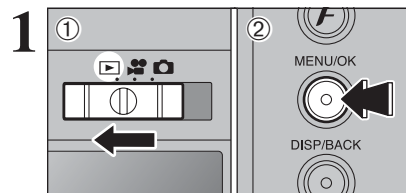
◆ **To stop the procedure midway** ◆



Press the “DISP/BACK” button to cancel erasing of all the frames (files). Some unprotected frames (files) will be left unerased.

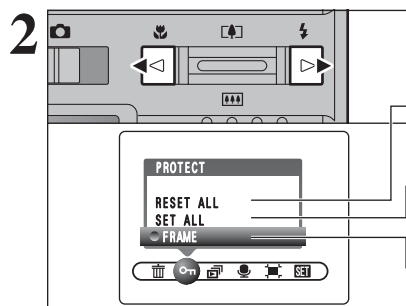
- ⚠ Even if you stop the procedure immediately, some frames (files) will be erased.

**PROTECTING IMAGES: FRAME / SET ALL / RESET ALL**



- 1 Set the Mode switch to “▶”.
- 2 Press the “MENU/OK” button to display the menu on the LCD monitor.

Protection is a setting that prevents frames (files) from being accidentally erased. However, the “FORMAT” function erases all the frames (files), including protected frames (files) (⇒P.62).



Press “◀” or “▶” to select “On” PROTECT.

**RESET ALL**

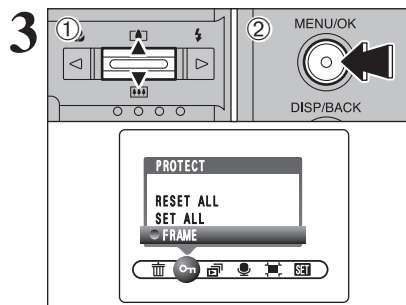
Removes the protection from all the frames (files).

**SET ALL**

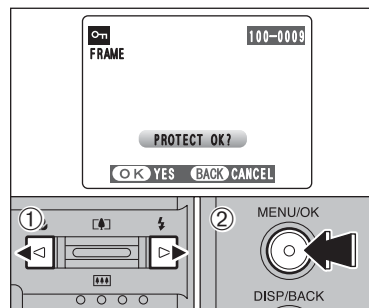
Protects all the frames (files).

**FRAME**

Protects or unprotects only the selected frame (file).

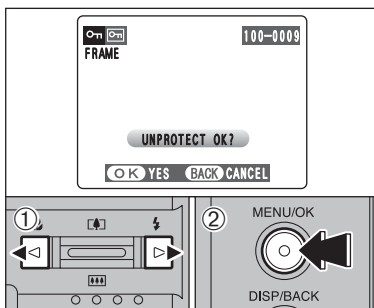


- 1 Press “▲” or “▼” to select “FRAME”, “SET ALL” or “RESET ALL”.
- 2 Press “MENU/OK” button to confirm your selection.



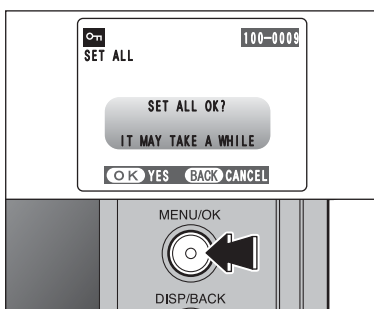
**FRAME SET**

- 1 Press “◀” or “▶” to select the frame (file) to be protected.
- 2 Press the “MENU/OK” button to protect the frame (file) currently displayed.  
To protect another frame (file), repeat steps ① and ②. To finish protecting frames (files), press the “DISP/BACK” button.



**FRAME RESET**

- 1 Press “◀” or “▶” to select the protected frame (file).
- 2 Press the “MENU/OK” button to unprotect the displayed frame (file).



**SET ALL**

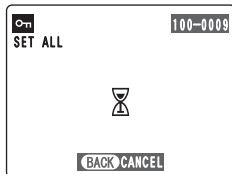
Press the “MENU/OK” button to protect all the frames (files).



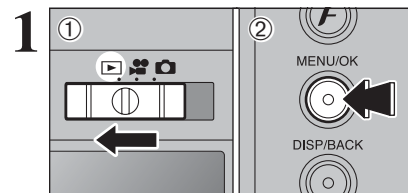
**RESET ALL**

Press the “MENU/OK” button to unprotect all the frames (files).

◆ **To stop the procedure midway** ◆

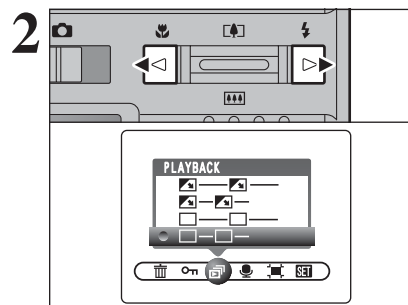


If the images are very large, protecting or unprotecting all the frames (files) may take some time.  
If you want to take a picture or record a movie during the procedure, press the “DISP/BACK” button. To return to protecting or unprotecting all the frames (files), start the procedure on P.43 from step 1.

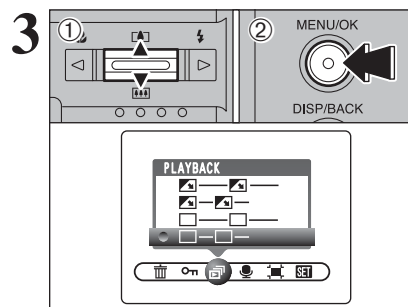


- 1 Set the Mode switch to “▶”.
- 2 Press the “MENU/OK” button to display the menu on the LCD monitor.

- The Power save function does not operate during playback.
- Movie starts automatically. When the preview movie or movie ends, playback moves on to the next frame.

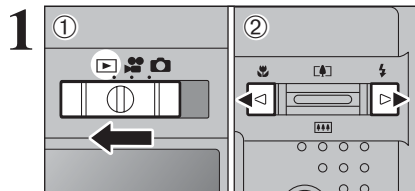


Press “◀” or “▶” to select “▶” PLAYBACK.



- 1 Press “▲” or “▼” to select the playback interval and the type of image transition.
- 2 Press the “MENU/OK” button. The image frames are advanced and played back. To interrupt PLAYBACK, press “▲” (or “MENU/OK” button).

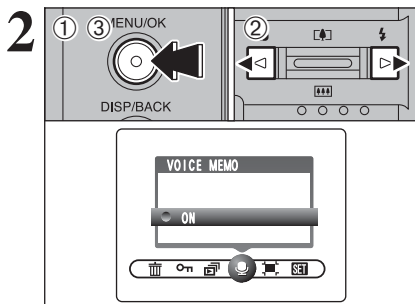
- Press the “DISP/BACK” button once during playback to display the playback frame number on the LCD monitor.



Voice memos can be added to still images.

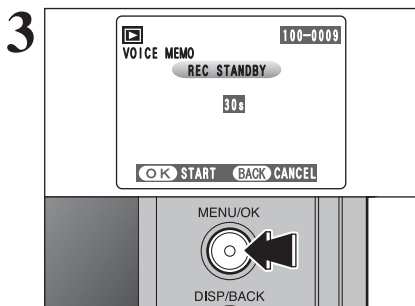
- **Audio recording format:** WAVE (→P.97)  
PCM recording format
- **Audio file size:** approx. 480 KB  
(for a 30-second voice memo)

- ① Set the Mode switch to "P".
- ② Press "◀" or "▶" to select the image (still image) to add a voice memo.

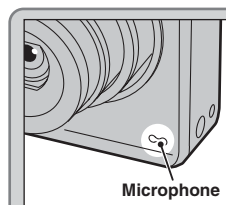


- ① Press the "MENU/OK" button to display the menu on the LCD monitor.
- ② Press "◀" or "▶" to select "VOICE MEMO".
- ③ Press the "MENU/OK" button.

- ⚠ Voice memos cannot be added to movies.
- ⚠ When "PROTECTED FRAME" appears, unprotect the frame.

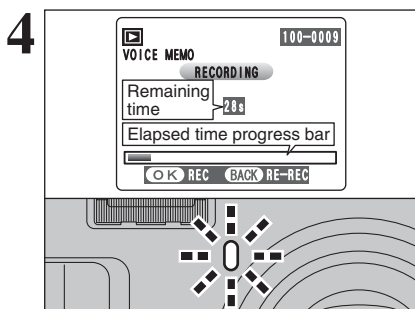


"REC STANDBY" appears on the LCD monitor.  
Press the "MENU/OK" button to begin recording.



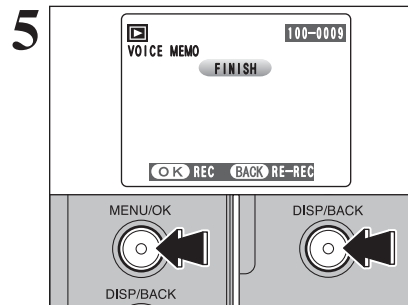
Face the microphone on the front of the camera to record your comment. Hold the camera about 20 cm (7.9 in.) away for the best results.

Microphone



The remaining recording time appears during recording and the self-timer lamp blinks. When the time remaining reaches 5 seconds, the self-timer lamp starts blinking quickly.

- ⚠ To end your comment during recording, press the "MENU/OK" button.

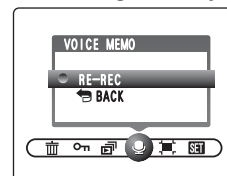


After 30 seconds of recording, "FINISH" appears on the LCD monitor.

**To finish:** Press the "MENU/OK" button.

**To re-record your comment:**  
Press the "DISP/BACK" button.

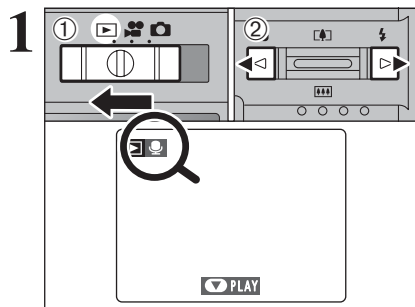
#### ◆ When the image already has a voice memo ◆



If you select an image that already has a voice memo, a screen appears in which you can select whether to re-record the memo.

- ⚠ When "PROTECTED FRAME" appears, unprotect the frame.

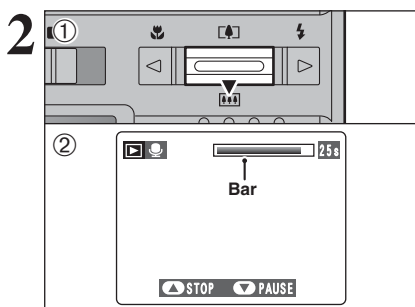




- 1 Set the Mode switch to "M".
- 2 Press "◀" or "▶" to select an image file that has a voice memo.

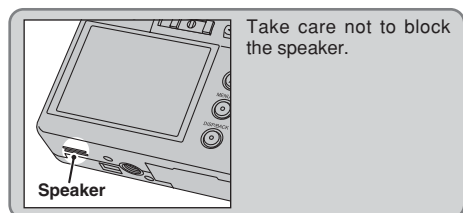
Voice memos can not be played back using multi-frame playback. Press the "DISP/BACK" button to select single-frame playback.

Indicated by the "M" icon.



- 1 Press "▶" to play the voice memo.
- 2 The playback time appears on the LCD monitor along with a progress bar.

When the sound is difficult to hear, adjust the volume (P.59).

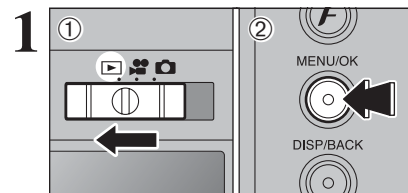


**Playing back voice memos**

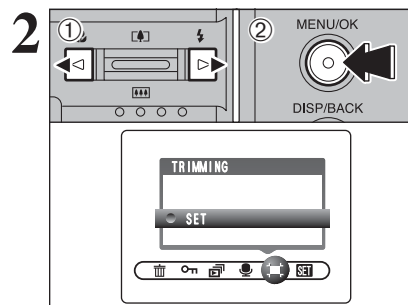
	Control	Description
Playback		The voice memo stops when playback ends.
Pause/Resume		Pauses the voice memo during playback. Press "▶" again to resume playback.
Stop		Stops playback. * Press "◀" or "▶" while voice memo playback is stopped to go back to the previous file or advance to the next file respectively.
Fast forward/Rewind		Press "◀" or "▶" during playback to skip forwards or backwards through the voice memo. * These buttons do not function while playback is paused.

**Compatible voice memo files**

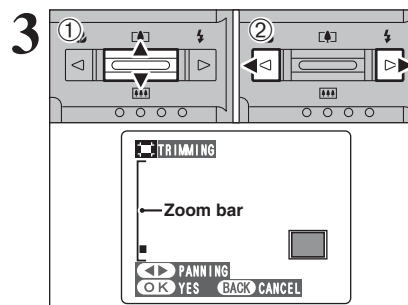
You can use your FinePix F450 to playback voice memos recorded on this camera or voice memos up to 30 seconds long recorded onto a **xD-Picture Card** using a FUJIFILM digital camera.



- 1 Set the Mode switch to "M".
- 2 Press the "MENU/OK" button to display the menu on the LCD monitor.



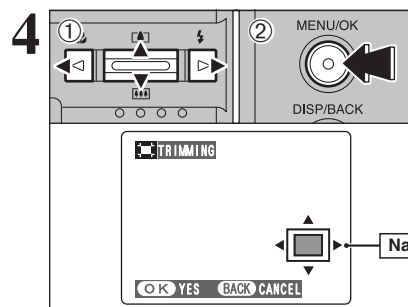
- 1 Press "◀" or "▶" to select "TRIMMING".
- 2 Press the "MENU/OK" button.



- 1 Press Zoom switch "▲" to zoom in. Press "▼" to zoom out on a still image. A zoom bar appears on the LCD monitor.
- 2 Press "◀" or "▶" to move to another part of the image.

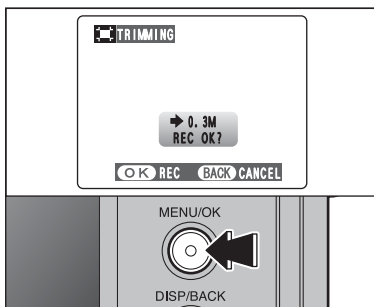
Press the "DISP/BACK" button to return to single-frame playback.

Saved image size varies depending on the zoom scale. Up to 3M can be saved.



- 1 Press "▲", "▼", "◀" or "▶" to display another area. The current displayed image appears on the navigation screen.
- 2 Press the "MENU/OK" button to save the image.

5



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

#### ■ Image Sizes

<b>3M</b>	Printing at up to 6R (15.2 × 20.3 cm) /A5 size
<b>2M</b>	Printing at up to 4R (10.2 × 15.2 cm) /A6 size
<b>03M</b>	To use for e-mail or web site



DPOF stands for Digital Print Order Format and refers to a format that is used for recording printing specifications for images shot using a digital camera on media such as an **xD-Picture Card**. The recorded specifications include information on which frames are to be printed.

This section gives a detailed description of how to order your prints with the FinePix F450. On the FinePix F450, you can specify only one print per image in the DPOF settings.

- \* 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.

DPOF SPECIFIED. ERASE OK ?

DPOF SPECIFIED. ERASE ALL OK ? (⇒P.42)

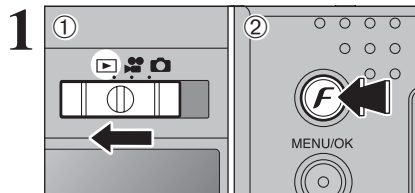
When erasing the image, the DPOF setting for that image is deleted at the same time.

RESET DPOF OK ? (⇒P.52)

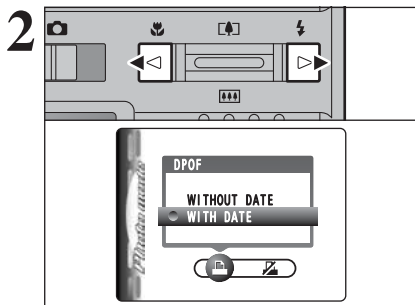
When inserting an **xD-Picture Card** that contains images specified for printing by another camera, those print specifications are all reset and replaced by the new print specifications.

DPOF FILE ERROR (⇒P.92)

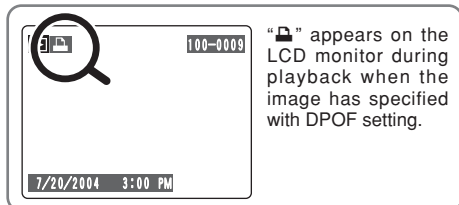
Up to 999 images can be specified on the same **xD-Picture Card**.



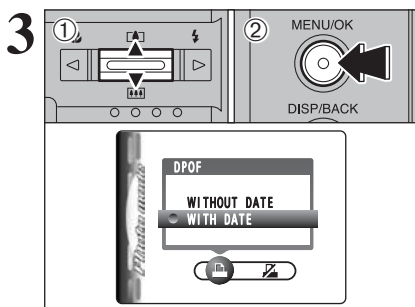
- ① Set the Mode switch to "F".
- ② Press the "F" button.



Press "◀" or "▶" to select "DPOF".



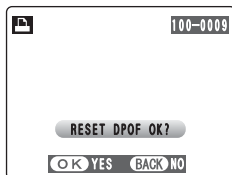
"DPOF" appears on the LCD monitor during playback when the image has specified with DPOF setting.



- ① Press "▲" or "▼" to select "WITH DATE" or "WITHOUT DATE". Selecting "WITH DATE" will cause the date to be imprinted on your prints.
- ② Press the "MENU/OK" button.

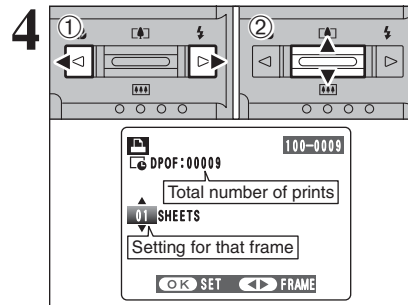
When selecting the "WITH DATE" setting, the date is imprinted on your shots using the Print Service or a DPOF-compatible printer (depending on the printer specifications, the date may not be printed in some cases).

◆ **When DPOF settings were specified on another camera** ◆



When the data includes a frame (file) with DPOF settings that were specified on another camera, "RESET DPOF OK?" appears. Pressing the "MENU/OK" button erases all of the DPOF settings already specified for each frame (file). Specify the DPOF setting for each frame (file) again.

Press the "DISP/BACK" button to leave the previous settings unchanged.

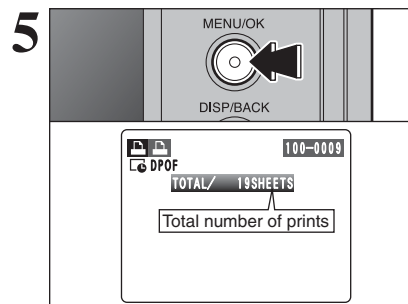


- ① Press "◀" or "▶" to display the frame (file) for which you want to specify DPOF settings.
- ② Press "▲" or "▼" to set a value up to 99 as the number of copies of the frame (file) to be printed. For frames (files) that you do not want printed, set the number of prints to 0 (zero).

To specify more DPOF settings, repeat steps ① and ②.

Prints of up to 999 image frames (files) can be ordered on the same xD-Picture Card.  
DPOF settings cannot be specified for movie.

Pressing the "DISP/BACK" button while choosing settings will cancel all current settings. If there were previous DPOF settings, only the modifications are cancelled.



**Always press the "MENU/OK" button after the settings are completed.**

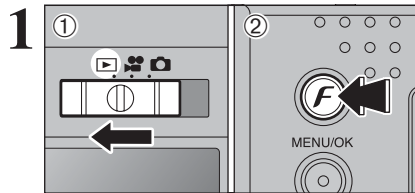
Pressing the "DISP/BACK" button cancels those settings.

◆ **Canceling a frame** ◆

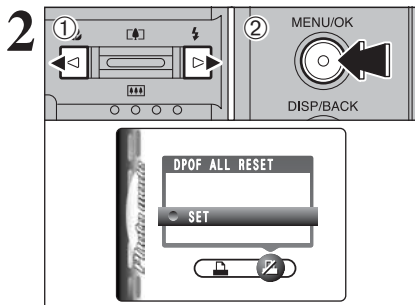
To cancel the DPOF setting for a frame (file) you have specified (cancel frame), perform steps 1 to 3 and then:

- ① Press "◀" or "▶" to select the frame (file) with the DPOF setting you want to cancel.
  - ② Set the number of prints to 0(zero).
- To cancel the DPOF setting for another frame (file), repeat steps ① and ②.

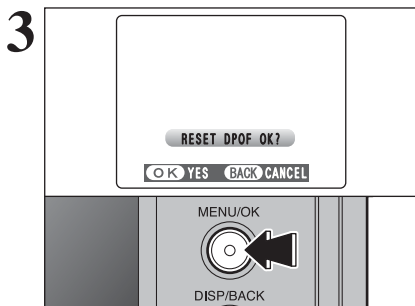
Press the "MENU/OK" button to complete the settings.



- 1 Set the Mode switch to "F".
- 2 Press the "F" button.



- 1 Press "◀" or "▶" to select "DPOF ALL RESET".
- 2 Press the "MENU/OK" button.



A message appears.  
To reset all the DPOF settings, press the "MENU/OK" button.

Movies up to 60 seconds long (at the "320" setting) or 180 seconds long (at the "160" setting) can be recorded.

● **Specifications**

Motion JPEG with sound

● **Quality selection method**

**320** (320 × 240 pixels)

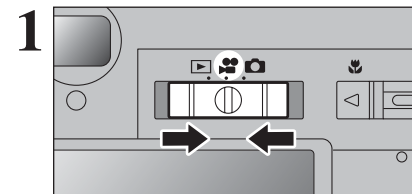
**160** (160 × 120 pixels)

● **Frame rate:** 10 frames per second

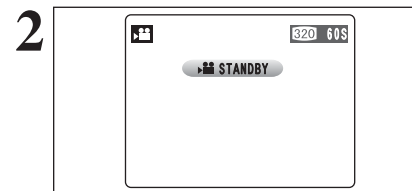
See P.97 for information on the frame rate.

- ⓘ See P.57 for information on changing the quality setting.
- ⓘ The available recording time for a movie may decrease depending on the amount of free space on the xD-Picture Card.
- ⓘ You cannot turn the LCD monitor off in this mode.

It may not be possible to playback your movies on other cameras.

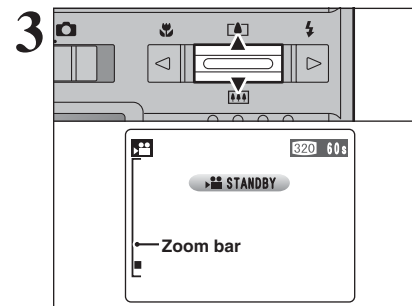


Set the Mode switch to "🎥".



The available recording time and "STANDBY" appear on the LCD monitor.

- ⓘ Because sound is recorded concurrently with the images, make sure that you do not cover the microphone with a finger, etc. (→P.8).



Press "[▲]" (▲) or "[▼]" (▼) to zoom in or out before you start recording. You must zoom beforehand as you cannot zoom during recording.

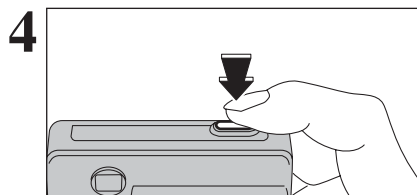
● **Optical zoom focal length (35 mm camera equivalent)**

Approx. 38 mm-130 mm

Max. zoom scale: 3.4x

● **Focal range**

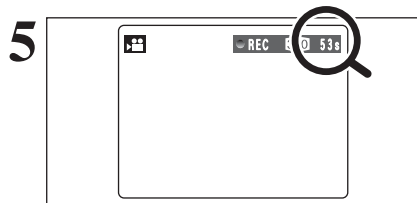
Approx. 60 cm (2.0 ft.) to infinity



Press the shutter button down fully to start recording.

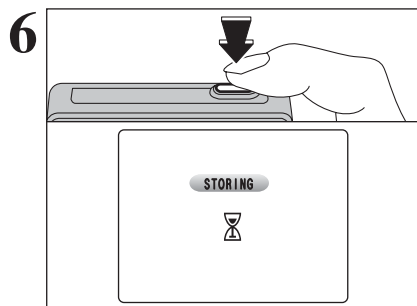
- The brightness and color of the LCD monitor shown during movie recording may differ from those shown before recording begins.
- There is no need to hold down the shutter button.

Pressing the shutter button down fully fixes the focus, however the exposure is adjusted for the scene being shot.



A counter appears in the top-right corner of the LCD monitor during recording, showing the remaining time.

- If the brightness of the subject changes during movie recording, the sound of lens operation may be recorded.
- Some wind noise may be recorded in shots taken outdoors.
- When the remaining time runs out, recording ends and the movie is saved onto the xD-Picture Card.



Press the shutter button during recording. Recording ends and the movie is stored on the xD-Picture Card.

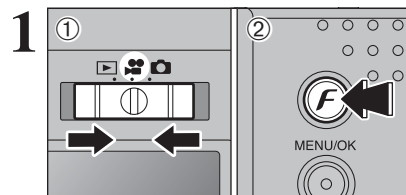
- If recording is stopped immediately after it begins, 1 second of movie is recorded onto the xD-Picture Card.

### Available recording time

#### ■ Recording times for xD-Picture Card

\* These figures are the available recording times using a new xD-Picture Card formatted on the camera. The actual recording times will vary depending on the free space available on the xD-Picture Card.

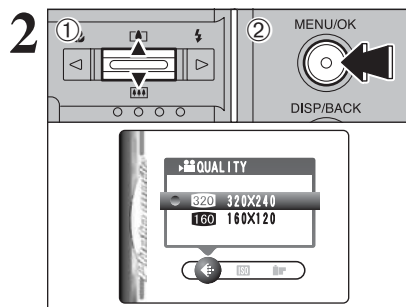
	Quality Setting	
	320i (10 frames per second)	160i (10 frames per second)
DPC-16 (16 MB)	94 sec.	288 sec.
DPC-32 (32 MB)	189 sec.	9.7 min.
DPC-64 (64 MB)	6.3 min.	19.4 min.
DPC-128 (128 MB)	12.7 min.	39.0 min.
DPC-256 (256 MB)	25.5 min.	78.1 min.
DPC-512 (512 MB)	51.0 min.	156.3 min.



- ① Set the Mode switch to "F".
- ② Press the "F" button.

- In "F" Movie mode, do not set the "ISO" (sensitivity) setting.
- In "F" Movie mode, do not set the "FINEPIX COLOR" setting.

The quality setting is retained even when the camera is off or the Mode switch setting is changed.

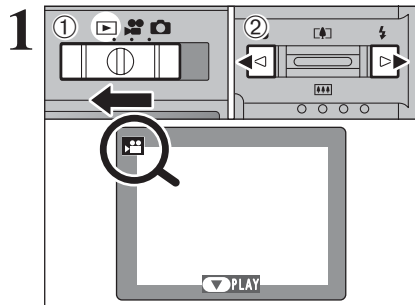


- ① Press "▲" or "▼" to change the setting.
- ② Press the "MENU/OK" button to confirm the setting.

### Quality settings in Movie mode

Quality mode	Sample Uses	maximum recording time
320 (320 × 240)	for better quality	60 sec.
160 (160 × 120)	to record longer movies	180 sec.

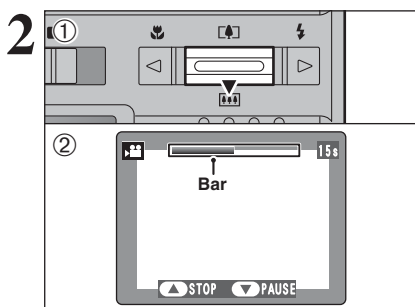
## PLAYBACK MODE PLAYING BACK MOVIES



- 1 Set the Mode switch to "Movie".
- 2 Press "◀" or "▶" to select the movie file.

Movies cannot be played back using multi-frame playback. Press the "DISP/BACK" button to select single-frame playback.

Indicated by the "Movie" icon.



- 1 Press "▶" to play the movie.
- 2 The playback time appears on the LCD monitor along with a progress bar.

Take care not to block the speaker.  
When the sound is difficult to hear, adjust the volume (→P.59).  
If the subject of the shot is very bright, white vertical streaks may appear in the image during playback. This is normal.

Movies are displayed one size smaller than still images.

### Playing back movies

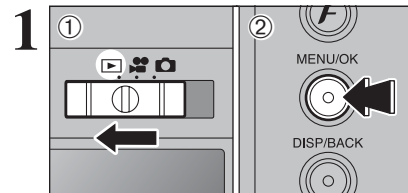
	Control	Description
Playback		Playback begins. Playback stops when the end of the movie is reached.
Pause/Resume		Pauses the movie during playback. Press "▶" again to resume playback.
Stop		Stops playback. * Press "◀" or "▶" while playback is stopped to go back to the previous file or advance to the next file respectively.
Fast forward/Rewind		Press "◀" or "▶" during playback to skip forwards or backwards through the movie.
Skip playback		Press "◀" or "▶" when the movie is paused, the movie advances or goes back one frame. Hold down "◀" or "▶" to move through the frames quickly.

### Playing movie files

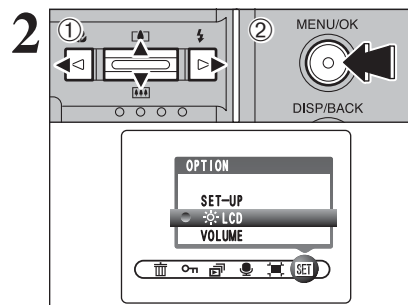
- You may not be able to play some movie files recorded on other cameras.
- To play back movie files on a PC, save the movie file on the xD-Picture Card to the PC's hard disk and then play back the saved file.

## 4 Settings

## ADJUSTING THE MONITOR BRIGHTNESS / VOLUME



- 1 Set the Mode switch to "Movie".
- 2 Press the "MENU/OK" button to display the menu on the LCD monitor.



- 1 Press "◀" or "▶" to select "SET-UP" OPTION and then press "▲" or "▼" to select "LCD" or "VOLUME".
- 2 Press the "MENU/OK" button.

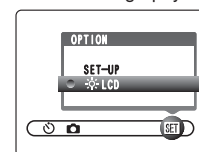


- 1 Press "◀" or "▶" to adjust the monitor brightness or the volume.
- 2 Press the "MENU/OK" button to confirm the new setting.

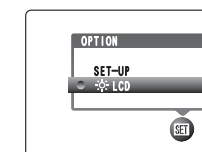
### SET-UP Menu Options

The options available in the SET-UP menu vary depending on whether the "A", "Movie" or "Playback" mode is selected.

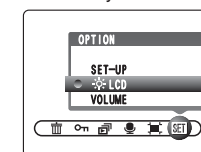
#### "A" Photography mode



#### Movie mode

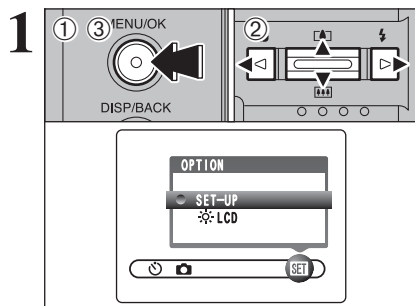


#### "Playback" mode



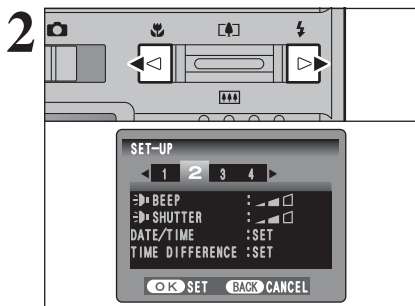
# SET-UP

## SET USING THE SET-UP SCREEN

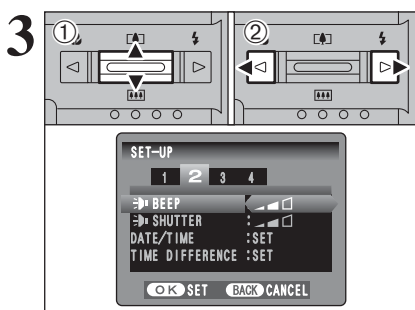


- ① Press the “MENU/OK” button to display the menu on the LCD monitor.
- ② Press “◀” or “▶” to select “SET” OPTION and then press “▲” or “▼” to select “SET-UP”.
- ③ Press the “MENU/OK” button to display the SET-UP screen.

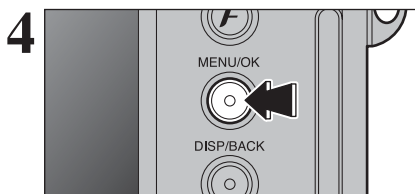
Always turn the camera off when replacing the battery. Opening the battery cover or disconnecting the AC power adapter without turning the camera off may cause the camera settings to revert to the factory default values set at shipment.



Press “◀” or “▶” to move to options 1 to 4.



- ① Press “▲” or “▼” to select a menu option.
- ② Press “◀” or “▶” to change the setting. Press “▶” for “FORMAT”, “DATE/TIME”, “TIME DIFFERENCE” or “RESET”.

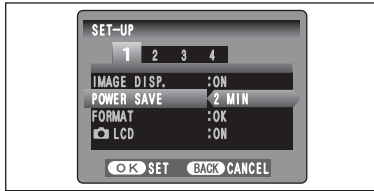


After you have changed the settings, press the “MENU/OK” button to confirm the changes.

## SET-UP menu options

	Settings	Display	Factory default	Explanation	page
1	IMAGE DISP.	ON/OFF	ON	Specifies whether an image checking screen (photography result) appears after taking a picture. The image appears for a few moments and is then recorded.	–
	POWER SAVE	2 MIN/5 MIN/OFF	2 MIN	Reduces the camera's power consumption and subsequently turns the camera off when not being used.	62
	FORMAT	OK	–	Erases all files.	62
	LCD	ON/OFF	ON	Specifies whether the LCD monitor is ON or OFF when the camera is turned on in Photography mode.	–
2	BEEP	OFF/1/2/3	2	Sets the volume of the tone emitted when the camera controls are used.	–
	SHUTTER	OFF/1/2/3	2	Sets the volume of the sound emitted when the shutter operates.	–
	DATE/TIME	SET	–	Corrects the date or time.	16
	TIME DIFFERENCE	SET	–	Specifies the time difference settings.	63
3	FRAME NO.	CONT./RENEW	CONT.	Specifies whether frame numbers are assigned consecutively from previous numbers or begin again.	64
	USB MODE	DSC/WEB/PictBridge	DSC	☐↔: DSC (Mass storage device) mode This mode provides a simple way to read images from an <b>xD-Picture Card</b> and store images onto an <b>xD-Picture Card</b> .	76
				☐↔: WEB: WEB CAM (WEB Camera) mode This function allows you to conduct videoconferencing sessions between PCs connected to the Internet. * Windows XP SP1 only	75
				☐↔: PictBridge If a printer that supports PictBridge is available, images can be printed by connecting the camera directly to the PictBridge-compatible printer without using a computer.	82
START-IMAGE	ON/OFF	OFF	Specifies whether the startup screen appears on the LCD monitor when the camera is turned on.	–	
言語/LANG.	日本語/ENGLISH/ FRANCAIS/DEUTSCH/ ESPANOL/中文	ENGLISH	Specifies the language used for LCD monitor display.	17	
4	VIDEO SYSTEM	NTSC/PAL	–	Specifies whether video output is set to NTSC or PAL.	–
	RESET	OK	–	Resets all the camera settings (other than the DATE/TIME, TIME DIFFERENCE, LANG. and VIDEO SYSTEM) to the factory default values set at shipment. A confirmation message appears when you press “▶”. To reset the camera settings, press the “MENU/OK” button again.	–

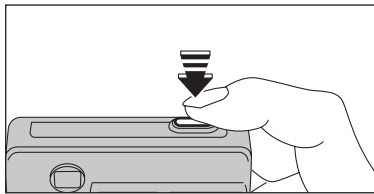
**POWER SAVE SETTING**



When this function is enabled and the camera is not used for 60 seconds, the screen temporarily turns off (sleep mode) and the viewfinder lamp blinks at 1 second intervals to save power. If the camera remains unused for 2 or 5 minutes, it is turned off. Use this function when you want to get the maximum possible running time from your battery.

☛ The Power save setting is disabled during automatic playback and when a USB connection is being used.

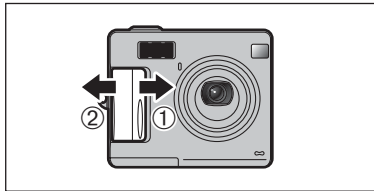
The Sleep function does not operate in SET-UP or Playback mode, but the camera will turn off if it is left unused for a set some time (2 or 5 minutes).



When the camera is in sleep mode, pressing the shutter button down halfway wakes the camera up.

☛ Pressing any other button as well as the shutter button wakes the camera up.

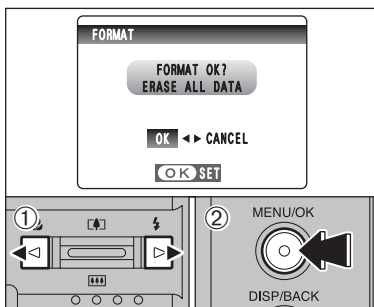
◆ To restore power to the camera ◆



When the Auto power off function has shut the camera down (after 2 or 5 minutes):

- ① Turn the camera off briefly.
- ② Turn the camera back on again.

**FORMAT**



Initialize (format) the **xD-Picture Card** for use with the camera.

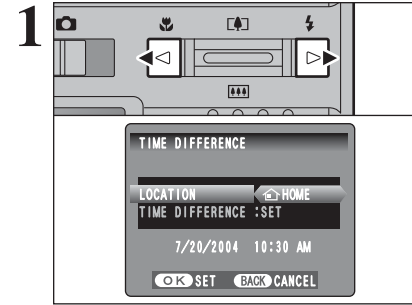
Because initializing the **xD-Picture Card** erases all the frames (files), including protected frames (files). Back up important frames (files) onto your PC or another media.

- ① Press “◀” or “▶” to select “OK”.
- ② Pressing the “MENU/OK” button erases all the frames (files) and initializes the **xD-Picture Card**.

☛ If “**[\_] CARD ERROR**”, “**[\_] WRITE ERROR**”, “**[\_] READ ERROR**” or “**[\_] CARD NOT INITIALIZED**” appears, see P.91 for information before formatting the **xD-Picture Card**.

**WORLD TIME (TIME DIFFERENCE)**

This function sets a time difference relative to the date and time currently set. When this setting is enabled, the specified time difference is applied when pictures are taken. Use this function when traveling to destinations in different time zones.

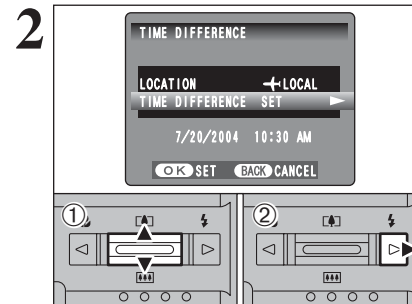


1 Press “◀” or “▶” to change between “**HOME**” and “**LOCAL**”.

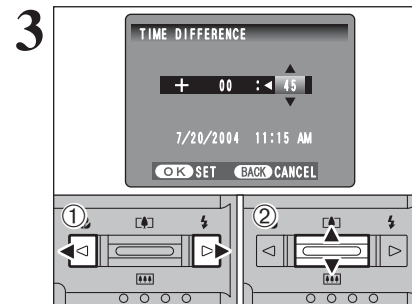
To set the time difference, select “**LOCAL**”.

**HOME** : Your home time zone

**LOCAL** : Your destination time zone



- ① Press “▲” or “▼” to select “TIME DIFFERENCE”.
- ② Press “▶”.

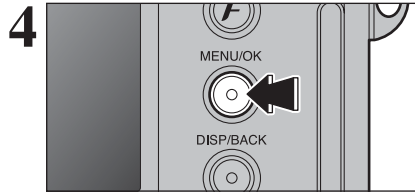


- ① Press “◀” or “▶” to select +, -, hour and minute.
- ② Press “▲” or “▼” to correct the setting.

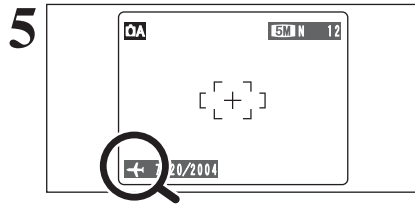
● Available time setting

–23:45 to +23:45 (in 15-minute increments)





4 Always press the "MENU/OK" button after the settings are completed.



5 When the Photography mode is selected with world time set, "+" appears on the LCD monitor for 3 seconds.

Upon returning from a trip, always change the World time setting back to "HOME".

FRAME NO.

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

\* Formatted xD-Picture Card used for both A and B.

Specifies whether frame numbers are assigned consecutively from previous numbers or begin again.

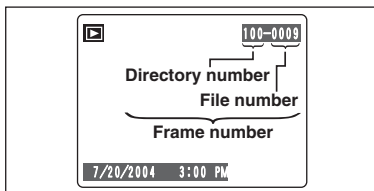
**CONT.:** Pictures are stored beginning from the highest file number stored on the last xD-Picture Card used.

**RENEW:** Pictures are stored on each xD-Picture Card beginning with a file number "0001".

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

When the camera settings are "RESET", the frame number setting ("CONT." or "RENEW") is changed to "CONT." and the frame number itself does not return to "0001".

When the xD-Picture Card already contains image files with file numbers higher than the highest file number on the last xD-Picture Card, images are stored beginning from the highest file number on the current xD-Picture Card.



Check the file number by viewing the image. The last 4 digits of the 7-digit number in the top right corner of the LCD monitor are the file numbers, while the first 3 digits show the directory number.

When changing the xD-Picture Card, always turn the camera off before opening the battery cover. Opening the battery cover without turning the camera off may cause the frame number memory to not function.

File number runs from 0001 to 9999. Once 9999 is exceeded, the directory number changes from 100 to 101. The maximum number is 999-9999.

The displayed frame number may differ for images photographed on other cameras.

When "FRAME NO. FULL" appears, see P.91.

Pre-installation checklist

To run this software, you must have the hardware and software described below. Check your system before you begin the installation.

<b>Operating System*</b>	Windows 98 (including the Second Edition) Windows Millennium Edition (Windows Me) Windows 2000 Professional* Windows XP Home Edition* Windows XP Professional* Windows XP Professional* <sup>2</sup>
<b>CPU</b>	200 MHz Pentium or better recommended (800 MHz Pentium III or better recommended for Windows XP)
<b>RAM</b>	64MB minimum (128 MB minimum for Windows XP) 256 MB or better recommended
<b>Hard disk space</b>	Amount required for installation: 450 MB minimum Amount required for operation: 600 MB minimum (When using ImageMixer VCD2 for FinePix: 2 GB or better)
<b>Display</b>	800 × 600 pixels or better, 16-bit color or better (When using ImageMixer VCD2 for FinePix: 1024 × 768 or better)
<b>Internet connection**</b>	<ul style="list-style-type: none"> <li>To use the FinePix Internet Service or mail attachment function: An Internet connection and e-mail transmission software</li> <li>Connection speed: 56 k or better recommended</li> </ul>

\*1 Models with one of the above operating systems pre-installed.

\*2 When you install the software, log in using a system administrator account (e.g. "Administrator").

\*3 Required to use the FinePix Internet Service. The software can still be installed even if you do not have an Internet connection.

Notes

- Connect the camera directly to the PC using the USB cable (included). The software may not operate correctly when you use an extension cable or connect the camera via a USB hub.
- When your PC has more than one USB port, the camera can be connected to either port.
- Push the USB connector fully into the socket to ensure that it is securely connected. The software may not operate correctly if the connection is faulty.
- Additional USB interface board is not guaranteed.
- Windows 95 and Windows NT cannot be used.
- Operation is not guaranteed on home-built PCs or on PCs running updated operating system software.
- When you reinstall or remove FinePixViewer, the Internet menu and your user ID and password for the FinePix Internet Service are deleted from your PC. Click the [Register now] button, enter your registered user ID and password and download the menu again.
- To use Video Chat, a PC running Windows XP Professional (Service Pack 1) or Windows XP Home Edition (Service Pack 1) is required with a sound card, a connected microphone and speakers, and Windows Messenger 5.0 or later installed. When using a router, check that the router is compatible with Windows Messenger.

## 5.1 INSTALLATION ON A Windows PC

Do not connect the camera to your PC until the software installation is completed.

- 1 Install FinePixViewer as instructed in the Quick start guide.

### ◆ Launching the installer manually ◆

- ① Double-click the "My Computer" icon.  
\* Windows XP users should click "My Computer" in the "Start" menu.
- ② Right-click "FINEPIX" (CD-ROM drive) in the "My Computer" window and select "Open".
- ③ Double-click "SETUP" or "SETUP.exe" in the CD-ROM window.



- \* The way file names are displayed differs as described below depending on your PC settings.
- File extensions (3-letter suffixes indicating the file type) may be shown or hidden. (e.g. Setup.exe or Setup)
  - Text may be shown normally or all in uppercase (e.g. Setup or SETUP).

### ◆ Installing other applications ◆

You may see messages for installing, ImageMixer VCD2 for FinePix and WINASPI. Install these applications as directed by the on-screen instructions. The installation screens for these applications are displayed as required.

- 2 After restarting the PC, install DirectX as directed by the on-screen instructions and then restart your PC again. If the latest version of DirectX is already installed on your PC, this installation is not performed.

- If the latest version is already installed, this window does not appear.
- Do not remove the CD-ROM during this procedure.

- 3 After restarting, the USB Video Class driver would be installed.

- If the latest version is already installed, this window does not appear.
- The driver is only installed on Windows XP SP1.



- 4 After restarting the PC, a message appears stating "Installation of the FinePixViewer has been completed" message appears.

## 5.2 INSTALLATION ON A Mac OS 9.2

### Pre-installation checklist

To run this software, you must have the hardware and software described below. Check your system before you begin the installation.

<b>Compatible Mac</b>	Power Macintosh G3*1, PowerBook G3*1, Power Macintosh G4, iMac, iBook, Power Macintosh G4 Cube or PowerBook G4
<b>Operating System</b>	Mac OS 9.2.2*2
<b>RAM</b>	64 MB minimum*3 256 MB or better recommended (When using ImageMixer VCD2 for FinePix: 128 MB or better)
<b>Hard disk space</b>	Amount required for installation: 400 MB minimum Amount required for operation: 600 MB minimum (When using ImageMixer VCD2 for FinePix: 2 GB or better)
<b>Display</b>	800 × 600 pixels or better, at least 32,000 colors (When using ImageMixer VCD2 for FinePix: 1024 × 768 or better)
<b>Internet connection*4</b>	<ul style="list-style-type: none"> <li>• To use the FinePix Internet Service or mail attachment function An Internet connection and e-mail transmission software is needed</li> <li>• Connection speed: 56 k or better recommended</li> </ul>

\*1 Models with a USB port as a standard feature

\*2 This software does not run correctly in the Mac OS X Classic environment.

\*3 Turn virtual memory on if necessary.

\*4 Required to use the FinePix Internet Service. The software can still be installed even if you do not have an Internet connection.

### ◆ Notes ◆

- Connect the camera directly to the Macintosh using the USB cable (included). The software may not operate correctly if you use an extension cable or connect the camera via a USB hub.
- Push the USB connector fully into the socket to ensure that it is securely connected. The software may not operate correctly if the connection is faulty.
- Additional USB interface board is not guaranteed.
- On Macintosh PCs, allocate at least 400 MB of virtual memory when RAW FILE CONVERTER LE is used. If other applications will be used at the same time, allocate the additional amount required for those applications also.

- 1 Turn on your Macintosh and start up Mac OS 9.2.2.

- Do not connect the camera to your Macintosh until the software installation is completed.

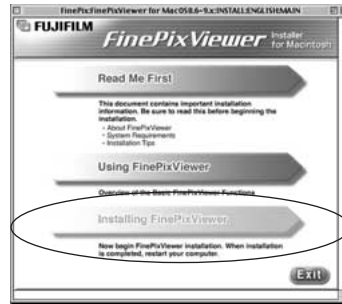
- 2 When the bundled CD-ROM is loaded into the CD-ROM drive, the [FinePix] volume appears. Double-click the volume icon to open the volume window.

- 3 Double-click "Installer for MacOS9" to launch the Installer.

## 5.2 INSTALLATION ON A Mac OS 9.2

4 The Installer setup screen appears. Click the [Installing FinePixViewer] button.

- For more information on what is installed, click the [Read Me First] button and [Using FinePixViewer] button.

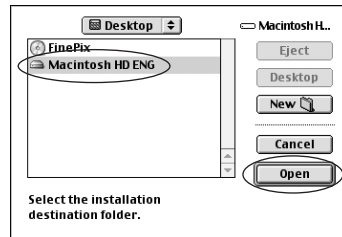


5 A confirmation message appears asking whether you want to continue with the installation. Click the [OK] button.

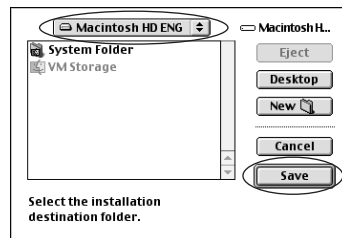
6 The User License Agreement for this software appears. Read the agreement carefully and then, if you agree to the terms of the Agreement, click the [Agree] button. If you click the [Disagree] button, the software is not installed.

7 Select the installation destination for FinePixViewer.

- Click the [Open] button to open the installation destination folder.



- Click the [Save] button.



8 Install ImageMixer VCD2 for FinePix as directed by the on-screen instructions.

9 After restarting the Macintosh, the “FinePixViewer installation completed” message appears. Click “Using FinePixViewer” to view the basic FinePixViewer functions.



10 To install Acrobat Reader, click “Install Acrobat Reader”.

- Install Adobe Systems' Acrobat Reader software to read the FinePixViewer User's Guide (PDF). If the latest version already has been installed, this step is not required.

11 Proceed with the installation as directed by the on-screen instructions.

### ◆ To install Acrobat Reader later... ◆

- Double-click the “FinePix” CD-ROM to open the CD-ROM window.
- Double-click “FinePixViewer for MacOS9” ⇒ “Acrobat Reader” ⇒ “English” folder.
- Double-click “English Reader Installer”.
- Proceed with the installation as directed by the on-screen instructions.

## 5.3 INSTALLATION ON A Mac OS X

### Pre-installation checklist

#### ■ Hardware and software requirements

To run this software, you must have the hardware and software described below. Check your system before you begin the installation.

<b>Compatible Mac</b>	Power Macintosh G3*1, PowerBook G3*1, Power Macintosh G4, iMac, iBook, Power Macintosh G4 Cube, or PowerBook G4, Power Macintosh G5
<b>Operating System</b>	Mac OS X (compatible with version 10.2.6 to 10.3.3)
<b>RAM</b>	192 MB minimum 256 MB or better recommended
<b>Hard disk space</b>	Amount required for installation: 200 MB minimum Amount required for operation: 400 MB minimum (When using ImageMixer VCD2 for FinePix: 2 GB or better)
<b>Display</b>	800 × 600 pixels or better, at least 32,000 colors (When using ImageMixer VCD2 for FinePix: 1024 × 768 or better)
<b>Internet connection*2</b>	<ul style="list-style-type: none"><li>• To use the FinePix Internet Service or mail attachment function An Internet connection and e-mail transmission software is needed</li><li>• Connection speed: 56 k or better recommended</li></ul>

\*1 Models with a USB port as a standard feature

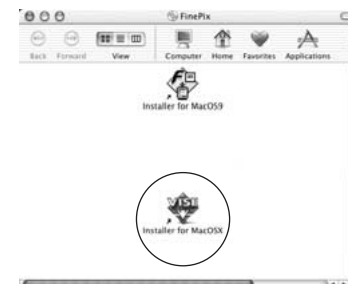
\*2 Required to use the FinePix Internet Service. The software can still be installed even if you do not have an Internet connection.

#### ◆ Notes ◆

- Connect the camera directly to the Macintosh using the USB cable (included). The software may not operate correctly if you use an extension cable or connect the camera via a USB hub.
- Push the USB connector fully into the socket to ensure that it is securely connected. The software may not operate correctly if the connection is faulty.
- Additional USB interface board is not guaranteed.
- On Macintosh PCs, allocate at least 400 MB of virtual memory when RAW FILE CONVERTER LE is used. If other applications will be used at the same time, allocate the additional amount required for those applications also.

1 Turn your Macintosh on and start up Mac OS X. Do not launch any other applications.

2 When the bundled CD-ROM is loaded into the CD-ROM drive, the "FinePix" icon appears. Double-click the "FinePix" icon to open the "FinePix" volume window.



3 Double-click on "Installer for MacOS X".

4 The Installer setup dialog appears. Click the [Installing FinePixViewer] button.

- For more information on what is installed, click the [Read Me First] button and [Using FinePixViewer] button.



5 The "Authenticate" dialog appears. Enter the name and password for the administrator account and then click the [OK] button.\*

\* The administrator account is the user account used for Mac OS X installation and you can confirm the user account in the Accounts dialog in the System Preferences.

6 The "License" dialog appears. Read the agreement carefully and then, if you agree to the terms of the Agreement, click the [Accept] button.

7 The "Read me" dialog appears. Click the [Continue] button.

## 5.3 INSTALLATION ON A Mac OS X

- 8 The "FinePixInstallIOSX" window appears. Click the [Install] button to install FinePixViewer and RAW FILE CONVERTER LE.

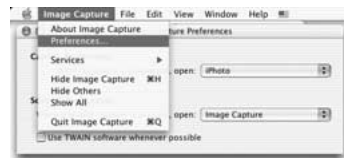


- 9 The ImageMixer VCD2 installer automatically starts up and a window showing the installation progress appears (Installation may take several minutes).

- 10 The "FinePixViewer installation completed" message dialog appears. Then click exit button and close it.

- 11 Launch "Image Capture" from the "Applications" folder.

- 12 Change the Image Capture settings. Select "Preferences..." from the "Image Capture" menu.



- 13 Select "Other..." from "When a camera is connected, open".

- 14 Select "FPVBridge" from "FinePixViewer" folder in the "Applications" folder and click the [Open] button.



- 15 Select "Quit Image Capture" menu in the "Image Capture" menu.

## 6 Viewing Images

### 6.1 CAMERA CONNECTION

#### 6.1.1 Using the AC power adapter

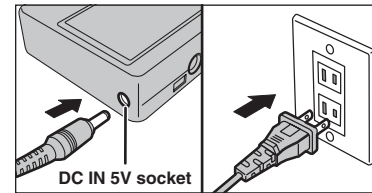
Always use a FUJIFILM AC Power Adapter AC-5VW (included) or AC-5VH/AC-5VHS (sold separately) (⇒P.87).

Use the AC power adapter to avoid losing power at inconvenient times, such as when downloading photographed images to your PC. You can take pictures and play back images without worrying about depleting the battery.

- See P.89 for notes on using the AC power adapter.

- Only connect or disconnect the AC power adapter when the camera is off.

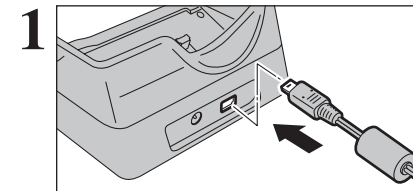
Connecting or disconnecting the AC power adapter while the camera is turned on temporarily interrupts the power supply to the camera, so that images or movies being shot are not recorded. Failing to turn the camera off first can also result in damage to the xD-Picture Card or malfunctions during PC connection.



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

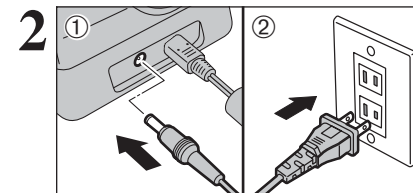
- The socket-outlet shall be installed near the equipment and shall be easily accessible.
- The shape of the plug and socket-outlet depends on the country of use.

#### 6.1.2 Connecting to a TV

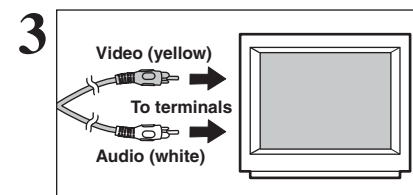


Plug the A/V cable (included) into the A/V OUT (Audio/visual output) socket for cradle.

- The camera can be connected to TV without cradle. Plug the A/V cable (included) directly into the connection socket on the camera.



- Plug the AC power adapter connector into the "DC IN 5V" socket.
- Plug the AC power adapter into the power outlet.

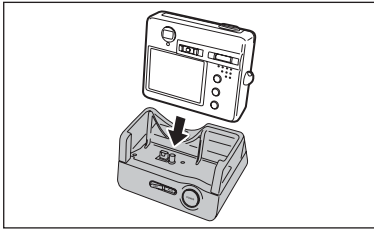


Plug the other end of the cable into the video/audio input socket on the TV.

- Images are sent to the TV only in Playback mode when using the cradle.
- Refer to the instructions provided with your TV for more information on video input for your TV.

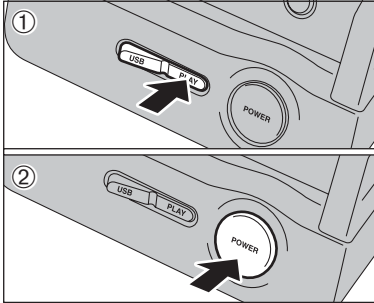
## 6.1 CAMERA CONNECTION

4



Set the camera in the cradle.

5



- ① Set the "USB/PLAY" switch on the cradle to the "PLAY" position.
- ② Press the "POWER" button on the cradle to turn the camera on in Playback mode.

## 6.2 CONNECTING TO A PC

### 6.2.1 Connecting to a PC

The "Connecting to a PC" section explains how to connect the camera to your PC using the USB cable (included) and describes the functions you can use once the camera and PC are connected.

If the power cuts out during data transmission, the data will not be transmitted correctly. Always use the AC power adapter when connecting the camera to a PC.

Refer to Section 5 the first time you connect the camera to your PC.

Install the software first. Do not connect the camera with the PC before installing all the software.



CD-ROM  
(Software for FinePix AX)

### DSC (Mass storage device) mode

This mode provides a simple way to read images from an **xD-Picture Card** and store images onto an **xD-Picture Card** (⇒P.76).

### WEB WEB CAM (WEB Camera) mode

This function allows you to conduct videoconferencing sessions between PCs connected to the Internet.

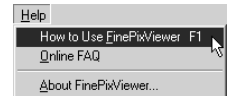
- ⚠ The WEB Camera function can be used on only Windows XP SP1.
- ⚠ Microsoft Windows Messenger 5.0 or later is required to use the WEB Camera function.  
For downloading and using this software, please refer to the below explanation for "Using Video Chat with Windows Messenger" No. ①. Please download it from the Messenger web site.
- ⚠ Images are not output to a TV.
- ⚠ When using Video Chat with the WEB Camera function, Windows XP SP1 is required also for your partner's OS.

Change between " DSC" and " WEB" in the camera's SET-UP screen.

### ◆ Using Video Chat with Windows Messenger ◆

#### Connecting camera to a PC

- ① Plug the included USB cable into the cradle USB socket.
- ② Plug the AC power adapter connector into the "DC IN 5V" socket on the cradle and then plug the AC power adapter into the power outlet.
- ③ Turn your PC on.
- ④ Use the USB cable to connect the cradle.
- ⑤ Slide the Power switch to the side to turn the camera on.
- ⑥ Set the "USB MODE" setting in the "SET-UP" menu to " WEB" (⇒P.61).
- ⑦ Slide the Power switch to the side to turn the camera off.
- ⑧ Set the camera into the cradle.
- ⑨ Set the "USB/PLAY" switch on the cradle to the "USB" position.
- ⑩ Press the "POWER" button on the cradle to turn the power on.  
The " WEB CAMERA" appears briefly on the LCD monitor.
- ⑪ Using Video Chat with Windows Messenger, refer to the "Basic operation" in the "How to use FinePixViewer" in the HELP menu which was installed from the CD-ROM.



- ⚠ Use a tripod when using the WEB Camera function.
- ⚠ The LCD monitor darkens when the WEB Camera is used.
- ⚠ If the camera cannot connect to the PC, the "COMMUNICATION ERROR" message is displayed briefly.

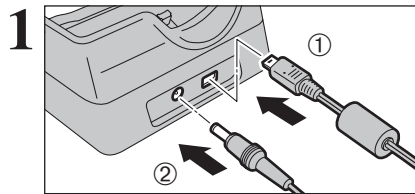
- The lens is fixed at the wide-angle zoom setting.
- The viewfinder lamp is lit green.
- Power save and Auto power off are disabled during USB connection.

#### Disconnecting the Camera

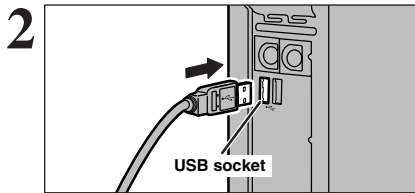
- ① Quit all applications (FinePixViewer etc.) that are using the camera.
- ② Press the "POWER" button on the cradle to turn the power off.

## 6.2 CONNECTING TO A PC

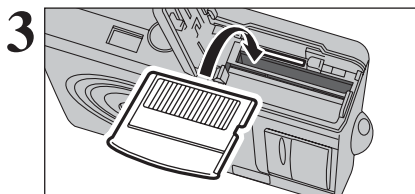
### USE AT DSC MODE



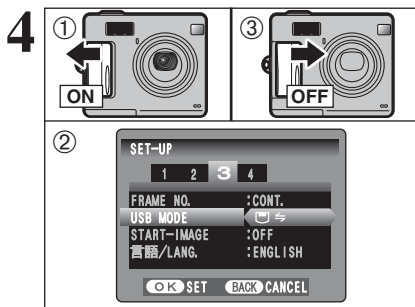
- ① Plug the included USB cable into the cradle USB socket.
- ② Plug the AC power adapter connector into the "DC IN 5V" socket on the cradle and then plug the AC power adapter into the power outlet.



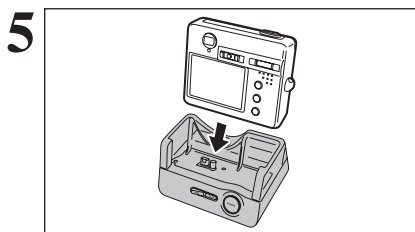
- ① Turn your PC on.
- ② Use the USB cable to connect the cradle.



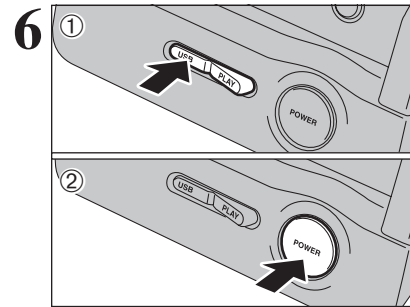
Insert an **xD-Picture Card** into the camera.



- ① Slide the Power switch to the side to turn the camera on.
- ② Select "DSC" in "USB MODE" in the "SET-UP" menu (→P.60).
- ③ Slide the Power switch to the side to turn the camera off.

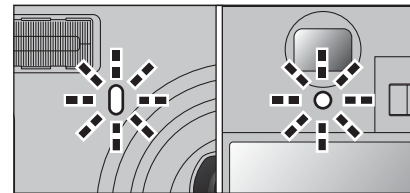


Set the camera in the cradle.



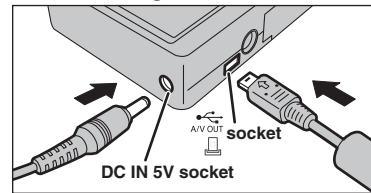
- ① Set the "USB/PLAY" switch on the cradle to the "USB" position.
- ② Press the "POWER" button on the cradle to turn the power on.

### Camera Operation



- When the camera and PC are exchanging data, the self-timer lamp blinks and the viewfinder lamp blinks alternately green and orange.
- "DSC" appears on the LCD monitor.
- Power save and Auto power off are disabled during USB connection.
- ⚠ Before replacing the **xD-Picture Card**, always disconnect the camera from the PC. See P.79 for information on the disconnection procedure.
- ⚠ Do not disconnect the USB cable when the camera is communicating with the PC. See P.79 for information on the disconnection procedure.

#### Connecting the camera without the cradle



Connect the AC power adapter, USB cable or A/V cable (included) to the camera directly.

## 6.2 CONNECTING TO A PC

### 7 Set a PC

#### Windows 98 / 98 SE / Me / 2000 Professional / Macintosh

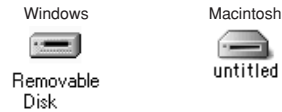
The Windows CD-ROM may also be required during installation. In this event, change CD-ROMs as directed by the on-screen instructions.

- FinePixViewer automatically starts up and the Save Image Wizard window (Save Image dialog box) appears. Follow the instructions provided on screen to save the images at this point. To proceed without saving the images, click the [Cancel] button.



\* Screen for Windows 98 SE

- A removable disk icon appears and you can use your PC to transfer files to and from the camera.



If the above operations do not occur, you do not have the required software programs or drivers installed on your PC. Complete the required PC setup procedures. Then reconnect the camera to your PC.

#### Windows XP

- The "Found New Hardware" help message appears in the bottom-right corner of your screen. This message will close when the settings are completed. No action is required.



This step is not required for subsequent connections.

- Specify the settings in the "AutoPlay" dialog box.

- When FinePixViewer is included in the list of actions to perform**

Select "Viewing images using FinePixViewer" and then select the "Always do the selected action" checkbox (This checkbox may not be shown in some cases). Click the [OK] button to launch FinePixViewer.

- When FinePixViewer is not included in the list of actions to perform**

Select "Take no action" and then select the "Always do the selected action" checkbox. (This checkbox may not be shown in some cases). Click the [OK] button and launch FinePixViewer manually.

- A new removable disk icon appears in the "My Computer" window.

FinePixViewer automatically starts up and the Save Image Wizard window (Save Image dialog box) appears. Follow the instructions provided on screen to save the images at this point. To proceed without saving the images, click the [Cancel] button.

#### ◆ Regarding the icons ◆

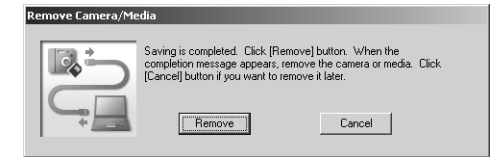
The next time you connect the camera, the removable disk drive icon and name change to the "FinePix" icon and name.

Proceed to "USING FinePixViewer" on P.80.

## 6.2.2 Disconnecting the camera

### 1 Windows

Once the image has been saved, the "Remove Camera/Media" window appears (Save Image Wizard Windows). To disconnect the camera, click the [Remove] button.

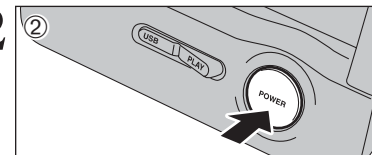


### Macintosh

Once the image has been saved, the "Remove camera/media" window appears (Save Image dialog box). To disconnect the camera, click the [OK] button.



### 2



- When the "It is now safe to disconnect the camera" message appears, click the [OK] button and disconnect the camera.
- Press the "POWER" button on the cradle to turn the power off.



## 6.3 USING FinePixViewer

### 6.3.1 Mastering FinePixViewer

For all information on FinePixViewer functions, refer to “How to Use FinePixViewer” in the Help menu for details.

#### ◆ Macintosh ◆

##### ● To read “How to Use FinePixViewer”...

You must install Adobe Systems' Acrobat Reader. See P.69 for information on installing Acrobat Reader.

🔗 For more information on using Acrobat Reader, refer to the Acrobat Reader “Help” menu.

##### ● What is explained in “How to Use FinePixViewer”...

“How to Use FinePixViewer” covers a range of topics, including batch processing and ordering prints.

#### ■ Example: Looking up slide shows

- ① Click “How to Use FinePixViewer” in the FinePixViewer Help menu.
- ② Click “Basic Operation” and then click “Basic Slide Show Operations” in the menu that appears.
- ③ The “Basic Slide Show Operations” information appears. Press the “<<<” key to view the previous page or the “>>>” key to view the next page.

### 6.3.2 Uninstalling the software

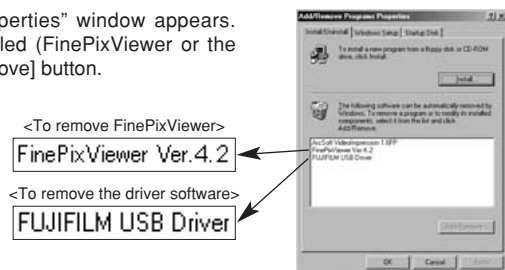
Only perform this operation when you no longer require the installed software or when the software was not installed correctly.

#### Windows

- ① Check that the camera is not connected to the PC.
- ② Quit all currently running applications.
- ③ Open the “My Computer” window, then open the “Control Panel”, and double-click on “Add/Remove Programs”.



- ④ The “Add/Remove Programs Properties” window appears. Select the software to be uninstalled (FinePixViewer or the driver) and then click the [Add/Remove] button.



- ⑤ When the message appears, click the [OK] button. Check your selection carefully since the process cannot be cancelled once you click [OK] button.



- ⑥ Automatic uninstallation begins. When uninstallation ends, click the [OK] button.

#### Macintosh

##### Mac OS 9.2

##### ■ Uninstalling Exif Launcher, FinePixViewer

- ① After you have quit Exif Launcher in “Exif Launcher Settings” in the FinePixViewer “Settings” menu, move the Exif Launcher file from the “Startup Items” folder in the System folder to the Trash. Then select “Empty Trash” in the “Special” menu.
- ② After you have exited FinePixViewer, drag the installed FinePixViewer folder to the Trash. Then click “Empty Trash” in the “Special” menu.

##### Mac OS X

##### ■ Uninstalling FinePixViewer

Quit FinePixViewer. Then drag the installed FinePixViewer folder to the Trash and select “Empty Trash” in the “Special” menu.

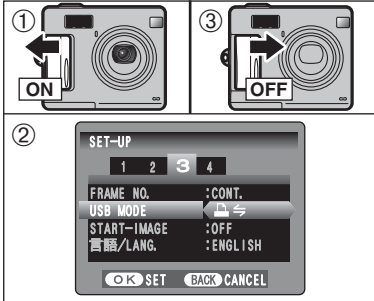
## 6.4 CONNECTING THE CAMERA DIRECTLY TO THE PRINTER — PictBridge FUNCTION

When a printer that supports PictBridge is available, images can be printed by connecting the camera directly to the PictBridge-compatible printer without using a PC.

⚠ In PictBridge function, images photographed on other than a camera may not be printed.

### 6.4.1 Specifying images for printing on the camera

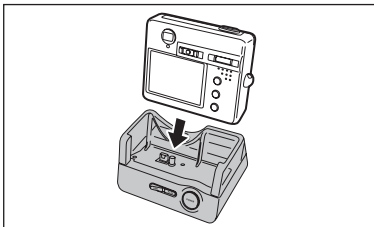
**1**



- Slide the Power switch to the side to turn the camera on.
- Select "🖨️" in "USB MODE" in the "SET-UP" menu (⇒P.60).
- Slide the Power switch to the side to turn the camera off.

⚠ Do not connect to a PC when the USB mode setting is set to "🖨️". See P.94 if you connect to a PC by mistake.

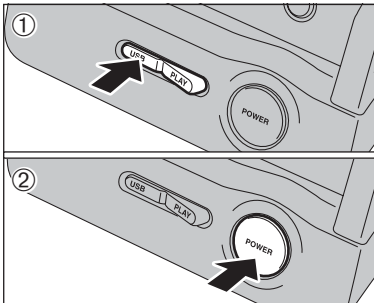
**2**



- Connect the cradle to the printer using the USB cable.
- Set the camera into the cradle.

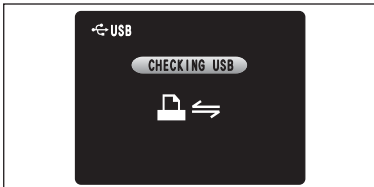
⚠ The camera cannot be used to specify printer settings such as the paper size and print quality.  
⚠ Use an xD-Picture Card that was formatted on the camera.

**3**



- Set the "USB/PLAY" switch on the cradle to the "USB" position.
- Press the "POWER" button on the cradle.

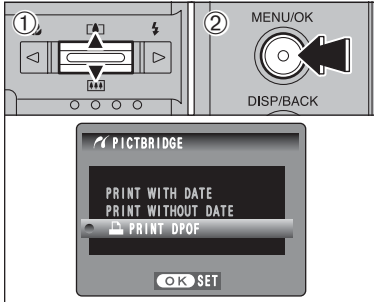
**4**



"CHECKING USB" appears and then the menu is displayed on the LCD monitor.

⚠ If the menu does not appear, check whether the USB mode setting is "🖨️".  
⚠ Depending on the printer, some functions are disabled.

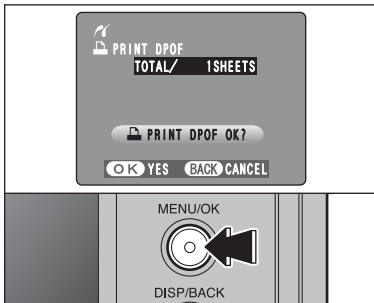
**5**



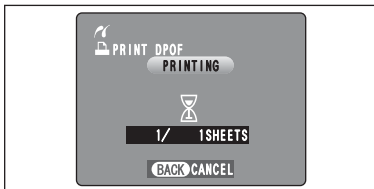
- Press "▲" or "▼" to select "🖨️ PRINT DPOF".
- Press the "MENU/OK" button.

⚠ When "🖨️ NOT SET DPOF" appears, the DPOF settings are not specified.  
⚠ To use DPOF printing, the DPOF settings must be specified on FinePix F450 beforehand (⇒P.52).  
⚠ Even when "WITH DATE" is specified in the DPOF settings, the date is not inserted on printers that do not support date printing.

**6**



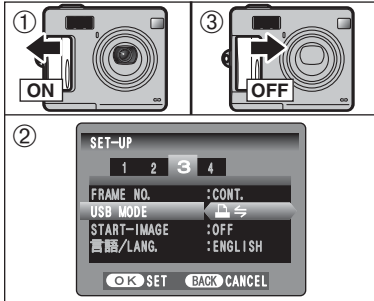
Press the "MENU/OK" button to download the data to the printer and print the frames specified in the DPOF settings.  
Press the "DISP/BACK" button to return to step 5.



⚠ Press the "DISP/BACK" button to cancel the printing. Depending on the printer, the printing may not be canceled immediately or printing may stop midway through. When printing stops midway, briefly turn the camera off and then on again.

### 6.4.2 Specifying images for printing without using DPOF (single-frame printing)

**1**

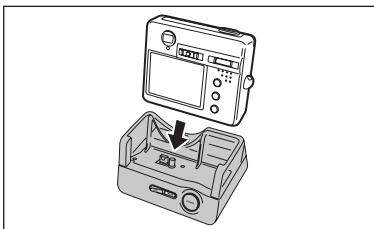


- Slide the Power switch to the side to turn the camera on.
- Select "🖨️" in "USB MODE" in the "SET-UP" menu (⇒P.60).
- Slide the Power switch to the side to turn the camera off.

⚠ Do not connect to a PC when the USB mode setting is set to "🖨️". See P.94 if you connect to PC by mistake.

## 6.4 CONNECTING THE CAMERA DIRECTLY TO THE PRINTER — PictBridge FUNCTION

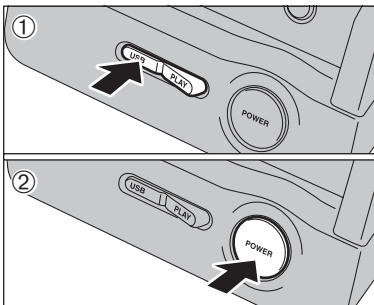
2



- 1 Connect the cradle to the printer using the USB cable.
- 2 Set the camera in the cradle.

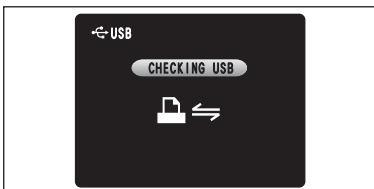
- ⚠ The camera cannot be used to specify printer settings such as the paper size and print quality.
- ⚠ Use an xD-Picture Card that was formatted in the camera.

3



- 1 Set the "USB/PLAY" switch on the cradle to the "USB" position.
- 2 Press the "POWER" button on the cradle.

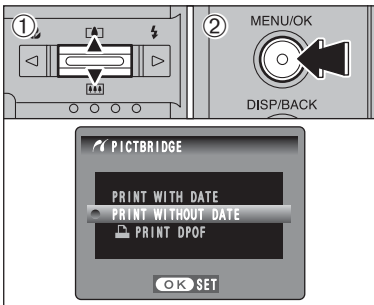
4



"CHECKING USB" appears and then the menu is displayed on the LCD monitor.

- ⚠ If the menu does not appear, check whether the USB mode setting is "A/B".
- ⚠ Depending on the printer, some functions are disabled.

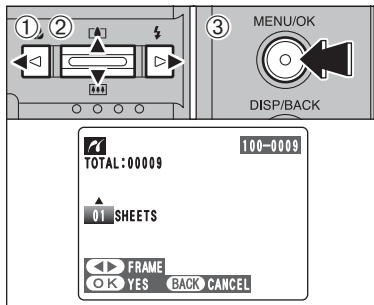
5



- 1 Press "▲" or "▼" to select "PRINT WITH DATE" or "PRINT WITHOUT DATE". If "PRINT WITH DATE" is selected, the date is imprinted on your prints.
- 2 Press the "MENU/OK" button.

- ⚠ "PRINT WITH DATE" is not available when the camera is connected to a printer that does not support date printing.

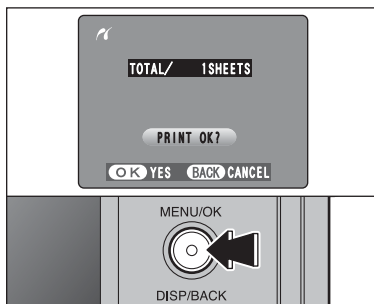
6



- 1 Press "◀" or "▶" to display the frame (file) for which you want to specify PRINT settings.
- 2 Press "▲" or "▼" to set a value up to 99 as the number of copies of the frame (file) to be printed. For frames (files) that you do not want printed, set the number of prints to 0 (zero). To specify more PRINT settings, repeat steps ① and ②.
- 3 Press the "MENU/OK" button.

- ⚠ Movie images cannot be printed.

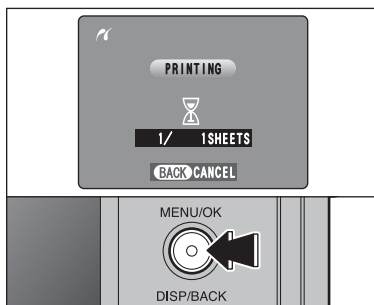
7



Always press the "MENU/OK" button after the settings are completed.

- ⚠ Press the "DISP/BACK" button to return to step 5.

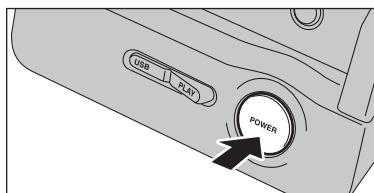
8



Press the "MENU/OK" button to download the data to the printer and start printing the specified number of prints. To end printing, press the "DISP/BACK" button.

- ⚠ Press the "DISP/BACK" button to cancel the printing. Depending on the printer, the printing may not be canceled immediately or printing may stop midway through. When printing stops midway, briefly turn the camera off and then on again.

### Disconnecting the printer



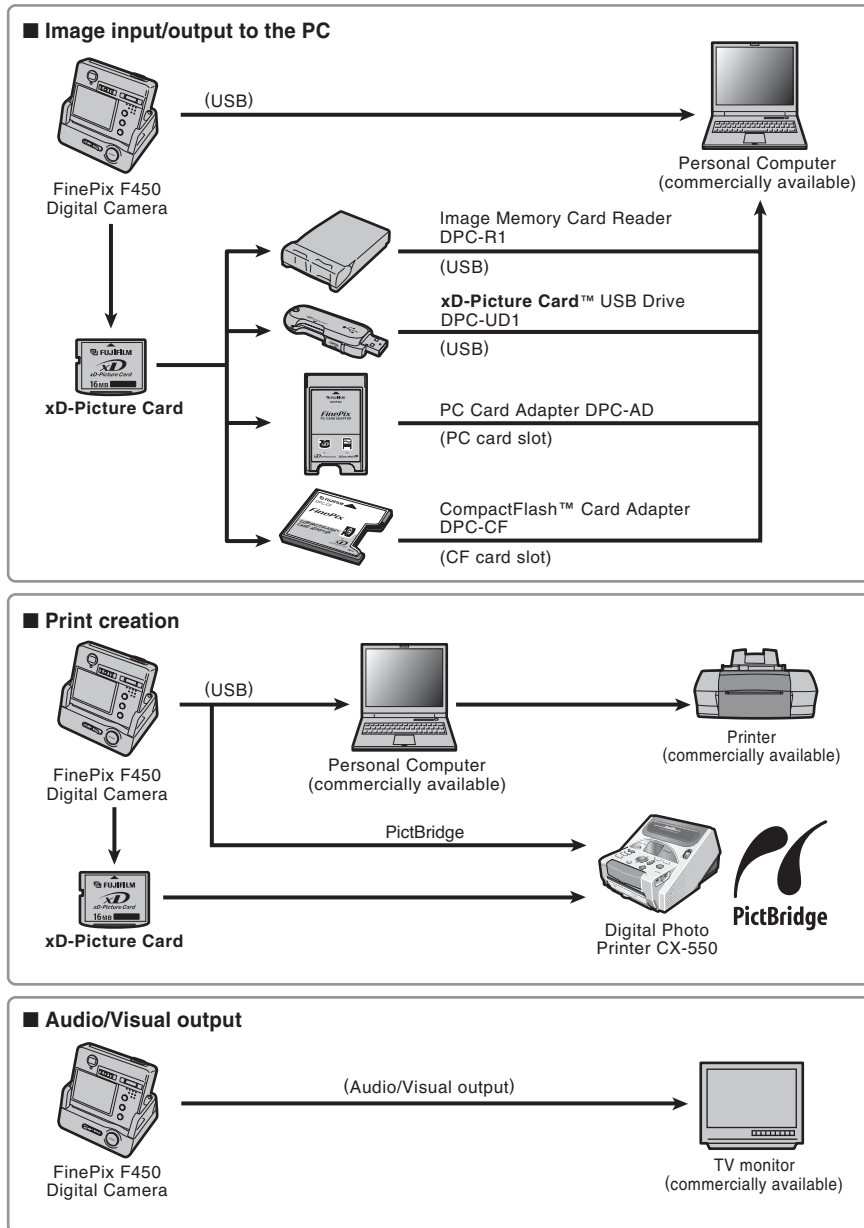
- 1 Check that "PRINTING" is not displayed on the camera's screen.
- 2 Press the "POWER" button on the cradle to turn the power off.

6

Viewing Images

## System Expansion Options

- By using the FinePix F450 together with other optional FUJIFILM products, your system can be expanded to fill a wide range of uses.



## Accessories Guide

- The accessories (sold separately) can make taking pictures with the FinePix F450 even easier. For information on how to attach and use the accessories, refer to the instructions provided with the accessory used. Visit the FUJIFILM web site for the latest information on camera accessories. <http://home.fujifilm.com/products/digital/index.html>

### ● xD-Picture Card

These are sold separately.

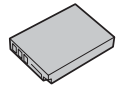
Use the following **xD-Picture Cards**:

DPC-16 (16 MB)/DPC-32 (32 MB)/DPC-64 (64 MB)/DPC-128 (128 MB)/  
DPC-256 (256 MB)/DPC-512 (512 MB)



### ● Rechargeable Battery NP-30

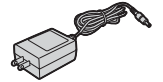
A Lithium-ion slimline rechargeable battery.



### ● AC Power Adapter AC-5VH/AC-5VHS

Use the AC-5VH/AC-5VHS when taking pictures or playing back images for long periods or when the FinePix F450 is connected to a personal computer.

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



### ● Soft Case SC-FX440

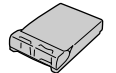
This is a special case made of Leather that protects the camera against soil, dust and minor impacts when it is being carried.

### ● Image Memory Card Reader DPC-R1

The DPC-R1 provides a quick and easy way to transfer images back and forth between your PC and an image memory card (**xD-Picture Card** and SmartMedia). The DPC-R1 uses the USB interface for high-speed file transfer.

● Compatible with Windows 98/98 SE, Windows Me, Windows 2000 Professional, Windows XP or iMac, Mac OS 8.6 to 9.2, Mac OS X (10.1.2 to 10.2.2) and models that support USB as standard.

● Compatible with **xD-Picture Card** of 16 MB to 512 MB, and SmartMedia of 3.3 V, 4 MB to 128 MB.



### ● PC Card Adapter DPC-AD

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

● Compatible with **xD-Picture Card** of 16 MB to 512 MB, and SmartMedia of 3.3 V, 2 MB to 128 MB.



### ● CompactFlash™ Card Adapter DPC-CF

Loading an **xD-Picture Card** into this adapter allows you to use the card as a CompactFlash card (Type I).

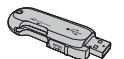
● Windows 95/98/98 SE/Me/2000 Professional/XP  
● Mac OS 8.6 to 9.2/X (10.1.2 to 10.1.5)



### ● xD-Picture Card™ USB Drive DPC-UD1

This is a compact card reader for **xD-Picture Cards**. Simply plug the drive into the USB port to read and write data to an **xD-Picture Card** (No driver installation is required except on Windows 98/98 SE).

● Compatible with **xD-Picture Card** of 16 MB to 512 MB  
● Windows 98/98 SE/Me/2000 Professional/XP  
● Mac OS 9.0 to 9.2/X (10.0.4 to 10.2.6)



### ● Waterproof Case WP-FX440

This waterproof case protects your FinePix F450 from water damage yet allows you to make camera adjustments and use the flash.

Dive up to 40 meters underwater with your FinePix F450 digital camera.



# Using Your Camera Correctly

► Read this information and the “Safety Notes” (→P.98), to make sure you use your camera correctly.

## ■ Places to Avoid

Do not store or use the camera in the following types of locations:

- In the rain or in 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 with strong vibration.
- Places with smoke or steam.
- Places subject to strong magnetic fields (such as near motors, transformers or magnets).
- In contact with chemicals such as pesticides
- Next to rubber or vinyl products

## ■ Damaged by Water or sand

The FinePix F450 can be damaged on the inside and outside by water and sand. When you are at the beach or close to water, make sure that the camera is not damaged by water or sand. Take care not to place the camera on a wet surface.

## ■ Damaged by Condensation

If the camera is carried 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, turn the camera off and wait an hour before using the camera.

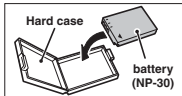
# Notes on the Power Supply

## Notes on the Battery (NP-30)

This camera uses the Rechargeable Lithium-ion Battery NP-30. Note the points below when using the rechargeable battery. Take particular care to read the Safety Notes to make sure that you use the battery correctly.

\* When shipped, the NP-30 is not fully charged. Always charge the NP-30 before using it.

- When carrying the NP-30, install it in a digital camera or keep it in the hard case.
- When storing the NP-30, place it inside the special hard case provided.



## ■ Battery Features

- The NP-30 gradually loses its charge even when not used. Use a NP-30 that has been charged recently (in the last day or two) to take pictures.
- To maximize the life of the NP-30, turn the camera off as quickly as possible when it is not being used.
- The number of available frames will be lower in cold locations or at low temperatures. Take along a spare fully charged NP-30.

You can also increase the amount of power produced by putting the NP-30 in your pocket or another warm place to heat it and then loading it into the camera just before you take a picture.

If you are using a heating pad, take care not to place the NP-30 directly against the pad. The camera may not operate if you use a depleted NP-30 in cold conditions.

## ■ Charging the Battery

- You can charge the battery using the camera and the AC power adapter (included).
  - The NP-30 can be charged at ambient temperatures between 0°C and +40°C (+32°F and +104°F). At an ambient temperature of +23°C (+73°F), it takes approximately 2 hours to charge a fully depleted NP-30 battery.
- You should charge the NP-30 at an ambient temperature between +10°C and +35°C (+50°F and +95°F). If you charge the NP-30 at a temperature outside this range, charging takes longer because the performance of the NP-30 is impaired.

Condensation may also form on the xD-Picture card. In this event, remove the xD-Picture card and wait a short time.

## ■ When the Camera is Not Used or is stored Periods of Time

If you do not intend to use the camera for a long period of time, remove the battery and the xD-Picture card.

## ■ Cleaning Your Camera

- Use a blower brush to brush away any dust on the lens, LCD monitor, viewfinder and then gently wipe the camera with a soft, dry cloth. If any soil 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 or viewfinder.
- Clean the body of the camera with a soft, dry cloth. Do not use volatile substances or cleaning products these items can cause damage.

## ■ Using the Camera When Traveling

When traveling overseas, do not place your camera in the check-in baggage. Baggage can be subjected violent shocks, and the camera may be damaged inside or outside.

- You cannot charge the NP-30 at temperatures of 0°C (+32°F) or below.
- The NP-30 does not need to be fully discharged or exhausted flat before being charged.
- The NP-30 may feel warm after it has been charged or immediately after being used. This is perfectly normal.
- Do not recharge a fully charged NP-30.

## ■ Battery Life

At normal temperatures, the NP-30 can be used at least 300 times.

If the time for which the NP-30 provides power shortens markedly, this indicates that the NP-30 has reached the end of its effective life and should be replaced.

## Notes on storage

The Rechargeable Lithium-ion Battery NP-30 is both compact and capable of storing large quantities of power. However, if it is stored for long periods while charged, the performance of the battery can be impaired.

- If the battery will not be used for some time, run the battery out before storing it.
- If you do not intend to use the camera for a long period of time, remove the batteries from the camera.
- Place the battery pack inside the hard case and store in a cool place.
- \* The battery should be stored in a dry location with an ambient temperature between +15°C and +25°C (+59°F and +77°F).
- \* Do not leave the battery in hot or extremely cold places.

## ■ Handling the Battery

To avoid injury or damage, observe the following:

- Do not carry or store battery with metal objects such as necklaces or hairpins.
- Do not heat the battery or throw it into a fire.
- Do not attempt to take apart or change the battery.
- Do not recharge the battery with chargers other those specified.
- Dispose of used battery promptly.

To avoid damaging the battery or shortening its life, observe the following:

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

To make sure that you obtain optimum battery performance, observe the following:

## AC Power Adapter

Always use the AC Power Adapter AC-5VW with the camera. The use of an AC Power adapter other than AC-5VW can cause damage to your digital camera.

- Use the AC Power Adapter for indoor use only.
- Plug the connection cord plug securely into the DC input terminal of the FUJIFILM Digital camera.
- Turn off the FUJIFILM Digital camera before disconnecting the cord from the FUJIFILM Digital camera's DC input terminal. To disconnect, pull out the plug gently. Do not pull on the cord.
- Do not use the AC power adapter with any device other than your camera.
- During use, the AC power adapter will become hot to the touch, but this is normal.
- Do not take apart the AC power adapter. Doing so could be dangerous.
- Do not use the AC power adapter in a place with hot humid place.
- Do not subject the AC power adapter to strong shocks.
- The AC power adapter may emit a humming. But this is normal.
- If used near a radio, the AC power adapter may cause

- Always keep the battery terminals clean.
- Do not store battery in warm or humid places. Storing the battery for long periods in a hot location can shorten the battery life.

If you use the battery for a long period, the camera body and the battery itself will become warm. This is normal. Use the AC power adapter supplied with the camera if you are taking pictures or viewing images for a long period of time.

## ■ Specifications of the included NP-30

Nominal voltage	DC 3.7V
Nominal capacity	565 mAh
Operating temperature	0°C to +40°C (+32°F to +104°F)
Dimensions	27.5 mm × 38.0 mm × 6.7 mm (1.08 in. × 1.49 in. × 0.26 in.) (W × H × D)
Mass (Weight)	Approx. 14 g (0.5 oz.)

static. If this happens, move the camera away from the radio.

\* Very occasionally, DC output will be prevented by the operation of the internal protection circuit. In this event, unplug the AC power adapter AC-5VW from the power socket for a few moments and then plug it in again. This will restore DC output.

## ■ Specifications (AC-5VW)

Power Supply	AC 100V to 240V,50/60Hz
Rated Input Capacity	13W(U.S.A.and Canada) 0.08A to 0.2A(other countries) DC 5.0V 1.5A
Rated Output	0°C to +40°C (+32°F to +104°F)
Temperature During Use	-10°C to +70°C (+14°F to +158°F)
Storage Temperature	40 mm × 21 mm × 79 mm (1.6 in. × 0.8 in. × 3.1 in.) (W × H × D)
Dimensions (MAX.)	Approx. 110 g (3.9 oz.) (excluding power cord)
Mass (Weight)	

# WARNINGS

To reduce the risk of fire or electric shock, do not expose the AC power adapter to rain or moisture. The AC power adapter should not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, should be placed on the AC power adapter.

# IMPORTANT SAFETY INSTRUCTIONS

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings, Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Protect the power cord from being walked on or pinched particularly at

plugs, convenience receptacles, and the point where they exit from the apparatus.

- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personal. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

# Notes on the xD-Picture Card™

## ■ Image Memory Card

- This Image Memory Card is a new image recording media (**xD-Picture Card**) developed for digital cameras. The Image Memory Card consists of a semiconductor memory (NAND-type flash memory) to record digital image data. The recording process is electrically performed and enables erasure of existing image data as well as re-recording of new image data.
- When using a new Memory Card, or a Memory Card that has been formatted by a PC, be sure to format the card with your digital camera before using it.

## ■ Protecting Your Data

- Images and movies may be lost or destroyed in the following situations. Please note that FUJIFILM assumes no responsibility for data that is lost or destroyed.
  1. Removal of the memory card or turning the power off while the memory card is being accessed (i.e., during record, erase, initialization, and playback operations).
  2. Improper handling and use of the memory card by the user or third party.
- Save your important data to another media (i.e., MO disk, CD-R, hard disk, etc.).

## ■ Handling xD-Picture Card

- When storing **xD-Picture Cards**, make sure that they are kept out of the reach of children. An **xD-Picture Card** could be swallowed cause suffocation. If a child swallows an **xD-Picture Card**, seek medical attention or call emergency number right away.
- When inserting the **xD-Picture Card** into the camera, hold the **xD-Picture Card** straight as you push it in.
- Do not expose an **xD-Picture Card** to shock. Do not apply pressure, and avoid bending.
- Do not use or store **xD-Picture Card** in hot humid places.
- Clean the **xD-Picture Card** with a soft dry piece of cloth when dirty.
- When carrying or storing an **xD-Picture Card**, keep it in the special protective case.
- The **xD-Picture Card** will work well for long time, but will sooner or later lose its ability to store and play back images or movies. If this happens replace it with a new **xD-Picture Card**.
- Never remove the **xD-Picture Card** or turn the camera off during data recording or erasing (**xD-Picture Card** formatting) as this could be damaged to the **xD-Picture Card**.
- The use of **xD-Picture Cards** is recommended with the FinePix F450. The recording quality cannot be guaranteed when **xD-Picture Cards** other than those manufactured by FUJIFILM are used.
- The **xD-Picture Card** may feel warm when it is removed from the camera after taking pictures. This is normal.
- Do not put labels on the **xD-Picture Card**. Peeling labels can cause the camera not to work properly.

## ■ Using xD-Picture Card with a PC










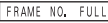



- When taking pictures using an **xD-Picture Card** that has been used on a PC, reformat the **xD-Picture Card** using your camera for best quality.
- When formatting an **xD-Picture Card**, a directory (folder) is created. Image data is then recorded in this directory.
- Do not change or delete the directory (folder) or file names on the **xD-Picture Card** because this will make it impossible to use the **xD-Picture Card** in your camera.
- Always use the camera to erase image data on an **xD-Picture Card**.
- To edit image data, copy the image data to the PC and edit the copy.
- Do not copy files other than those that will be used by the camera.

## ■ Specifications













Type	Image memory card for digital cameras ( <b>xD-Picture Card</b> ) NAND-type flash memory
Memory type	Temperature: 0°C to +40°C (+32°F to +104°F)
Conditions for use	Humidity: 80% max. (no condensation) 25 mm × 20 mm × 2.2 mm (0.98 in. × 0.79 in. × 0.09 in.) (W × H × D)
Dimensions	

# Warning Displays

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

Warning Displayed	Explanation	Remedy
 (Lit red)  (Blinking red)	The camera battery is low or completely out of charge.	Load new or fully charged battery.
	There is a strong likelihood of camera shake because the shutter speed is slow.	Use flash photography. However, use a tripod for some scenes and modes.
<b>!AF</b>	The AF (autofocus) cannot work effectively.	<ul style="list-style-type: none"> <li>● If the image is too dark, take the picture at a distance of around 2 m (6.6 ft.) from the subject.</li> <li>● Use AF lock to take the picture.</li> </ul>
<b>!AE</b>	Outside the AE continuous range.	The picture can be taken, but the correct brightness (exposure) will not be obtained.
 FOCUS ERROR  ZOOM ERROR	Camera malfunction or fault.	<ul style="list-style-type: none"> <li>● Turn the camera on again, taking care not to touch the lens.</li> <li>● Turn the camera off and on again. If the message still appears, contact your FUJIFILM dealer.</li> </ul>
 NO CARD	No <b>xD-Picture Card</b> is inserted.	Insert an <b>xD-Picture Card</b> .
 CARD NOT INITIALIZED	<ul style="list-style-type: none"> <li>● The <b>xD-Picture Card</b> is not formatted.</li> <li>● The <b>xD-Picture Card</b> contact area is soiled.</li> </ul>	<ul style="list-style-type: none"> <li>● Format the <b>xD-Picture Card</b> on the camera.</li> <li>● Wipe the contact area on the <b>xD-Picture Card</b> with a soft dry cloth. It may be necessary to format the <b>xD-Picture Card</b>. If the message still appears, replace the <b>xD-Picture Card</b>.</li> <li>● Contact your FUJIFILM dealer.</li> </ul>
 CARD ERROR	<ul style="list-style-type: none"> <li>● The <b>xD-Picture Card</b> contact area is soiled.</li> <li>● The <b>xD-Picture Card</b> is damaged.</li> <li>● The <b>xD-Picture Card</b> format is incorrect.</li> <li>● Camera fault.</li> </ul>	<ul style="list-style-type: none"> <li>● Wipe the contact area on the <b>xD-Picture Card</b> with a soft dry cloth. It may be necessary to format the <b>xD-Picture Card</b>. If the message still appears, replace the <b>xD-Picture Card</b>.</li> <li>● Contact your FUJIFILM dealer.</li> </ul>
 CARD FULL	The <b>xD-Picture Card</b> is full.	Erase some images or use an <b>xD-Picture Card</b> that has ample free space.
 FRAME NO. FULL	The frame number has reached 999-9999.	<ol style="list-style-type: none"> <li>① Insert a formatted <b>xD-Picture Card</b> into the camera.</li> <li>② Set "RENEW" as the FRAME NO. setting in the "SET-UP" menu.</li> <li>③ Start taking pictures (The frame numbers start from "100-0001")</li> <li>④ Set "CONT." as the FRAME NO. setting in the "SET-UP" menu.</li> </ol>
 WRITE ERROR	<ul style="list-style-type: none"> <li>● The data could not be recorded due to an <b>xD-Picture Card</b> error or a connection error between the <b>xD-Picture Card</b> and camera.</li> <li>● The image cannot be recorded as it is too large to fit in the available space on the <b>xD-Picture Card</b>.</li> </ul>	<ul style="list-style-type: none"> <li>● Re-insert the <b>xD-Picture Card</b> or turn the camera off and then on again. If the message still appears, contact your FUJIFILM dealer.</li> <li>● Use a new <b>xD-Picture Card</b>.</li> </ul>
 BUSY	The timing for recording was incorrect because the <b>xD-Picture Card</b> was formatted on a PC.	Use an <b>xD-Picture Card</b> that was formatted on the camera.
 READ ERROR	<ul style="list-style-type: none"> <li>● The played back file was not recorded correctly.</li> <li>● The <b>xD-Picture Card</b> contact area is soiled.</li> </ul>	<ul style="list-style-type: none"> <li>● Images cannot be played back.</li> <li>● Wipe the contact area on the <b>xD-Picture Card</b> with a soft dry cloth. It may be necessary to format the <b>xD-Picture Card</b>. If the message still appears, replace the <b>xD-Picture Card</b>.</li> <li>● Contact your FUJIFILM dealer.</li> <li>● Movies cannot be played back.</li> </ul>

## Warning Displays

Warning Displayed	Explanation	Remedy
	<ul style="list-style-type: none"> <li>A protected file was encountered.</li> <li>An attempt was made to add a voice memo to protected file.</li> </ul>	<ul style="list-style-type: none"> <li>Protected files cannot be erased. Remove the protection.</li> <li>Protected files cannot be added to voice memos. Remove the protection.</li> </ul>
	Prints were specified for 1000 or more frames in the DPOF frame settings.	The maximum number of frames for which prints can be specified on the same <b>xD-Picture Card</b> is 999. Copy the images for which you want to order prints onto another <b>xD-Picture Card</b> and then specify the DPOF settings.
	<ul style="list-style-type: none"> <li>The voice memo file is faulty.</li> <li>Camera fault.</li> </ul>	<ul style="list-style-type: none"> <li>The voice memo cannot be played back.</li> <li>Contact your FUJIFILM dealer.</li> </ul>
 	An attempt was made to specify DPOF settings for an image that is not supported by DPOF.	DPOF printing cannot be used with this image format.
	An attempt was made to trim a 0.3M image.	The image cannot be trimmed.
	<ul style="list-style-type: none"> <li>An attempt was made to trim an image shot using a camera other than FinePix F450.</li> <li>The image is damaged.</li> </ul>	The image cannot be trimmed.
	The camera is not connected to PC or printer.	<ul style="list-style-type: none"> <li>Check that the USB cable is connected correctly.</li> <li>Check that your printer is turned on.</li> </ul>
	Displayed for PictBridge.	<ul style="list-style-type: none"> <li>Check that the printer is not out of paper or out of ink.</li> <li>Turn the printer off briefly and then turn it back on.</li> <li>Refer to the user manual supplied with your printer.</li> </ul>
	Displayed for PictBridge.	Check that the printer is not out of paper or out of ink. Printing automatically restarts when the error is cleared. If the message still appears after checking, press the "MENU/OK" button to restart printing.
	Displayed for PictBridge.	<ul style="list-style-type: none"> <li>Refer to the user manual for the printer being used and check whether the printer supports the JFIF-JPEG or Exif-JPEG image format. If not, the printer cannot print the images.</li> <li>Movie images cannot be printed.</li> <li>Was the image data photographed using FinePix F450? You may not be able to print some images photographed on other cameras.</li> </ul>
	Displayed for PictBridge.	This message appears when printing is performed from a FUJIFILM printer that supports PictBridge. Refer to the Owner's Manual for the printer for details.

## Troubleshooting

▶ If you think the camera is faulty, check the following once more.

Troubleshooting	Possible causes	Solutions
The viewfinder lamp does not light when charging the battery.	<ul style="list-style-type: none"> <li>There is no battery in the camera.</li> <li>The camera and AC power adapter are not connected correctly.</li> </ul>	<ul style="list-style-type: none"> <li>Load the battery.</li> <li>Connect the camera and AC power adapter correctly.</li> </ul>
The viewfinder lamp blinks during charging and the battery won't charge.	<ul style="list-style-type: none"> <li>The battery terminals are dirty.</li> <li>The battery can no longer be recharged.</li> </ul>	<ul style="list-style-type: none"> <li>Take the battery out briefly and then reload it.</li> <li>Wipe the battery terminals with a clean, dry cloth.</li> <li>Load a new or fully charged battery. If the battery still fails to charge, contact your FUJIFILM dealer.</li> </ul>
No power.	<ul style="list-style-type: none"> <li>The battery has run out.</li> <li>The AC power adapter plug has come out of the power outlet.</li> <li>The battery is loaded backward.</li> <li>The battery cover is not closed correctly.</li> </ul>	<ul style="list-style-type: none"> <li>Load a new or fully charged battery.</li> <li>Plug the adapter back in.</li> <li>Load the battery in the correct direction.</li> <li>Close the battery cover correctly.</li> </ul>
Power cuts out during operation.	The battery runs out.	Load a new or fully charged battery.
Battery runs out quickly.	<ul style="list-style-type: none"> <li>Camera is being used in extremely cold conditions.</li> <li>The terminals are soiled.</li> <li>The battery can no longer be recharged.</li> </ul>	<ul style="list-style-type: none"> <li>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.</li> <li>Wipe the battery terminals with a clean, dry cloth.</li> <li>Load a new or fully charged battery.</li> </ul>
No photograph is taken when the shutter button is pressed.	<ul style="list-style-type: none"> <li>No <b>xD-Picture Card</b> is inserted.</li> <li>The <b>xD-Picture Card</b> is full.</li> <li>The <b>xD-Picture Card</b> is not formatted.</li> <li>The <b>xD-Picture Card</b> contact area is soiled.</li> <li>The <b>xD-Picture Card</b> is damaged.</li> <li>The Auto power off function has turned the camera off.</li> <li>The battery has run out.</li> </ul>	<ul style="list-style-type: none"> <li>Insert an <b>xD-Picture Card</b>.</li> <li>Insert a new <b>xD-Picture Card</b> or erase some unwanted frames.</li> <li>Format the <b>xD-Picture Card</b> on the camera.</li> <li>Wipe the <b>xD-Picture Card</b> contact area with a clean dry cloth.</li> <li>Insert a new <b>xD-Picture Card</b>.</li> <li>Turn the camera on.</li> <li>Load a new or fully charged battery.</li> </ul>
Can't use the flash.	<ul style="list-style-type: none"> <li>The shutter button was pressed while the flash was charging.</li> <li>The Shooting mode is set to "▲" LANDSCAPE.</li> </ul>	<ul style="list-style-type: none"> <li>Wait until the flash has finished charging before pressing the shutter button.</li> <li>Change the Shooting mode.</li> </ul>
The flash settings are restricted and cannot be selected.	The Shooting mode is set to "▲", "☄" or "☾".	The flash settings are restricted because the camera settings are tailored to the scene being shot. Change the Shooting mode for a wider range of flash settings.
The playback image is dark even though the flash was used.	<ul style="list-style-type: none"> <li>The subject is too far away.</li> <li>Your finger was covering the flash.</li> </ul>	<ul style="list-style-type: none"> <li>Move to within the effective flash range before taking the picture.</li> <li>Hold the camera correctly.</li> </ul>
The image is blurred.	<ul style="list-style-type: none"> <li>The lens is dirty.</li> <li>You photographed scenery with Macro mode selected.</li> <li>You took a close-up shot without selecting Macro mode.</li> <li>You are shooting a subject that is not suited to autofocus.</li> </ul>	<ul style="list-style-type: none"> <li>Clean the lens.</li> <li>Cancel Macro mode.</li> <li>Select Macro mode.</li> <li>Use AF/AE lock to take the picture.</li> </ul>
There is speckling on the image.	The picture was taken with a slow shutter speed (long exposure) in a high-temperature environment.	This is a characteristic of CCDs and does not indicate a camera fault.
The camera does not emit any sound.	<ul style="list-style-type: none"> <li>The camera volume is set too low.</li> <li>The microphone was blocked during shooting/recording.</li> <li>There is something covering the speaker during playback.</li> </ul>	<ul style="list-style-type: none"> <li>Adjust the volume.</li> <li>Take care not to block the microphone during shooting/recording.</li> <li>Make sure that the speaker is uncovered.</li> </ul>

## Troubleshooting

▶ If you think the camera is faulty, check the following once more.

Troubleshooting	Possible causes	Solutions
Frame erase does not erase the frame.	Some frames may be protected.	Unprotect frames using the camera on which the protection was first applied.
The ERASE ALL function does not erase all the frames.		
Screens are not displayed in English.	A language other than English is selected in the “言語/LANG.” setting in the “SET-UP” menu (▶P.61).	<ol style="list-style-type: none"> <li>Press the “MENU/OK” button to display the menu.</li> <li>Press “◀” or “▶” to select “” and press “▲” or “▼” to select “SET-UP”. (Press the “MENU/OK” button to display the “SET-UP” screen on the LCD monitor.)</li> <li>Press “◀” or “▶” to move to option 3 and then press “▲” or “▼” to select “言語/LANG.”.</li> <li>Press “◀” or “▶” several times to select “ENGLISH”.</li> <li>Press the “MENU/OK” button.</li> </ol>
There is no image or sound on the TV.	<ul style="list-style-type: none"> <li>The included A/V cable was connected during movie playback.</li> <li>The camera is not connected to the TV correctly.</li> <li>“TV” is selected as the TV input.</li> <li>The video output setting is incorrect.</li> <li>The TV volume is turned down.</li> </ul>	<ul style="list-style-type: none"> <li>After the movie playback mode is stopped, connect the camera and TV correctly.</li> <li>Connect the camera and TV correctly.</li> <li>Set the TV input to “VIDEO”.</li> <li>Change the setting to “NTSC” or “PAL” (▶P.61).</li> <li>Adjust the volume.</li> </ul>
The TV image is black and white.	The video output setting is incorrect.	Change the setting to “NTSC” or “PAL” (▶P.61).
When the camera is connected to a PC, the photographed image or playback image appears on the camera’s LCD monitor.	<ul style="list-style-type: none"> <li>The USB cable is not correctly connected to the PC or camera.</li> <li>The PC is not turned on.</li> </ul>	<ul style="list-style-type: none"> <li>Set up the camera and the USB cable (included) correctly.</li> <li>Turn the PC on.</li> </ul>
Nothing happens when I use the Mode switch.	<ul style="list-style-type: none"> <li>Camera malfunction.</li> <li>The battery runs out.</li> </ul>	<ul style="list-style-type: none"> <li>Briefly remove the battery or disconnect the AC power adapter. Then reload the battery or reconnect the AC power adapter and try again.</li> <li>Load a new or fully charged battery.</li> </ul>
The camera no longer works correctly.	The camera has suffered an unforeseen problem.	Briefly remove the battery or disconnect the AC power adapter. Then reload the battery or reconnect the AC power adapter and try again. If the message still appears, contact your FUJIFILM dealer.
Can’t print with PictBridge.	“” is not selected in USB mode in the “SET-UP” menu.	Select “” in USB mode in the “SET-UP” menu.
The camera was connected to a PC when the USB mode was set to “”.		<p>Perform steps ① to ③ to remove the camera from PC.</p> <ul style="list-style-type: none"> <li>Windows <ol style="list-style-type: none"> <li>The “New Hardware Found” wizard (or “Scanner and Camera” wizard) appears. If the wizard does not appear, proceed to step ③.</li> <li>Click the [Cancel] button.</li> <li>Disconnect the camera from the PC.</li> </ol> </li> <li>Macintosh <ol style="list-style-type: none"> <li>The window for locating the driver appears. If the window does not appear, proceed to step ③.</li> <li>Click the [Cancel] button.</li> <li>Disconnect the camera from the Macintosh.</li> </ol> </li> </ul>

## Specifications

System	
<b>Model</b>	Digital camera FinePix F450
<b>Effective pixels</b>	5.2 million pixels
<b>CCD sensor</b>	1/2.5 inch square pixel CCD Number of total pixels 5.36 million pixels
<b>Storage media</b>	<b>xD-Picture Card</b> (16/32/64/128/256/512 MB)
<b>File format</b>	Still image: JPEG (Exif ver. 2.2) * Design rule for Camera File System compliant DPOF compatible Movie: AVI format, Motion JPEG Audio: WAVE format, Monaural sound
<b>Number of recorded pixels</b>	Still image: 2592 × 1944 pixels/2048 × 1536 pixels/1600 × 1200 pixels/ 640 × 480 pixels ( <b>EM</b> / <b>SM</b> / <b>ZM</b> / <b>GM</b> ) Movie: 320 × 240 pixels (10 frames per second with monaural sound) 160 × 120 pixels (10 frames per second with monaural sound)
<b>Lens</b>	Fujinon 3.4 × optical zoom lens Aperture: F2.8 to F5.5
<b>Focal length</b>	f=6.3 mm to 21.6 mm (Equivalent to 38 mm to 130 mm on a 35 mm camera)
<b>Focus</b>	TTL contrast-type, Auto focus
<b>Focal range</b>	Normal: Approx. 60 cm (2.0 ft.) to infinity Macro: Wide-angle: Approx. 9.0 cm (3.5 in.) to 80 cm (2.6 ft.) Telephoto : Approx. 39 cm (1.3 ft.) to 80 cm (2.6 ft.)
<b>Shutter speed</b>	2 sec. to 1/2000 sec. (depend on Exposure mode)
<b>Aperture</b>	F2.8 to F7.4 (automatically selected)
<b>Sensitivity</b>	Photography mode (): AUTO (Equivalent to ISO 80-400, depending on conditions)/80/100/200/400 Photography mode (, , , ): ISO 80/100/200/400
<b>Photometry</b>	TTL 64-zones metering
<b>Exposure control</b>	Program AE
<b>Exposure compensation</b>	-2.1 EV to +1.5 EV in 0.3 Steps EV increments (in Manual photography mode)
<b>White balance</b>	Photography mode (, , , ): AUTO Photography mode (): 7 positions can be selected
<b>Viewfinder</b>	Real image optical Approx. 78% coverage
<b>LCD monitor</b>	2.0-inche, 154,000 pixels low-temperature poly-silicon TFT, Approx. 97% coverage
<b>Flash type</b>	Auto flash Effective range: Wide-angle: Approx. 0.6 m-3.6 m (2.0 ft.-12.0 ft.) Telephoto: Approx. 0.6 m-2.0 m (2.0 ft.-6.7 ft.) Macro: Approx. 0.3 m-0.8 m (1.0 ft.-2.6 ft.) Flash modes: Auto, Red-eye reduction, Forced flash, Suppressed flash, Slow synchro, Red-eye reduction + Slow synchro
<b>Self-Timer</b>	10 sec.
<b>Video output</b>	NTSC/PAL selectable
Input/Output Terminals	
<b>External connection terminals</b>	Special USB cable, special A/V cable, cradle connection
<b>DC Input</b>	To connect the AC power Adapter AC-5VV



## Specifications

### Power Supply and Others

<b>Power supply</b>	Use one of the following <ul style="list-style-type: none"> <li>• Rechargeable Battery NP-30 or AC Power Adapter AC-5VW</li> </ul>				
<b>Conditions for use</b>	Temperature: 0°C to +40°C (+32°F to +104°F) 80% humidity or less (no condensation)				
<b>Guide to the number of available frames for battery operation</b>	<table border="1"> <thead> <tr> <th>Battery</th> <th>Number of frames</th> </tr> </thead> <tbody> <tr> <td>NP-30</td> <td>Approx. 150</td> </tr> </tbody> </table>	Battery	Number of frames	NP-30	Approx. 150
	Battery	Number of frames			
NP-30	Approx. 150				
<p>According to the CIPA (Camera &amp; Imaging Products Association) standard procedure for measuring digital still camera battery consumption (extract): When using batteries, use the batteries supplied with the camera. The storage media should be <b>xD-Picture Card</b>. Pictures should be taken at a temperature of 23°C, with the LCD monitor turned on, the optical zoom moved from full wide-angle to full telephoto (or vice-versa) and back again to its original position every 30 seconds, the flash used at full power every second shot and the camera turned off and then on again once every 10 shots.</p> <ul style="list-style-type: none"> <li>• Note: As the number of available shots varies depending on the level of charge in batteries, the figures shown here for the number of available shots using batteries are not guaranteed. The number of available shots will also decline at low temperatures.</li> </ul>					
<b>Camera dimensions</b> (W × H × D)	74.5 mm × 62.3 mm × 21.3 mm/2.9 in. × 2.5 in. × 0.8 in. (not including accessories and attachments)				
<b>Camera mass</b> (weight)	Approx. 150 g/5.3 oz. (not including accessories, battery, <b>xD-Picture Card</b> )				
<b>Weight for photography</b>	Approx. 165 g/5.8 oz. (including battery NP-30 and <b>xD-Picture Card</b> )				
<b>Accessories</b>	See P.7				
<b>Optional Accessories</b>	See P.87				

### Cradle

<b>Cradle dimensions</b> (W × H × D)	81.9 mm × 41.6 mm × 64.9 mm/3.2 in. × 1.6 in. × 2.5 in.
<b>Cradle mass</b> (weight)	Approx. 80 g/2.8 oz.

### ■ Standard number of available frames/recording time per xD-Picture Card

The number of available frames, recording time or file size varies slightly depending on the subjects photographed. Note also that the difference between standard number of frames and the actual number of frames is greater for **xD-Picture Cards** with higher capacities.

Quality Setting	5M F	5M N	3M	2M	3M	Movie 820	Movie 160
Number of recorded pixels	2592 × 1944		2048 × 1536	1600 × 1200	640 × 480	320 × 240	160 × 120
Image Data Size	2.5 MB	1.3 MB	780 KB	630 KB	130 KB	—	—
DPC-16 (16 MB)	6	12	19	25	122	94 sec.	288 sec.
DPC-32 (32 MB)	12	25	40	50	247	189 sec.	9.7 min.
DPC-64 (64 MB)	25	50	81	101	497	6.3 min.	19.4 min.
DPC-128 (128 MB)	51	102	162	204	997	12.7 min.	39.0 min.
DPC-256 (256 MB)	102	204	325	409	1997	25.5 min.	78.1 min.
DPC-512 (512 MB)	205	409	651	818	3993	51.0 min.	156.3 min.

\* These specifications are subject to change without notice. FUJIFILM shall not be held liable for damages resulting from errors in this Owner's Manual.

\* 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.

\* The operation error may be caused in a digital camera by the strong radio interference (i. e. electric fields, static electricity, line noise, etc.).

\* Due to the nature of the lens, the edges of images may appear distorted. This is normal.

## Explanation of Terms

### AF/AE Lock

On the FinePix F450, pressing the shutter button down half way locks the focus and exposure settings (AF and AE lock). If you want to focus on a subject that is not centered in the frame or change the picture composition after the exposure is set, you can obtain good results by changing the composition after the AF and AE settings are locked.

### Auto power save function

If the camera is not used in any way for 30 seconds, this function turns features such as the LCD monitor off (sleep mode) to prevent battery depletion and the waste of power when the AC power adapter is connected. If the camera is then left unused for a further period, the Auto power save function turns the camera off. This period can be set to 2 or 5 minutes on this camera.

- The Auto power off function does not operate in PC mode, during automatic playback, or if it is disabled during setup.

### 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 to be printed and how many prints are made of each image.

### EV

A number that denotes Exposure Value. 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.

### Frame rate (fps)

The frame rate refers to the number of images (frames) that are photographed or played back per second. For example, when 10 frames are continuously photographed in a 1-second interval, the frame rate is expressed as 10 fps.

For reference, TV images are displayed at 30 fps (NTSC).

### JPEG

Joint Photographics Experts Group

A file format used for compressing and saving color images. The higher the compression rate, the greater the loss of quality in the decompressed (restored) image.

### Motion JPEG

A type of AVI (Audio Video Interleave) file format that handles images and sound as a single file. Images in the file are recorded in JPEG format. Motion JPEG can be played back by QuickTime 3.0 or later.

### PC Card

A generic term for cards that meet the PC Card Standard.

### PC Card Standard

A standard for PC cards determined by the PCMCIA.

### PCMCIA

Personal Computer Memory Card International Association (US).

### Smear

A phenomenon specific to CCDs whereby white streaks appear on the image when there is a very strong light source, such as the sun or reflected sunlight, in the photography screen.

### WAVE

A standard format used on Windows systems for saving audio data. WAVE files have the ".WAV" file extension and the data can be saved in either compressed or uncompressed format. Uncompressed recording is used on this camera.

WAVE files can be played back on a personal computer using the following software:

Windows: MediaPlayer

Macintosh: QuickTime Player

\* QuickTime 3.0 or later

### White Balance

Whatever the kind of the light, the human eye adapts to it so that a white object still looks white. On the other hand, devices such as digital cameras see a white subject as white by first adjusting the color balance to suit the color of the ambient light around the subject. This adjustment is called matching the white balance.

### Exif Print

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

# Safety Notes

- Make sure that you use your FinePix F450 camera correctly. Read these Safety Notes and your Owner's Manual carefully before use.
- 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.

	<b>WARNING</b>	This icon indicates that death or serious injury can result if the information is ignored.
	<b>CAUTION</b>	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 tell you that this information requires attention ("important").
- Circular icons with a diagonal bar tell you that the action indicated is prohibited ("Prohibited").
- Filled circles with an exclamation mark tell you an action that must be performed ("Required").

<b>WARNING</b>		
<p><b>If a problem arises, turn the camera off, remove the battery, disconnect and unplug the AC power adapter.</b></p> <p>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.</p> <ul style="list-style-type: none"> <li>● Contact your FUJIFILM dealer.</li> </ul>		Unplug from power socket.
<p><b>Do not allow water or foreign objects to enter the camera.</b></p> <p>If water or foreign objects get inside the camera, turn the camera off, remove the battery and disconnect and unplug the AC power adapter.</p> <p>Continued use of the camera can cause a fire or electric shock.</p> <ul style="list-style-type: none"> <li>● Contact your FUJIFILM dealer.</li> </ul>		
<p><b>Do not use the camera in the bathroom or shower.</b></p> <p>This can cause a fire or electric shock.</p>		Do not use in the bathroom or shower.
<p><b>Never attempt to change or take apart the camera. (Never open the casing.)</b></p> <p><b>Do not use the camera when it has been dropped or the casing is damaged.</b></p> <p>This can cause a fire or electric shock.</p> <ul style="list-style-type: none"> <li>● Contact your FUJIFILM dealer.</li> </ul>		Do not disassemble.
<p><b>Do not change, heat or unduly twist or pull the connection cord and do not place heavy objects on the connection cord.</b></p> <p>These actions could damage the cord and cause a fire or electric shock.</p> <ul style="list-style-type: none"> <li>● If the cord is damaged, contact your FUJIFILM dealer.</li> </ul>		
<p><b>Do not place the camera on an unstable surface.</b></p> <p>This can cause the camera to fall or tip over and cause injury.</p>		
<p><b>Never attempt to take pictures while in motion.</b></p> <p>Do not use the camera while you are walking or driving a vehicle.</p> <p>This can result in you falling down or being involved in a traffic accident.</p>		
<p><b>Do not touch any metal parts of the camera during a thunderstorm.</b></p> <p>This can cause an electric shock due to induced current from the lightning discharge.</p>		
<p><b>Do not use the battery except as specified.</b></p> <p>Load the battery as aligned with the indicator.</p>		

<b>WARNING</b>	
<p><b>Do not heat, change or take apart the battery.</b></p> <p><b>Do not drop or subject the battery to impacts.</b></p> <p><b>Do not store the battery with metallic products.</b></p> <p><b>Do not use chargers other than the specified model to charge the battery.</b></p> <p>Any of these actions can cause the battery to burst or leak and cause fire or injury as a result.</p>	
<p><b>Use only the battery or AC power adapters specified for use with this camera.</b></p> <p><b>Do not use voltages other than the power supply voltage shown.</b></p> <p>The use of other power sources can cause a fire.</p>	
<p><b>If the battery leaks and fluid gets in contact with your eyes, skin or clothing. Flush the affected area with clean water and seek medical attention or call an emergency number right away.</b></p>	
<p><b>Do not use the charger to charge battery other than those specified here.</b></p> <p>The charger is designed for NP-30 Rechargeable Battery. Using the charger to charge conventional battery or other types of rechargeable battery can cause the battery to leak fluid, overheat or burst.</p>	
<p><b>When carrying the NP-30, install it in a digital camera or keep it in the hard case.</b></p> <p><b>When storing the NP-30, place it inside the special hard case provided.</b></p> <p><b>When discarding, cover the battery terminals with insulation tape.</b></p> <p>● Contact with other metallic objects or battery could cause the battery to ignite or burst.</p>	
<p><b>Keep xD-Picture Cards out of the reach of small children.</b></p> <p>Because xD-Picture Cards are small, they can be swallowed by children. Be sure to store xD-Picture Cards out of the reach of small children. If a child swallows an xD-Picture Card, seek medical attention or call an emergency number.</p>	

<b>CAUTION</b>	
<p><b>Do not use this camera in locations affected by oil fumes, steam, humidity or dust.</b></p> <p>This can cause a fire or electric shock.</p>	
<p><b>Do not leave this camera in places subject to extremely high temperatures.</b></p> <p>Do not leave the camera in locations such as a sealed vehicle or in direct sunlight. This can cause a fire.</p>	
<p><b>Keep out of the reach of small children.</b></p> <p>This product could cause injury in the hands of a child.</p>	
<p><b>Do not place heavy objects on the camera.</b></p> <p>This can cause the heavy object to tip over or fall and cause injury.</p>	
<p><b>Do not move the camera while the AC power adapter is still connected. Do not pull on the connection cord to disconnect the AC power adapter.</b></p> <p>This can damage the power cord or cables and cause a fire or electric shock.</p>	
<p><b>Do not use the AC power adapter when the plug is damaged or the plug socket connection is loose.</b></p> <p>This could cause a fire or electric shock.</p>	
<p><b>Do not cover or wrap the camera or the AC power adapter in a cloth or blanket.</b></p> <p>This can cause heat to build up and distort the casing or cause a fire.</p>	
<p><b>When you are cleaning the camera or you do not plan to use the camera for an extended period, remove the battery and disconnect and unplug the AC power adapter.</b></p> <p>Failure to do so can cause a fire or electric shock.</p>	
<p><b>When charging ends, unplug the charger from the power socket.</b></p> <p>Leaving the charger plugged into the power socket can cause a fire.</p>	
<p><b>Using a flash too close to a person's eyes may temporarily affect their eyesight.</b></p> <p>Take particular care when taking pictures of children or animals.</p>	
<p><b>When an xD-Picture Card is removed, the card could come out of the slot too quickly. Use your finger to hold it and gently release the card.</b></p>	
<p><b>Request regular internal testing and cleaning for your camera.</b></p> <p>Build-up of dust in your camera can cause a fire or electric shock.</p> <ul style="list-style-type: none"> <li>● Contact your FUJIFILM dealer to request internal cleaning every 2 years. Please note this is not a free of charge service.</li> </ul>	



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