

FUJIFILM

DIGITAL CAMERA

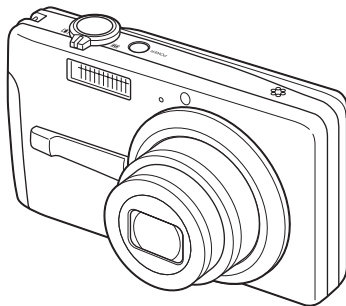
FinePix F480

DIGITAL CAMERA

FinePix F485

OWNER'S MANUAL

This manual will show you how to use your FUJIFILM DIGITAL CAMERA FinePix F480 / FinePix F485 correctly. Please follow the instructions carefully.



digital
Tools for the Imagination.

Exif Print

xD
xD-Picture Card™

SD
HC

PictBridge



Getting Ready

Using the Camera

Advanced Features • Photography

• Playback

• Movie

Settings

Camera Connection

Software
Installation

Appendices

Troubleshooting

BL00641-200(1) **E**

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 (separate note "Notes and Cautions") and make sure you understand them before using the camera.

**Perchlorate Material-special handling may apply,
See <http://www.dtsc.ca.gov/hazardouswaste/perchlorate>.**

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- (c) "Documentation" means the operation manuals of Software and other related written materials which are provided to you together with Media.
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12. Governing Law.

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

EC Declaration of Conformity

We

Name: FUJIFILM Europe GmbH
Address: Heesenstrasse 31
40549 Dusseldorf, Germany

declare that the product

Product Name: FUJIFILM DIGITAL CAMERA FinePix F480 / FinePix F485
Manufacturer's Name: FUJIFILM Corporation
Manufacturer's Address: 7-3, AKASAKA 9-CHOME, MINATO-KU,
TOKYO 107-0052, JAPAN

conforms to the following Standards:

Safety: EN60065: 2002
EMC: EN55022: 2006 Classe B
EN55024: 1998 + A1: 2001 + A2: 2003
EN61000-3-2: 2000 + A2: 2003

following the provision of the EMC Directive (2004/108/EC) and Low Voltage Directive (2006/95/EC).



Dusseldorf, Germany

August 1, 2007

Place

Date

Signature/Managing Director



This product comes with batteries. When these are empty, you shouldn't throw them away but deliver them as domestic chemical refuse.

Disposal of Electric and Electronic Equipment in Private Households

Disposal of used Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)



This symbol on the product, or in the manual and in the warranty, and/or on its packaging indicates that this product shall not be treated as household waste.

Instead it should be taken to an applicable collection point for the recycling of electrical and electronic equipment.

By ensuring this product is disposed of correctly, you will help prevent potential negative consequences to the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.

If your equipment contains easy removable batteries or accumulators please dispose these separately according to your local requirements.

The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you have purchased the product.

In Countries outside the EU:

If you wish to discard this product, please contact your local authorities and ask for the correct way of disposal.

Contents

Warning.....	2
IMPORTANT	3
EC Declaration of Conformity.....	4
Disposal of Electric and Electronic Equipment in Private Households	5
Contents.....	6
About this Manual	8
Accessories Included	9
Camera Parts and Features.....	10
Example of LCD Monitor Text Display	11

Getting Ready

Charging the Battery	12
Loading the Battery	14
Loading the Memory Card.....	16
Turning On and Off	19
Setting the language, date, and time	20
Correcting the Date and Time.....	23
Selecting the Language	24

Using the Camera

Taking Pictures (AUTO Mode).....	25
Taking pictures with the focus and exposure locked.....	29
Adjusting the shot composition	31
Viewing the Images.....	32
🗑 Erasing the Images/Movies	36
Using the erase button (🗑/▲).....	36
Erasing the images using [PLAYBACK MENU].....	36

Advanced Features — Photography

Using the Photography Functions — Procedure of Setting	39
Setting the Shooting Mode	41
Shooting Mode	43
🌸 Macro (Close-up).....	48
⚡ Setting the Flash.....	49
⌚ Self-Timer	51
☀ Increasing Monitor Brightness	53
Using [SHOOTING MENU]	54
Setting the [SHOOTING MENU]	54
[SHOOTING MENU].....	57
Changing the sensitivity setting ([ISO])	57
Changing the quality setting ([QUALITY])	57
Adjusting exposure compensation ([EXP. COMPENSATION])	59
Adjusting color balance ([WHITE BALANCE])	60
Taking pictures continuously ([CONTINUOUS]).....	61

Advanced Features — Playback

Using [PLAYBACK MENU].....	62
Setting the [PLAYBACK MENU]	62
[PLAYBACK MENU]	63
Setting automatic playback ([SLIDE SHOW]).....	63
DPOF set frame ([PRINT ORDER (DPOF)])	63

Protecting the images ([] PROTECT).....	67
Copying the images ([] COPY).....	68
Rotating the images ([] IMAGE ROTATE).....	71
Trimming the images ([] TRIMMING).....	72

Advanced Features — Movie

Recording Movies.....	74
Set the camera to Movie mode.....	74
Record movies.....	75
Playing Back Movies.....	76

Settings

[] SET-UP].....	78
Using the [SET-UP] menu.....	78
[SET-UP] menu option.....	79

Camera Connection

Connecting to a TV.....	87
Connecting Camera Directly to Printer — PictBridge Function.....	88

Software Installation

Installation on a Windows PC.....	92
Installation on a Mac OS X.....	94
Connecting to a PC.....	97
Using FinePixViewer.....	100

Appendices

System Expansion Option.....	102
Accessories Guide.....	103
Using Your Camera Correctly.....	105
Notes on the xD-Picture Card™ , the SD Memory Card and the Internal Memory.....	106
Warning Displays.....	107

Troubleshooting

Troubleshooting.....	111
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Specifications.....	117
Explanation of Terms.....	124
FUJIFILM Digital Camera Worldwide Network.....	125

Usable Memory Cards

You can use the **xD-Picture Card**, the SD Memory Card and the SDHC Memory Card with the FinePix F480 / FinePix F485. In this Owner's Manual, these cards are expressed as "Memory Card".

About this Manual

■ About marks

! CAUTION

This mark denotes issues that may affect the camera's operation.

✓ CHECK

This mark denotes points to notice in the camera's operation.

📄 MEMO

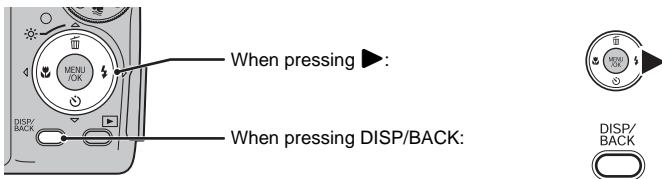
This mark denotes additional topics that complement the basic operating procedures.

■ Usable Memory Cards

You can use the **xD-Picture Card**, the SD Memory Card and the SDHC Memory Card with the FinePix F480 / FinePix F485. In this Owner's Manual, these cards are expressed as "Memory Card".

■ About illustration

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 ▶.



■ About cables

The cables used for FinePix F480 / FinePix F485 are following:

- A/V cable for FinePix F480 / FinePix F485
- USB cable for FinePix F480 / FinePix F485

In this manual, these cables are expressed as "A/V cable" and "USB cable".

■ Note

In this manual, the menu names and messages displayed on the LCD monitor of the camera or PC screen appear in square brackets ([]).

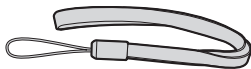
Accessories Included

Make sure that all the below accessories are included.
Note that accessories may vary depending on model.

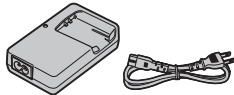
- Rechargeable Battery NP-40N (1)



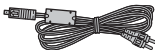
- Strap (1)



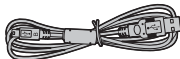
- Battery Charger BC-40N (1 set)



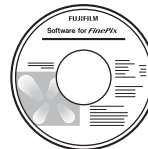
- A/V cable (1)



- USB cable (1)



- CD-ROM (1)
Software for FinePix



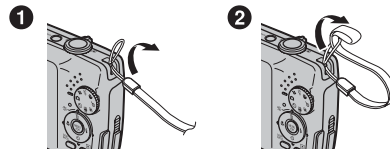
- Owner's Manual (this manual) (1)

- Notes and Cautions (1)

Attaching the strap

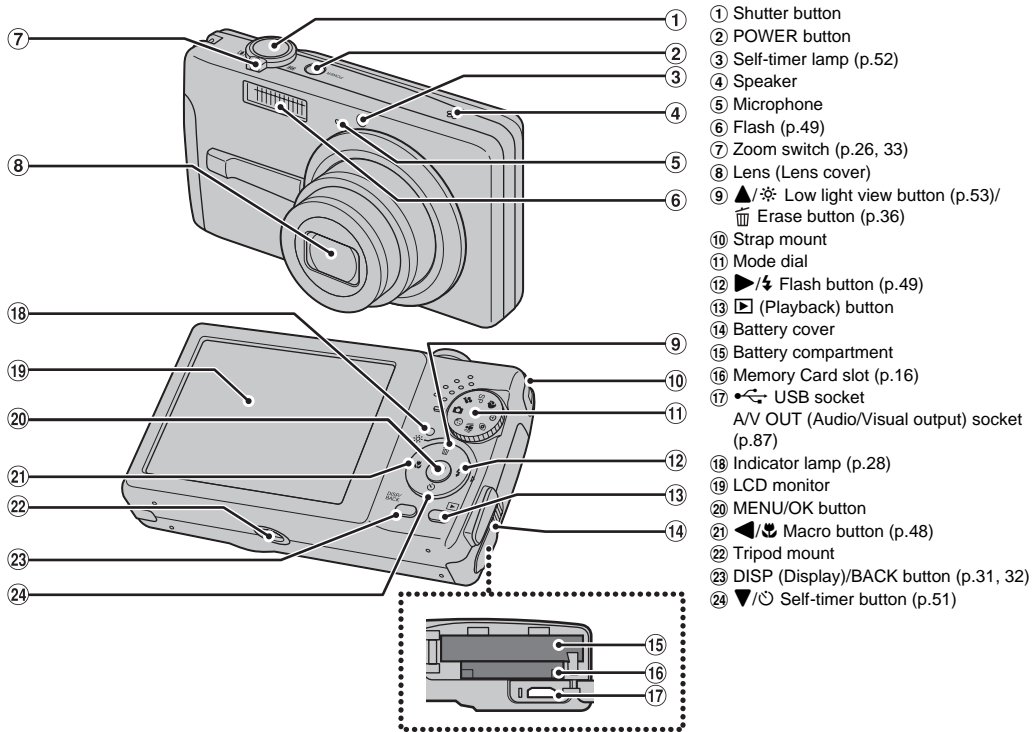
Attach the strap as shown in 1 and 2.

When attaching the strap, move the fastener to adjust the length and slightly away from the end of the strap, as shown in figure 1.



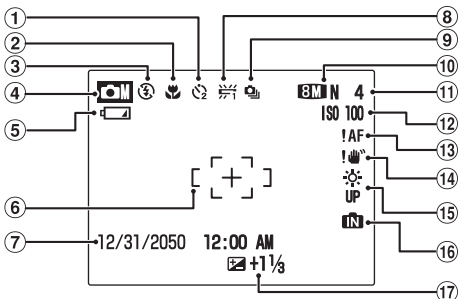
Camera Parts and Features

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



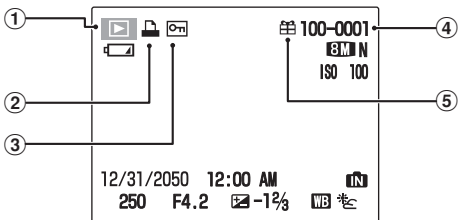
Example of LCD Monitor Text Display

Photography mode




- ① Self-timer (p.51)
- ② Macro (close-up) (p.48)
- ③ Flash (p.49)
- ④ Photography mode (p.41)
- ⑤ Battery level indicator (p.22)
- ⑥ AF frame (p.26)
- ⑦ Date/Time (p.20)
- ⑧ White balance (p.60)
- ⑨ Continuous shooting (p.61)
- ⑩ BMN Quality mode (p.57)
- ⑪ Number of available frames (p.122)
- ⑫ ISO 100 Sensitivity (p.57)
- ⑬ AF warning (p.107)
- ⑭ Camera shake warning (p.107)
- ⑮ Increasing monitor brightness (p.53)
- ⑯ Internal memory (p.18)
- ⑰ Exposure compensation (p.59)

Playback mode



- ① Playback mode (p.32)
- ② DPOF (p.63)
- ③ Protection (p.67)
- ④ Frame number (p.81)
- ⑤ Present (p.32)

FinePix F480 / FinePix F485 has internal memory that can store images without Memory Card.  appears on the LCD monitor when the internal memory is active.

Charging the Battery

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

Compatible battery

Rechargeable Battery NP-40N (1)

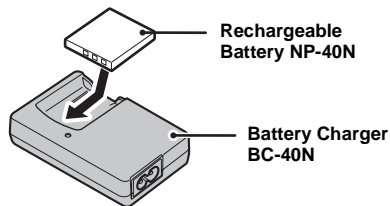


CAUTION

- 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.
- Any contact between the battery terminals could cause the battery to short circuit and overheat.
- See "Notes and Cautions" for information on the battery.
- Always use the Rechargeable Battery NP-40N (included). The use of other brands of rechargeable battery could cause faults or damage to the camera.
- Do not split or peel outer labels of the battery.

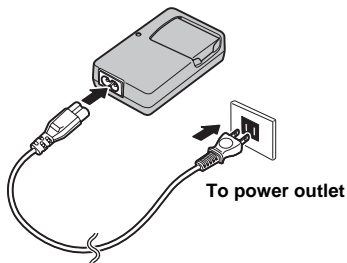
1 Load the battery into the battery charger BC-40N.

Set the battery correctly as indicated by the polarity icon.



2 Plug the battery charger into a power outlet.

The charging indicator lights orange and charging begins. When charging is completed, the indicator turns off. Charging completes after about 2 hours.



■ <Charging Indicator and Statuses>

Charging Indicator	Status	Action
Off	Battery not loaded	Load the battery to be charged.
Off	Fully charged (charging complete)	Remove the battery from the battery charger.
Lit orange	Charging	—
Blinking orange	Battery fault during charging	Unplug the battery charger and remove the battery from the battery charger.

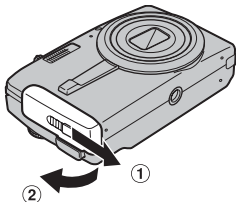
! CAUTION

- Unplug the battery charger from the power outlet when it is not in use.
- If the terminals of battery are soiled, it may not be possible to charge it. Clean the battery terminals and battery charger terminals with a clean, dry cloth.
- Charging times increase at low temperatures.
- The NP-40N gradually loses its charge even when not used. Charge a NP-40N just before taking pictures (in the last day or two).

Loading the Battery

Battery is required to operate the digital camera. At first, load the battery in the camera.

1 Open the battery cover.



✓ CHECK

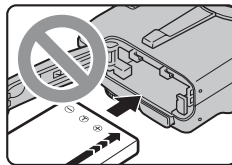
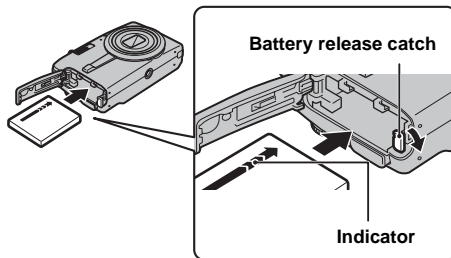
Check that the camera is turned off before opening the battery cover.

! CAUTION

- Do not open the battery cover while the camera is on. This could damage the Memory Card or ruin the image files on the Memory Card.
- Do not apply force to the battery cover.

2 Load the battery.

Make sure that the indicators are aligned. Push the battery release catch aside while loading the battery. Check that the battery is firmly held in place.

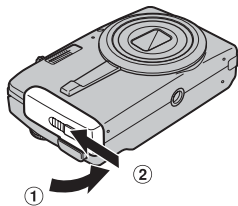


! CAUTION

Load the battery in the correct direction.

Continued ➔

3 Close the battery cover.



MEMO

If you want to use the camera powered by AC, the AC power adapter, AC-5VX, and DC coupler, CP-40N (both sold separately), are necessary. Refer to the manual provided with the AC-5VX and CP-40N for instructions.

Loading the Memory Card

Although you can store pictures in the camera's internal memory, you can store many more images on the Memory Card (sold separately). You can use the **xD-Picture Card** and the SD Memory Card with the FinePix F480 / FinePix F485. In this Owner's Manual, these cards are expressed as "Memory Card".

SD Memory Cards/SDHC Memory Cards

They are operation-checked at FUJIFILM Corporation.
Maker: SanDisk

MEMO

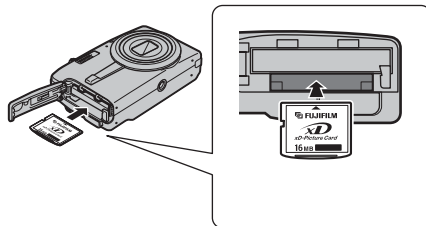
- Compatible Memory Cards will be updated in our website:
http://www.fujifilm.com/products/digital_cameras/index.html
- Depending on the SD Memory Card, recording of movies may be interrupted.
Use of above mentioned SD Memory Cards are recommended.
- The camera is not compatible with multimedia cards.

1 Open the battery cover.

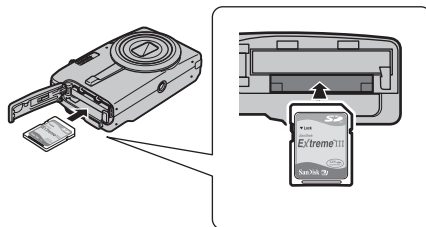


2 Insert a Memory Card.

(xD-Picture Card)

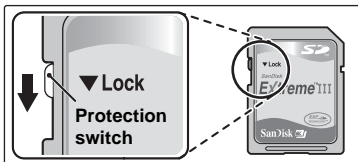


(SD Memory Card)

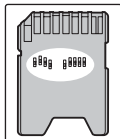
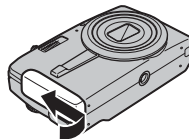
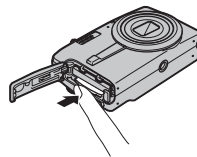


! CAUTION

Be sure to unlock the protection of the SD Memory Card before inserting it. If it is locked, recording/deleting images, as well as formatting are not available. To unlock the protection, slide the switch back, and the SD Memory Card will work normally.

**! CAUTION**

- A new SD Memory Card or a card previously used on a PC or any device other than the camera should be formatted (→p.84) on the camera before use.
- Do not use a miniSD adaptor or a microSD adaptor which have exposed contact areas on the back. Use of these adaptors may cause a malfunction or damage due to the improper contacts.

**3 Close the battery cover.****How to replace the Memory Card**

Push the Memory Card into the slot and then slowly remove your finger. The lock is released and the Memory Card is pushed out.

Continued ➔

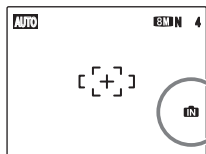
! CAUTION

- When storing Memory Cards, make sure that they are kept out of the reach of children. A Memory Card could be swallowed and cause suffocation. If a child swallows a Memory Card, seek medical attention or call emergency number right away.
- If the Memory Card is oriented incorrectly, it will not go all the way into the slot. Do not apply force when inserting a Memory Card.
- Note that the Memory Card may spring out if you release your finger quickly from the card immediately after the lock is released.
- Operation of this camera is only guaranteed when it is used with FUJIFILM **xD-Picture Card** and operation-checked SD Memory Card (→p.16).
- See p.106 for information on the **xD-Picture Card**, SD Memory Card and the internal memory.

MEMO

- The size of an image file varies depending on the subject. For this reason, the number recorded may not represent the actual number of frames.
- See p.122 for information on the standard number of available frames.

■ About internal memory



FinePix F480 / FinePix F485 has internal memory that can store images without Memory Card. **iM** appears on the LCD monitor when internal memory is active.

When a Memory Card (sold separately) is inserted

[Record images]: Record images to a Memory Card.
[Playback images]: Playback images in a Memory Card.

When a Memory Card (sold separately) is not inserted

[Record images]: Record images to internal memory.
[Playback images]: Playback images in internal memory.

■ About images in the internal memory

Images held in the camera's internal memory may be corrupted or erased due to problems such as camera faults. Save your important data to another media (i.e., DVD-R, CD-R, CD-RW, hard disk, etc.). It is possible to transfer saved images on the internal memory to a Memory Card (→p.68).

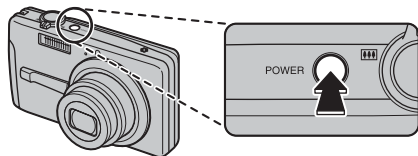
! CAUTION

Erase the unnecessary images in the internal memory.
(→p.36)

Turning On and Off

Turning the camera on in Photography mode

Press **POWER** down fully to turn the camera on.
Press **POWER** again to turn the camera off.



MEMO **Changes between Photography mode and Playback mode**

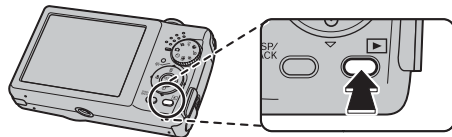
Press **▶** during shooting to change to Playback mode.
Press the shutter button down halfway to return to Photography mode.

CAUTION

- The lens moves and the lens cover opens when turning the camera on in Photography mode. Take care not to obstruct the lens.
- Take care not to get fingerprints on the camera lens as this will result in impaired image quality in your shots.

Turning the camera on in Playback mode

Press **▶** for about 1 second to turn the camera on in Playback mode.
Press **▶** during playback to turn the camera off.



MEMO

To change to Photography mode, press the shutter button down halfway.

Setting the language, date, and time

When using the camera for the first time after purchasing, the language, date, and time are cleared. Set the language, date, and time.

1 [言語/LANG.] screen appears when turning the camera on.

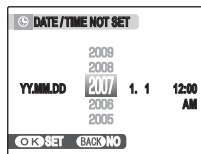


- ① Press ▲, ▼, ◀, or ▶ to select the language.



- ② Press MENU/OK to confirm the setting.

2 Set the date and time.



- ① Press ◀ or ▶ to select Year, Month, Day, Hour, or Minute.



- ② Press ▲ or ▼ to correct the setting.



MEMO

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

Continued ➔

3 Change the date format.



- ① Press ◀ or ▶ to select the date format.



- ② Press ▲ or ▼ to set the format.



- ③ Always press MENU/OK after the settings are completed.

Date format

ex. December 1, 2007

[YY.MM.DD]: [2007.12.1]


[MM/DD/YY]: [12/1/2007]

[DD.MM.YY]: [1.12.2007]

MEMO

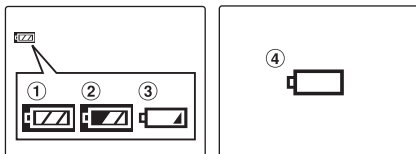
START MENU screen also appears when the batteries have been removed and the camera has been left for a long period. Once the AC power adapter has been connected or the batteries have been installed for 30 minutes or more, the camera settings will be retained for roughly 2 hours even if both sources of power are removed.

Auto power off function

When the Auto power off function is active, if the camera is left unused for 2 or 5 minutes, this function turns the camera off (→p.85). To turn the camera back on, press POWER. To play back images, hold down  for about 1 second.







Checking the battery charge

Turn the camera on and check the battery level indicator on the LCD monitor.



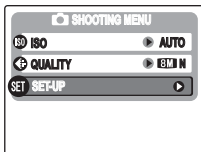
- ① There is ample battery charge. (Lit white)
- ② The battery is almost half charged. (Lit white)
- ③ There is insufficient charge left in the battery. The battery will soon run out. Have a charged battery ready. (Lit red)
- ④ The battery is depleted. The display will shortly go blank and the camera will stop working. Replace the battery. (Blinking red)

! CAUTION

- Due to the nature of the battery, the battery level indicator ( ,  , or ) may appear early when the camera is used in cold locations. Try warming the battery in your pocket or a similar location before use.
- 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 fully charged battery.
- Depending on the camera mode, the transition from  to  may occur more quickly.

Correcting the Date and Time

1 Open the [SET-UP] menu.



① Press MENU/OK to open the menu.



② Press ▲ or ▼ to select [SET-UP].



③ Press ►.

2 Display the [DATE/TIME] screen.



① Press ◀ or ▶ to select [1].



② Press ▼ to move to menu item.



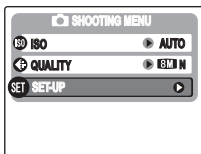
③ Press ▲ or ▼ to select [DATE/TIME].



④ Press ►.
See "2 Set the date and time." (→p.20).

Selecting the Language

1 Open the [SET-UP] menu.



① Press MENU/OK to open the menu.

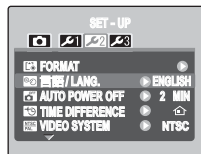


② Press ▲ or ▼ to select [SET-UP].



③ Press ►.

2 Display the [言語/LANG.] screen.



① Press ◀ or ▶ to select 2.



② Press ▼ to move to menu item.



③ Press ▲ or ▼ to select [言語/LANG.].



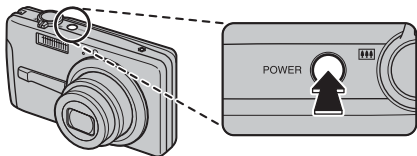
④ Press ►.
See "1 [言語/LANG.] screen appears when turning the camera on." (→p.20).

Taking Pictures (AUTO Mode)

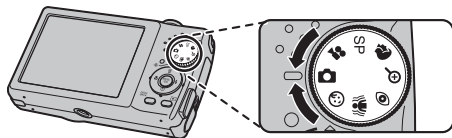
This section describes the basic operations.

1 Turn the camera on.

- ① Press POWER down fully to turn the camera on.



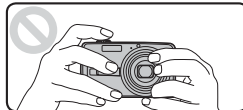
- ② Set the Mode dial to .



Holding the camera correctly



Brace your elbows against your sides and hold the camera with both hands.



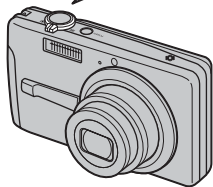
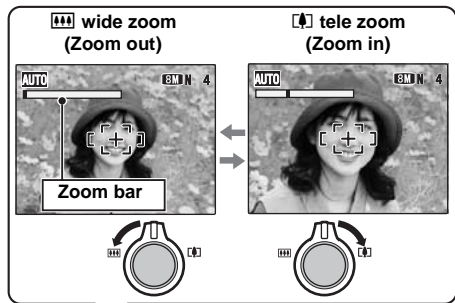
Do not cover the lens or flash with your fingers.

! CAUTION

- Moving the camera while shooting gives a blurred picture (camera shake). Hold the camera steadily with both hands.
- If the lens or flash is obscured by your fingers or the strap, subjects may be out of focus or the brightness (exposure) of your shot may be incorrect.

Continued ➔

2 Check the composition on the LCD monitor. To adjust zoom scale using the Zoom switch:

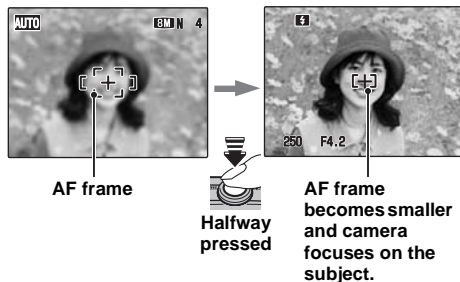


- **Focal range**
Approx. 40 cm (1.3 ft.) to infinity
- **Optical zoom focal length (35 mm camera equivalent)**
Approx. 28 mm to 112 mm
- **Max. zoom scale**
4x

MEMO

- Select Macro mode to take close-up shots (→p.48).
- Use digital zoom when you want to shoot the subject closer (→p.43, 82).

3 Focus on the main subject in the AF frame and press the shutter button down halfway.



CHECK

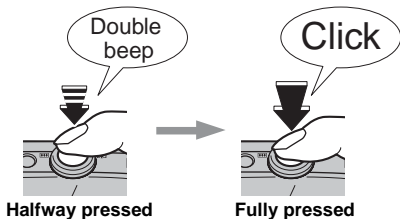
- **Focus on the subject**
Double beep is heard
Indicator lamp lit green
- **Not focus on the subject**
No sound
!AF indicated
Indicator lamp blinking green

MEMO

The shutter button has a halfway point at which focus and exposure are automatically optimized before taking the picture by pressing fully down.

! CAUTION

When pressing the shutter button halfway, a lens operation sound may be heard.

4 Press the shutter button fully.

Halfway pressed

Fully pressed

! CAUTION

When taking a picture using the flash, the image may disappear and go dark briefly due to flash charging. The indicator lamp blinks orange during charging.

MEMO

- When the subject is not in the AF frame, use AF/AE lock to take the picture (→p.29).
- When pressing the shutter button down fully in one motion, the camera takes the picture without the AF frame changing.

Flash

When pressing the shutter button down halfway, **F** appears on the LCD monitor before the flash fires.

Change the flash mode when you want to take pictures without flash. See p.49 for information on flash.

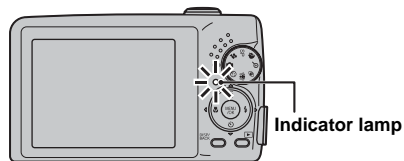
! CAUTION

- 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.32).
- When selecting a slow shutter speed that will cause camera shake, **!** appears on the LCD monitor. Use flash or a tripod.
- See p.107-110 for information on Warning displays. See "Troubleshooting" (→p.111-116) for more information.

Continued ➡

■ Indicator lamp display

The indicator lamp lights or blinks when pressing the shutter button, etc. The indicator lamp shows the camera status.



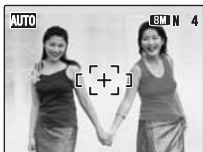
Display	Status
Lit green	Locking the focus
Blinking green	Camera shake warning, AF warning, or AE warning (ready to shoot)
Lit orange	Recording to Memory Card or internal memory (not ready)
Blinking orange	Charging flash (flash will not fire)
Blinking red	<ul style="list-style-type: none"> • Warnings for Memory Card and internal memory Card not formatted, incorrect format, memory full, Memory Card or internal memory error • Lens operation error



MEMO

Detailed warning messages appear on the LCD monitor (→p.107-110).

Taking pictures with the focus and exposure locked



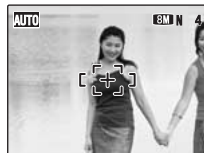
In the above composition, the subjects (two people in this case) are not in the AF frame. Pressing the shutter button halfway at this point will result in the subjects being out of focus.

AF/AE lock is useful:

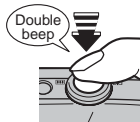
Use AF/AE lock to guarantee best result when shooting a subject that is not suited to autofocusing (→p.30).

Using AF/AE lock

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



- 2 Press the shutter button down halfway to focus on the subject.



Continued ➔

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



Fully pressed



MEMO

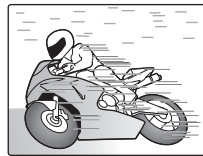
- AF/AE lock can be applied repeatedly before the shutter is released.
- Use AF/AE lock in all Photography modes to guarantee excellent results.
- On FinePix F480 / FinePix F485, pressing the shutter button down halfway locks the focus and exposure settings (AF and AE lock).

Subjects not suitable for autofocus

FinePix F480 / FinePix F485 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



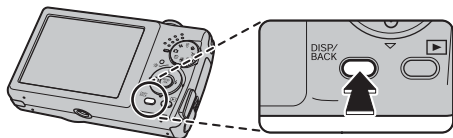
Fast moving subjects

- 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
 - Subjects with little or no contrast between the subject and the background (such as 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.29).

Adjusting the shot composition

Select the LCD monitor display.

Press DISP/BACK to change the LCD monitor display.



Text displayed

No text displayed



Framing guideline displayed

Best framing

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.




MEMO

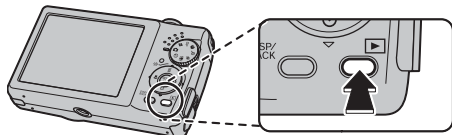
Always use AF/AE lock when composing a shot. The image may be out of focus if AF/AE lock is not used.


Viewing the Images

Play back your images to check them. For important photographs, always take a test shot and view the image to make sure that the camera is working normally.



Setting the camera to Playback mode

Press  during shooting to change to Playback mode.



When the camera is off, press  for about 1 second to turn the camera on in Playback mode.

MEMO

- When pressing , the last image shot appears on the LCD monitor.
- When playing back images shot with a camera other than FinePix F480 / FinePix F485,  a present icon appears on the LCD monitor.

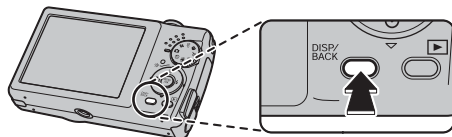
CAUTION

Still images viewable on FinePix F480 / FinePix F485

This camera will display still images recorded on FinePix F480 / FinePix F485 or still images (excluding some uncompressed images) recorded on any FUJIFILM digital camera that supports **xD-Picture Cards** or SD Memory Cards. Clear playback or playback zooming may not be possible for still images shot on cameras other than FinePix F480 / FinePix F485.

Select the LCD monitor display.

Press DISP/BACK during Playback mode to change the LCD monitor display.



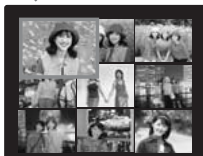
Text displayed



No text displayed



Sorting by date



Multi-frame playback

Single-frame playback



To select the required image:

Press ◀: last image

Press ▶: next image

Selecting images



To select images on the thumbnail lists screen, hold down ◀ or ▶ for 1 second during playback. When releasing ◀ or ▶, camera returns to single-frame playback.

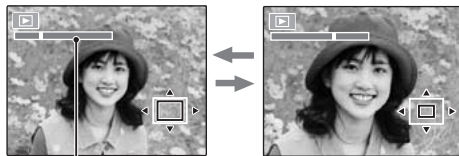
Playback zoom

1 Zoom in / Zoom out.

To zoom in an image during single-frame playback:

wide zoom
(Zoom out)

tele zoom
(Zoom in)



Zoom bar



Move the zoom switch to [] or [] to zoom in or out of an image.

Continued ➔

2 Display another part of the image.



Navigation screen
(Current displayed
image)



Press ▲, ▼, ◀, or ▶ to display another part of the image.

Zoom scales

Quality mode	Max. zoom scale
8M (3264 x 2448 pixels)	Approx. 5.1x
3:2 (3264 x 2176 pixels)	Approx. 5.1x
4M (2304 x 1728 pixels)	Approx. 3.6x
2M (1600 x 1200 pixels)	Approx. 2.5x

MEMO

Pressing DISP/BACK cancels playback zoom.

Multi-frame playback

Multi-frame playback screen (9 frames) appears on the LCD monitor. Select required frame from the 9 frames.



- Press ▲, ▼, ◀, or ▶ to move the cursor (colored frame) to the selecting frame. Press ▲ or ▼ repeatedly to jump to the next page.



- Press MENU/OK to enlarge the image.

Sorting by date

In sorting by date mode, you can view all images taken on the same day.



- 1 Press ▲, ▼, ◀, or ▶ to move the cursor (colored frame) to the selecting frame.



- 2 Press MENU/OK to enlarge the image.

Selecting the date



- 1 Press ▲, ▼, ◀, or ▶ to move the cursor (colored frame) to ◀ on the upper left frame.



- 2 Press ◀ to display the selecting date.



- 3 Press ▲ or ▼ to move the cursor (colored frame) to select the date. Press ▲ or ▼ repeatedly to jump to the next page.



- 4 Press ▶.



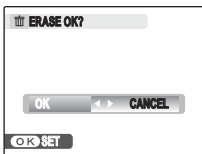
Erasing the Images/Movies

Setting the camera to Playback mode (→p.32)

Use this mode to erase unnecessary images or movies to have ample free space on the Memory Card or internal memory. Your camera calls images "frames".

Using the erase button (/▲)

Pressing (▲) erases images easily.



① Press ◀ or ▶ to select the erasing image.



② Press (▲).



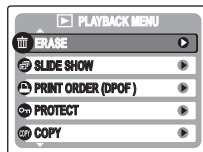
③ Press ◀ or ▶ to select [OK].



④ Press MENU/OK to erase the displayed image.



Erasing the images using [PLAYBACK MENU]



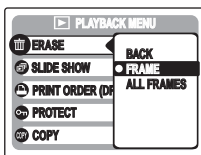
① Press MENU/OK to open the [PLAYBACK MENU].



② Press ▲ or ▼ to select [ERASE].



③ Press ▶.

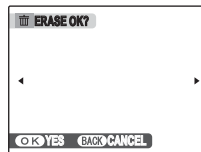


- ④ Press ▲ or ▼ to select [FRAME] or [ALL FRAMES].



- ⑤ Press MENU/OK to confirm the setting.

Erasing one frame at a time ([FRAME])



- ① Press ◀ or ▶ to select the erasing frame (file).



- ② Press MENU/OK to erase the currently displayed frame (file).



MEMO

To erase another frame (file), repeat above steps. When erasing frames (files) is completed, press DISP/BACK.



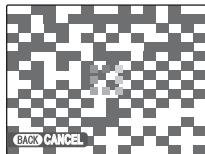
CAUTION

Pressing MENU/OK repeatedly erases consecutive frames (files). Take care not to erase a frame (file) by mistake.

Continued ➔

Erasing all frames ([ALL FRAMES])

Press MENU/OK to erase all the frames (files).

 **MEMO**

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

 **MEMO**

- When using a Memory Card, the images in the Memory Card are erased. When not using a Memory Card, the images in the internal memory are erased.
- Selecting BACK returns to single-frame playback without erasing any frames (files).
- Protected frames (files) cannot be erased. Unprotect the frames (files) before erasing them (→p.67).
- If [DPOF SPECIFIED. ERASE OK?] or [DPOF SPECIFIED. ERASE ALL OK?] appears, press MENU/OK again to erase the frames (files).

 **CAUTION**

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

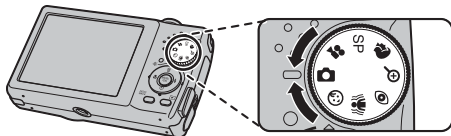
Using the Photography Functions — Procedure of Setting

Specify the camera settings for taking pictures to get the best result. A general guide is given below.

















1 Select the Photography mode.

Set the Photography mode.

The camera settings are tailored to the scene being shot.






Set the photography mode using the mode dial. See p.41 for information on setting shooting mode.

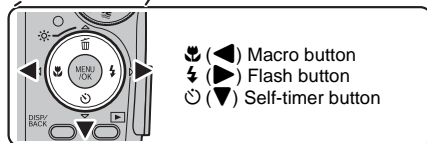
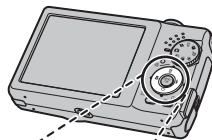
AUTO	This is the easiest mode for taking pictures (→p.43).
 /  /  / 	Select the best Shooting mode for the scene being shot (→p.43-44).
SP  /  /  /  /  /  /  /  /  /  /  / 	Select the best shooting mode for the scene being shot from [SCENE POSITION] in the [SHOOTING MENU] (→p.44-47).




2 Specify the photography settings.

Pressing buttons or selecting menu allows you to specify photography functions. You can obtain the best result for shooting.

■ Specifying functions using buttons

 Macro	Used for close-up shots (→p.48).
 Flash	Used for shots in dark locations or for backlit subjects, etc. (→p.49).
 Self-timer	Used in situations such as group shots where the photographer is included in the shot (→p.51).

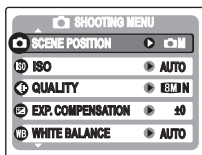
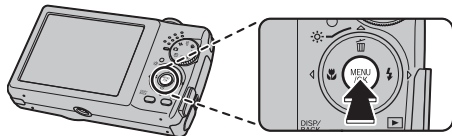


-  Macro button
-  Flash button
-  Self-timer button

Continued →

■ Specifying functions using [SHOOTING MENU]
(MENU/OK button)

[ISO] ISO]	Use to specify required sensitivity setting (→p.57).
[QUALITY]	Use to specify required image size (→p.57).
[EXP. COMPENSATION]	Use this setting to obtain the correct exposure (only (→p.59).
[WHITE BALANCE]	Use to adjust the color tone (only (→p.60).





② Press MENU/OK to open the menu.



③ Press ▲ or ▼ to select [SCENE POSITION].



④ Press ►.



⑤ Press ▲ or ▼ to select the setting.



⑥ Press MENU/OK to confirm the setting.

Shooting Mode

Setting the mode (→p.41)

This section describes the available shooting modes. Note that the availability of a shooting mode and its setting method may vary depending on the mode you wish to use. (→p.41)

[AUTO]

This is the easiest mode for providing crisp and clear shots.

Use this mode for ordinary photography. Camera specifies [Ⓜ EXP. COMPENSATION] and [Ⓜ WHITE BALANCE] settings automatically.

[👶 BABY MODE]

This function is suitable for taking pictures of young children. This mode Ⓜ suppresses the flash so that you can take their picture with a natural ambience.

✓ CHECK

Flash cannot be used in the Baby mode.

[📷 PICTURE STABILIZATION]

This function is suitable for taking a pictures of moving subjects such as children or pets. Use this mode to select a fast shutter speed that reduces camera shake and moving-subject blurring.

[👁️ RED EYE REDUCTION]

This mode is suitable for shooting portraits in low-light conditions. Use this mode to minimize red-eye (eyes appear in red in the finished photo).



! CAUTION

Flash fires automatically. Do not use this mode at situations where the flash cannot be used.

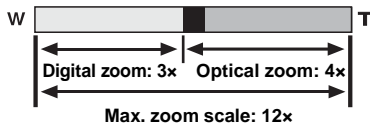
📝 MEMO

When using the flash to take a picture of people in low-light conditions, eyes may sometimes appear red in the picture. This is caused by the light of the flash reflecting off the inside of the eye.

[🔍 DIGITAL ZOOM]

Using this mode allows you to enlarge your subject automatically 3x and to shoot an enlarged image quickly. Further zoom is available by adjusting the zoom switch to activate optical zoom.

■ Zoom bar display



Continued →

! CAUTION

- Using the **Q** DIGITAL ZOOM allows you to enlarge your subject and shoot it. However, it will lower your image quality. Set the **Q** DIGITAL ZOOM when requiring it.
- When using **Q** DIGITAL ZOOM, an increasing 'speckling' effect might be observed in the LCD monitor.
- Q** DIGITAL ZOOM is different from [**C** DIGITAL ZOOM] (→p.82) selected in [**S** SET-UP] menu. With **Q** DIGITAL ZOOM, optical zoom adjustment is available but digital zoom adjustment is not available.

[P] PORTRAIT

Use this mode for photography to get beautiful skin tones and soft overall tone.

**[L] LANDSCAPE**

Use this mode for shooting scenery in daylight and provides crisp, clear shots of scenery such as buildings and mountains.

**✓ CHECK**

Flash cannot be used in the Landscape mode.

[S] SPORT

Use this mode to take pictures of a moving subject. It gives priority to faster shutter speeds.

**[N] NIGHT**

Use this mode for shooting evening and night scenes.

A picture is taken with a slow shutter of up to 3 seconds.

**✓ CHECK**

Use a tripod to prevent camera shake, because a picture is taken with a slow shutter.

[👁️ NATURAL LIGHT]

This mode produces beautiful images that retain the natural ambience when shots are taken in low-light conditions.

This mode is also ideal for shooting indoor or situations where the flash cannot be used.



Camera sets the high-sensitivity setting when selecting the Natural light mode. This mode is effective for reducing camera shake and moving-subject blurring when taking pictures in low-light conditions.

☑️ CHECK

Flash cannot be used in the Natural light mode.

[🏖️ BEACH]

Use this mode to prevent darkening images and provide crisp, clear shots, when shooting at beach under strong sunlight.

**[❄️ SNOW]**

Use this mode to prevent darkening images and provide crisp, clear shots, when shooting at snowy scene where the whole screen appears white.

**[💣 FIREWORKS]**

Use this mode to shoot fireworks.

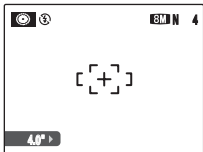
It is effective for taking more vivid shots of fireworks with a slow shutter.

**☑️ CHECK**

- Flash cannot be used in the Fireworks mode.
- Shutter speed setting: 1/2 sec. to 4 sec.
- Use a tripod to prevent camera shake in the Fireworks mode.

Continued ➔

■ Selecting the exposure time setting



Press ◀ or ▶ to select the exposure time.

[🌅 SUNSET]

Use this mode to shoot sunset, making the colors more vivid.



[* FLOWER]

Use this mode to take clear close-up shots when zooming up a flower. It is effective for taking more vivid shots of flower petal.



✓ CHECK

- Flash cannot be used in the Flower mode.
- Focal range
 - Wide angle:
Approx. 5 cm to 2 m (1.9 in. to 6.6 ft.)
 - Telephoto:
Approx. 30 cm to 2 m (11.8 in. to 6.6 ft.)

[PARTY]

Use this mode for shooting at indoor wedding and party.

This mode produces beautiful images that retain the natural ambience when shots are taken in low-light conditions.

**[MUSEUM]**

Use this mode for taking pictures in places such as museum where the use of flash and making an operation sound and a shutter sound are restricted.

Flash mode is forcibly set to Suppressed flash and operation sound, shutter sound and the self-timer lamp are off.

**MEMO**

Check whether photography is permitted before using this mode.

[TEXT]

Use this mode to shoot documents and white board.

It is effective for taking clearer shots of letters.

**CHECK**

Focal range

Wide angle:

Approx. 5 cm to 2 m (1.9 in. to 6.6 ft.)

Telephoto:

Approx. 30 cm to 2 m (11.8 in. to 6.6 ft.)

[MANUAL]







Set the Photography functions to manual to easily control yourself.


Photography functions:


- [EXP. COMPENSATION] (→p.59)
- [WHITE BALANCE] (→p.60)

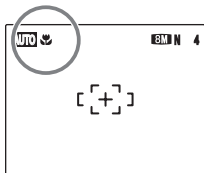
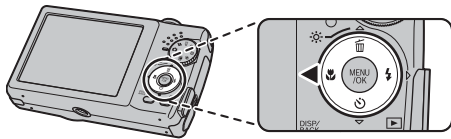
Macro (Close-up)


Use this mode to take close-up shots.

Available Photography modes: , AUTO, , , , ,  (→p.43, 45, 46, 47)

Press  (◀) to select Macro mode.

Press  (◀) again to cancel Macro mode.






 appears on the LCD monitor indicating that you can take close-up shots.

CHECK

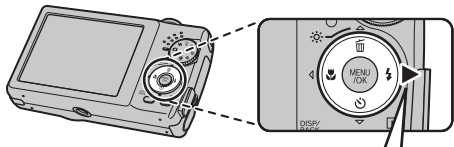
- Focal range
 - Wide angle:
Approx. 5 cm to 80 cm (1.9 in. to 2.6 ft.)
 - Telephoto:
Approx. 30 cm to 80 cm (0.9 ft. to 2.6 ft.)
- Effective flash range
Approx. 50 cm to 80 cm (1.6 ft. to 2.6 ft.)

MEMO

- When setting  or  mode, the camera sets to  Macro mode automatically.
- Use a tripod to prevent camera shake in Macro mode.
- Any of the following cancels Macro mode:
 - Changing the Shooting mode setting
 - Turning the camera off

⚡ Setting the Flash


Flash photography is useful for taking pictures at night or indoor dark locations. Choose from 6 flash modes according to the type of shot. See p.50 for information on the available Photography modes.



AUTO → 👁 → ⚡
SLOW ← ⚡ ← Ⓞ

The flash setting changes each time you press ⚡ (▶).

📄 MEMO

When pressing the shutter button down halfway,  appears on the LCD monitor before the flash fires.

[AUTO AUTO FLASH] (not displayed)

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

[👁 RED EYE REDUCTION]

This mode is suitable for shooting portraits in low-light conditions.
Use this mode to minimize red-eye (eyes appear in red in the finished photo).



📄 MEMO Red-eye effect

When using the flash to take a picture of people in low-light conditions, eyes may sometimes appear red in the picture. This is caused by the light of the flash reflecting off the inside of the eye.

[⚡ FORCED FLASH]



Use this mode in backlit scenes, 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]

This mode is suitable for situations where the flash cannot be used.
Use a tripod to prevent camera shake when shooting in Suppressed flash mode in the dark condition.
Any time, flash does not fire.

Continued ➔

**[S⚡ SLOW SYNCHRO],
[SLOW RED EYE & SLOW]**

This mode allows you to take pictures of people at night that clearly show both your subjects and the night time backdrop. To prevent camera shake, always use a tripod. Using  synchronizes Red-eye reduction mode. Using  selects slow shutter speeds of up to 3 seconds.

! CAUTION

In bright scenes, overexposure may occur.

✓ CHECK

Effective flash range ( : [AUTO])

Wide-angle:


Approx. 50 cm to 4.0 m (1.6 ft. to 13.1 ft.)

Telephoto:

Approx. 50 cm to 2.2 m (1.6 ft. to 7.2 ft.)

























If you take pictures outside of the effective flash range, the image may appear dark even if the flash is used.

! CAUTION Notes on using flash

- If pressing the shutter button while the flash is charging (indicator lamp blinking orange), the picture will be taken without the flash (when using [AUTO] and .
- The flash charging time may increase when the batteries are low on charge.
- When taking a picture using the flash, the image may disappear and go dark briefly due to flash charging. The indicator lamp blinks orange during charging.
- The flash fires several times (pre-flashes and the main flash). Do not move the camera until the picture is taken.

✓ CHECK

List of available flash modes in each Photography mode


	AUTO					
	✓	✓	✓	✓	✓	✓
AUTO	✓	✓	✓	✓		
				✓		
	✓	✓	✓	✓		
		✓				✓
	✓	✓	✓	✓		
	✓	✓	✓	✓	✓	✓
				✓		
	✓		✓	✓		
				✓	✓	✓
				✓		
	✓	✓	✓	✓		
	✓	✓	✓	✓		
				✓		
		✓		✓		
				✓		
		✓				
				✓		
			✓	✓		
			✓	✓		

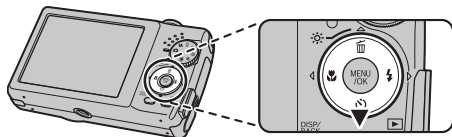
Self-Timer

The self-timer is used in situations where the photographer is included in the shot. When photographer is away from the camera, use a tripod to prevent camera fall.



Available Photography modes: All (→p.43-47)

Setting self-timer

The self-timer setting changes each time you press  (▼).

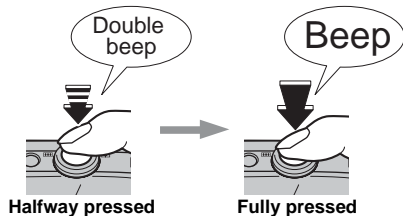


The last displayed setting is the selected mode.

- : The picture is taken after 10 seconds.
- : The picture is taken after 2 seconds.

Taking pictures using self-timer

- 1 Press the shutter button down halfway to focus on the subject and press the shutter button fully.

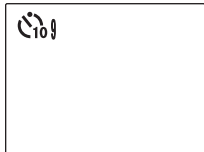
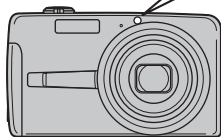
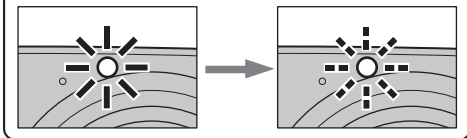


Pressing the shutter button down halfway that focuses on the subject. Without releasing the shutter button, press the button all the way down (fully pressed) to start the self-timer.

Continued ➔

2 Take pictures in selected time.

A picture is taken after the self-timer lamp changes from lit to blinking (only blinks with the 2-second self-timer).



A countdown appears on the LCD monitor indicating the time remaining until the picture is taken.

Using the 2-second self-timer

This is useful when you worry about camera shake even if attaching the camera on a tripod.

MEMO

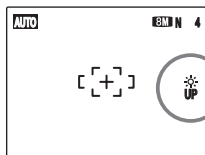
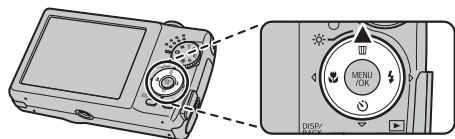
- To stop the self-timer, once it has started running, press DISP/BACK.
- Any of the following cancels the self-timer setting:
 - Completing the shooting
 - Changing the Photography mode setting
 - Setting the camera to Playback mode
 - Turning the camera off
- Take care not to stand in front of the lens when pressing the shutter button as this can prevent the correct focus or brightness (exposure) from being achieved.

☀ Increasing Monitor Brightness

Use this function to increase the brightness of the LCD monitor temporarily when you have difficulty seeing the monitor in low-light conditions or in daylight.

☒ Increasing the LCD monitor brightness

Press ☀ (▲) to display the LCD monitor brightly.
Press ☀ (▲) again to return to normal LCD monitor brightness.



☀ UP blinks on the LCD monitor when the function is on.

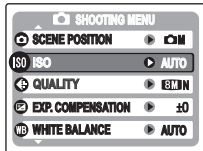
📄 MEMO

- This function is automatically canceled after each shot.
- When this function is active, it will increase the amount of speckling in images on the LCD monitor. This is normal and does not affect the photographed image.
- This function is purely for checking the composition of your shot. It does not increase the brightness of the image.
- Even if you increase the brightness in low-light conditions, you cannot check the subject.
- The color tones may vary depending on the subjects.

Using [SHOOTING MENU]

Use the [SHOOTING MENU] to adjust image quality. You can take pictures in a wide range of conditions.

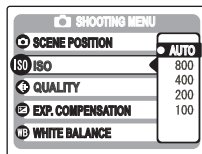
Setting the [SHOOTING MENU]



- ① Press MENU/OK to open the [SHOOTING MENU].



- ② Press ▲ or ▼ to select the menu.



- ③ Press ►.










- ④ Press ▲ or ▼ to change the setting.



- ⑤ Press MENU/OK to confirm the setting.

■ List of [SHOOTING MENU] options

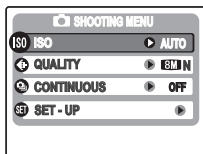
Menu	Functions	Settings	Factory default
[SCENE POSITION] (→p.41)	This setting can be used when the Mode dial is set to SP. Use this setting to provide the best photography menu setting for the scene being shot.		
[ISO] (→p.57)	Specifies required sensitivity setting of the ambient light around the subject. The larger value of the sensitivity, the higher sensitivity is obtained. The higher sensitivity settings will allow you to take pictures in darker locations.	[AUTO]/[800]/[400]/[200]/[100]	[AUTO]
[QUALITY] (→p.57)	Specifies the image size. The larger image size, the better image quality is obtained. The smaller image size, the larger number of images are recorded.		
[EXP. COMPENSATION] (→p.59)	This setting can be used when the [SHOOTING MODE] is set to  . Use this setting to obtain the correct exposure.	-2 EV to +2 EV (1/3 EV increments)	±0
[WHITE BALANCE] (→p.60)	This setting can be used when the [SHOOTING MODE] is set to  . Use this setting to adjust the color balance to suit the color of the ambient light around the subject.	[AUTO] / 	[AUTO]
[CONTINUOUS] (→p.61)	Use this setting to select the required Continuous shooting mode.	[OFF]/[ON]	[OFF]

Continued ➔

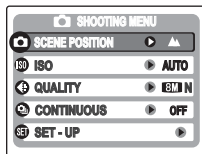
MEMO

Note that the shooting menu will vary depending on the selected shooting mode.

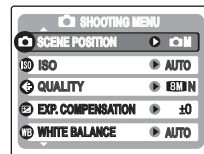
- When shooting mode is set to ,
 , , , .



- When shooting mode is set to , ,
 , , , , , , , ,
 (mode dial set to SP).



- When shooting mode is set to (mode dial set to SP).



Changing the sensitivity setting ([ISO] ISO)

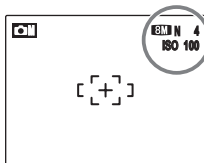
Use this menu to specify required sensitivity setting of the ambient light around the subject.
The larger value of the sensitivity, the higher sensitivity is obtained. The higher sensitivity settings will allow you to take pictures in darker locations.

✓ CHECK

Settings

[AUTO]/[800]/[400]/[200]/[100]

Selecting [AUTO] as the sensitivity setting, the camera selects the best sensitivity setting for the subject's brightness.



The selected sensitivity setting appears on the LCD monitor when the sensitivity setting is set to another setting excluding [AUTO].

📄 MEMO

When anything other than [CAM MANUAL] in the Photography mode is selected, only [AUTO] can be selected for the [ISO] (sensitivity) setting.

! CAUTION

Although higher sensitivity settings will allow you to take pictures in darker locations, they will also increase the amount of speckling in your images. Choose the sensitivity setting that best suits the conditions.

Changing the quality setting ([QUALITY])

Use this menu to specify the image size (number of recorded pixels).
Select the quality setting for the scene being shot.

■ Quality settings in Photography mode

Quality mode	Sample uses
BM F (3264 × 2448)	Printing at up to 10R (25.4 × 30.5 cm/ 10 × 12 in.) / A4 size / A3 size For better quality, select BM F
BM N (3264 × 2448)	
S2 (3264 × 2176)	
4M (2304 × 1728)	Printing at up to 6R (15.2 × 20.3 cm/ 6 × 8 in.) / A5 size
2M (1600 × 1200)	Printing at up to 4R (10.2 × 15.2 cm/ 4 × 6 in.) / A6 size
BM (640 × 480)	To use for e-mail or web site

Continued ➔

Area shot and quality setting

Area shot excluding 3:2



Area shot with 3:2




Normal shooting provides an aspect ratio of 4:3 and 3:2 shooting provides an aspect ratio of 3:2 (same aspect ratio as 35 mm film and post card).

MEMO

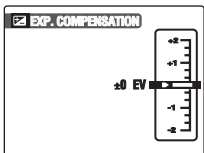
- The bigger the number of recorded pixels, the better the image quality becomes. As the number of recorded pixels becomes smaller, you will be able to record more frames to a Memory Card.
- The quality setting is retained even when the camera is turned off or the mode setting is changed.
- When changing the quality setting, the number of available frames also changes (→p.122). The numbers to the right of setting show the number of available frames.

Adjusting exposure compensation

([EXP. COMPENSATION])

Available Photography mode:  (→p.47)

Use this menu for shots to get the correct brightness (exposure), such as shots with extremely high contrast between the subject and the background.



positive (+) compensation



negative (-) compensation



CHECK

- Compensation range: -2 EV to +2 EV (13 steps in 1/3 EV increments)
- Explanation of Terms "EV" (→p.124)
- The LCD monitor brightness will increase or decrease depending on the exposure compensation setting.

Guide to compensation

- Backlit portraits: +2/3 EV to +1 2/3 EV






- Very bright scenes (such as snowfields) and highly reflective subjects: +1 EV



- Shots made up predominantly of sky: +1 EV
- Spotlit subjects, particularly against dark backgrounds: -2/3 EV
- Scenes with low reflectivity, such as shots of pine trees or dark foliage: -2/3 EV

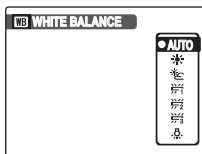
MEMO

- This setting is retained when the camera is turned off ( icon appears). Set the exposure compensation to "±0 EV" unless compensation is required.
- Any of the following disables exposure compensation:
 - Using the flash in [AUTO] or  mode
 - Shooting dark scenes in  mode

Adjusting color balance ([WB] WHITE BALANCE)

Available Photography mode: (→p.47)

Adjust the color balance based on white to suit the color of the ambient light around the subject.



AUTO: Automatic adjustment

☀: 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

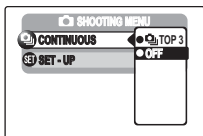
💡: Shooting in incandescent light

MEMO

- 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.
- 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.49).
- The color tones may vary depending on the shooting conditions (light source, etc.).
- After taking the picture, check the image color (white balance).
- Explanation of Terms "White Balance" (→p.124)

Taking pictures continuously ([CONTINUOUS])

Use this mode to take pictures of a moving subject.



! CAUTION

- Number of available frames is limited depending on the available space on the Memory Card or internal memory.
- The focus is determined in the first frame and cannot be changed in mid-sequence.
- The exposure is determined in the first frame.
- The speed of continuous shooting varies depending on the shutter speed.
- The flash cannot be used as the flash mode is set to [④ SUPPRESSED FLASH] (→p.49). However, when the mode is changed back to normal photography, the flash setting specified before continuous shooting was selected is restored.
- The results are always displayed after you shoot.

Available Photography modes: AUTO, , ,
 , , , , , , , , , ,



Shooting continues as long as holding the shutter button down. This mode shoots up to 3 frames (max. 0.6 frames/sec.).

📄 MEMO


The file recording time using the continuous shooting may increase when recording in the **xD-Picture Card** or internal memory.

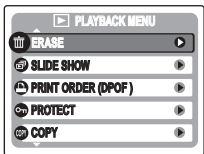
Using [PLAYBACK MENU]

Use this menu to play back photographed images.

Setting the [PLAYBACK MENU]



- ① Press  to set the camera to Playback mode (→p.32).



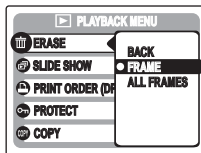
- ② Press MENU/OK to open the [PLAYBACK MENU].





- ③ Press  or  to select the menu.



- ④ Press .



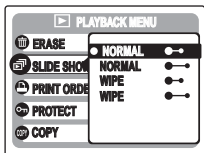
- ⑤ Press  or  to change the setting.



- ⑥ Press MENU/OK to confirm the setting.

Setting automatic playback ([SLIDE SHOW])

Use this mode to play back photographed images continuously. You can select playback interval and type of image transition.

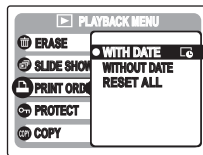


MEMO

- To interrupt [SLIDE SHOW], press MENU/OK.
- Press ◀ or ▶ to advance or go back through the images.
- The Auto power off function (→p.85) does not operate during slide show.
- Movie starts automatically. When the movie ends, the playback function moves it on.
- Press DISP/BACK once during playback to display on-screen help.

DPOF set frame ([PRINT ORDER (DPOF)])

You can specify the image, number of prints, with or without date of printing with a DPOF-compatible printer.





[WITH DATE] : The date will be imprinted on your prints.

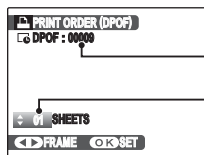
[WITHOUT DATE] : The date will not be imprinted on your prints.

[RESET ALL] : All DPOF settings will be canceled.

Continued ➔

[WITH DATE] / [WITHOUT DATE]

Selecting [WITH DATE] ,  appears on the LCD monitor and the date will be imprinted on your prints.



Total number of prints

Setting for that frame



- 1 Press ◀ or ▶ to display the frame (file) for specifying DPOF setting.



- 2 Press ▲ or ▼ to set a value.
Up to 99 sheets are 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.





- 3 Always press MENU/OK after the settings are completed.
Pressing DISP/BACK cancels those settings.



- 4 Press MENU/OK again.
The total number of prints appears on the LCD monitor.

 **MEMO Canceling DPOF setting**

- 1 Press MENU/OK to open the [PLAYBACK MENU] and press ▲ or ▼ to select  PRINT ORDER (DPOF).
- 2 Press ▶.
- 3 Press ▲ or ▼ to select [WITH DATE ] or [WITHOUT DATE] and press MENU/OK to display the print order screen.
- 4 Press ◀ or ▶ to select the frame (file) with the DPOF setting you want to cancel.
- 5 Press ▼ to set the number of prints to 0 (zero).

To cancel the DPOF setting for another frame (file), repeat steps ④ and ⑤.

Always press MENU/OK to complete the settings.

- [RESET ALL] (→p.65)

MEMO

- 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 MENU/OK erases all of the DPOF settings already specified for each frame (file). Specify the DPOF setting for each frame (file) again.

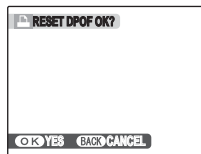
- Prints of up to 999 frames (files) can be ordered on the same Memory Card.
- DPOF settings cannot be specified for movies.

CAUTION

- Pressing DISP/BACK while choosing settings will cancel all current settings. If there were previous DPOF settings, only the modifications are canceled.
- 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).
- Images photographed with a camera other than FinePix F480 / FinePix F485 may not be specified DPOF settings.

[RESET ALL]

To cancel all DPOF settings:



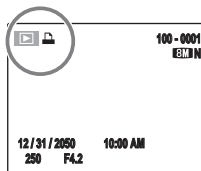
Select [RESET ALL] in the [PLAYBACK MENU] (→p.63).



Press MENU/OK.



MEMO



⏹ appears on the LCD monitor during playback when the image has specified DPOF settings.

Continued ➔

PRINT ORDER (DPOF)

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 a Memory 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 FinePix F480 / FinePix F485.

*Some printers do not support date and time imprinting or specification of the number of prints.

*The warnings shown below may appear while specifying the prints.

[DPOF SPECIFIED. ERASE OK ?]

[DPOF SPECIFIED. ERASE ALL OK ?] (→p.38)

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

[RESET DPOF OK ?] (→p.65)

When inserting a Memory 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.109)

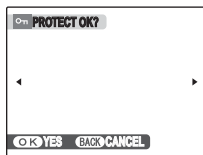
Up to 999 images can be specified on the same Memory Card.

Protecting the images ([PROTECT])

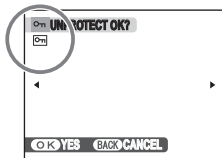
Use this mode to prevent frames (files) from being accidentally erased. Your camera calls images “frames”.


[FRAME SET] / [RESET]

To protect or unprotect only the selected frame (file):



Unprotected



Protected ( appears)



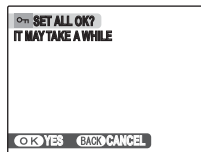
- 1 Press ◀ or ▶ to select the protecting/unprotecting frame (file).



- 2 Press MENU/OK to protect/unprotect the currently displayed frame (file).
Unprotected: protecting frame (file)
Protected: reset frame (file)

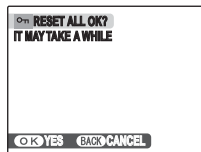
To protect another frame (file), repeat steps ① and ②.
When protecting frames (files) is completed, press DISP/BACK.

[SET ALL]



- Press MENU/OK to protect all the frames (files).

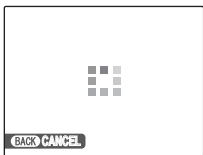
[RESET ALL]



- Press MENU/OK to unprotect all the frames (files).

Continued →

 **MEMO** 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 DISP/BACK.

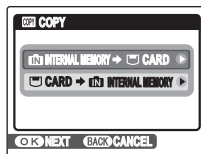
 **CAUTION**

The Format function erases all the frames (files), including protected frames (files) (→p.84).

 **Copying the images**
([COPY] COPY)

It is possible to transfer saved images between the internal memory and a Memory Card. Your camera calls images "frames".

■ **Selecting COPY**

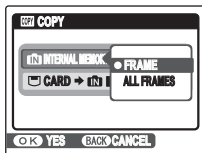


- ① Press ▲ or ▼ to select [ INTERNAL MEMORY →  CARD] or [ CARD →  INTERNAL MEMORY].



- ② Press ►.

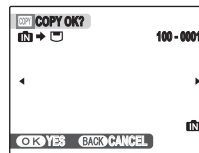
Copying one frame at a time ([FRAME])



① Press ▲ or ▼ to select [FRAME].



② Press MENU/OK.



③ Press ◀ or ▶ to select the copying frame (file).



④ Press MENU/OK to copy the currently displayed frame (file).

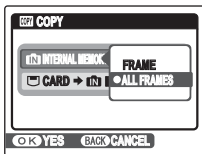


MEMO

To copy another frame (file), repeat steps ③ and ④.
When copying frames (files) is completed, press DISP/
BACK.

Continued ➔

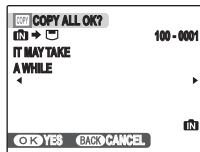
Copying all frames ([ALL FRAMES])



① Press ▲ or ▼ to select [ALL FRAMES].



② Press MENU/OK.



③ Press MENU/OK to copy all the frames (files).

! CAUTION

- When [MEMORY FULL] or [MEMORY FULL] appears on the LCD monitor, copying the data stops on the way.
- When copying the image that has specified DPOF setting, the DPOF setting is not copied.

Rotating the images ([IMAGE ROTATE])

When shooting in the vertical position, the image appears horizontal on the LCD monitor. Use this mode to rotate an image and to display correct direction.

CAUTION

Protected frames (files) cannot be rotated. Unprotect the frames (files) before rotating them (→p.67).

MEMO

An image can be rotated only when playing back using FinePix F480 / FinePix F485. You may not be able to rotate images that were shot with a camera other than FinePix F480 / FinePix F485.



- ① Press ◀ or ▶ to select the rotating frame (file).



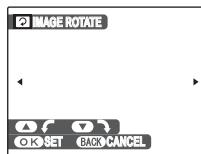
- ② Press MENU/OK to open the [PLAYBACK MENU].



- ③ Press ▲ or ▼ to select [IMAGE ROTATE].



- ④ Press MENU/OK.



- ⑤ Press ▲ or ▼ to rotate the image.
▼: Rotates the image clockwise at a 90 degree angle.
▲: Rotates the image counterclockwise at a 90 degree angle.



- ⑥ Press MENU/OK to confirm the setting. Next time the image is played back, it will be automatically rotated. Press DISP/BACK to cancel rotating the image.



Trimming the images ([TRIMMING])

Use this mode to trim the required part of the photographed image.

1 Select the menu.



- ① Press to set the camera to Playback mode (→p.32).



- ② Press or to select the trimming frame (file).



- ③ Press MENU/OK to open the [PLAYBACK MENU].



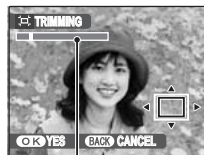
- ④ Press or to select [TRIMMING].



- ⑤ Press .

2 Specify trimming part of image.

wide zoom
(Zoom out)



Zoom bar

tele zoom
(Zoom in)



- ① Set the zoom switch to or to zoom in or out of an image.



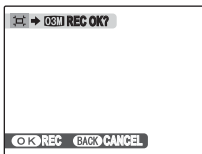
Navigation screen
(Current displayed image)



- ② Press , , , or to display another part of the image.



③ Press MENU/OK.



3 Record the image.



Check the saved image size and press MENU/OK.

The trimmed image is added as a separate file in the final frame.

MEMO

- Press DISP/BACK to return to single-frame playback.
- A saved image size varies depending on the zoom scale of step 2. For 0.3 M, **OK** YES option appears in yellow.
- Image sizes

4M	Printing at up to 6R (15.2 × 20.3 cm/6 × 8 in.) / A5 size
2M	Printing at up to 4R (10.2 × 15.2 cm/4 × 6 in.) / A6 size
03M	To use for e-mail or web site

- When **S2** quality setting is selected, the image is trimmed to normal size (4:3 aspect ratio).

! CAUTION

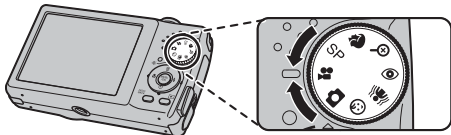
You may not be able to trim images that were shot with a camera other than FinePix F480 / FinePix F485.

Recording Movies

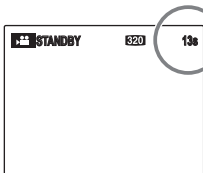
Use this mode to record movies.

Set the camera to Movie mode

Set the Mode dial to .



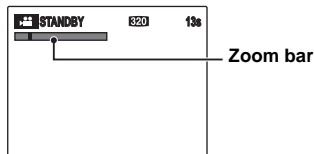
CHECK





The available recording time appears on the LCD monitor.

Zooming the image

You must zoom beforehand as you cannot zoom during recording.



Set the zoom switch to  or  to zoom in or out of an image.

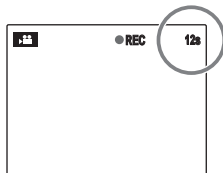
CHECK

- Optical zoom focal length
Approx. 28 mm to 112 mm (35 mm camera equivalent)
Max. zoom scale: 4x
- Focal range
Approx. 40 cm (1.3 ft.) to infinity

Record movies



Fully pressed



Press the shutter button down fully to start recording. During recording, [●REC] and a counter that shows the remaining time appear on the LCD monitor.



Halfway pressed

Recording ends when pressing the shutter button down halfway during recording or the remaining time runs out.

MEMO

There is no need to hold down the shutter button during recording.

CHECK Recording movies

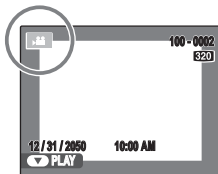
- Specifications: Motion JPEG (→p.124).
Monaural sound
- Quality selection method: **520** (320 × 240 pixels)
- Frame rate (→p.124): 30 frames per second (fixed)

MEMO

- The brightness and color of the LCD monitor shown during movie recording may differ from those shown before recording begins.
- Pressing the shutter button down fully fixes the focus, however the exposure and white balance are adjusted to the scene being shot.
- If recording is stopped immediately after it begins, 1 second of the movie is recorded onto the Memory Card or internal memory.
- See p.122 for information on recording times per Memory Card or internal memory.

CAUTION

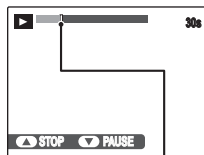
- Because a movie is recorded onto the Memory Card or internal memory as it is saved, it cannot be recorded correctly if the camera suddenly loses power (if the batteries run out or the AC power adapter is disconnected).
- A movie file taken by FinePix F480 / FinePix F485 may not be playable on other cameras.
- Because sound is recorded concurrently with the images, make sure that you do not cover the microphone with a finger, etc. (→p.10).
- Camera operation noises may be recorded during movie shooting.
- If you shoot using the **xD-Picture Cards** with model numbers containing "M" such as DPC-M1GB, movie recording time may be reduced if you repeatedly record and erase (frame erase) image files.
In such a case, erase all frames or format the **xD-Picture Card** before use. Back up important frames (files) onto your PC or another media.
- The size of a movie file can be up to 2GB.



- ① Press ◀ or ▶ to select the movie file. ▶ appears on the LCD monitor.



- ② Press ▼ to begin playing back movie.



The playback time appears on the LCD monitor along with a progress bar.

Progress bar

■ 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.

MEMO

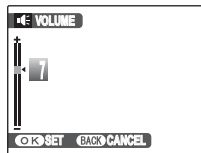
If the subject of the shot is very bright, white vertical streaks or black horizontal streaks may appear in the image during playback. This is normal.

CAUTION

- You may not be able to play back some movie files recorded on other cameras.
- To play back movie files on a PC, save the movie file on the Memory Card or internal memory to the PC's hard disk and then play back the saved file.
- When using FinePix F480 / FinePix F485, make sure not to cover the speaker. The sound is difficult to hear.

Adjusting volume of movies

You can adjust the volume of the movie with FinePix F480 / FinePix F485.



- ① Press MENU/OK while playing back movie.
The movie is paused during playback.



- ② Press ▲ or ▼ to adjust the volume.



- ③ Press MENU/OK to confirm the setting.
Camera starts to play back the movie.

[SET] SET-UP

Using the [SET-UP] menu

1 Open the [SET-UP] menu.



① Press MENU/OK to open the menu.

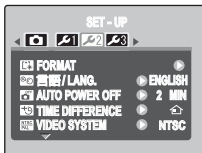


② Press ▲ or ▼ to select [SET] SET-UP.



③ Press ►.

2 Change the page.

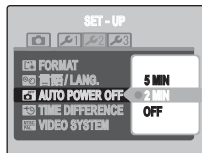


① Press ◀ or ▶ to select the page.



② Press ▼ to move to menu item.

3 Change the setting.



① Press ▲ or ▼ to select the menu.



② Press ►.

Different type of screen appears depending on selected item.



③ Press ▲ or ▼ to change the setting.



④ Press MENU/OK to confirm the setting.

[SET-UP] menu option

	Setting	Display	Factory default	Explanation	Page
📷	[🖼️ IMAGE DISP.]	[3 SEC]/[1.5 SEC]	[1.5 SEC]	Sets the way for displaying the check image screen (photograph result) after taking a picture. The image is displayed for 3 or 1.5 seconds and then recorded. The color tones in images recorded may differ from actual color. Play back the recorded images to check them.	-
	[📄 FRAME NO.]	[CONT.]/[RENEW]	[CONT.]	Specifies whether frame numbers are assigned consecutively from previous numbers or begin again.	81
	[🔍 DIGITAL ZOOM]	[ON]/[OFF]	[OFF]	Specifies whether digital zoom is used together.	82
	[🔒 LCD POWER SAVE]	[ON]/[OFF]	[ON]	Darkens the LCD monitor when camera is not used.	83
🔧	[🕒 DATE/TIME]	-	-	Corrects the date or time.	23
	[🔊 BEEP VOLUME]	🔊/🔊/🔊/🔊/🔊OFF	🔊	Sets the volume of the tone emitted when the camera controls are used.	-
	[🔊 SHUTTER VOLUME]	🔊/🔊/🔊/🔊/🔊OFF	🔊	Sets the volume of the sound emitted when the shutter operates.	-
	[🎞️ PLAYBACK VOLUME]	-	[7]	Sets the volume of playing back movie.	83
	[☀️ LCD BRIGHTNESS]	-	[0]	Sets the LCD monitor brightness.	84

Settings

Continued ➔

	Setting	Display	Factory default	Explanation	Page
2	[] FORMAT]	–	–	Initializes a Memory Card or internal memory. Select this menu to erase all the frames (files).	84
	[] 言語/LANG.]	[日本語]/[ENGLISH]/ [FRANCAIS]/[DEUTSCH]/ [ESPAÑOL]/[ITALIANO]/ [中文簡]/[繁體]/[한글]/ [РУССКИЙ]/[PORTUGUÊS]/ [NEDERLANDS]/[TÜRKÇE]/ [ČESKY]/[MAGYAR]/ [POLSKI]/[SVENSKA]	[ENGLISH]	Specifies the language used for LCD monitor display.	24
	[] AUTO POWER OFF]	[5 MIN]/[2 MIN]/[OFF]	[2 MIN]	Sets the time of turning camera off when camera is not used.	85
	[] TIME DIFFERENCE]	/←		Specifies the time difference settings.	85
	[] VIDEO SYSTEM]	[NTSC]/[PAL]	–	Specifies whether video output is set to NTSC or PAL.	–
3	[] RESET]	–	–	Resets all the camera settings (other than the [DATE/TIME], [TIME DIFFERENCE], and [VIDEO SYSTEM]) to the factory default values set at shipment. A confirmation message appears when you press . To reset the camera settings, press or to select [OK] and press MENU/OK.	–

[FRAME NO.]

Use this function to specify whether frame numbers are assigned consecutively from previous numbers or begin again.

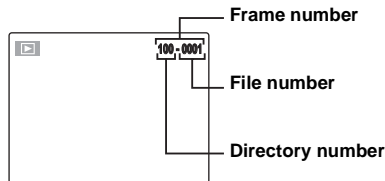
	<CONT.>	<RENEW>
A	0001 ⋮ 0005	0001 ⋮ 0005
↓		
B	0006 ⋮ 0010	0001 ⋮ 0005

* Formatted Memory Card or internal memory used for both A and B.

[CONT.] : Pictures are stored beginning from the highest file number stored on the last Memory Card or internal memory used.

[RENEW]: Pictures are stored on each Memory Card beginning with a file number 0001. Each image will be numbered consecutively from the last number used. So when recorded images in the Memory Card are erased, the number of the erased frame will not be used again.

✓ CHECK



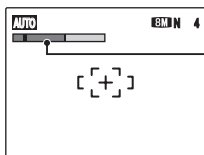
The last 4 digits of the 7-digit number in the top right corner of the LCD monitor are the file numbers, while the first 3 digits show the directory number.

📄 MEMO

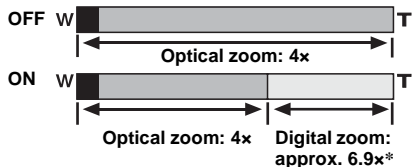
- Setting this function to [CONT.] makes file management easier as it makes sure that file names are not duplicated when images are downloaded to a PC.
- When the camera settings are [RESET] (→p.80), the frame number setting ([CONT.] or [RENEW]) is changed to [CONT.] and the frame number itself does not return to 0001.
- In [CONT.] setting, images are stored beginning from the highest file number on the current Memory Card when the Memory Card already contains image files with file numbers higher than the highest file number on the last Memory Card.
- The displayed frame number may differ for images photographed on other cameras.

[DIGITAL ZOOM]

Use this function to shoot enlarged images than maximum optical zoom scale.



Zoom bar

Zoom bar display**CAUTION**

Using the [DIGITAL ZOOM] allows you to enlarge your subject and shoot it. However, it will lower your image quality. Set the [DIGITAL ZOOM] when requiring it.

CHECK

- Optical zoom focal length*
Approx. 28 mm to 112 mm
- Digital zoom focal length*
Approx. 112 mm to 773 mm
Max. zoom scale: approx. 6.9x
* 35 mm camera equivalents

MEMO

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

[LCD POWER SAVE]

The LCD monitor darkens when camera is not used for 8 seconds.

When this function is active, you can save power and get the maximum possible running time from your batteries.

MEMO

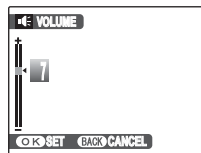
Pressing any button wakes the camera up.

CAUTION

The LCD power save function is disabled during Playback mode and Movie mode.

[PLAYBACK VOLUME]

Use this function to adjust volume while playing back movie.



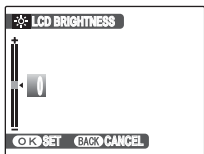
- 1 Press ▲ or ▼ to adjust the volume.
The larger the number, the larger the volume is emitted. 0 indicates a sound deadening.



- 2 Press MENU/OK to confirm the setting.

[LCD BRIGHTNESS]

Use this function to adjust the LCD monitor brightness.



- ① Press ▲ or ▼ to adjust the LCD monitor brightness.

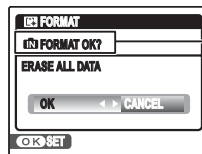


The indicator moves to the + to display the LCD monitor brightly or to the – to darken the LCD monitor.

- ② Press MENU/OK to confirm the setting.

**[FORMAT]**

Initialize (format) the Memory Card or internal memory for use with the camera.



Place of initialize
[M] FORMAT:
 Internal memory
[MC] FORMAT:
 Memory Card



- ① Press ◀ or ▶ to select OK.



- ② Pressing MENU/OK initializes the Memory Card or internal memory.

! CAUTION

- The Format function erases all the frames (files), including protected frames (files). Back up important frames (files) onto your PC or another media.
- Do not open the battery cover or expose the camera to shock during formatting, as formatting will be interrupted.

[AUTO POWER OFF]

When this function is active and the camera remains unused for 2 or 5 minutes, it turns camera off. Use this function when you want to get the maximum possible running time from your batteries.

! CAUTION

The Auto power off function is disabled during slide show (→p.63), and when a printer or a PC connection (→p.88, 97) is being used.

MEMO To restore power to the camera

Refer to "Turning On and Off" (→p.19).

[TIME DIFFERENCE]

Use this function when traveling to destinations in different time zones. 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.

1 Use Time difference function.

Press ▲ or ▼ to change between [HOME] and [← LOCAL].

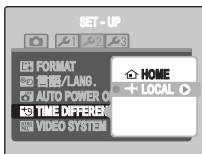
To set the time difference, select [← LOCAL].

[HOME]: Your home time zone

[← LOCAL]: Your destination time zone

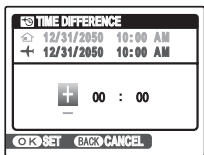
Continued ➔

2 Move to [TIME DIFFERENCE] screen.



Press ►.

3 Set time difference.



① Press ◀ or ▶ to select +/–, hour, and minute.



② Press ▲ or ▼ to change the setting.



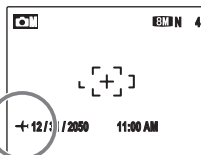
③ Always press MENU/OK after the settings are completed.

✓ CHECK

Available time setting

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

📄 MEMO



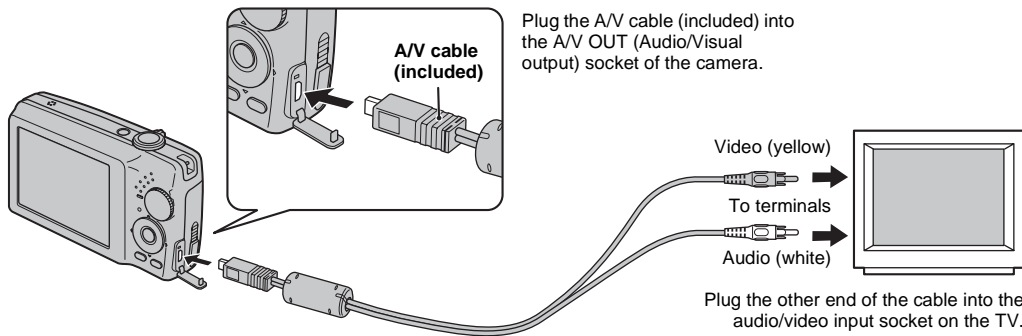
In the time difference setting, when you change to the Photography mode, + and the date is displayed for 3 seconds, the date display turns yellow.

✓ CHECK

Upon returning from a trip, always change the time difference setting back to [HOME] and then check the date and time again.

Connecting to a TV

When connecting to a TV, images can be displayed on wider screen. Using slide show function (→p.63) together, you can have fun with folks.



! CAUTION

- Plug the A/V cable (included) correctly in its terminal.
- See "Notes and Cautions" for information on the AC power adapter.

📄 MEMO

- When connecting the A/V cable (included) to TV, the LCD monitor is turned off.
- The image quality for movie playback is lower than for still images.
- When connecting to a TV, even if you adjust the volume from the [M] PLAYBACK VOLUME], the TV volume cannot be changed. Refer to the instructions provided with your TV for more information on audio/video input for your TV.
- Use the AC-5VX (sold separately) and CP-40N (sold separately) when FinePix F480 / FinePix F485 is connected to a TV for long periods.

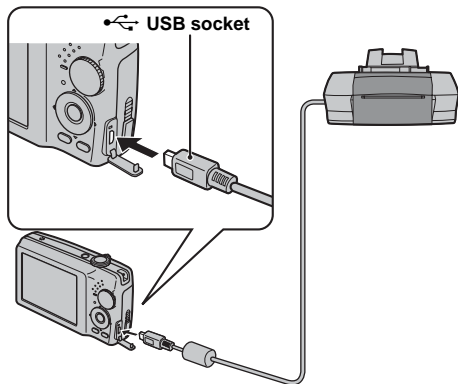
Connecting Camera Directly to Printer — PictBridge Function



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

Connecting to a printer

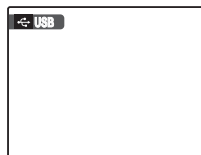
- 1 Connect the camera to your printer using the USB cable.



MEMO

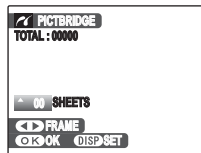
Use the AC-5VX (sold separately) and CP-40N (sold separately) when FinePix F480 / FinePix F485 is connected to a printer.

- 2 Connect the camera to a printer and turn the printer on. Press for about 1 second to turn the camera on.



[USB] appears on the LCD monitor.

- 3 The following screen appears on the LCD monitor after a moment.



"Specifying images for printing"

→p.89

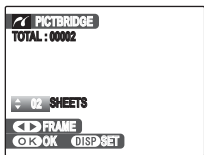
"Printing with DPOF setting"

→p.90

MEMO

Depending on the printer, some functions are disabled.

Specifying images for printing ([PRINT WITH DATE] / [PRINT WITHOUT DATE])



- 1 Press ◀ or ▶ to display the frame (file) for specifying PRINT setting.

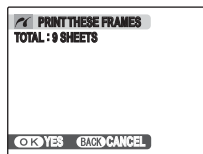


- 2 Press ▲ or ▼ to set a value. Up to 99 sheets are printed.

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



- 3 Press MENU/OK to display the confirm setting.



- 4 Press MENU/OK again to download the data to the printer and start printing the specified number of prints.

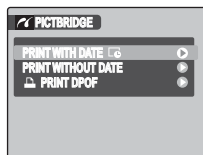


MEMO

Even if MENU/OK is pressed with total number of images set at 0 (zero), the screen printing once appears on the LCD monitor. Press MENU/OK again and printing starts.



MEMO Printing with date



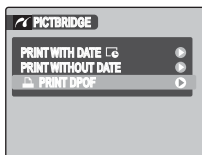
- 1 Press DISP/BACK to display the setting display.
- 2 Press ▲ or ▼ to select [PRINT WITH DATE].
- 3 Press MENU/OK.



CAUTION

[PRINT WITH DATE] is not available when the camera is connected to a printer that does not support date printing.

Printing with DPOF setting ([PRINT DPOF])



DISP/BACK



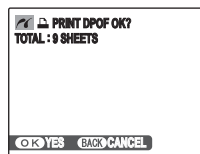
- ① Press DISP/BACK to open the menu.



- ② Press ▲ or ▼ to select [ PRINT DPOF].




- ③ Press MENU/OK to display the confirm setting.




- ④ Press MENU/OK again to download the data to the printer and start printing the specified frames (files) continuously.

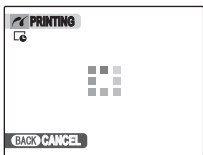
CHECK

To select [ PRINT DPOF], the DPOF settings must be specified on FinePix F480 / FinePix F485 beforehand (→p.63).

CAUTION

Even when [WITH DATE ] is specified in the DPOF settings (→p.63), the date is not inserted on printers that do not support date printing.

MEMO



Press DISP/BACK 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 LCD monitor.
- ② Turn the camera off. Unplug the USB cable.

MEMO

DPOF setting can be specified for images on internal memory.

! CAUTION

- In PictBridge function, images photographed on other than a camera may not be printed.
- The camera cannot be used to specify printer settings such as the paper size and print quality.
- Use internal memory or a Memory Card that was formatted on FinePix F480 / FinePix F485.
- Movies cannot be printed.
- Images photographed with a camera other than FinePix F480 / FinePix F485 may not be printed.

Installation on a Windows PC

Pre-installation checklist

■ Hard ware (software) requirements and recommended system

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

Requirement		Recommendation	
Operating System *1	Windows 98 SE Windows Millennium Edition (Windows Me) Windows 2000 Professional*2 Windows XP Home Edition*2 Windows XP Professional*2 Windows Vista*2	Windows XP	Windows Vista
CPU	200 MHz Pentium minimum (Windows XP/Vista users: 800MHz Pentium 4 or better recommended)	2 GHz Pentium 4 or better	3 GHz Pentium 4 or better
RAM	128 MB minimum (512 MB minimum for Windows Vista)	512 MB or better	1 GB or better
Hard disk space	Amount required for installation: 450 MB minimum Amount required for operation: 600 MB minimum	2 GB or better	15 GB or better
Display	800 x 600 pixels or better, 16-bit color or better	1024 x 768 pixels or better, Highest (32 bit)	

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

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

! CAUTION

- Note that the software to be installed is different depending on the OS. (Windows 98SE/Me: FinePixViewer, Windows 2000/XP/Vista: FinePixViewer S)
- Additional USB interface board is not guaranteed.
- Windows 95, Windows NT and Windows 98 cannot be used.
- Operation is not guaranteed on home-built PCs or on PCs running updated operating system software.

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

1 Install FinePixViewer as instructed by the on-screen instructions.

Launching the installer manually

- ① Double-click the [My Computer] icon.
* Windows XP users should click [My Computer] in the [Start] menu.
Windows Vista users should click [Computer] in the [Start] menu.
- ② Right-click [FINEPIX] (CD-ROM drive) in the [My Computer] window (Windows Vista users: in the [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).

For Windows Vista users:

When loading the bundled CD-ROM on your PC, the [AutoPlay] window may appear. In this case, click [SETUP.exe].

When [User Account Control] window appears, click [Allow].

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

! CAUTION

- If the latest version of DirectX or Windows Media Player has not been installed, each software will be installed, and then the PC will restart.
- Do not remove the CD-ROM during this procedure.

3 After restarting the PC, a message appears stating [Installation of the FinePixViewer has been completed]. Remove the CD-ROM from your PC.

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.

Compatible Mac *1	Power Macintosh G3*2, PowerBook G3*2, Power Macintosh G4, iMac, iBook, Power Macintosh G4 Cube, PowerBook G4, Power Macintosh G5, MacBook, MacBook Pro or Mac Mini
Operating System	Mac OS X (compatible with version 10.3.9 to 10.4.9)
RAM	256 MB or better recommended
Hard disk space	Amount required for installation: 200 MB minimum Amount required for operation: 400 MB minimum
Display	800 x 600 pixels or better, at least 32,000 colors
Internet connection *3	<ul style="list-style-type: none">• To use the FinePix Internet Service or mail attachment function: An Internet connection or e-mail transmission software is needed• Connection speed: 56 kbps or better recommended

*1 PowerPC, Intel processor loaded

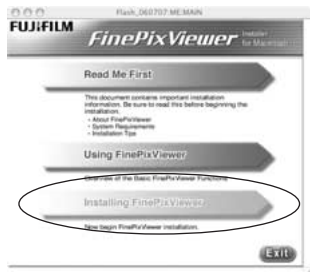
*2 Models with a USB port as a standard feature

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

CAUTION

- Connect the camera directly to the Macintosh using the USB cable. 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.

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



! CAUTION

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 Install FinePixViewer as directed by the on-screen instructions.
- 7 The [FinePixViewer installation completed] message dialog appears. Then click exit button and close it.

! CAUTION

When Safari is used as the Web browser, a message may be displayed and the CD-ROM may not be removed. If this happens, click the Safari icon in the Dock to make Safari the active application and then select [Quit Safari] in the [Safari] menu to shut down Safari.

- 8 Launch [Image Capture] from the [Applications] folder.

Continued ➔

- 9** Change the Image Capture settings.
Select [Preferences...] from the [Image Capture] menu.



- 10** Select [Other...] from [When a camera is connected, open].
- 11** Select [FPVBridge] from [FinePixViewer] folder in the [Applications] folder and click the [Open] button.



- 12** Select [Quit Image Capture] menu in the [Image Capture] menu.

Connecting to a PC

By connecting the camera to a PC, your system can be expanded to fill a wide range of uses. Using "FinePixViewer" performs images saving, browsing and file management etc.

FinePixViewer Overview

Enables importing images, managing files and folders, and ordering prints using the internet (only Windows users).

! CAUTION

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

Refer to Software Installation (→p.92, 94) the first time you connect the camera to your PC.

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



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

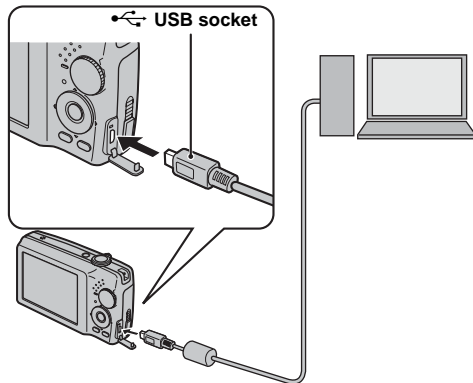
- 1 Insert the Memory Card with images into the camera (→p.16).


You can use the **xD-Picture Card** and the SD Memory Card with the FinePix F480 / FinePix F485. In this Owner's Manual, these cards are expressed as "Memory Card".

! CAUTION

- Do not format the Memory Card in the camera on the PC.
- Use the Memory Card with images taken by a FUJIFILM Digital camera.

- 2 Connect the camera to your PC using the USB cable.



- 3 Press  for about 1 second to turn the camera on in Playback mode.
- 4 Set your PC.

MEMO

In Windows, if FinePixViewer is already installed, the driver will be set automatically. No action is required.

Continued ➔

! **CAUTION**

- FinePix F480 / FinePix F485 is compatible with PTP (Picture Transfer Protocol)/MTP (Media Transfer Protocol). A PTP/MTP-compatible camera is a camera that can recognize the PC and printer automatically when connected.
- Do not disconnect the USB cable (included) when the camera is communicating with a PC. If the USB cable (included) is disconnected during communication, the files on the Memory Card or internal memory may be damaged.
- In Mac OS X, you must set automatic setup the first time you connect the camera to your PC.
- When the camera and PC are exchanging data, the indicator lamp blinks alternately green and orange.
- Auto power off is disabled during USB connection.
- Before replacing the Memory Card, always disconnect the camera from the PC.
- The camera and PC may be exchanging data even when "Copying" disappears from your PC screen. Before disconnecting the USB cable (included), always check that the indicator lamp is off.
- Always use FinePixViewer to transfer images with voice memos to a PC.
- The cost of an Internet provider for connecting to the internet is the user's responsibility.
- When using FinePixViewer to save images on a data server (network), FinePixViewer may not run as it would in a standalone PC environment.

! **CAUTION**

- Always use the FUJIFILM AC Power Adapter AC-5VX (sold separately) and DC coupler CP-40N (Sold separately). If the camera suddenly loses power during data exchange, the Memory Card or internal memory could be damaged.
- Make sure that the USB cable (included) is connected correctly and securely.
- 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 if you connect the camera via a USB hub.
- When your PC has more than one USB port, the camera can be connected to either port.
- When Windows 98 SE is used, the supplied software must be installed first before connecting the camera to a PC using the USB cable. The PC will not recognize the camera if it is connected before installation.
- A memory Card, the internal memory, data in a Memory Card or data in the internal memory could be damaged if any of the following are performed;
 - the USB cable is disconnected
 - power switch or buttons are pressed, or the lens cover is interfered with

The following steps differ depending on the PC's operating system (Windows 2000/XP/Vista case)

When your PC recognizes the camera automatically, FinePixViewer S automatically starts up and the Load photos window appears. Follow the instructions provided on screen to save the images. To proceed without saving the images, click the [Menu] button.

! CAUTION

When there are many images stored on a Memory Card, it takes a while to display on the screen of your PC. Also, it may take a while to import images or you may be unable to save images. In this case, use an Image Memory Card Reader.

MEMO

- You can only see images saved on a PC. Save images on a PC.
- If you cancel saving by clicking the [Cancel] button, press POWER to turn off the camera and then disconnect it from the PC.
- When the camera is connected to your PC, FinePixViewer automatically starts up by the function of Exif Launcher, which is installed in FinePixViewer.

Proceed to "Using FinePixViewer" (→p.100).

! CAUTION (Mac OS X)

If FinePixViewer does not start up automatically, the software may not be installed correctly. Set your PC again after disconnecting the camera and restart.

! CAUTION (Mac OS X) Note on disconnecting the camera

- Close all files in the camera, and make sure the camera is not exchanging data.
- The camera and PC may be exchanging data even when [Copying] disappears from your PC screen, especially in the case of copying large data amounts. Do not disconnect the USB cable (included), immediately after this message has disappeared. Always check that the indicator lamp is off first before disconnecting.

Using FinePixViewer

Mastering FinePixViewer

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

- **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 [Slide Show] in the menu that appears.
- ③ The [Slide Show] information appears. Press the [<<<] key to view the previous page or the [>>>] key to view the next page.

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 The steps for uninstalling software differ depending on the operating system. Follow the steps for each operating system to uninstall the software listed below.

The following software is to be uninstalled:

For Windows 98 SE/Me users

- FinePixViewer
- FinePix Resource

For Windows 2000/XP/Vista users

- FinePixViewer S

To remove FinePixViewer

FinePix Viewer S Ver.2.*

To remove the driver software

FUJIFILM USB Driver



-
- ④ When the message appears, click the [OK] button. Check your selection carefully since the process cannot be canceled once you click the [OK] button.



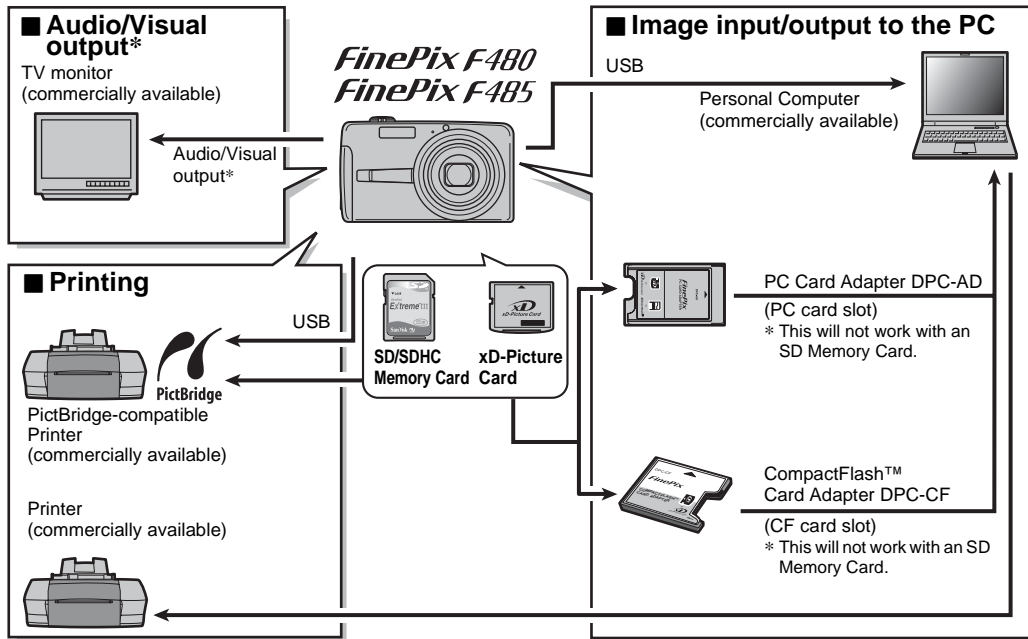
Macintosh

Quit FinePixViewer. Then drag the installed FinePixViewer folder to the Trash and select [Empty Trash] in the [Finder] menu.

System Expansion Option

By using FinePix F480 / FinePix F485 together with other optional FUJIFILM products, your system can be expanded to fill a wide range of uses.

Accessory availability may vary by country. Please check with your local Fujifilm representative to confirm product availability.



Accessories Guide

Visit the FUJIFILM web site for the latest information on camera accessories.

<http://www.fujifilm.com/products/digital/index.html>

Accessory availability may vary by country. Please check with your local Fujifilm representative to confirm product availability.

- **xD-Picture Card**

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

16MB/32MB/64MB/256MB/512MB/1GB/2GB

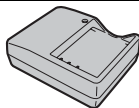
There are two types of **xD-Picture Card**: standard type and Type M (containing "M" in the model number, such as DPC-M2GB).

FinePix F480 / FinePix F485 is compatible with Type M, however they may not be compatible depending on the device used (Image Memory Card Reader, etc.).



- **Battery Charger BC-65S**

Quickly charges the rechargeable battery. The BC-65S reduces charging time to approx. 95 minutes at +23°C.



- **Rechargeable Battery NP-40**

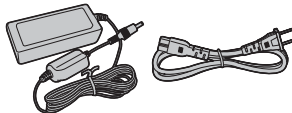
A Lithium-ion large capacity rechargeable battery.



- **AC Power Adapter AC-5VX**

Use the AC-5VX when taking pictures or play back images for long periods or when FinePix F480 / FinePix F485 is connected to a PC.

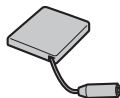
* The shape of the AC power adapter, the plug, and power outlet depend on the country.



Continued ➔

• **DC Coupler CP-40N**

Use the CP-40N with AC-5VX when taking pictures or play back images for long periods or when FinePix F480 / FinePix F485 is connected to a PC.



• **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.

This is not compatible with the SD Memory Card.



• **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).

- This is not compatible with the SD Memory Card.



Using Your Camera Correctly

Read this information and the “Safety Notes” (→“Notes and Cautions”), 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 electric magnetic fields (such as near broadcasting tower, power lines, radar, motors, transformers, magnets, etc.)
- In contact with chemicals such as pesticides
- Next to rubber or vinyl products

■ Damaged by Water or Sand

FinePix F480 / FinePix F485 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. Condensation may also form on the Memory Card. In this event, remove the Memory 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 Memory Card.

■ Cleaning Your Camera

- Use a blower brush to remove any dust on the lens or LCD monitor, 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 or LCD monitor.
- 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 to violent shocks, and the camera may be damaged inside or outside.

Notes on the xD-Picture Card™, the SD Memory Card and the Internal Memory

■ Handling Memory Card

- When inserting the Memory Card into the camera, hold the Memory Card straight as you push it in.
- Never remove the Memory Card or turn the camera off during data recording or erasing (Memory Card formatting) as this could be damaged to the Memory Card.
- The use of **xD-Picture Cards** is recommended with FinePix F480 / FinePix F485.
The recording quality cannot be guaranteed when **xD-Picture Cards** other than those manufactured by FUJIFILM are used.
- The Memory Card may feel warm when it is removed from the camera after taking pictures. This is normal.
- Do not put labels on the Memory Card. Peeling labels can cause the camera not to work properly.



MEMO Type M and H of xD-Picture Card

- Type M
There are two types of Memory Card: standard type and Type M (containing "M" in the model number, such as DPC-M2GB).
FinePix F480 / FinePix F485 is compatible with Type M.
- Type H
Type H and M share the same compatibility.
- Usable USB drive
Type H cannot be used with **xD-Picture Card** USB drive DPC-UD1, while Type M can.

■ Internal Memory






- Images held in the camera's internal memory may be corrupted or erased due to problems such as camera faults. Save your important data to another media (i.e., DVD-R, CD-R, CD-RW, hard disk, etc.).
- Data stored in the camera's internal memory cannot be guaranteed in the event that the camera is submitted for repairs.
- When the camera is repaired, any data stored in the camera's internal memory is subject to checking by the repairer.

■ Using Memory Card or Internal Memory with a PC



- When taking pictures using a Memory Card or internal memory that has been used on a PC, reformat the Memory Card using your camera.
- When formatting, 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 Memory Card or internal memory because this will make it impossible to use the Memory Card or internal memory in your camera.
- Always use the camera to erase image data.
- To edit image data, copy or transfer the image data to the PC and edit the copied or transferred data.





Warning Displays

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

Warning Displayed	Explanation	Remedy
 (Lit red)  (Blinking red)	The batteries are low or completely out of charge.	Load new or fully charged batteries.
	There is a strong likelihood of camera shake because the shutter speed is slow.	Use flash photography. A tripod may be recommended, depending on the scene and mode.
	The AF (autofocus) cannot work effectively.	<ul style="list-style-type: none"> • If the image is too dark, take the picture at a distance of around 2 m (6.6 ft.) from the subject. • Use AF lock to take the picture (→p.29). • Select Macro mode when taking close-up shots.
	The camera cannot shoot the picture at the correct brightness due to too bright or dark shooting condition.	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"> • Turn the camera on again, taking care not to touch the lens. • Turn the camera off and on again. If the message still appears, contact your FUJIFILM dealer.
[NO CARD]	Memory Card is not inserted when transferring images.	Insert a Memory Card.
[CARD NOT INITIALIZED]	<ul style="list-style-type: none"> • The Memory Card or internal memory is not formatted. • The Memory Card was formatted on a PC. • The Memory Card contact area is soiled. <ul style="list-style-type: none"> • Camera fault. 	<ul style="list-style-type: none"> • Format the Memory Card or internal memory on the camera (→p.84). • Format the Memory Card on the camera. • Wipe the contact area on the Memory Card with a soft, dry cloth. It may be necessary to format the Memory Card (→p.84). If the message still appears, replace the Memory Card. • Contact your FUJIFILM dealer.

Continued ➔

Warning Displayed	Explanation	Remedy
[CARD ERROR]	<ul style="list-style-type: none"> • The Memory Card contact area is soiled. • The Memory Card format is incorrect. • Camera fault. • The Memory Card is damaged. • Inserted Memory Card is not compatible with your camera. 	<ul style="list-style-type: none"> • Wipe the contact area on the Memory Card with a soft, dry cloth. It may be necessary to format the Memory Card (→p.84). If the message still appears, replace the Memory Card. • Contact your FUJIFILM dealer. • Insert a compatible Memory Card that is operation-checked at FUJIFILM Corporation (→p.16).
 MEMORY FULL  MEMORY FULL	The internal memory or Memory Card is full.	Erase some images in internal memory or Memory Card (→p.36), or use a Memory Card that has ample free space.
[WRITE ERROR]	<ul style="list-style-type: none"> • The data could not be recorded due to a Memory Card error or a connection error between the Memory Card and camera. • The image cannot be recorded as it is too large to fit in the available space on the Memory Card. • The Memory Card or internal memory is not formatted. 	<ul style="list-style-type: none"> • Re-insert the Memory Card or turn the camera off and then on again. If the message still appears, contact your FUJIFILM dealer. • Use a new Memory Card. • Format the Memory Card or internal memory on the camera (→p.84).
[PROTECTED CARD]	The SD Memory Card switch is slide to the "Lock" side.	Unlock the protection by sliding it back (→p.17).
[INTERNAL MEMORY IS FULL] [INSERT A NEW CARD]	The data could not be recorded or copied since the internal memory is full.	Erase some images from the internal memory (→p.36), or use a Memory Card that has ample free space.
[BUSY]	The timing for recording was incorrect because the Memory Card was formatted on a PC.	Use a Memory Card that was formatted on the camera.
[FRAME NO. FULL]	The frame number has reached 999-9999.	<ol style="list-style-type: none"> ① Insert a formatted Memory Card into the camera. ② Set [RENEW] as the [FRAME NO.] setting in the [SET-UP] menu (→p.81). ③ Start taking pictures (The frame number starts from "100-0001"). ④ Set [CONT.] as the [FRAME NO.] setting in the [SET-UP] menu.

Warning Displayed	Explanation	Remedy
[READ ERROR]	<ul style="list-style-type: none"> • The played back file was not recorded correctly. • The Memory Card contact area is soiled. • Camera fault. • An attempt was made to play back the image or the movie that was not recorded on this camera. 	<ul style="list-style-type: none"> • This file cannot be played back. • Wipe the contact area on the Memory Card with a soft, dry cloth. It may be necessary to format the Memory Card (→p.84). If the message still appears, replace the Memory Card. • Contact your FUJIFILM dealer. • The movie and image cannot be played back.
[TOO MANY FRAMES]	An attempt was made to show 5,000 or more image by date sorting.	No more than 4,999 images can be shown by date sorting.
[PROTECTED FRAME]	<ul style="list-style-type: none"> • An attempt was made to erase a protected file. • An attempt was made to rotate a protected file. 	<ul style="list-style-type: none"> • Protected files cannot be erased. Remove the protection (→p.67). • Protected files cannot be rotated. Remove the protection (→p.67).
 NO IMAGE  NO IMAGE	An attempt was made to transfer images from the Memory Card or internal memory that memory was empty.	It is impossible to copy.
 CAN NOT TRIM	An attempt was made to trim a 0.3M image.	The image cannot be trimmed.
[CAN NOT TRIM]	<ul style="list-style-type: none"> • An attempt was made to trim an image shot using a camera other than FinePix F480 / FinePix F485. • The image is damaged. 	The image cannot be trimmed.
[DPOF FILE ERROR]	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 Memory Card is 999. Copy the images for which you want to order prints onto another Memory Card and then specify the DPOF settings.
 CAN NOT SET DPOF	An attempt was made to specify DPOF settings for a movie or an image that is not supported by DPOF.	DPOF printing cannot be used with this image format.

Continued ➡

Warning Displays

Warning Displayed	Explanation	Remedy
[CAN NOT ROTATE] [🚫 CAN NOT ROTATE]	An attempt was made to rotate a movie or an image shot using a camera other than FinePix F480 / FinePix F485.	These images cannot be rotated by image formats.
[COMMUNICATION ERROR]	The camera is not connected to a PC or printer.	<ul style="list-style-type: none"> • Check that the USB cable is connected correctly. • Check that your PC or printer is turned on.
[PRINTER ERROR]	Displayed for PictBridge.	<ul style="list-style-type: none"> • Check that the printer is not out of paper or out of ink. • Turn the printer off briefly and then turn it back on. • Refer to the user manual supplied with your printer.
[PRINTER ERROR RESUME?]	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 MENU/OK to restart printing.
[CANNOT BE PRINTED]	Displayed for PictBridge.	<ul style="list-style-type: none"> • 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. • Movie images cannot be printed. • Was the image data photographed using FinePix F480 / FinePix F485? You may not be able to print some images photographed on other cameras.

Troubleshooting






















■ Getting ready

Matters	Problems	Possible causes	Solutions	Page
Batteries and power supply	Nothing happens when pressing POWER.	The batteries have run out.	Load fully charged batteries.	12, 22
		The batteries are loaded backward.	Load the batteries in the correct direction.	14
		The battery cover is not closed securely.	Close the battery cover securely.	14
		The camera and AC power adapter are not connected correctly.	Connect the camera and AC power adapter correctly.	–
	Batteries run out quickly.	Camera is used in extremely cold conditions.	Put the batteries in your pocket or another warm place to heat it and then load it into the camera just before you take a picture.	12, 22
		The battery terminals are soiled.	Wipe the battery terminals with a clean, dry cloth.	22
		Same batteries have been used for a long period.	The batteries can no longer be recharged. Load new batteries.	12, 22
	Power cuts out during operation.	The batteries have run out.	Load fully charged batteries.	12, 22
		The AC power adapter plug has come out of the power outlet.	Plug the adapter back in.	–
Charging a battery	Charging does not begin.	The battery is loaded backward.	Load the battery in the correct direction.	14
		The battery charger and connection cord are not connected correctly.	Connect the battery charger and connection cord correctly.	14
		The battery terminals are soiled.	Take the battery out briefly and wipe the battery terminals with a clean, dry cloth before reloading it.	–
		The battery can no longer be recharged.	Load a new battery. If the battery still fails to charge, contact your FUJIFILM dealer.	–

■ Setting menu etc.

Matters	Problems	Possible causes	Solutions	Page
LCD monitor display	Screens are not displayed in English.	A language other than English is selected in the [言語/LANG.] setting in the [SET-UP] menu.	Select [ENGLISH].	24

Continued →

Matters	Problems	Possible causes	Solutions	Page
Flash	Cannot use the flash.	The shutter button was pressed while the flash was charging.	Wait until the charging is completed before pressing the shutter button.	50
		The Shooting mode is set to  ,  ,  ,  ,  , or  .	Change the Shooting mode.	41
		The batteries have run out.	Load fully charged batteries.	12, 22
		The flash is set to [ SUPPRESSED FLASH] mode.	Set to another flash mode excluding the [ SUPPRESSED FLASH] mode.	49
	The flash settings are restricted and cannot be selected.	The Shooting mode is set to [AUTO],  ,  ,  ,  ,  ,  ,  ,  ,  ,  ,  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.	41, 50
	The playback image is dark even though the flash was used.	The subject is too far away.	Move to within the effective flash range before taking the picture.	48, 50
		Your finger was covering the flash.	Hold the camera correctly.	25
Photographed images	The image is blurred.	The lens is dirty.	Clean the lens.	–
		!AF appeared when taking pictures.	Check the focus on the subject and take pictures.	26, 29, 107
		!  appeared when taking pictures.	It may cause camera shake. Hold the camera steadily.	27, 107
	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.	–

Continued ➔

■ Shooting

Matters	Problems	Possible causes	Solutions	Page
Recording images	Photographed images or movies are not recorded.	AC power adapter was connected or disconnected during turning the camera on.	Connect or disconnect the AC power adapter and DC coupler only when the camera is off. Failing to turn the camera off first can result in damage to the Memory Card or malfunctions during PC connection.	-

■ Playing back

Matters	Problems	Possible causes	Solutions	Page
Playing back movie	The camera does not emit any sound.	The camera volume is set too low.	Adjust the volume.	77, 83
		The microphone was blocked during shooting/recording.	Take care not to block the microphone during shooting/recording.	10, 75
		There is something covering the speaker during playback.	Make sure that the speaker is uncovered.	10, 77
Erasing	Erasing [FRAME] does not erase the frame.	Some frames may be protected.	Unprotect frames using the camera on which the protection was first applied.	67
	Erasing [ALL FRAMES] does not erase all the frames.			
Frame No.	[CONT.] in the frame number setting does not function.	You opened the battery cover without turning the camera off when replacing the batteries or Memory Card.	Always turn the camera off when replacing the batteries or Memory Card. Opening the battery cover without turning the camera off may cause the frame number memory to not function.	19

■ Connecting

Matters	Problems	Possible causes	Solutions	Page
Connecting to TV	There is no image or sound on the TV.	The camera is not connected to the TV correctly.	Connect the camera and TV correctly.	87
		The included video cable or A/V cable was connected during movie playback.	After the movie playback mode is stopped, connect the camera and TV correctly.	76, 87
		"TV" is selected as the TV input.	Set the TV input to "VIDEO".	–
		The video output setting is incorrect.	Change the setting to [NTSC] or [PAL].	78, 80
		The TV volume is turned down.	Adjust the volume.	–
	The TV image is black and white.	The video output setting is incorrect.	Change the setting to [NTSC] or [PAL].	78, 80
Connecting to PC	PC does not recognize the camera.	The USB cable is not correctly connected to the PC or camera.	Set up the camera, and connect the USB cable correctly.	97
Connecting to printer	Cannot print with PictBridge.	<ul style="list-style-type: none"> The USB cable is not correctly connected to the printer or camera. The printer is not turned on. 	<ul style="list-style-type: none"> Set up the camera, and connect the USB cable correctly. Turn the printer on. 	88

Continued ➔

■ Others

Matters	Problems	Possible causes	Solutions	Page
Camera operation etc.	Nothing happens when pressing the buttons on the camera.	Camera malfunction may be caused temporarily.	Briefly remove the battery / DC coupler, or disconnect the AC power adapter and DC coupler. Then reload the battery / DC coupler or reconnect the AC power adapter and DC coupler and try again.	12, 22
		The batteries have run out.	Load fully charged battery.	12, 22
	The camera no longer works correctly.	Camera malfunction may be caused temporarily.	Briefly remove the battery / DC coupler, or disconnect the AC power adapter and DC coupler. Then reload the battery / DC coupler or reconnect the AC power adapter and DC coupler and try again. If you think the camera is faulty, contact your FUJIFILM dealer.	12, 14, 22

Specifications

System	
Model	Digital camera FinePix F480 / FinePix F485
Effective pixels	8.15 million pixels
CCD	1/2.5-inch
Storage media	Internal memory (approx. 12 MB)/ xD-Picture Card (16/32/64/128/256/512 MB/1 GB/2 GB) /SD/SDHC Memory Card (FUJIFILM recommendation (→p.16))
File format	Still image: DCF-compliant Compressed: Exif ver.2.2 JPEG, DPOF-compatible *Design rule for Camera File System compliant/DPOF compatible Movie: AVI format, Motion JPEG Audio: Monaural sound
Number of recorded pixels	Still image: 3264 × 2448 pixels/3264 × 2176 pixels/ 2304 × 1728 pixels/1600 × 1200 pixels/ 640 × 480 pixels (8M / 3.2 / 4M / 2M / 0.8M)
File size	See the table on the p.122
Lens	4x optical zoom lens F2.7-F5.4
Focal length	f=4.6 mm-18.4 mm (Equivalent to approx. 28 mm-112 mm on a 35 mm camera)

Continued ➔

Specifications

System	
Digital zoom	Approx. 6.9x (4x optical zoom lens is used together: Max. zoom scale: approx. 27.6x)
Aperture (Wide-angle)	F2.7/F5.4
Focal range	Normal: approx. 40 cm (1.3 ft.) to infinity Macro: wide-angle: approx. 5 cm (1.9 in.) to 80 cm (2.6 ft.) telephoto: approx. 30 cm (1.0 ft.) to 80 cm (2.6 ft.)
Sensitivity	AUTO/Equivalent to ISO 100/200/400/800 (Standard output sensitivity)
Photometry	TTL 64-zones metering
Exposure control	Program AE
Scene position	☺ (BABY MODE)/👤 (PORTRAIT)/ ▲ (LANDSCAPE)/⚽ (SPORT)/🌃 (NIGHT)/ 🌿 (NATURAL LIGHT)/🏖️ (BEACH)/❄️ (SNOW)/💣 (FIREWORKS)/🌅 (SUNSET)/🌸 (FLOWER)/ 🎉 (PARTY)/🏛️ (MUSEUM)/📄 (TEXT)
Exposure compensation	-2 EV to +2 EV in 1/3 EV-step increments (📷)
Shutter speed	4 sec. to 1/1500 sec. (depend on Exposure mode)
Continuous shooting	Number of recorded frames: up to 3 frames (Max. 0.6 frames/sec.)
Focus	Mode: Single-AF AF system: TTL contrast-type AF frame selection: AF (CENTER)

System	
White balance	Automatic scene recognition/Preset (Fine, Shade, Fluorescent (Daylight), Fluorescent (Warm White), Fluorescent (Cool White), Incandescent light)
Self-timer	Approx. 2 sec./10 sec.
Flash type	Auto flash Effective range: (80) AUTO Wide-angle: approx. 50 cm-4.0 m (1.6 ft.-13.1 ft.) Telephoto: approx. 50 cm-2.2 m (1.6 ft.-7.2 ft.) Macro: approx. 50 cm-80 cm (1.6 ft.-2.6 ft.)
Flash mode	Auto, Red-eye Reduction, Forced Flash, Suppressed Flash, Slow Synchro, Red-eye Reduction + Slow Synchro
LCD monitor	2.7 inches, Aspect ratio: 4:3; approx. 230,000 pixels Amorphous silicon TFT color LCD monitor, Approx. 100% coverage
Movie	320 x 240 pixels (820) (30 frames per second with monaural sound) A series of continuous image can be recorded depending on the available space on a Memory Card or internal memory. Zoom cannot be used during movie recording.
Photography functions	Best framing, Frame NO. memory
Playback functions	Trimming, Slide show, Multi-frame playback, Sorting by date, Image rotate
Other functions	PictBridge, Exif print, Language (日本語, English, Francais, Deutsch, Español, Italiano, 中文簡, 繁體, 한글, Русский, Português, Nederlands, Türkçe, Český, Magyar, Polski, Svenska), Time difference
Input/Output Terminal	
A/V OUT (Audio/Visual output)	NTSC/PAL-type (with monaural sound)
Digital input/output	USB 2.0 High-Speed, PTP (Picture Transfer Protocol)/MTP (Media Transfer Protocol)
Power Supply and Others	
Power supply	Rechargeable Battery NP-40N, AC power adapter AC-5VX (sold separately), DC coupler CP-40N (sold separately)

Continued ➔

Power Supply and Others**Guide to the number of available frames for battery operation**

Battery Type	Number of frames
NP-40N	Approx. 150 frames

According to the CIPA (Camera & Imaging Products Association) standard procedure for measuring digital still camera battery consumption (extract):

When using a battery, use the battery supplied with the camera. The storage media should be **xD-Picture Card**.

Pictures should be taken at a temperature of +23°C (+73°F), 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.

- Note: Because the number of available shots varies depending on the level of charge in the battery, the figures shown here for the number of available shots using the battery is not guaranteed. The number of available shots will also decline at low temperatures.

Camera dimensions (W/H/D)	95.6 mm x 55.4 mm x 23.0 mm/3.7 in. x 2.1 in. x 0.9 in. (not including accessories and attachments)
Camera mass (weight)	Approx. 140 g/4.9 oz. (not including accessories, battery and Memory Card)
Weight for photography	Approx. 159 g/5.6 oz. (including battery and Memory Card)
Operating Conditions	Temperature: 0°C to +40°C (+32°F to +104°F) 80% humidity or less (no condensation)

Battery NP-40N	
Nominal voltage	DC 3.6V
Nominal capacity	760 mAh
Operating temperature	0°C to +40°C (+32°F to +104°F)
Dimensions	35.3 mm x 40.0 mm x 5.85 mm (1.4 in. x 1.6 in. x 0.2 in.) (W x H x D)
Mass (Weight)	Approx. 18 g (0.6 oz.)
Battery Charger BC-40N	
Rated input	110-240 V AC, 50/60 Hz
Input capacity	7 VA
Rated output	4.2 V DC, 550 mA
Applicable batteries	Rechargeable Battery NP-40N
Charging time	Approx. 120 minutes
Dimensions	88.0 mm x 54.0 mm x 20.0 mm (3.5 in. x 2.1 in. x 0.7 in.) (L x W x D)
Mass (Weight)	Approx. 58 g (2.0 oz.) (excluding batteries)
Operating temperatures	0°C to + 40°C (+ 32°F to + 104°F)

Notes on Using the Battery Charger

Use with the following power supply cord set:
Cord: UL Listed, Type SPT-2, No.18 AWG, rated 300V, 10A, minimum 4 ft (1.2m), maximum 10 ft (3m) long. One end terminates in a molded-on, parallel-blade, (non-polarized) attachment plug with a 7A, 125V (NEMA 1-15P) configuration.

- The battery and battery charger themselves will become warm due to the power stored inside them. This is normal and does not indicate a fault. Wherever possible, use the battery charger in a well-ventilated location.
- There may be vibration noises from inside the battery charger during use. This is normal and does not indicate a fault.
- Do not use the battery charger to charge batteries other than rechargeable battery NP-40N.
- The battery charger could cause interference if placed close to a radio during charging. In this event, move the radio and charger further apart.
- Do not leave the battery charger in the following types of locations:
 - Extremely humidity or high temperatures, such as close to a heating appliance or in direct sunlight
 - Places with strong vibration
 - In very dusty places
- The battery charger accepts input voltages of 110-240 V AC at 50 or 60 Hz and can be used all over the world. However, the shape of the plug and socket-outlet depends on the country of use. Consult your travel agent for details.

Continued ➔

■ Standard number of available frames/recording time per xD-Picture Card, SD Memory Card and internal memory

The number of available frames and recording time is approximate. The actual number of frames and recording time varies depending on the type of Memory Card or shooting conditions. Also, the number of frames and recording time displayed in the LCD monitor may not decrease regularly.

Quality setting	8M F	8M N	3:2	4M	2M	3M	320 (30 fps)	
Number of recorded pixels	3264 × 2448		3264 × 2176	2304 × 1728	1600 × 1200	640 × 480	320 × 240	
Image data size	4.0 MB	2.0 MB	2.0 MB	980 KB	630 KB	130 KB	QVGA (30 fps)	
Internal memory (approx.12 MB)	2	5	6	11	19	93	20 sec.	
xD-Picture Card	16 MB	3	7	8	15	25	123	27 sec.
	32 MB	7	15	17	31	50	247	54 sec.
	64 MB	16	32	35	64	101	497	110 sec.
	128 MB	32	64	72	128	204	997	221 sec.
	256 MB	64	129	145	257	409	1997	7.4 min.
	512 MB	130	259	290	515	818	3993	14.8 min.
	1 GB	260	519	581	1031	1639	7995	29.6 min.
	2 GB	519	1031	1162	2063	3198	15992	59.2 min.
SD Memory Card	512 MB	126	251	281	498	793	3867	14.3 min.
	1 GB	252	503	563	999	1588	7745	28.7 min.
	2 GB	505	1007	1126	1998	3177	15490	57.3 min.
SDHC Memory Card	4 GB	1008	2001	2256	4002	6204	31024	114.8 min.
	8 GB	2005	3978	4485	7957	12334	61672	228.3 min.

* A movie recording will stop automatically when a movie file becomes approx. 2GB. If you want to continue recording, press the shutter button again. The available recording time is displayed based on approx. 2GB.

If you shoot using the **xD-Picture Cards** with model numbers containing "M" such as DPC-M2GB, movie recording time may be reduced if you repeatedly record and erase (frame erase) image files. In such a case, erase all frames or format the **xD-Picture Card** before use. Back up important frames (files) onto your PC or another media.

- * 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

EV

A number 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 Photographic 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.

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.

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

FUJIFILM Digital Camera Worldwide Network

If you have technical questions or if you need repair service, ask the following local distributor.

Please present the warranty card and your purchase receipt when you ask for repairs. Refer to the warranty card for conditions of the warranty.

There is a case that repair and Technical support cannot be accepted for some models which your local distributor does not deal with.

These lists are subject to change without notice.

NORTH AMERICA		
Canada	FUJIFILM Canada Inc.	600 Suffolk Court Mississauga Ontario, L5R 4G4
	Technical support	TEL 1-866-818-FUJI (3854) http://www.fujihelp.ca
	Repair service	600 Suffolk Court Mississauga Ontario, L5R 4G4 TEL 1-800-263-5018 FAX 1-905-755-2993 http://www.fujihelp.ca
U.S.A.	FUJIFILM U.S.A., Inc.	1100 King George Post Rd., Edison, NJ 08837
	Technical support	TEL 800-800-3854 FAX 732-857-3487 digitalinfo@fujifilm.com
	Repair service	1100 King George Post Rd., Edison, NJ 08837 TEL 732-857-3000 FAX 732-857-3471 njcamerarepair@fujifilm.com
Hawaii	FUJIFILM Hawaii, Inc.	94-468 Akoki Street, Waipahu, HI. 96797
	Technical support & Repair service	TEL 1-808-677-3854, ext. 209 FAX 1-808-677-1443 kurt_kmett@fujifilmhawaii.com
CENTRAL & SOUTH AMERICA		
Argentina	Imagen e informacion S.A.	Fondo de la Legua 936 San Isidro Pcia. de Buenos Aires
	Technical support & Repair service	TEL +54-11-4836-1000 FAX +54-11-4836-1144 servtec@imageneinformacion.com.ar
Bolivia	Reifschneider Bolivia Ltda.	Calle H N.º 5 - Equipetrol Norte - Santa Cruz
	Technical support & Repair service	TEL +591 33 44 1129 FAX +591 33 45 2919 gciagral@bibosi.scz.entelnet.bo
Brazil	FUJIFILM do Brasil Ltda.	Av. Vereador José Diniz, 3400 - Campo Belo, São Paulo/SP
	Technical support & Repair service	TEL 0800-12-8600 FAX +55 11 5091-4150 camarasdigitais@fujifilm.com.br
Chile	Reifschneider SA	Av. El Conquistador del Monte 5024, Huechuraba, Santiago, Chile
	Technical support & Repair service	TEL 02-4431500 FAX 02-4431596 ceciliacalvo@reifschneider.cl
Colombia	Animex de Colombia Ltda.	Calle 44 N.º 13-43 Piso 2 Apartado 18001 - Bogotá
	Technical support & Repair service	TEL +57 1 338-0299 FAX +57 1 288-2208 animex@etb.net.co
Ecuador	Espacri Cia Ltda	Bolivar 5-69 y Hermano Miguel
	Technical support & Repair service	TEL 593-72-835526 FAX 593-72-833157

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Mexico	Fujifilm de Mexico, S.A. de C.V. Technical support Repair service	Av. Ejercito Nacional 351, Col. Granada 11520 Mexico, D.F. TEL (52-55) 5263-5566 / 68 FAX (52-55) 5254-1508 jlgiraud1@fujifilm.com.mx Av. Presidente Juarez 2007, Col. Tepetlalcayo, 54090 Tlalneantla, Edo. de Mexico TEL (52-55) 5263-5500 FAX (52-55) 5254-1508 jlgiraud1@fujifilm.com.mx
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Uruguay	Kiel S.A. Technical support & Repair service	Maldonado 1787 Montevideo- Uruguay TEL (05982) 419 4542 FAX (05982) 412 0046 kiel@fujifilm.com.uy
Venezuela	C. Hellmund & Cia Sa Technical support & Repair service	Av. Ppal Diego Cisneros Caracas Venezuela Edf Oficentro TEL 0212-2022300 FAX 0212-2399796 hellmund@hellmund.com

EUROPE

Austria	Fuji Film Oesterreich Technical support & Repair service	Traviatagasse/Pfarrgasse, 1230 Vienna, Austria TEL 0043 1 6162606/51 or 52 FAX 0043 1 6162606/58 kamera.service@fujifilm.at
Belgium	Belgian Fuji Agency Technical support & Repair service	20, Avenue Lavoisier, Wavre, 1300, Belgium TEL 3210242090 FAX 3210238562 info@fuji.be
Croatia	I&I d.o.o. Technical support Repair service	Hondlova 2, Zagreb, Croatia TEL 38512319060 FAX 2310240 dsaravanja@fujifilm.hr Hondlova 2, Zagreb, Croatia TEL 38512316228 FAX 2310240 info@fujifilm.hr
Cyprus	PMS IMAGING LTD Technical support & Repair service	11, Dighenis Akritas Avenue, P.O.BOX 22315, 1586 Nicosia TEL 35722746746 FAX 35722438209 mariosashiotis@fujifilm.com.cy

Cyprus	Doros Neophytou CAMERA REPAIRS Technical support & Repair service	28B, Agiou Demetriou, Acropoli, Nicosia TEL 35722314719 FAX 35722515562 dorosn@logosnet.cy.net
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Hungary	Fujifilm Hungary Ltd. Technical support	Váci ut 19. Budapest, 1134, Hungary TEL 3612389410 FAX 3612389401 fujifilm@fujifilm.hu
Iceland	Icephoto (Ljosmyndavorur) Technical support & Repair service	Skipholt 31, 105 Reykjavik, Iceland TEL 354 568 0450 FAX 354 568 0455 framkollun@fujifilm.is
Italy	FujiFilm Italia S.p.A. Technical support Repair service	Via Dell'Unione Europea, 4 - 20097 San Donato Milanese (MI), Italy TEL 039-02895821 FAX 039-0289582912 info@fujifilm.it Fujifilm On Line - Call center TEL 039-026695272 info@fujifilm.it
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Qatar	Techno Blue Technical support	Blue Salon Bldg, 3rd Floor, Suhaim bin Hamad st, Al- Saad, Doha TEL 00974 44 66 175 FAX 00974 44 79 053 prabu@techno-blue.com
Saudi Arabia	Emam Distribution Co. Ltd. Technical support	P.O. Box 1716, Jeddah 21441, Saudi Arabia TEL 96626978756 FAX 96626917036 service@fujifilm.com.sa

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Egypt	Foto Express Egypt Technical support & Repair service	426 Pyramids St., Giza, Egypt TEL (202) 7762062 FAX (202) 7760169 fotoegypt@access.com.eg
Kenya	Fuji Kenya Ltd Repair service	P.O.Box 41669-00100, Fuji Plaza, Chiromo Road, Nairobi, Kenya. TEL (254-20)4446265-8 FAX (254-20)4448515 / 7 info@fujifilm.co.ke
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