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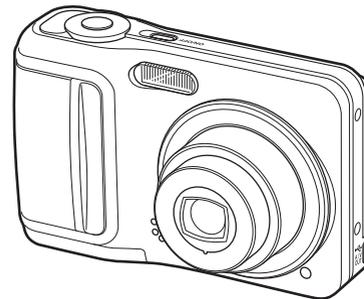
FUJIFILM

DIGITAL CAMERA

A850

Owner's Manual

Thank you for your purchase of this product. This manual describes how to use your FUJIFILM A850 digital camera and the supplied software. Be sure that you have read and understood its contents before using the camera.



For information on related products, visit our website at <http://www.fujifilm.com/products/index.html>



BL00772-201(1) **E**

Before You Begin

First Steps

Basic Photography and Playback

More on Photography

More on Playback

Movies

Connections

Menus

Technical Notes

Troubleshooting

Appendix

FUJIFILM

FUJIFILM Corporation

7-3, AKASAKA 9-CHOME, MINATO-KU, TOKYO 107-0052, JAPAN

http://www.fujifilm.com/products/digital_cameras/index.html

Printed in China

For Your Safety

IMPORTANT SAFETY INSTRUCTIONS

- **Read Instructions:** All the safety and operating instructions should be read before the appliance is operated.
- **Retain Instructions:** The safety and operating instructions should be retained for future reference.
- **Heed Warnings:** All warnings on the appliance and in the operating instructions should be adhered to.
- **Follow Instructions:** All operating and use instructions should be followed.

Installation

Power Sources: This video product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For video products intended to operate from battery power, or other sources, refer to the operating instructions.

Grounding or Polarization: This video product is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

Alternate Warnings: This video product is equipped with a three-wire grounding-type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding type plug.

Overloading: Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

Ventilation: Slots and openings in the cabinet are provided for ventilation, to ensure reliable operation of the video product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the video product on a bed, sofa, rug, or other similar surface.

This video product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to. This video product should never be placed near or over a radiator or heat register.

Attachments: Do not use attachments not recommended by the video product manufacturer as they may cause hazards.

Water and Moisture: Do not use this video product near water—for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.

Power-Cord Protection: Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

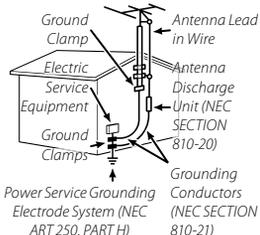
Accessories: Do not place this video product on an unstable cart, stand, tripod, bracket, or table. The video product may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the video product. Any mounting of the appliance should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

Antennas

Outdoor Antenna Grounding: If an outside antenna or cable system is connected to the video product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No. 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE



Power Lines: An outside antenna system should not be located in the vicinity of overhead power lines or

other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

Use

Cleaning: Unplug this video product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

Object and Liquid Entry: Never push objects of any kind into this video product through openings as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the video product.

Lightning: For added protection for this video product receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the video product due to lightning and power-line surges.

Service

Service: Do not attempt to service this video product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

Damage Requiring Service: Unplug this video product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power-supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen into the video product.
- If the video product has been exposed to rain or water.
- If the video product has been dropped or the cabinet has been damaged.

If the video product does not operate normally follow the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the video product to its normal operation.

When the video product exhibits a distinct change in performance—this indicates a need for service.

Replacement Parts: When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

Safety Check: Upon completion of any service or repairs to this video product, ask the service technician to perform safety checks to determine that the video product is in proper operating condition.

Be sure to read these notes before use

Safety Notes

- Make sure that you use your camera correctly. Read these safety notes and your *Owner's Manual* carefully before use.
- After reading these safety notes, store them in a safe place.

About the Icons

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

	This icon indicates that death or serious injury can result if the information is ignored.
	This icon indicates that personal injury or material damage can result if the information is ignored.

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

	Triangular icons tell you that this information requires attention ("Important").
	Circular icons with a diagonal bar tell you that the action indicated is prohibited ("Prohibited").
	Filled circles with an exclamation mark indicate an action that must be performed ("Required").

WARNING

-  **If a problem arises, turn the camera off and remove the batteries.** Continued use of the camera when it is emitting smoke, is emitting any unusual odor, or is in any other abnormal state can cause a fire or electric shock. Contact your FUJIFILM dealer.
-  **Do not allow water or foreign objects to enter the camera.** If water or foreign objects get inside the camera, turn the camera off and remove the batteries. Continued use of the camera can cause a fire or electric shock. Contact your FUJIFILM dealer.

 WARNING	
 <small>Do not use in the bathroom or shower</small>	Do not use the camera in the bathroom or shower. This can cause a fire or electric shock.
 <small>Do not disassemble</small>	Never attempt to change or take apart the camera. (Never open the casing.) Do not use the camera when it has been dropped or the casing is damaged. This can cause a fire or electric shock. Contact your FUJIFILM dealer.
	Do not change, heat or unduly twist or pull the connection cord and do not place heavy objects on the connection cord. These actions could damage the cord and cause a fire or electric shock. If the cord is damaged, contact your FUJIFILM dealer.
	Do not place the camera on an unstable surface. This can cause the camera to fall or tip over and cause injury.
	Never attempt to take pictures while in motion. Do not use the camera while you are walking or driving a vehicle. This can result in you falling down or being involved in a traffic accident.
	Do not touch any metal parts of the camera during a thunderstorm. This can cause an electric shock due to induced current from the lightning discharge.
	Do not use the batteries except as specified. Load the batteries as shown by the indicator.
	Do not heat, change or take apart the batteries. Do not drop or subject the batteries to impacts. Do not store the batteries with metallic products. Any of these actions can cause the batteries to burst or leak and cause fire or injury as a result.
	Use only the batteries specified for use with this camera. The use of other power sources can cause a fire.
	If the batteries leak and fluid gets in contact with your eyes, skin or clothing, flush the affected area with clean water and seek medical attention or call an emergency number right away.
	When carrying the batteries, install them in a digital camera or keep them in the hard case. When storing the batteries, keep them in the hard case. When discarding, cover the battery terminals with insulation tape. Contact with other metallic objects or batteries could cause the batteries to ignite or burst.
	Keep memory cards out of the reach of small children. Because memory cards are small, they can be swallowed by children. Be sure to store memory cards out of the reach of small children. If a child swallows a memory card, seek medical attention or call an emergency number.

 CAUTION	
	Do not use this camera in locations affected by oil fumes, steam, humidity or dust. This can cause a fire or electric shock.
	Do not leave this camera in places subject to extremely high temperatures. Do not leave the camera in locations such as a sealed vehicle or in direct sunlight. This can cause a fire.
	Keep out of the reach of small children. This product could cause injury in the hands of a child.
	Do not place heavy objects on the camera. This can cause the heavy object to tip over or fall and cause injury.
	Do not cover or wrap the camera in a cloth or blanket. This can cause heat to build up and distort the casing or cause a fire.
	When you are cleaning the camera or you do not plan to use the camera for an extended period, remove the batteries. Failure to do so can cause a fire or electric shock.
	When charging ends, unplug the charger from the power socket. Leaving the charger plugged into the power socket can cause a fire.
	Using a flash too close to a person's eyes may temporarily affect the eyesight. Take particular care when photographing infants and young children.
	When a memory card is removed, the card could come out of the slot too quickly. Use your finger to hold it and gently release the card.
	Request regular internal testing and cleaning for your camera. Build-up of dust in your camera can cause a fire or electric shock. Contact your FUJIFILM dealer to request internal cleaning every two years. Please note that this service is not free of charge.

Using Batteries

The following describes the proper use of batteries and how to prolong their life. Incorrect use can shorten battery life or cause leakage, overheating, fire, or explosion.

Compatible Batteries

The camera takes AA alkaline or rechargeable Ni-MH (nickel-metal hydride) batteries. Do not use manganese, nickel-cadmium (Ni-Cd), or lithium batteries, as the heat generated by these batteries could damage the camera or cause malfunction.

Battery capacity varies with make and storage conditions. Some commercially-available batteries may have less capacity than the batteries provided with the camera.

Cautions: Handling Batteries

- Do not use batteries that are leaking, deformed, or discolored. **Warning:** If the batteries leak, clean the battery compartment thoroughly before inserting new batteries. If fluid from the battery comes into contact with skin or clothing, flush the affected area with water. **If fluid enters your eyes, immediately flush the affected area with water and seek medical attention. Do not rub your eyes. Failure to observe this precaution could result in loss of eyesight.**
- Do not transport or store with metal objects such as necklaces or hairpins.
- Do not disassemble or modify the batteries or battery casing.
- Do not expose to strong physical shocks.
- Do not expose to water, flame, or heat, or store in warm or humid conditions.
- Keep out of reach of infants and small children.
- Insert in the correct orientation.
- Do not mix old and new batteries, batteries with different charge levels, or batteries of different types.
- If the camera will not be used for an extended period, remove the

batteries. Note that the camera clock will be reset (pg. 9).

- The batteries may be warm to the touch immediately after use. Turn the camera off and allow the batteries to cool before handling.
- Battery capacity tends to decrease at low temperatures. Keep spare batteries in a pocket or other warm place and exchange as necessary. Cold batteries may recover some of their charge when warmed.
- Fingerprints and other foreign matter on the battery terminals can reduce battery performance. Thoroughly clean the terminals with a soft, dry cloth before inserting the batteries in the camera.

Ni-MH Batteries

The capacity of Ni-MH batteries may be temporarily reduced when new, after long periods of disuse, or if they are repeatedly recharged before being fully discharged. This is normal and does not indicate a malfunction. Capacity can be increased by repeatedly discharging the batteries using the  **DISCHARGE** option in the camera setup menu (pg. 64) and recharging them using a battery charger (sold separately). Do not use this option with alkaline batteries.

The camera draws a small amount of current even when off. Ni-MH batteries that have been left in the camera for an extended period may be drawn down to the point that

they no longer hold a charge. Battery performance may also drop if the batteries are run down in a device such as a flashlight. Use the  **DISCHARGE** option in the camera setup menu to discharge Ni-MH batteries. Batteries that no longer hold a charge even after repeatedly being discharged and recharged have reached the end of their service life and must be replaced.

Ni-MH batteries can be recharged in a battery charger (sold separately). Batteries may become warm to the touch after charging. Refer to the instructions provided with the charger for more information. Use the charger with compatible batteries only.

Ni-MH batteries gradually lose their charge when not in use.

Disposal

Dispose of used batteries in accord with local regulations.

Using the Camera

To ensure that images are recorded correctly, do not subject the camera to impact or physical shocks while images are being recorded.

Electrical Interference

This camera may interfere with hospital or aviation equipment. Consult with hospital or airline staff before using the camera in a hospital or on an aircraft.

Liquid Crystal

In the event that the monitor is damaged, care should be taken to avoid contact with liquid crystal. Take the urgent action indicated should any of the following situations arise:

- **If liquid crystal comes in contact with your skin,** clean the area with a cloth and then wash thoroughly with soap and running water.
- **If liquid crystal enters your eyes,** flush the affected eye with clean water for at least 15 minutes and then seek medical assistance.
- **If liquid crystal is swallowed,** rinse your mouth thoroughly with water. Drink large quantities of water and induce vomiting, then seek medical assistance.

Take Test Shots

Before taking photographs on important occasions (such as at weddings or before taking the camera on a trip), take a test shot and view the result in the monitor to ensure that the camera is functioning normally. FUJIFILM Corporation can not accept liability for damages or lost profits incurred as a result of product malfunction.

NOTICES

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

Please read the "Safety Notes" (pages iii–iv) and make sure you understand them before using the camera.

Perchlorate Material—special handling may apply. See <http://www.dts.c.ca.gov/hazardouswaste/perchlorate>.

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.

EC Declaration of Conformity

We

Name: FUJIFILM Electronic Imaging Europe GmbH
Address: Benzstrasse 2
47533 Kleve, Germany

declare that the product

Product Name: FUJIFILM DIGITAL CAMERA A850
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 + A1
EMC: EN55022: 1998 + A1: 2000 + A2: 2003 Class B
EN55024: 1998 + A1: 2001 + A2: 2003
EN61000-3-2: 2000 + A2: 2005
EN61000-3-3: 1995 + A1: 2001 + A2: 2003

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



Kleve, Germany

September 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 Electrical and Electronic Equipment in Private Households**Disposal of Used Electrical and 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 this product, please contact your local city office, your household waste disposal service or the shop where you 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.

Notes on Copyright

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

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Note: The "Designed for Microsoft® Windows® XP" logo applies only to the camera and camera hardware driver.

About This Manual

Before using the camera, read this manual and the warnings on pages ii–vii. For information on specific topics, consult the sources below.

✓ **Camera Q & Apg. ix**

Know what you want to do but don't know the name for it? Find the answer in "Camera Q & A."

✓ **Troubleshootingpg. 67**

Having a specific problem with the camera? Find the answer here.

✓ **Glossarypg. 76**

The meanings of some technical terms may be found here.

✓ **Table of Contentspg. xi**

The "Table of Contents" gives an overview of the entire manual. The principal camera operations are listed here.

✓ **Warning Messages and Displayspg. 72**

Find out what's behind that flashing icon or error message in the monitor.

 **Memory Cards**

Pictures can be stored in the camera's internal memory or on optional SD and SDHC memory cards. In this manual, SD memory cards are referred to as "memory cards." For more information, see page 5.

Camera Q & A

Find items by task.

Camera Setup

Question	Key phrase	See page
How do I set the camera clock?	Date and time	9
Can I set the clock to local time when I travel?	Time difference	63
How do I keep the monitor from turning off automatically?	Auto power off	62
How do I make the monitor brighter or darker?	LCD brightness	61
How do I stop the camera beeping?	Operation volume	58
What are the parts of the camera called?	Parts of the camera	2
What do the icons in the monitor mean?	Monitor	3
How do I use the menus?	Menus	45
What's behind that flashing icon or error message in the monitor?	Messages and displays	72
How much charge is left in the battery?	Battery level	10
Can I increase the capacity of rechargeable Ni-MH batteries?	Discharge	64

Sharing Pictures

Question	Key phrase	See page
Can I print pictures on my home printer?	Printing pictures	34
Can I copy my pictures to my computer?	Viewing pictures on a computer	39

Taking Pictures

Question	Key phrase	See page
How many pictures can I take?	Memory capacity	79
Is there a quick and easy way to take snapshots?	AUTO mode	10
Is there a simple way to adjust settings for different scenes?	Shooting mode	21
How do I shoot close-ups?	Close-ups (macro mode)	17
How do I keep the flash from firing?	Flash mode	18
How do I stop my subjects' eyes glowing red when I use the flash?		
How do I "fill-in" shadows on back-lit subjects?		
How do I take a group portrait that includes the photographer?	Self-timer mode	19
How do I frame pictures with the subject off to one side?	Focus lock	15
How do I shoot movies?	Recording movies	30

Viewing Pictures

Question	Key phrase	See page
How do I view my pictures?	Viewing pictures	14
How do I get rid of unwanted pictures?	Deleting pictures	14
How do I delete a lot of pictures at once?	Erase	28
Can I zoom in on pictures during playback?	Playback zoom	26
How do I view a lot of pictures at once?	Multi-frame playback	26
How do I view all pictures taken on the same day?	Sort by date	27
Can I protect my pictures from accidental deletion?	Protect	52
Can I hide the icons in the monitor when viewing my pictures?	Choosing a display format	25
How do I view my pictures on TV?	Viewing pictures on TV	33

Table of Contents

For Your Safety	ii
IMPORTANT SAFETY INSTRUCTIONS	ii
Safety Notes	iii
NOTICES	vi
About This Manual	viii
Camera Q & A	ix

Before You Begin

Introduction	1
Symbols and Conventions	1
Supplied Accessories	1
Parts of the Camera	2
The Monitor	3

First Steps

Inserting the Batteries	4
Inserting a Memory Card	5
Turning the Camera on and Off	8
Basic Setup	9

Basic Photography and Playback

Taking Pictures in AUTO Mode	10
Viewing Pictures	14

More on Photography

Focus Lock	15
 Close-ups (Macro Mode)	17
 Using the Flash	18
 Using the Self-Timer	19
 Shooting Mode	21
Selecting a Shooting Mode	21
Shooting Modes	22

More on Playback

Playback Options	25
Playback Zoom	26
Multi-Frame Playback	26
Sort by Date	27
 Deleting Pictures	28

Movies

 Recording Movies	30
 Viewing Movies	32

Connections

Viewing Pictures on TV	33
Printing Pictures via USB	34
Connecting the Camera	34
Printing Selected Pictures	34
Printing the DPOF Print Order	35
Creating a DPOF Print Order	37
Viewing Pictures on a Computer	39
Installing FinePixViewer	39
Connecting the Camera	43

Menus

The Shooting Menu	45
Using the Shooting Menu	45
Shooting Menu Options	46
 ISO	46
 QUALITY	47
 EXP. COMPENSATION	48
 WHITE BALANCE	49

The Playback Menu	50	Technical Notes	
Using the Playback Menu	50	Optional Accessories	65
Playback Menu Options.....	50	Caring for the Camera	66
 SLIDE SHOW	51	Troubleshooting	
 PROTECT	52	Troubleshooting	67
 COPY.....	53	Warning Messages and Displays	72
 IMAGE ROTATE.....	55	Appendix	
 TRIMMING	56	Glossary	76
The Setup Menu	57	Flash Mode and Shooting Mode	78
Using the Setup Menu	57	Internal Memory/Memory Card Capacity	79
Setup Menu Options.....	58	Specifications	80
 IMAGE DISP	59	FUJIFILM Digital Camera Worldwide Network	84
 FRAME NO.	60		
 DIGITAL ZOOM	61		
 LCD POWER SAVE	61		
 PLAYBACK VOLUME.....	61		
 LCD BRIGHTNESS	61		
 FORMAT.....	62		
 AUTO POWER OFF	62		
 TIME DIFFERENCE	63		
 DISCHARGE	64		

Introduction

Symbols and Conventions

The following symbols are used in this manual:

 **Caution:** This information should be read before use to ensure correct operation.

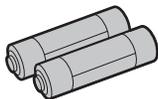
 **Note:** Points to note when using the camera.

 **Tip:** Additional information that may be helpful when using the camera.

Menus and other text in the camera monitor are shown in bold. In the illustrations in this manual, the monitor display may be simplified for explanatory purposes.

Supplied Accessories

The following items are included with the camera:



AA alkaline (LR6) batteries (x2)



USB cable



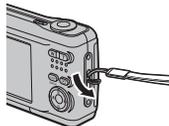
FinePix software CD
(IMPORTANT: read license agreement on the last page of this manual before opening)



Strap

Attaching the Strap

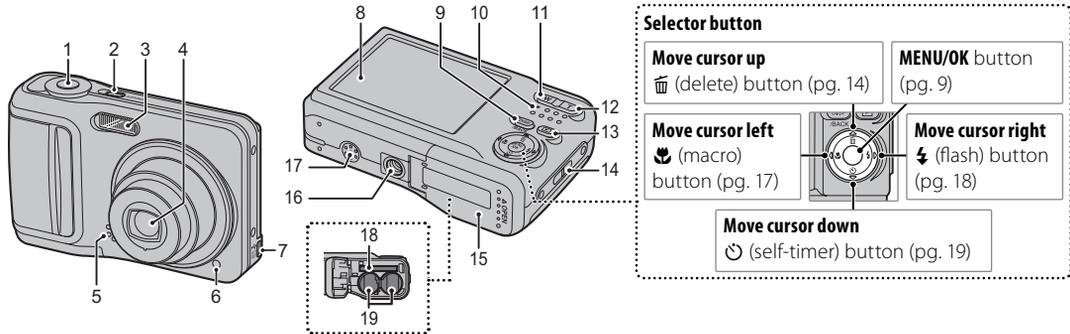
Attach the strap as **1** shown.



Owner's Manual
(this manual)

Parts of the Camera

For more information, refer to the page listed to the right of each item.

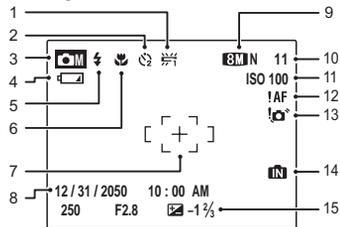


1 Shutter button.....	13	7 Connector for USB cable.....	43	13 (playback) button.....	25
2 ON/OFF button.....	8	Connector for A/V cable.....	33	14 Strap eyelet.....	1
3 Flash.....	18	8 Monitor.....	3	15 Battery-chamber cover.....	4
4 Lens and lens cover.....	8	9 DISP (display)/ BACK button.....	12, 25	16 Tripod mount	
5 Microphone.....	30	10 Indicator lamp.....	13	17 Speaker.....	32
6 Self-timer lamp.....	19	11 W (zoom out) button.....	11, 26	18 Memory card slot.....	6
		12 T (zoom in) button.....	11, 26	19 Battery chamber.....	4

The Monitor

The following indicators may appear in the monitor during shooting and playback:

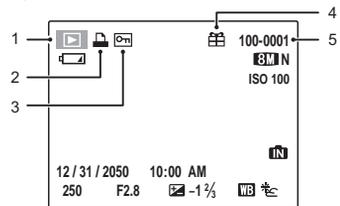
Shooting



1	White balance	49	9	Quality	30, 47
2	Self-timer indicator	19	10	Number of exposures remaining	79
3	Shooting mode	21	11	Sensitivity	46
4	Battery level	10	12	Focus warning	12
5	Flash mode	18	13	Blur warning	18
6	Macro (close-up) mode	17	14	Internal memory indicator*	5
7	Focus frame	12	15	Exposure compensation	48
8	Date and time	9			

* Indicates that no memory card is inserted and that pictures will be stored in the camera's internal memory (pg. 5).

Playback



1	Playback mode indicator	25	4	Gift image	25
2	DPOF print indicator	38	5	Frame number	60
3	Protected image	52			

Inserting the Batteries

The camera takes two AA alkaline (LR6) batteries (supplied) or two AA rechargeable Ni-MH batteries (sold separately). Insert the batteries in the camera as described below.

1 Open the battery-chamber cover.

Note

Be sure the camera is off before opening the battery-chamber cover.

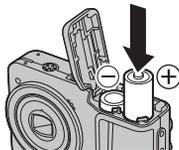


Cautions

- Do not open the battery-chamber cover when the camera is on. Failure to observe this precaution could result in damage to image files or memory cards.
- Do not use excessive force when handling the battery-chamber cover.

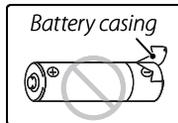
2 Insert the batteries.

Insert the batteries in the orientation shown by the "+" and "-" marks inside the battery chamber.



Cautions

- Insert the batteries in the correct orientation.
- **Never use batteries with peeling or damaged casing or mix old and new batteries, batteries with different charge levels, or batteries of different types.**



Failure to observe these precautions could result in the batteries leaking or overheating.

- **Never use manganese, Ni-Cd, or lithium batteries.** Replace AA alkaline batteries with batteries of the same make and grade as those supplied with the camera.

3 Close the battery-chamber cover.



Inserting a Memory Card

Although the camera can store pictures in internal memory, SD memory cards (sold separately) can be used to store additional pictures.

When no memory card is inserted,  appears in the monitor and internal memory is used for recording and playback. Note that because camera malfunction could cause internal memory to become corrupted, the pictures in internal memory should periodically be transferred to a computer and saved on the computer hard disk or on removable media such as CDs or DVDs. The pictures in internal memory can also be copied to a memory card (see page 53). To prevent internal memory from becoming full, be sure to delete pictures when they are no longer needed.

When a memory card is inserted as described below, the card will be used for recording and playback.

■ **Compatible Memory Cards**

SanDisk SD and SDHC memory cards with capacities of up to 8GB have been tested and approved for use in the A850. A complete list of approved memory cards is available at http://www.fujifilm.com/products/digital_cameras/index.html. Operation is not guaranteed with other cards. The camera can not be used with multimedia or *xD-Picture* cards.

Caution

Memory cards can be locked, making it impossible to format the card or to record or delete images. Before inserting a memory card, slide the write-protect switch to the unlocked position.



Write-protect
switch

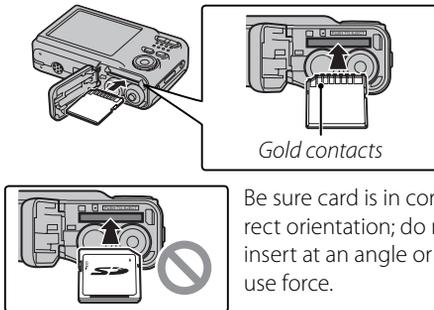
■ Inserting a Memory Card

1 Open the battery-chamber cover.



2 Insert the memory card.

Holding the memory card in the orientation shown below, slide it all the way in.



3 Close the battery-chamber cover.



● Removing Memory Cards

Press the card in and then release it slowly. The card can now be removed by hand.

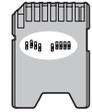


⚠ Cautions

- The memory card may spring out if you remove your finger immediately after pushing the card in.
- Memory cards may be warm to the touch after being removed from the camera. This is normal and does not indicate a malfunction.

Cautions

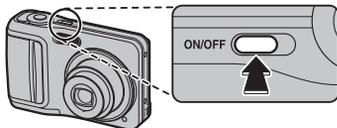
- Format memory cards before first use or after using them in a computer or other device. For more information on formatting memory cards, see page 62.
- Memory cards are small and can be swallowed; keep out of reach of children. If a child swallows a memory card, seek medical assistance immediately.
- Do not use miniSD or microSD adapters that expose the back of the card. Failure to observe this precaution may cause damage or malfunction. Adapters that are larger or smaller than the standard dimensions of an SD card may not eject normally; if the card does not eject, take the camera to an authorized service representative. Do not forcibly remove the card.
- Do not turn the camera off or remove the memory card while the memory card is being formatted or data are being recorded to or deleted from the card. Failure to observe this precaution could damage the card.
- Do not affix labels to memory cards. Peeling labels can cause camera malfunction.
- Movie recording may be interrupted with some types of memory card.
- The data in internal memory may be erased or corrupted when the camera is repaired. Please note that the repairer will be able to view pictures in internal memory.
- Formatting a memory card or internal memory in the camera creates a folder in which pictures are stored. Do not rename or delete this folder or use a computer or other device to edit, delete, or rename image files. Always use the camera to delete pictures from memory cards and internal memory; before editing or renaming files, copy them to a computer and edit or rename the copies, not the originals.



Turning the Camera on and Off

Shooting Mode

Press the **ON/OFF** button to turn the camera on. The lens will extend and the lens cover will open.



Press **ON/OFF** again to turn the camera off.

Tip: Switching to Playback Mode

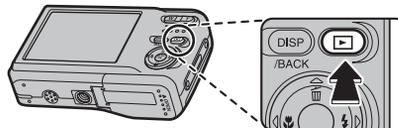
Press the  button to start playback. Press the shutter button halfway to return to shooting mode.

Caution

Pictures can be affected by fingerprints and other marks on the lens. Keep the lens clean.

Playback Mode

To turn the camera on and begin playback, press the  button for about a second.



Press the  button again to turn the camera off.

Tip: Switching to Shooting Mode

To exit to shooting mode, press the shutter button halfway. Press the  button to return to playback.

Tip: Auto Power Off

The monitor will dim to save power if no operations are performed for about ten seconds in shooting mode. Full brightness can be restored by operating any of the controls next to the monitor. The camera will turn off automatically if no operations are performed for the length of time selected in the **AUTO POWER OFF** menu (see page 62). To turn the camera on, press the **ON/OFF** button or press the  button for about a second.

Basic Setup

A language-selection dialog is displayed the first time the camera is turned on. Set up the camera as described below (for information on resetting the clock or changing languages, see page 57).

1 Choose a language.



1.1 Press the selector up, down, left, or right to highlight a language.



1.2 Press **MENU/OK**.



2 Set the date and time.



2.1 Press the selector left or right to highlight the year, month, day, hour, or minute and press up or down to change. To change the order in which the year, month, and day are displayed, highlight the date format and press the selector up or down.



2.2 Press **MENU/OK**.



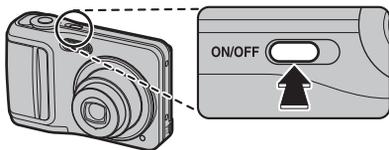
Tip: The Camera Clock

If the batteries are removed for an extended period, the camera clock will be reset and the language-selection dialog will be displayed when the camera is turned on. If the batteries are left in the camera for about two hours, they can be removed for about six hours without resetting the clock or language selection.

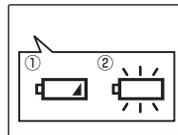
Taking Pictures in AUTO Mode

This section describes how to take pictures in **AUTO** mode. **AUTO** mode is automatically selected the first time the camera is turned on; for information on restoring **AUTO** mode after shooting in other modes, see page 21.

- 1 Turn the camera on.**
Press the **ON/OFF** button to turn the camera on.



- 2 Check the battery level.**
Check the battery level in the monitor.



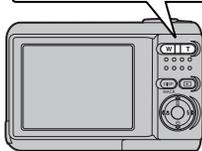
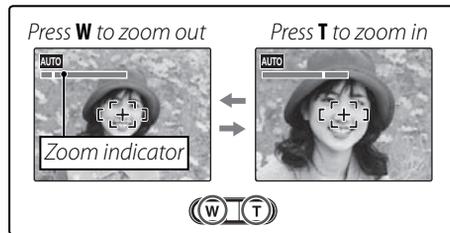
Indicator	Description
NO ICON	Batteries are partially discharged.
① (red)	Batteries are low. Replace as soon as possible.
② (blinks red)	Batteries are exhausted. Turn camera off and replace batteries.

← Note

A battery warning may not be displayed before the camera turns off, particularly if batteries are reused after having once been exhausted. Power consumption varies greatly from mode to mode; the low battery warning (①) may not be displayed or may be displayed only briefly before the camera turns off in some modes or when switching from shooting to playback mode.

3 Frame the picture.

Position the main subject in the focus area and use the zoom buttons to frame the picture in the monitor.



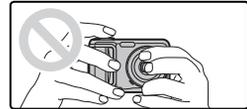
Zoom in up to 3× using optical zoom, or use digital zoom (pg. 61) to zoom in closer.

●● Holding the Camera

Hold the camera steady with both hands and brace your elbows against your sides. Shaking or unsteady hands can blur your shots.



To prevent pictures that are out of focus or too dark (underexposed), keep your fingers and other objects away from the lens and flash.

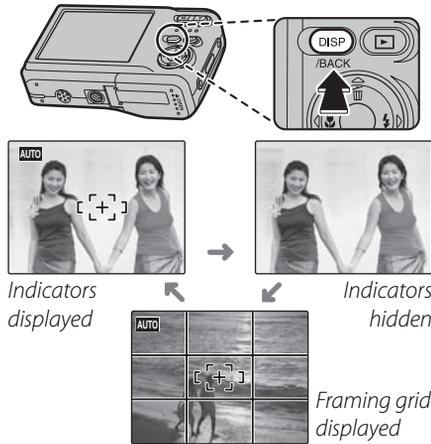


Tip: Focus Lock

Use focus lock (pg. 15) to focus on subjects that are not in the focus frame.

The Framing Grid

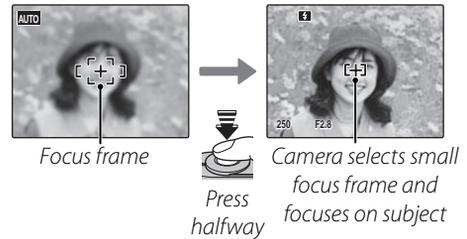
To display a framing grid or to view or hide other indicators in the monitor, press the **DISP/BACK** button.



To use the framing grid, position the main subject at the intersection of two lines or align one of the horizontal lines with the horizon. Use focus lock (pg. 15) to focus on subjects that will not be in the center of the frame in the final photograph.

4 Focus.

Press the shutter button halfway to focus on the main subject in the focus frame.



If the camera is able to focus, it will beep twice and the indicator lamp will glow green.

If the camera is unable to focus, the focus frame will turn red, a **!AF** indicator will appear in the monitor, and the indicator lamp will blink green. Change the composition or use focus lock (pg. 15).

Note

The lens may make a noise when the camera focuses. This is normal.

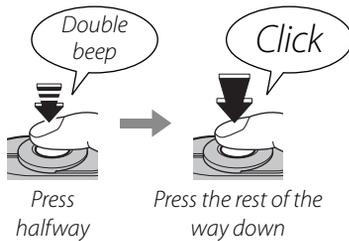
5 Shoot.

Smoothly press the shutter button the rest of the way down to take the picture.



Tip: The Shutter Button

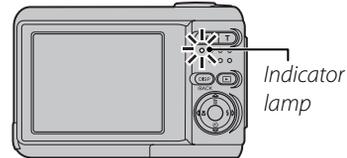
The shutter button has two positions. Pressing the shutter button halfway sets focus and exposure; to shoot, press the shutter button the rest of the way down.



Note

If the subject is poorly lit, the flash may fire when the picture is taken. To take pictures without the flash, choose another flash mode (pg. 18).

The Indicator Lamp



The indicator lamp shows camera status as follows:

Indicator lamp	Camera status
Glows green	Focus locked.
Blinks green	Camera unable to focus. Picture can be taken.
Glows orange	Recording pictures. No additional pictures can be taken at this time.
Blinks orange	Flash charging; shutter disabled.
Blinks red	Recording or lens error.

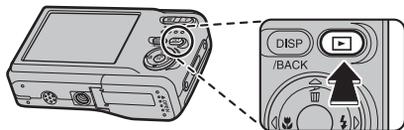
Tip: Warnings

Detailed warnings appear in the monitor. See pages 72–75 for more information.

Viewing Pictures

Pictures can be viewed in the monitor. When taking important photographs, take a test shot and check the results.

1 Press the button.



The most recent picture will be displayed in the monitor.



2 View additional pictures.

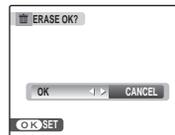
Press the selector right to view pictures in the order recorded, left to view pictures in reverse order.



Press the shutter button to exit to shooting mode.

Deleting Pictures

To delete the picture currently displayed in the monitor, press the selector up (). The following dialog will be displayed.



To delete the picture, press the selector left to highlight **OK** and press **MENU/OK**. To exit without deleting the picture, highlight **CANCEL** and press **MENU/OK**.



Tip: The Playback Menu

Pictures can also be deleted from the playback menu (pg. 28).

Focus Lock

To compose photographs with off-center subjects:

1 Position the subject in the focus frame.



2 Focus.

Press the shutter button halfway to set focus and exposure. Focus and exposure will remain locked while the shutter button is pressed halfway (AF/AE lock).



*Press
halfway*



Repeat steps 1 and 2 as desired to refocus before taking the picture.

3 Recompose the picture.

Keeping the shutter button pressed halfway, recompose the picture.



4 Shoot.

Press the shutter-release button the rest of the way down to take the picture.

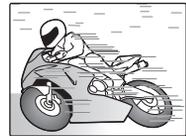


*Press the rest of
the way down*

●● Autofocus

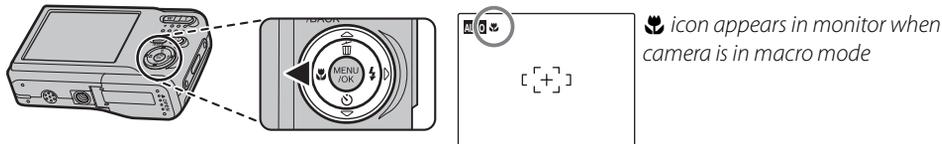
Although the camera boasts a high-precision autofocus system, it may be unable to focus on the subjects listed below. If the camera is unable to focus using autofocus, use focus lock (pg. 15) to focus on another subject at the same distance and then recompose the photograph.

- Very shiny subjects such as mirrors or car bodies.
- Fast-moving subjects.
- Subjects photographed through a window or other reflective object.
- Dark subjects and subjects that absorb rather than reflect light, such as hair or fur.
- Insubstantial subjects, such as smoke or flame.
- Subjects that show little contrast with the background (for example, subjects in clothing that is the same color as the background).
- Subjects positioned in front of or behind a high-contrast object that is also in the focus frame (for example, a subject photographed against a backdrop of highly contrasting elements).



Close-ups (Macro Mode)

Macro mode can be used for close-ups in **AUTO**, , , , , , , and  modes (pp. 21–24). Macro mode is automatically selected in  and  modes; to select macro mode in **AUTO**, , , , , and  modes, press the selector left ().



When macro mode is in effect, the camera focuses on subjects near the center of the monitor. Use the zoom buttons to frame pictures.

To exit macro mode, press the selector left (). Macro mode can also be cancelled by turning the camera off or selecting another shooting mode.

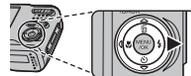
Note

Use of a tripod is recommended to prevent blur caused by camera shake.

⚡ Using the Flash

Use the flash when lighting is poor, for example when shooting at night or indoors under low light.

To choose a flash mode, press the selector right (⚡). The flash mode changes each time the selector is pressed; in modes other than AUTO, the current mode is indicated by an icon in the monitor. Choose from the following options (some options are not available in all shooting modes; see pg. 78):



Mode	Description
AUTO (no icon)	The flash fires when required. Recommended in most situations.
👁️ (red-eye reduction)	As above, except that red-eye reduction is used to minimize “ <i>red-eye</i> ” caused by light from the flash reflecting from the subject’s retinas as shown in the illustration at right.
⚡ (fill flash)	The flash fires whenever a picture is taken. Use for backlit subjects or for natural coloration when shooting in bright light.
⌚ (flash off)	The flash does not fire even when the subject is poorly lit. 📷 will appear in the monitor at slow shutter speeds to warn that pictures may be blurred. Use of a tripod is recommended.
⚡ (slow sync)	Capture both the main subject and the background when shooting at night (note that brightly lit scenes may be overexposed).
📷 (slow sync with red-eye reduction)	📷 combines slow sync with red-eye reduction. 📷 is selected for 📷 SHOOTING MODE , shutter speed may be as slow as 3 s. Use a tripod.



If the flash will fire, ⚡ will be displayed in the monitor when the shutter button is pressed halfway.

⚠️ Caution

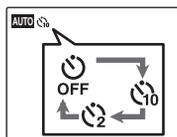
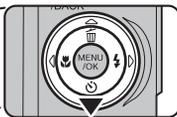
The flash may fire several times with each shot. Do not move the camera until shooting is complete.

Using the Self-Timer

The camera offers a ten-second timer that allows photographers to appear in their own photographs, and a two-second timer that can be used to avoid blur caused by the camera moving when the shutter button is pressed. The self-timer is available in all shooting modes.

1 Set the timer.

The current self-timer mode is displayed in the monitor. To choose a different setting, press the selector down () . The selection changes each time the selector is pressed.



Choose from  (self-timer off),  (10 s delay), or  (2 s delay)

2 Focus.

Press the shutter button halfway to focus.

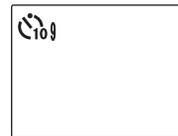
Caution

Stand behind the camera when using the shutter button. Standing in front of the lens can interfere with focus and exposure.

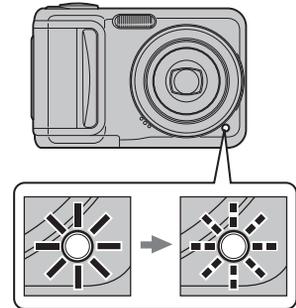


3 Start the timer.

Press the shutter button the rest of the way down to start the timer. The display in the monitor shows the number of seconds remaining until the shutter is released. To stop the timer before the picture is taken, press **DISP/BACK**.



The self-timer lamp on the front of the camera will blink immediately before the picture is taken. If the two-second timer is selected, the self-timer lamp will blink as the timer counts down.



👉 **Note**

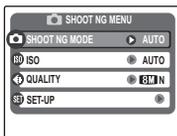
The self-timer turns off automatically when the picture is taken, a different shooting mode is selected, playback mode is selected, or the camera is turned off.

📷 Shooting Mode

Choose a shooting mode according to the scene or type of subject.

Selecting a Shooting Mode

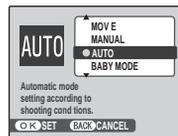
- 1 Press **MENU/OK** to display the shooting menu.



- 2 Press the selector up or down to highlight **📷 SHOOTING MODE**.



- 3 Press the selector right to display shooting mode options.



- 4 Press the selector up or down to highlight the desired mode.



- 5 Press **MENU/OK** to select the highlighted option.



Shooting Modes

MANUAL

Choose this mode for complete control of shooting settings, including sensitivity (pg. 46), exposure compensation (pg. 48), and white balance (pg. 49).

AUTO AUTO

Choose for crisp, clear snapshots (pg. 10). This mode is recommended in most situations.

BABY MODE

Choose for natural skin tones when taking portraits of infants. The flash turns off automatically.

ANTI-BLUR (Picture Stabilization)

Choose this mode for fast shutter speeds that reduce blur caused by camera shake or subject movement.

PORTRAIT

Choose this mode for soft-toned portraits with natural skin tones.



LANDSCAPE

Choose this mode for crisp, clear daylight shots of buildings and landscapes. The flash turns off automatically.



Note

In modes other than ,  ISO is fixed at **AUTO** (pg. 46). See page 78 for restrictions on flash mode settings.

🚴 SPORT

Choose this mode when photographing moving subjects. Priority is given to faster shutter speeds.



🌃 NIGHT

Shutter speeds as slow as 3 s are used to record night and twilight scenes. Use of a tripod is recommended to prevent camera shake.



📷 NATURAL LIGHT

Capture natural light indoors, under low light, or where the flash can not be used. The flash turns off and sensitivity is raised to reduce blur.



🏖️ BEACH

Choose for crisp, clear shots that capture the brightness of sunlit beaches.



❄️ SNOW

Choose for crisp, clear shots that capture the brightness of scenes dominated by shining white snow.



💣 FIREWORKS

Slow shutter speeds are used to capture the expanding burst of light from a firework. Press the selector left or right to choose from shutter speeds between 8 s and 1/2 s. Use of a tripod is recommended to prevent blur. The flash turns off automatically.



🌅 SUNSET

Choose this mode to record the vivid colors in sunrises and sunsets.



* FLOWER

Choose for vivid close-ups of flowers. The camera focuses in the macro range and the flash turns off automatically.



🍷 PARTY

Capture indoor background lighting under low-light conditions.



🚫 MUSEUM

Choose where flash photography is prohibited or the sound of the shutter may be unwelcome. The flash, speaker, and shooting indicator turn off automatically.



👉 Note

Photography may be prohibited altogether in some settings. Obtain permission before shooting.

📄 TEXT

Take clear pictures of text or drawings in print. The camera focuses in the macro range.



Playback Options

To view the most recent picture in the monitor, press the  button.



Press the selector right to view pictures in the order recorded, left to view pictures in reverse order.

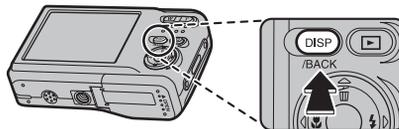


To scroll rapidly through your pictures, press and hold the selector. The pictures on the memory card will be displayed as small thumbnail images with the current picture highlighted. Release the selector to view the highlighted picture full screen.



●● Choosing a Display Format

Press the **DISP/BACK** button to cycle through playback display formats as shown below.



Indicators displayed



Indicators hidden



Sort by date



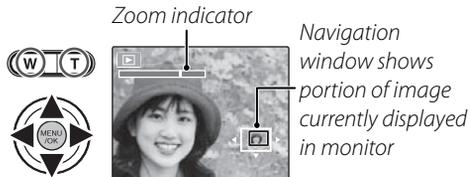
Multi-frame playback

← Note

Pictures taken using other cameras are indicated by a  ("gift image") icon during playback.

Playback Zoom

Press **T** to zoom in on the picture currently displayed full frame in the monitor; press **W** to zoom out. When the picture is zoomed in, the selector can be used to view areas of the image not currently visible in the display.



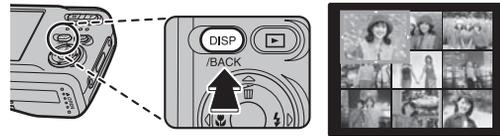
Press **DISP/BACK** to exit zoom.

← Note

The maximum zoom ratio varies with image size. Playback zoom is not available with pictures taken at an image size of **03M**.

Multi-Frame Playback

To view pictures nine at a time, press the **DISP/BACK** button until nine pictures are displayed in the monitor.



Press the selector up or down to view more pictures. Use the selector to highlight images and press **MENU/OK** to view the highlighted image full frame.

Sort by Date

Choose sort-by-date mode to view pictures taken on a selected date.

- 1** Press **DISP/BACK** until the sort-by-date screen is displayed.



- 2** Use the selector to highlight the arrow (↔) at the top left corner of the display.



- 3** Press the selector left to highlight the date.



- 4** Press the selector up or down to select a date.



- 5** Press the selector right to return to the sort-by-date display.



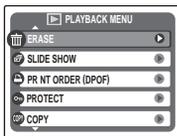
- 6** Use the selector to highlight images and press **MENU/OK** to view the highlighted image full frame.



Deleting Pictures

The **ERASE** option in the playback menu can be used to delete still pictures and movies, increasing the amount of space available on the memory card or in internal memory (for information on deleting pictures in single-frame playback, see page 14). *Note that deleted pictures can not be recovered. Copy important pictures to a computer or other storage device before proceeding.*

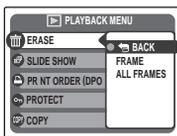
- 1 Press **MENU/OK** to display the playback menu.



- 2 Press the selector up or down to highlight **ERASE**.



- 3 Press the selector right to display delete options.



- 4 Press the selector up or down to highlight **FRAME** or **ALL FRAMES**.



- 5 Press **MENU/OK** to display options for the selected item (pg. 29).

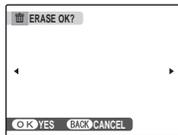


Tips: Deleting Pictures

- When a memory card is inserted, pictures will be deleted from the memory card; otherwise, pictures will be deleted from internal memory.
- Protected pictures can not be deleted. Remove protection from any pictures you wish to delete (pg. 52).
- If a message appears stating that the selected images are part of a DPOF print order, press **MENU/OK** to delete the pictures.

■ FRAME: *Deleting Selected Images*

Selecting **FRAME** displays the dialog shown at right.



Press the selector left or right to scroll through pictures and press **MENU/OK** to delete the current picture (the picture is deleted immediately; be careful not delete the wrong picture).



Press **DISP/BACK** to exit when all the desired pictures have been deleted.

■ ALL FRAMES: *Deleting All Images*

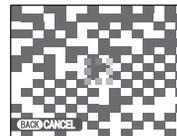
Selecting **ALL FRAMES** displays the confirmation shown at right.



Press **MENU/OK** to delete all unprotected pictures.



The dialog shown at right is displayed during deletion. Press **DISP/BACK** to cancel before all pictures have been deleted (any pictures deleted before the button was pressed can not be recovered).



🎥 Recording Movies

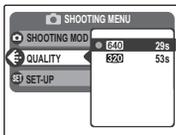
Shoot short movies at 30 frames per second. Sound is recorded via the built-in microphone; do not cover the microphone during recording.

- 1 Press **MENU/OK** to display the shooting menu and select **SHOOTING MODE** > **MOVIE** (pg. 21).

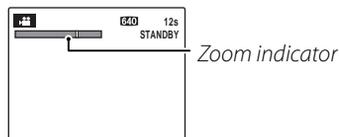


🔍 Choosing the Frame Size

To choose the frame size, press **MENU/OK** and select **QUALITY**. Choose **640** (640×480 pixels) for better quality, **320** (320×240 pixels) for longer movies. Press **MENU/OK** to return to movie recording mode.

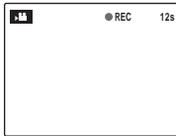


- 2 Frame the scene using the zoom **(W/T)** buttons.



Zoom can not be adjusted once recording begins.

- 3** Press the shutter button all the way down to start recording.



REC and time remaining are displayed in monitor

← Note

Focus is set when recording begins; exposure and white balance are adjusted automatically throughout recording. The color and brightness of the image may vary from that displayed before recording begins.

- 4** Press the shutter button halfway to end recording. Recording ends automatically when the movie reaches maximum length or memory is full.



Tip

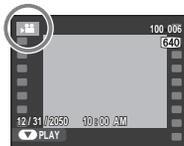
There is no need to keep the shutter button pressed during recording.

← Note

Movies are recorded as monaural motion JPEG files with a maximum file size of 2GB and a minimum length of 1 s. See page 79 for more information on recording times.

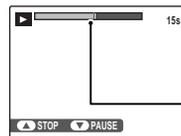
▶ Viewing Movies

During playback (pg. 25), movies are displayed in the monitor as shown at right. The following operations can be performed while a movie is displayed:



Operation	Description
Start/pause playback	Press the selector down to start playback. Press again to pause.
End playback/delete	Press the selector up to end playback. If playback is paused, pressing the selector up will delete the current movie.
Advance/rewind	Press the selector right to advance, left to rewind. If playback is paused, the movie will advance or rewind one frame each time the selector is pressed.
Adjust volume	Press MENU/OK to pause playback and display volume controls. Press the selector up or down to adjust the volume; press MENU/OK again to resume playback.

Progress is shown in the monitor during playback.



Progress bar

Tip: Viewing Movies on a Computer

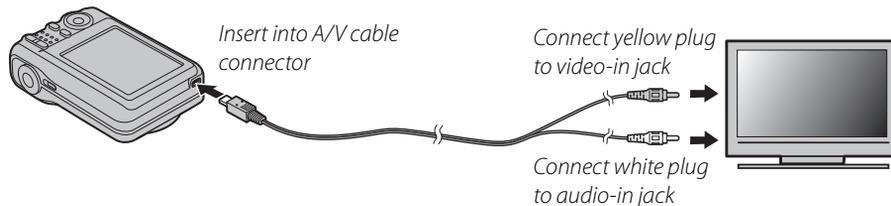
Copy movies to the computer before viewing.

⚠ Cautions

- Do not cover the speaker during playback.
- White vertical or dark horizontal streaks may appear in movies containing very bright subjects. This is normal and does not indicate a malfunction.

Viewing Pictures on TV

Connect the camera to a TV and tune the television to the video channel to show pictures and slide shows (pg. 51) to a group. The A/V cable (sold separately) connects as shown below.



Press **▶** for about a second to turn the camera on. The camera monitor turns off and pictures and movies are played back on the TV. Note that the camera volume controls have no effect on sounds played on the TV; use the television volume controls to adjust the volume.

← Notes

- A/V cables are sold separately.
- Use fully charged batteries for extended playback.
- Image quality drops during movie playback.

⚠ Caution

When connecting the A/V cable, be sure the connectors are fully inserted.

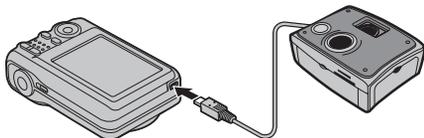
Printing Pictures via USB

If the printer supports PictBridge, the camera can be connected directly to the printer and pictures can be printed without first being copied to a computer. Note that depending on the printer, not all the functions described below may be supported.

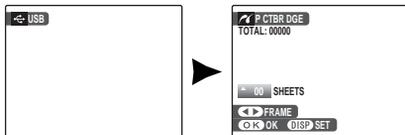


Connecting the Camera

- 1 Connect the supplied USB cable as shown and turn the printer on.

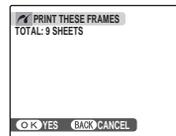


- 2 Press the button for about a second to turn the camera on. **USB** will be displayed in the monitor, followed by the PictBridge display shown below at right.



Printing Selected Pictures

- 1 Press the selector left or right to display a picture you wish to print.
- 2 Press the selector up or down to choose the number of copies (up to 99).
- 3 Repeat steps 1–2 to select additional pictures. Press **MENU/OK** to display a confirmation dialog when settings are complete.



- 4 Press **MENU/OK** to start printing.



Tip: Printing the Date of Recording

To print the date of recording on pictures, press **DISP/BACK** in steps 1–2 to display the PictBridge menu (see “Printing the DPOF Print Order,” below). Press the selector up or down to highlight **PRINT WITH DATE** and press **MENU/OK** to return to the PictBridge display (to print pictures without the date of recording, select **PRINT WITHOUT DATE**). The date will not be printed if the camera clock was not set when the picture was taken.

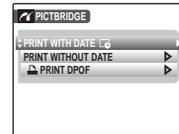
Note

If no pictures are selected when the **MENU/OK** button is pressed, the camera will print one copy of the current picture.

Printing the DPOF Print Order

To print the print order created with **PRINT ORDER (DPOF)** in the playback menu (pg. 37):

- 1 In the PictBridge display, press **DISP/BACK** to open the PictBridge menu.



- 2 Press the selector up or down to highlight **PRINT DPOF**.



- 3 Press **MENU/OK** to display a confirmation dialog.



4 Press **MENU/OK** to start printing.



●● **During Printing**

The message shown at right is displayed during printing. Press **DISP/BACK** to cancel before all pictures are printed (depending on the printer, printing may end before the current picture has printed).



If printing is interrupted, press **▶** to turn the camera off and then on again.

●● **Disconnecting the Camera**

Confirm that "PRINTING" is not displayed in the monitor and press **▶** to turn the camera off. Disconnect the USB cable.

← **Notes**

- Use fully charged batteries to power the camera for extended periods.
- Print pictures from internal memory or a memory card that has been formatted in the camera.
- If the printer does not support date printing, the **PRINT WITH DATE**  option will not be available in the PictBridge menu and the date will not be printed on the pictures in the DPOF print order.
- Default printer page size and print quality settings are used when printing via direct USB connection.

Creating a DPOF Print Order

The  **PRINT ORDER (DPOF)** option in the playback menu can be used to create a digital “print order” for PictBridge-compatible printers (pg. 34) or devices that support DPOF.

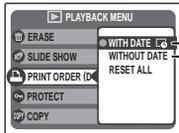
DPOF

DPOF (Digital Print Order Format) is standard that allows pictures to be printed from “print orders” stored in internal memory or on a memory card. The information in the order includes the pictures to be printed and the number of copies of each picture.



■ WITH DATE /WITHOUT DATE

To modify the DPOF print order, select  **PRINT ORDER (DPOF)** in the playback menu and press the selector up or down to highlight **WITH DATE ** or **WITHOUT DATE**.



WITH DATE : Print date of recording on pictures.

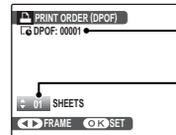
WITHOUT DATE: Print pictures without date.

Press **MENU/OK** and follow the steps below.

1 Press the selector left or right to display a picture you wish to include in or remove from the print order.



2 Press the selector up or down to choose the number of copies (up to 99). To remove a picture from the order, press the selector down until the number of copies is 0.



Total number of prints

Number of copies

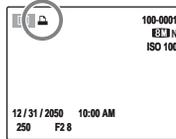
3 Repeat steps 1–2 to complete the print order. Press **MENU/OK** to save the print order when settings are complete, or **DISP/BACK** to exit without changing the print order.



4 The total number of prints is displayed in the monitor. Press **MENU/OK** to exit.



The pictures in the current print order are indicated by a  icon during playback.



■ RESET ALL

To cancel the current print order, select **RESET ALL** in the **PRINT ORDER (DPOF)** menu. The confirmation shown at right will be displayed; press **MENU/OK** to remove all pictures from the order.



← Notes

- Remove the memory card to create or modify a print order for the pictures in internal memory.
- Print orders can contain a maximum of 999 pictures.
- If a memory card is inserted containing a print order created by another camera, the message shown at right will be displayed. Pressing **MENU/OK** cancels the print order; a new print order must be created as described above.



Viewing Pictures on a Computer

The supplied FinePixViewer software can be used to copy pictures to a computer, where they can be stored, viewed, organized, and printed. Before proceeding, install FinePixViewer as described below. *Do not connect the camera to the computer until installation is complete.*

Installing FinePixViewer

FinePixViewer is available in a Windows version (FinePixViewer S) and a Macintosh version (FinePixViewer). Installation instructions for Windows are on pages 39–40, those for the Macintosh on pages 41–42.

Installing FinePixViewer S: Windows

1 Confirm that the computer meets the following system requirements:

OS	Preinstalled versions of Windows Vista, Windows XP Home Edition (Service Pack 2 or later), Windows XP Professional (Service Pack 2 or later), or Windows 2000 Professional (Service Pack 4 or later)
CPU	<ul style="list-style-type: none">• Windows Vista: 800 MHz Pentium 4 or better (3 GHz Pentium 4 or better recommended)• Windows XP: 800 MHz Pentium 4 or better (2 GHz Pentium 4 or better recommended)• Windows 2000: 200 MHz Pentium or better
RAM	<ul style="list-style-type: none">• Windows Vista: 512 MB or more (1 GB or more recommended)• Windows XP: 512 MB or more• Windows 2000: 128 MB or more
Free disk space	A minimum of 450 MB required for installation with 600 MB available when FinePixViewer is running (15 GB or more recommended under Windows Vista, 2 GB or more recommended under Windows XP)
Video	800 × 600 pixels or more with 16-bit color or better (1,024 × 768 pixels or more with 32-bit color recommended)
Other	<ul style="list-style-type: none">• Built-in USB port recommended. Operation is not guaranteed on other USB ports.• Internet connection (56 kbps or faster recommended) required to use FinePix Internet Service; Internet connection and e-mail software required to use e-mail option

Caution

Other versions of Windows are not supported. Operation is not guaranteed on home-built computers or computers that have been upgraded from earlier versions of Windows.

- 2 Start the computer. Log in to an account with administrator privileges before proceeding.
- 3 Exit any applications that may be running and insert the installer CD in a CD-ROM drive.

Windows Vista

If an AutoPlay dialog is displayed, click **SETUP.exe**. A “User Account Control” dialog will then be displayed; click **Allow**.

The installer will start automatically; click **Installing FinePixViewer** and follow the on-screen instructions to install FinePixViewer S. Note that the Windows CD may be required during installation.

If the Installer Does Not Start Automatically

If the installer does not start automatically, select **Computer** or **My Computer** from the Start menu (Windows Vista/XP) or double-click the **My Computer** icon on the desktop (Windows 2000), then double-click the **FINEPIX** CD icon to open the FINEPIX CD window and double-click **SETUP** or **SETUP.exe**.

- 4 If prompted to install Windows Media Player or DirectX, follow the on-screen instructions to complete installation.
- 5 When prompted, remove the installer CD from the CD-ROM drive and click **Restart** to restart the computer. Store the installer CD in a dry location out of direct sunlight in case you need to re-install the software. The version number is printed at the top of the CD label for reference when updating the software or contacting customer support.

Installation is now complete. Proceed to “Connecting the Camera” on page 43.

Installing FinePixViewer: Macintosh

- 1 Confirm that the computer meets the following system requirements:

Model	Power Macintosh G3, PowerBook G3, Power Mac G4, iMac, iBook, Power Mac G4 Cube, PowerBook G4, Power Mac G5, MacBook, MacBook Pro, Mac mini, or Mac Pro
CPU	PowerPC or Intel
OS	Mac OS X version 10.3.9–10.4.10 (as of January 1, 2008; visit http://www.fujifilm.com for more information)
RAM	256MB or more
Free disk space	A minimum of 200MB required for installation with 400MB available when FinePixViewer is running
Video	800×600 pixels or more with thousands of colors or better
Other	<ul style="list-style-type: none"> • Built-in USB port recommended. Operation is not guaranteed other USB ports. • Internet connection (56kbps or faster recommended) required to use FinePix Internet Service; Internet connection and e-mail software required to use e-mail option

- 2 After starting the computer and quitting any applications that may be running, insert the installer CD in a CD-ROM drive. Double-click the **FinePix CD** icon on the desktop and double-click **Installer for Mac OS X**.
- 3 An installer dialog will be displayed; click **Installing FinePixViewer** to start installation. Enter an administrator name and password when prompted and click **OK**, then follow the on-screen instructions to install FinePixViewer. Click **Exit** to quit the installer when installation is complete.

- 4 Remove the installer CD from the CD-ROM drive. Note that you may be unable to remove the CD if Safari is running; if necessary, quit Safari before removing the CD. Store the installer CD in a dry location out of direct sunlight in case you need to re-install the software. The version number is printed at the top of the CD label for reference when updating the software or contacting customer support.
- 5 Select **Applications** in the Finder **Go** menu to open the applications folder. Double-click the **Image Capture** icon and select **Preferences...** from the Image Capture application menu.



The Image Capture preferences dialog will be displayed. Choose **Other...** in the **When a camera is connected, open** menu, then select **FPVBridge** in the “Applications/FinePixViewer” folder and click **Open**.



Select **Quit Image Capture** from the Image Capture application menu.

Installation is now complete. Proceed to “Connecting the Camera” on page 43.

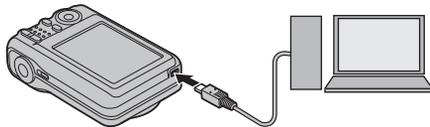
Connecting the Camera

1 If the pictures you wish to copy are stored on a memory card, insert the card into the camera (pg. 5). If no card is inserted, pictures will be copied from internal memory.

⚠ Caution

Loss of power during transfer could result in loss of data or damage to internal memory or the memory card. Use fully charged batteries.

2 Turn the camera off and connect the supplied USB cable as shown, making sure the connectors are fully inserted. Connect the camera directly to the computer; do not use a USB hub or keyboard.



← Note

The camera will not turn off automatically while connected to a computer.

3 Press the **▶** button for about a second to turn the camera on. FinePixViewer will start automatically and the “Save Image Wizard” will be displayed. Follow the on-screen instructions to copy pictures to the computer. To exit without copying pictures, click **CANCEL**.

⚠ Caution

If FinePixViewer does not start automatically, the software may not be correctly installed. Disconnect the camera and reinstall the software.

For more information on using FinePixViewer, select **How to Use FinePixViewer** in the FinePixViewer **Help** menu.

Cautions

- Use only memory cards that have been formatted in the camera and contain pictures taken with the camera. If a memory card containing a large number of images is inserted, there may be a delay before FinePixViewer starts and FinePixViewer may be unable to import or save images. Use a memory card reader to transfer pictures.
- Make sure the indicator lamp is out before turning the camera off or disconnecting the USB cable. Failure to observe this precaution could result in loss of data or damage to internal memory or the memory card.
- Disconnect the camera before inserting or removing memory cards.
- FinePixViewer may not perform as expected when run from another computer over a network.
- The user bears all applicable fees charged by the phone company or Internet service provider when using services that require an Internet connection.

Disconnecting the Camera

After confirming that the indicator lamp is out, follow the on-screen instructions to turn the camera off and disconnect the USB cable.

Uninstalling FinePixViewer

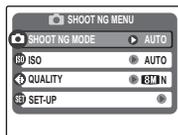
Only uninstall FinePixViewer before reinstalling the software or when it is no longer required. After quitting FinePixViewer and disconnecting the camera, drag the “FinePixViewer” folder from “Applications” into the Trash and select **Empty Trash** in the **Finder** menu (Macintosh), or open the control panel and use “Programs and Features” (Windows Vista) or “Add/Remove Programs” (other versions of Windows) to uninstall FinePixViewer. Under Windows, one or more confirmation dialogs may be displayed; read the contents carefully before clicking **OK**.

The Shooting Menu

The shooting menu is used to adjust settings for a wide range of shooting conditions.

Using the Shooting Menu

- 1 Press **MENU/OK** to display the shooting menu.



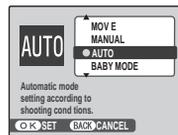
← Note

The options displayed in the shooting menu vary depending on the shooting mode.

- 2 Press the selector up or down to highlight the desired menu item.



- 3 Press the selector right to display options for the highlighted item.



- 4 Press the selector up or down to highlight the desired option.



- 5 Press **MENU/OK** to select the highlighted option.



Shooting Menu Options

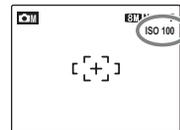
Menu item	Description	Options	Default
 SHOOTING MODE	Choose a shooting mode according to the type of subject (pg. 21).	 M /  AUTO /  S /  L /  P /  N /  Mn /  Ml /  Mh /  Mv /  Mw /  Mx /  Mz /  Mn /  Ml /  Mh /  Mv /  Mw /  Mx / Mz	AUTO
 ISO	Adjust ISO sensitivity (pg. 46). Choose higher values when the subject is poorly lit.	AUTO/800/400/200/100	AUTO
 QUALITY	Choose image size and quality (pg. 47).	8M F/8M N/6:2/4M/2M/03M	8M N
 EXP. COMPENSATION	Adjust exposure for bright, dark, or high-contrast scenes (pg. 48).	-2EV to +2EV in increments of 1/3EV	±0
 WHITE BALANCE	Adjust color for different light sources (pg. 49).	AUTO/                  	AUTO
 SET-UP	Perform basic camera setup such as choosing a language and setting the time and date (pg. 57).	   	—

ISO

Control the camera's sensitivity to light. Higher values can be used to reduce blur when lighting is poor; note, however, that mottling may appear in pictures taken at high sensitivities. If **AUTO** is selected, the camera will adjust sensitivity automatically in response to shooting conditions.

In shooting modes other than  M, sensitivity is set to **AUTO**; other values can not be selected.

Settings other than **AUTO** are shown by an icon in the monitor.



QUALITY

Choose the size and quality at which pictures are recorded (the options for movie mode are shown on page 30). Large pictures can be printed at large sizes with no drop in quality; small pictures require less memory, allowing more pictures to be recorded.

Option	Prints at sizes up to
8M F	28×21 cm/10.8×8.2 in. (8M) or 28×18 cm/10.8×7.3 in. (3:2). Choose 8M F for high-quality prints, 3:2 for an aspect ratio of 3:2.
4M	20×15 cm (7.7×5.8 in.)
2M	14×10 cm (5.3×4 in.)
03M	5×4 cm (2×1.5 in.). Suited to e-mail or the web.

The number of pictures that can be taken at current settings (pg. 79) is displayed to the right of the image quality icon in the monitor.

Note

Image quality is not reset when the camera is turned off or another shooting mode is selected.

Aspect Ratio

Pictures taken at an image quality setting of **3:2** have an aspect ratio of 3:2, the same as a frame of 35-mm film. Pictures taken at other settings have an aspect ratio of 4:3.



4:3



3:2

EXP. COMPENSATION

Use exposure compensation when photographing very bright, very dark, or high-contrast subjects.

Choose positive (+) values to increase exposure



Choose negative (-) values to reduce exposure



Choosing an Exposure Compensation Value

- **Backlit subjects:** choose values from $+2/3$ EV to $+1 2/3$ EV (for an explanation of the term "EV", see the Glossary on page 76)
 
- **Highly reflective subjects or very bright scenes** (e.g., snowfields): +1 EV
 
- **Scenes that are mostly sky:** +1 EV
- **Spotlit subjects** (particularly if photographed against dark backgrounds): $-2/3$ EV
- **Subjects with low reflectivity** (pine trees or dark-colored foliage): $-2/3$ EV

Notes

- Exposure compensation is available in  mode only.
- At settings other than ± 0 , a  icon is displayed in the monitor. Exposure compensation is not reset when the camera is turned off; to restore normal exposure control, choose a value of ± 0 . Exposure compensation is disabled when the flash is set to AUTO or  (red-eye reduction); when the flash is set to , exposure compensation is disabled if the subject is dark.

WB WHITE BALANCE

For natural colors, choose a setting that matches the light source (for an explanation of “white balance,” see the Glossary on page 76).

Option	Displayed in
AUTO	White balance adjusted automatically.
	For subjects in direct sunlight.
	For subjects in the shade.
	Use under “daylight” fluorescent lights.
	Use under “warm white” fluorescent lights.
	Use under “cool white” fluorescent lights.
	Use under incandescent lighting.

If **AUTO** does not produce the desired results (for example, when taking close-ups), choose the option that matches the light source.

← Notes

- This option is available in  mode only.
- Auto white balance is used with the flash. Turn the flash off (pg. 18) to take pictures at other settings.
- Results vary with shooting conditions. Play pictures back after shooting to check colors in the monitor.

The Playback Menu

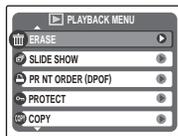
The playback menu is used to manage the pictures in internal memory or on the memory card.

Using the Playback Menu

1 Press  to enter playback mode (pg. 25).



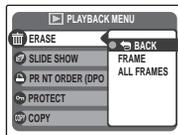
2 Press **MENU/OK** to display the playback menu.



3 Press the selector up or down to highlight the desired menu item.



4 Press the selector right to display options for the highlighted item.



5 Press the selector up or down to highlight the desired option.



6 Press **MENU/OK** to select the highlighted option.



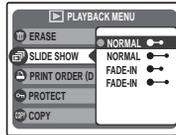
Playback Menu Options

The following options are available:

Option	Description
 ERASE	Delete all or selected pictures (pg. 28).
 SLIDE SHOW	View pictures in a slide show (pg. 51).
 PRINT ORDER (DPOF)	Select pictures for printing on DPOF- and PictBridge-compatible devices (pg. 37).
 PROTECT	Protect pictures from accidental deletion (pg. 52).
 COPY	Copy pictures between internal memory and a memory card (pg. 53).
 IMAGE ROTATE	Rotate pictures (pg. 55).
 TRIMMING	Create cropped copies of pictures (pg. 56).
 SET-UP	Perform basic camera setup (pg. 57).

SLIDE SHOW

View pictures in an automated slide show. Choose the type of show and press **MENU/OK** to start. Press the selector left or right to go back or skip ahead one frame. Press **DISP/BACK** at any time during the show to view on-screen help. When a movie is displayed, movie playback will begin automatically, and the slide show will continue when the movie ends. The show can be ended at any time by pressing **MENU/OK**.



Note

The camera will not turn off automatically while a slide show is in progress.

Option	Displayed in
NORMAL 	Slides are displayed for 3 s.
NORMAL 	Slides are displayed for 5 s.
FADE-IN 	Slides are displayed for 3 s, with fade transitions between frames.
FADE-IN 	Slides are displayed for 5 s, with fade transitions between frames.

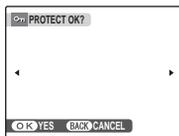
PROTECT

Protect pictures from accidental deletion. The following options are available.

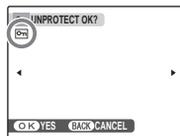
■ FRAME

Protect selected pictures.

- 1 Press the selector left or right to display the desired picture.



Picture not protected



Protected picture

- 2 Press **MENU/OK** to protect the picture. If the picture is already protected, pressing **MENU/OK** will remove protection from the image.

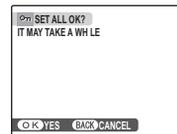


- 3 Repeat steps 1–2 to protect additional images. Press **DISP/BACK** to exit when the operation is complete.



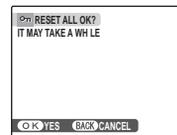
■ SET ALL

Press **MENU/OK** to protect all pictures, or press **DISP/BACK** to exit without changing picture status.

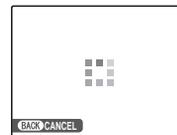


■ RESET ALL

Press **MENU/OK** to remove protection from all pictures, or press **DISP/BACK** to exit without changing picture status.



If the number of pictures affected is very large, the display at right will appear in the monitor while the operation is in progress. Press **DISP/BACK** to exit before the operation is complete.



Caution

Protected pictures will be deleted when the memory card or internal memory is formatted (pg. 62).

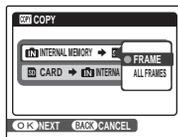
COPY

Copy pictures between internal memory and a memory card.

- 1 Press the selector up or down to highlight **INTERNAL MEMORY** → **SD CARD** (copy pictures from internal memory to the memory card) or **SD CARD** → **INTERNAL MEMORY** (copy pictures from a memory card to internal memory).



- 2 Press the selector right to display options for the highlighted item.



- 3 Press the selector up or down to highlight **FRAME** or **ALL FRAMES**.



- 4 Press **MENU/OK**.

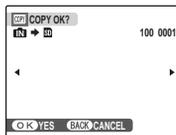


Tip: Copying Pictures Between Memory Cards

To copy pictures between two memory cards, insert the source card and copy the pictures to internal memory, then remove the source card, insert the destination card, and copy the pictures from internal memory.

■ FRAME

Copy selected frames.



- 1 Press the selector left or right to display the desired picture.



- 2 Press **MENU/OK** to copy the picture.

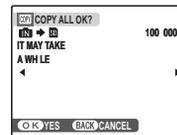


- 3 Repeat steps 1–2 to copy additional images. Press **DISP/BACK** to exit when the operation is complete.



■ ALL FRAMES

Press **MENU/OK** to copy all pictures, or press **DISP/BACK** to exit without copying pictures.

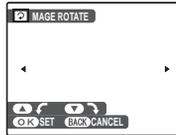


⚠ Cautions

- Copying ends when the destination is full.
- DPOF print information is not copied (pg. 37).

🔍 IMAGE ROTATE

By default, pictures taken in tall orientation are displayed in wide orientation. Use this option to display pictures in the correct orientation in the monitor. It has no effect on pictures displayed on a computer or other device.

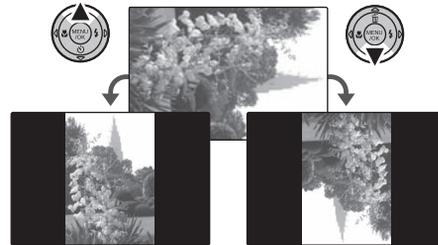


👉 Notes

- Protected pictures can not be rotated. Remove protection before rotating pictures (pg. 52).
- The camera may not be able to rotate pictures created with other devices.

To rotate a picture, play the picture back and select 🔍 **IMAGE ROTATE** in the playback menu (pg. 50).

- 1 Press the selector down to rotate the picture 90° clockwise, up to rotate the picture 90° counterclockwise.



- 2 Press **MENU/OK** to confirm the operation (to exit without rotating the picture, press **DISP/BACK**).

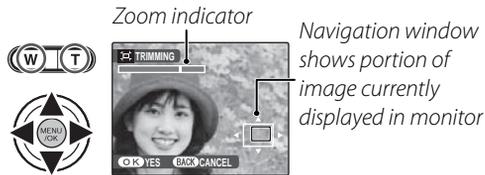


The next time the picture is played back, it will automatically be rotated.

TRIMMING

To create a cropped copy of a picture, play the picture back and select **TRIMMING** in the playback menu (pg. 50).

- 1 Press the zoom buttons to zoom in and out and use the selector to scroll the picture until the desired portion is displayed (to exit to single-frame playback without creating a cropped copy, press **DISP/BACK**).



- 2 Press **MENU/OK**. A confirmation dialog will be displayed.



Copy size (**4M**, **2M**, or **03M**; see page 47) is shown at the top; if the size is **03M**, **OK** is displayed in yellow. Larger crops produce larger copies; all copies have an aspect ratio of 4:3.

- 3 Press **MENU/OK** to save the cropped copy to a separate file.



The Setup Menu

Using the Setup Menu

1 Display the setup menu.

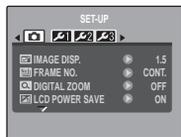
1.1 Press **MENU/OK** to display the menu for the current mode.



1.2 Press the selector up or down to highlight **SET-UP**.



1.3 Press the selector right to display the setup menu.



2 Choose a page.

2.1 Press the selector left or right to choose a page.



2.2 Press the selector down to enter the menu.

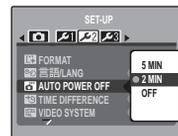


3 Adjust settings.

3.1 Press the selector up or down to highlight a menu item.



3.2 Press the selector right to display options for the highlighted item.



3.3 Press the selector up or down to highlight an option.



3.4 Press **MENU/OK** to select the highlighted option.



Setup Menu Options

	Menu item	Description	Options	Default
	 IMAGE DISP.	Choose how long pictures are displayed after shooting (pg. 59).	CONTINUOUS / 3 SEC / 1.5 SEC / ZOOM (CONTINUOUS) / OFF	1.5 SEC
	 FRAME NO.	Choose how files are named (pg. 60).	CONTINUOUS / RENEW	CONTINUOUS
	 DIGITAL ZOOM	Enable or disable digital zoom (pg. 61).	ON / OFF	OFF
	 LCD POWER SAVE	Enable or disable monitor power saving (pg. 61).	ON / OFF	ON
	 DATE/TIME	Set the camera clock (pg. 9).	—	—
	 OPERATION VOL.	Adjust the volume of camera controls.	🔊 (high) / 🔊 (mid) / 🔊 (low) / 🔊 OFF (mute)	🔊
	 SHUTTER VOLUME	Adjust the volume of the shutter sound.		
	 PLAYBACK VOLUME	Adjust the volume for movie playback (pg. 61).	—	—
	 LCD BRIGHTNESS	Control the brightness of the monitor (pg. 61).	-5 - +5	0
	 FORMAT	Format internal memory or memory cards (pg. 62).	—	—
	 言語/LANG	Choose a language (pg. 9).	See page 81	ENGLISH
	 AUTO POWER OFF	Choose the auto power off delay (pg. 62).	5 MIN / 2 MIN / OFF	2 MIN
	 TIME DIFFERENCE	Set the clock to local time (pg. 63).	🏠 / 🌐	🏠
	 VIDEO SYSTEM	Choose a video mode for connection to a TV (pg. 33).	NTSC / PAL	—
	 DISCHARGE	Discharge rechargeable Ni-MH batteries (pg. 64).	—	—
	 RESET	Reset all settings except DATE/TIME , TIME DIFFERENCE , and VIDEO SYSTEM to default values. A confirmation dialog will be displayed, press the selector left or right to highlight OK and press MENU/OK .	—	—

IMAGE DISP.

Choose how long pictures are displayed in the monitor after shooting.

- **CONTINUOUS**: Pictures are displayed until the **MENU/OK** button is pressed.
- **3 SEC**: Pictures are displayed for about 3 s before being recorded to the memory card.
- **1.5 SEC**: Pictures are displayed for about 1.5 s before being recorded to the memory card.
- **ZOOM (CONTINUOUS)**: As for **CONTINUOUS**, except that pictures taken at qualities larger than **03M** can be zoomed in to check fine details (see page 26).
- **OFF**: Pictures are not displayed automatically after shooting.

Note

The colors displayed at settings of **3 SEC** and **1.5 SEC** may differ from those in the final picture.

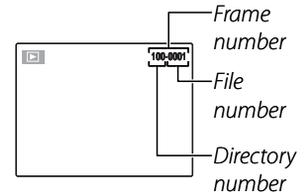
FRAME NO.

New pictures are stored in image files named using a four-digit file number assigned by adding one to the last file number used. The file number is displayed during playback as shown at right. **FRAME NO.** controls whether file numbering is reset to 0001 when a new memory card is inserted or the current memory card or internal memory is formatted.

- **CONTINUOUS:** Numbering continues from the last file number used or the first available file number, whichever is higher. Choose this option to reduce the number of pictures with duplicate file names.
- **RENEW:** Numbering is reset to 0001 after formatting or when a new memory card is inserted.

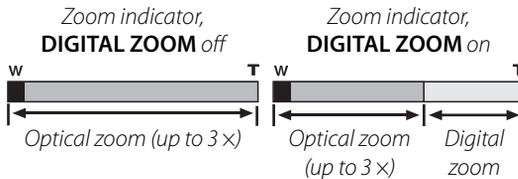
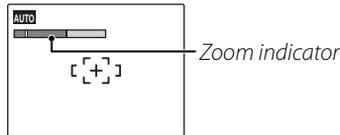
Notes

- If the frame number reaches 999-9999, the shutter release will be disabled (pg. 73).
- Selecting **RESET** (pg. 58) does not reset frame numbering.
- Frame numbers for pictures taken with other cameras may differ.



DIGITAL ZOOM

If **ON** is selected, pressing **T** at the maximum optical zoom position will trigger digital zoom, further magnifying the image. To cancel digital zoom, zoom out to the minimum digital zoom position and press **W**.



Caution

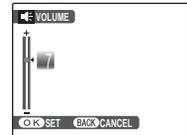
Digital zoom produces lower quality images than optical zoom.

LCD POWER SAVE

If **ON** is selected, the monitor will dim to save power if no operations are performed for about ten seconds. Full brightness can be restored by pressing the shutter button halfway. The monitor does not dim in movie mode or during playback.

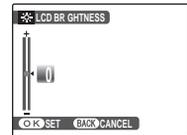
PLAYBACK VOLUME

Press the selector up or down to choose volume for movie playback and press **MENU/OK** to select.



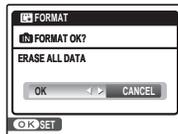
LCD BRIGHTNESS

Press the selector up or down to choose monitor brightness and press **MENU/OK** to select.



FORMAT

Format internal memory or a memory card. If a memory card is inserted in the camera, **SD** will be displayed in the dialog shown at right and this option will format the memory card. If no memory card is inserted, **IN** will be displayed and this option will format internal memory. Press the selector left to highlight **OK** and press **MENU/OK** to begin formatting.



Cautions

- All data—including protected pictures—will be deleted. Be sure important files have been copied to a computer or other storage device.
- Do not open the battery cover during formatting.

AUTO POWER OFF

Choose the length of time before the camera turns off automatically when no operations are performed. Shorter times increase battery life; if **OFF** is selected, the camera must be turned off manually. Note that regardless of the option selected, the camera will not turn off automatically when connected to a printer (pg. 34) or computer (pg. 43) or when a slide show is in progress (pg. 51).

Tip: Reactivating the Camera

To reactivate the camera after it has turned off automatically, press the **ON/OFF** button or press the  button for about a second (pg. 8).

TIME DIFFERENCE

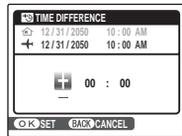
When travelling, use this option to switch the camera clock instantly from your home time zone to the local time at your destination.

1 Specify the difference between local time and your home time zone.

1.1 Press the selector up or down to highlight  **LOCAL**.



1.2 Press the selector right to display the time difference.



1.3 Press the selector left or right to highlight **+**, **-**, hours, or minutes; press up or down to edit. The minimum increment is 15 minutes.

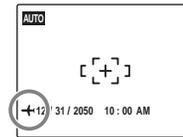


1.4 Press **MENU/OK** when settings are complete.



2 Switch between local time and your home time zone.

To set the camera clock to local time, highlight  **LOCAL** and press **MENU/OK**. To set the clock to the time in your home time zone, select  **HOME**. If  **LOCAL** is selected,  will be displayed in the monitor for three seconds after the camera enters shooting mode, and the date will be displayed in yellow.

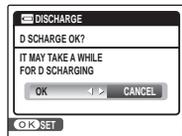


After changing time zones, check that the date and time are correct.

DISCHARGE (Ni-MH Batteries Only)

The capacity of rechargeable Ni-MH batteries may be temporarily reduced when new, after long periods of disuse, or if they are repeatedly recharged before being fully discharged. Capacity can be increased by repeatedly discharging the batteries using the  **DISCHARGE** option and recharging them in a battery charger (sold separately). Do not use  **DISCHARGE** with non-rechargeable batteries.

- 1** Selecting  **DISCHARGE** displays the message shown above. Press **MENU/OK**.



- 2** Press the selector left or right to highlight **OK**.

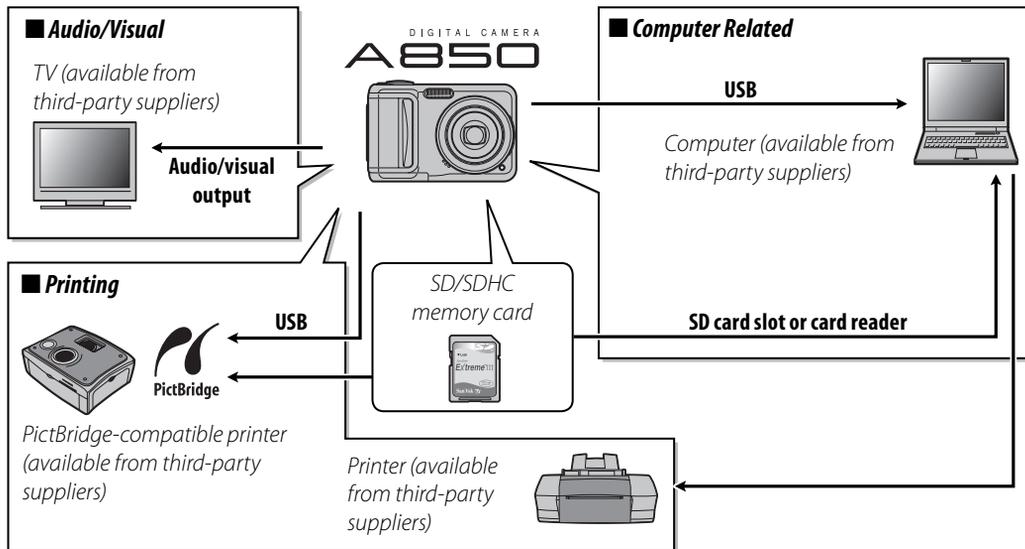


- 3** Press **MENU/OK** to begin discharging the batteries. When the batteries are fully discharged, the battery level indicator will blink red and the camera will turn off. To cancel the process before the batteries are fully discharged, press **DISP/BACK**.



Optional Accessories

Your camera can be used with televisions, printers, computers, and optional memory cards. For more information on the accessories available in your region, contact your local Fujifilm representative or visit http://www.fujifilm.com/products/digital_cameras/index.html.



Caring for the Camera

To ensure continued enjoyment of the product, observe the following precautions.

Storage and Use

If the camera will not be used for an extended period, remove the batteries and memory card. Do not store or use the camera in locations that are:

- exposed to rain, steam, or smoke
- very humid or extremely dusty
- exposed to direct sunlight or very high temperatures, such as in a closed vehicle on a sunny day
- extremely cold
- subject to strong vibration
- exposed to strong magnetic fields, such as near a broadcasting antenna, power line, radar emitter, motor, transformer, or magnet
- in contact with volatile chemicals such as pesticides
- next to rubber or vinyl products

■ Water and Sand

Exposure to water and sand can also damage the camera and its internal circuitry and mechanisms. When using the camera at the beach or seaside, avoid exposing the camera to water or sand. Do not place the camera on a wet surface.

■ Condensation

Sudden increases in temperature, such as occur when entering a heated building on a cold day, can cause condensation inside the camera. If this occurs, turn the camera off and wait an hour before turning it on again. If condensation forms on the memory card, remove the card and wait for the condensation to dissipate.

Cleaning

Use a blower to remove dust from the lens and monitor, then gently wipe with a soft, dry cloth. Any remaining stains can be removed by wiping gently with a piece of FUJIFILM lens-cleaning paper to which a small amount of lens-cleaning fluid has been applied. Care should be taken to avoid scratching the lens or monitor. The camera body can be cleaned with a soft, dry cloth. Do not use alcohol, thinner, or other volatile chemicals.

Travelling

Keep the camera in your carry-on baggage. Checked baggage may suffer violent shocks that could damage the camera.

Troubleshooting

Power and Battery

Problem		Possible cause	Solution	Page
Power supply	The camera does not turn on.	The batteries are exhausted.	Insert fresh or fully-charged spare batteries.	4
		The batteries are not in the correct orientation.	Re-insert the batteries in the correct orientation.	4
		The battery-chamber cover is not latched.	Latch the battery-chamber cover.	4
	The batteries run down quickly.	The batteries are cold.	Warm the batteries by placing them in a pocket or other warm place and re-insert them in the camera immediately before taking a picture.	4
		There is dirt on the battery terminals.	Clean the terminals with a soft, dry cloth.	—
		The batteries are new, have been left unused for an extended period, or have been re-charged without first being fully discharged (rechargeable Ni-MH batteries only).	Discharge Ni-MH batteries using the  DISCHARGE option and recharge them in a battery charger (sold separately). If the batteries do not hold a charge after repeated discharging and recharging, they have reached the end of their service life and must be replaced.	64
		The camera turns off suddenly.	The batteries are exhausted.	Insert fresh or fully-charged spare batteries.

Menus and Displays

Problem		Possible cause	Solution	Page
Menus and displays are not in English.		English is not selected for the 言語/LANG option in the setup menu.	Select ENGLISH .	9

Shooting

Problem		Possible cause	Solution	Page
Taking pictures	No picture is taken when the shutter button is pressed.	Memory is full.	Insert a new memory card or delete pictures.	5, 28
		Memory is not formatted.	Format the memory card or internal memory.	62
		There is dirt on the memory card contacts.	Clean the contacts with a soft, dry cloth.	6
		The memory card is damaged.	Insert a new memory card.	5
		The batteries are exhausted.	Insert fresh or fully-charged spare batteries.	4
	The camera has turned off automatically.	Turn the camera on.	8, 62	
The monitor goes dark after shooting.	The flash has fired.	The monitor may darken while the flash charges. Wait for the flash to charge.	18	
Focus	The camera does not focus.	The subject is close to the camera.	Select macro mode.	17
		The subject is far away from the camera.	Cancel macro mode.	
Close-ups	Macro mode is not available.	The subject is not suited to autofocus.	Use focus lock.	15
		The camera is in  ,  ,  ,  ,  ,  ,  ,  ,  ,  , or  mode.	Choose a different shooting mode.	21
Flash	The flash does not fire.	 ,  ,  ,  ,  ,  , or  mode is selected.	Choose a different shooting mode.	21
		The batteries are exhausted.	Insert fresh or fully-charged spare batteries.	4
		The flash is off ().	Choose a different flash mode.	18
	Some flash modes are not available.	The camera is in AUTO ,  ,  ,  ,  ,  ,  ,  ,  ,  ,  ,  ,  ,  ,  ,  ,  , or  mode.	Choose a different shooting mode.	21
	The flash does not fully light the subject.	The subject is not in range of the flash.	Position the subject in range of the flash.	81
The flash window is obstructed.		Hold the camera correctly.	11	

	Problem	Possible cause	Solution	Page
Problem images	Pictures are blurred.	The lens is dirty.	Clean the lens.	66
		The lens is blocked.	Keep objects away from the lens.	11
		!AF is displayed during shooting and the focus frame is displayed in red.	Check focus before shooting.	12, 15, 72
		!⚡ is displayed during shooting.	Use the flash or a tripod.	18
	Pictures are mottled.	The ambient temperature is high and the subject is poorly lit.	This is normal and does not indicate a malfunction. Choose a lower sensitivity.	46

Playback

	Problem	Possible cause	Solution	Page
Pictures	Pictures are grainy.	The pictures were taken with a different make or model of camera.	—	—
	Playback zoom unavailable.	The pictures were taken at an image size of 03M or with a different make or model of camera.	—	—
Audio	No sound in movie playback.	Playback volume is too low.	Adjust playback volume.	61
		The microphone was obstructed.	Hold the camera correctly during recording.	30
		The speaker is obstructed.	Do not cover the speaker during playback.	32
Deletion	Selected pictures are not deleted.	Some of the pictures selected for deletion are protected.	Remove protection using the device with which it was originally applied.	52
Frame no.	File numbering is unexpectedly reset.	The battery-chamber cover was opened while the camera was on.	Turn the camera off before opening the battery-chamber cover to replace the battery or insert a memory card.	60

Connections

	Problem	Possible cause	Solution	Page
TV	No picture or sound.	The camera is not properly connected.	Connect the camera correctly.	33
		The camera was connected during movie playback.	Connect the camera once movie playback has ended.	32, 33
		Input on the television is set to "TV".	Set input to "VIDEO".	—
		The camera is not set to the correct video standard.	Match the camera  VIDEO SYSTEM setting to the TV.	33, 58
	The volume on the television is too low.	Adjust the volume.	—	
	No color.	The camera is not set to the correct video standard.	Match the camera  VIDEO SYSTEM setting to the TV.	33, 58
Computer	The computer does not recognize the camera.	The camera is not properly connected.	Connect the camera correctly.	43
PictBridge	Pictures can not be printed.	The camera is not properly connected.	Connect the camera correctly.	34
		The printer is off.	Turn the printer on.	—
	Only one copy is printed. The date is not printed.	The printer is not PictBridge-compatible.	—	—

Miscellaneous

Problem	Possible cause	Solution	Page
Nothing happens when the shutter button is pressed.	Temporary camera malfunction.	Remove and reinsert the batteries.	4
	The batteries are exhausted.	Insert fresh or fully-charged spare batteries.	4
The camera does not function as expected.	Temporary camera malfunction.	Remove and reinsert the batteries. If the problem persists, contact your FUJIFILM dealer.	4, 84

Warning Messages and Displays

The following warnings are displayed in the monitor:

Warning	Description	Solution
 (red)	Batteries are low.	Insert fresh or fully-charged spare batteries.
 (blinks red)	Batteries are exhausted.	
	Slow shutter speed. Picture may be blurred.	Use the flash or mount the camera on a tripod.
!AF (displayed in red with red focus frame)	The camera can not focus.	<ul style="list-style-type: none"> • Use focus lock to focus on another subject at the same distance, then recompose the picture (pg. 15). • If the subject is poorly lit, try focusing at a distance of about 2 m (6 ft. 7 in.). • Use macro mode to focus when taking close-ups.
!AE (displayed in red)	The subject is too bright or too dark. The picture will be over- or under-exposed.	If the subject is dark, use the flash.
FOCUS ERROR	Camera malfunction.	Turn the camera off and then on again, taking care not to touch the lens. If the message persists, contact a FUJIFILM dealer.
ZOOM ERROR		
NO CARD	No memory card inserted when COPY is selected in the playback menu.	Insert a memory card.
CARD NOT INITIALIZED	The memory card or internal memory is not formatted.	Format the memory card or internal memory (pg. 62).
	The memory card contacts require cleaning.	Clean the contacts with a soft, dry cloth. If the message is repeated, format the memory card (pg. 62). If the message persists, replace the memory card.
	Camera malfunction.	Contact a FUJIFILM dealer.
PROTECTED CARD	The memory card is locked.	Unlock the memory card (pg. 5).
BUSY	The memory card is incorrectly formatted.	Use the camera to format the memory card (pg. 62).

Warning	Description	Solution
CARD ERROR	The memory card is not formatted for use in the camera.	Format the memory card (pg. 62).
	The memory card contacts require cleaning or the memory card is damaged.	Clean the contacts with a soft, dry cloth. If the message is repeated, format the memory card (pg. 62). If the message persists, replace the memory card.
	Camera malfunction.	Contact a FUJIFILM dealer.
 MEMORY FULL	The memory card or internal memory is full; pictures can not be recorded or copied.	Delete pictures or insert a memory card with more free space.
 MEMORY FULL		
INTERNAL MEMORY IS FULL INSERT A NEW CARD		
WRITE ERROR	Memory card error or connection error.	Re-insert the memory card or turn the camera off and then on again. If the message persists, contact a FUJIFILM dealer.
	Not enough memory remaining to record additional pictures.	Delete pictures or insert a memory card with more free space.
	The memory card or internal memory is not formatted.	Format the memory card or internal memory (pg. 62).
READ ERROR	The file is corrupt or was not created with the camera.	The file can not be played back.
	The memory card contacts require cleaning.	Clean the contacts with a soft, dry cloth. If the message is repeated, format the memory card (pg. 62). If the message persists, replace the memory card.
	Camera malfunction.	Contact a FUJIFILM dealer.
FRAME NO. FULL	The camera has run out of frame numbers (current frame number is 999-9999).	Format the memory card and select RENEW for the  FRAME NO. option in the  SETUP menu (pg. 60). Take a picture to reset frame numbering to 100-0001, then return to the  FRAME NO. menu and select CONTINUOUS .

Warning	Description	Solution
TOO MANY FRAMES	Date for which more than 4,999 pictures exist selected in sort-by-date view.	Choose a different date.
PROTECTED FRAME	An attempt was made to delete or rotate a protected picture.	Remove protection before deleting or rotating pictures.
 NO IMAGE	The source device selected in the playback COPY menu contains no pictures.	Select a different source.
 NO IMAGE		
 CAN NOT TRIM	An attempt was made to crop a  picture.	These pictures can not be cropped.
CAN NOT TRIM	The picture selected for cropping is damaged or was not created with the camera.	
DPOF FILE ERROR	The DPOF print order on the current memory card contains more than 999 images.	Copy the pictures to internal memory and create a new print order.
CAN NOT SET DPOF	The picture can not be printed using DPOF.	—
 CAN NOT SET DPOF	Movies can not be printed using DPOF.	—
CAN NOT ROTATE	The picture can not be rotated.	—
 CAN NOT ROTATE	Movies can not be rotated.	—
COMMUNICATION ERROR	A connection error occurred while pictures were being printed or copied to a computer or other device.	Confirm that the device is turned on and check that the USB cable is connected.
PRINTER ERROR	Printer out of paper or ink, or other printer error.	Check printer (see printer manual for details). To resume printing, turn the printer off and then turn it back on.
PRINTER ERROR RESUME?		Check printer (see printer manual for details). If printing does not resume automatically, press MENU/OK to resume.

Warning	Description	Solution
CAN NOT BE PRINTED	An attempt was made to print a movie, a picture not created with the camera, or a picture in a format not supported by the printer.	Movies and some pictures created with other devices can not be printed. If the picture was created with the camera, check the printer manual to confirm that the printer supports the JFIF-JPEG or Exif-JPEG format. If it does not, the pictures can not be printed.

Glossary

Digital zoom: Unlike optical zoom, digital zoom does not increase the amount of visible detail. Instead, details visible using optical zoom are simply enlarged, producing a slightly “grainy” image.

Discharge: The capacity of rechargeable Ni-MH batteries will drop if they are repeatedly charged without first being fully discharged. Full capacity can be restored by repeatedly discharging the batteries using the  **DISCHARGE** option in the camera setup menu and recharging them using a battery charger (sold separately).

DPOF (Digital Print Order Format): A standard that allows pictures to be printed from “print orders” stored in internal memory or on a memory card. The information in the order includes the pictures to be printed and the number of copies of each picture.



EV (Exposure Value): The exposure value is determined by the sensitivity of the image sensor and the amount of light that enters the camera while the image sensor is exposed. Each time the amount of light doubles, EV increases by one; each time the amount of light is halved, EV decreases by one. The amount of light entering the camera can be controlled by adjusting aperture and shutter speed.

Exif Print: A standard that allows information stored with pictures to be used for optimal color reproduction during printing.

JPEG (Joint Photographic Experts Group): A compressed file format for color images. The higher the compression rate, the greater the loss of information and more noticeable drop in quality when the picture is displayed.

Motion JPEG: An AVI (Audio Video Interleave) format that stores images and sound in a single file, with the images recorded in JPEG format. Motion JPEG files can be played in QuickTime 3.0 or later.

Smear: A phenomenon specific to CCDs which causes white streaks to appear when very bright light sources, such as the sun or reflected sunlight, appear in the frame.

White balance: The human brain automatically adapts to changes in the color of light, with the result that objects that appear white under one light source still appear white when the color of the light source changes. Digital cameras can mimic this adjustment by processing images according to the color of the light source. This process is known as “white balance.”

Flash Mode and Shooting Mode

The flash modes available depend on the option selected for  **SHOOTING MODE** (pg. 21).

Flash mode	Shooting mode																
	AUTO																
AUTO	✓	—	✓	✓	—	✓	—	—	✓	✓	—	—	—	—	—	—	✓
	✓	—	✓	✓	—	—	—	—	✓	✓	—	✓	—	✓	—	—	✓
	✓	—	✓	✓	—	✓	—	—	✓	✓	—	—	—	—	—	✓	✓
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	✓
S 	—	—	—	✓	—	—	✓	—	—	—	—	—	—	—	—	—	✓
 SLOW	—	—	—	✓	—	—	✓	—	—	—	—	—	—	—	—	—	✓

Internal Memory/Memory Card Capacity

The following table shows the recording time or number of pictures available at different image qualities. All figures are approximate; file size varies with the scene recorded, producing wide variations in the number of files that can be stored. The number of exposures or length remaining may not diminish at an even rate.

		QUALITY							
		8M F	8M N	3:2	4M	2M	03M	640 (30 fps)	320 (30 fps)
Image size (pixels)		3264×2448		3264×2176	2304×1728	1600×1200	640×480	640×480	320×240
File size		3.8MB	1.9MB	1.7MB	970KB	610KB	110KB	—	—
Internal memory (approx. 24 MB)		5	11	13	23	37	170	29 sec.	53 sec.
SD card	128 MB	30	60	65	120	190	850	2 min.	4 min.
	256 MB	60	120	130	240	380	1710	4 min.	8 min.
	512 MB	120	240	280	490	770	3430	9 min.	17 min.
	1 GB	250	490	560	980	1540	6880	19 min.	35 min.
	2 GB	500	990	1120	1930	3090	12390	39 min.	71 min.
SDHC card	4 GB	1000	2000	2250	3870	6200	24820	79 min.*	143 min.*
	8 GB	2020	4010	4520	7780	12440	47130	160 min.*	288 min.*

* Total length of all movie files. Individual movies can not exceed 2 GB in size.

Specifications

System	
Model	FUJIFILM DIGITAL CAMERA A850
Effective pixels	8.1 million
CCD	1/2.5-in., square-pixel CCD with primary color filter
Storage media	• Internal memory (approx. 24 MB) • SD/SDHC memory cards (see page 5)
File system	Compliant with Design Rule for Camera File System (DCF), Exif 2.2, and Digital Print Order Format (DPOF)
File format	• Still pictures: Exif 2.2 JPEG (compressed) • Movies: Motion JPEG AVI
Image size (pixels)	• 8M F: 3,264 × 2,448 • 8M N: 3,264 × 2,448 • 6.3M: 3,264 × 2,176 • 4M: 2,304 × 1,728 • 2M: 1,600 × 1,200 • 0.3M: 640 × 480
File size	See page 79
Lens	3 × optical zoom lens, F/2.8 (wide angle) – 4.9 (telephoto)
Focal length	f=6.1 mm–18.3 mm (35-mm format equivalent: 36 mm–108 mm, or 38 mm–114 mm at 3:2)
Digital zoom	Approx. 5.1 × (up to 15.3 × when combined with optical zoom)
Aperture (wide angle)	Two steps (F/2.8 and F/4.5)
Focus range (distance from front of lens)	Approx. 60 cm (2 ft.)–infinity (wide angle/telephoto) Macro mode: approx. 6 cm–80 cm/2.4 in.–2 ft. 7 in. (wide angle); 40 cm–80 cm/1 ft. 4 in.–2 ft. 7 in. (telephoto)
Sensitivity	Equivalent to ISO 100, 200, 400, 800; AUTO (Standard Output Sensitivity)
Metering	256-segment through-the-lens (TTL) metering
Exposure control	Programmed autoexposure
Exposure compensation	–2 EV – +2 EV in increments of 1/3 EV (CAM mode)
Scene modes	 (BABY MODE),  (PORTRAIT),  (LANDSCAPE),  (SPORT),  (NIGHT),  (NATURAL LIGHT),  (BEACH),  (SNOW),  (FIREWORKS),  (SUNSET),  (FLOWER),  (PARTY),  (MUSEUM),  (TEXT),  (MOVIE)
Picture stabilization	Available
Shutter speed	1/4 s – 1/2,000 s (AUTO mode); 8 s – 1/2,000 s (other modes); combined mechanical and electronic shutter
Focus	• Mode: Single AF • Autofocus system: Contrast-detect TTL AF • Focus-area selection: AF CENTER

System	
White balance	Automatic scene detection; six manual preset modes for direct sunlight, shade, daylight fluorescent, warm white fluorescent, cool white fluorescent, and incandescent lighting
Self-timer	Approx. 2 s and approx. 10 s
Flash	Auto flash; effective range when sensitivity is set to AUTO is approx. 30 cm–4.2 m/1 ft.–13 ft. 9 in. (wide angle), 30 cm–2.5 m/1 ft.–8 ft. 2 in. (telephoto), or 6 cm–30 cm/2.4 in.–1 ft. (macro mode)
Flash modes	Auto, red-eye reduction, fill flash, off, slow sync, slow sync with red-eye reduction
Monitor	2.5-in., 154k-dot low-temperature polysilicon TFT color LCD monitor; frame coverage approx. 97%
Movies	Camera can record movies with monaural sound and a frame size of 640×480 (640) or 320×240 (320) at a frame rate of 30fps
Shooting options	Best framing and frame number memory
Playback options	Multi-frame playback, sort-by-date, cropping (still pictures only), slide show, and image rotation
Other options	PictBridge, Exif Print, language selection (Simplified Chinese, Traditional Chinese, Czech, Dutch, English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Swedish, and Turkish), time difference, discharge option for rechargeable Ni-MH batteries
Input/output terminals	
A/V OUT (audio/video output)	NTSC or PAL with monaural sound
Digital input/output	USB 2.0 High Speed with MTP/PTP connection

Power supply/other

- Power sources**
- AA alkaline batteries (x2)
 - AA rechargeable nickel-metal hydride (Ni-MH) batteries (x2; sold separately)

Battery life Approx. 120 frames (alkaline batteries of the type supplied with the camera) or 350 frames (2,500 mAh Ni-MH batteries), based on CIPA (Camera and Imaging Products Association) standard; measured at 23 °C (73 °F) with the monitor on, pictures recorded to an SD memory card, the camera zoomed from widest angle to maximum zoom and back once every 30 s, the flash fired at full power with every other shot, and the camera turned off and then on again every 10 shots. Note that the number of shots that can be taken varies with battery make and charge state, temperature, and shooting conditions.

Camera dimensions 92.9 mm x 60.4 mm x 30.1 mm/3.7 in. x 2.4 in. x 1.2 in. (W x H x D), excluding battery and accessories

Camera weight Approx. 135 g/4.8 oz., excluding battery, accessories, and memory cards

Shooting weight Approx. 185 g/6.5 oz., including battery and memory card

Operating conditions

- **Temperature:** 0 °C – +40 °C / +32 °F – +104 °F
- **Humidity:** 10%–80% (no condensation)

Color Television Systems

NTSC (National Television System Committee) is a color television telecasting specification adopted mainly in the U.S.A., Canada, and Japan. PAL (Phase Alternation by Line) is a color television system adopted mainly in European countries and China.

Notices

- Specifications subject to change without notice. FUJIFILM shall not be held liable for damages resulting from errors in this manual.
- Although the monitor is manufactured using advanced high-precision technology, small bright points and anomalous colors (particularly in the vicinity of text) may appear. This is normal for this type of monitor and does not indicate a malfunction; images recorded with the camera are unaffected.
- Digital cameras may malfunction when exposed to strong radio interference (e.g., electric fields, static electricity, or line noise).
- Due to the type of lens used, some distortion may occur at the periphery of images. This is normal.

FUJIFILM Digital Camera Worldwide Network

Contact your local distributor (see list below) for repairs and technical support. Please present the warranty and purchase receipt when requesting repairs; refer to the warranty card for the conditions of the warranty. Technical support may not be available for models not handled by the local distributor. The following information is subject to change without notice.

NORTH AMERICA			
Canada	FUJIFILM Canada Inc.	Technical support	TEL 1-866-818-FUJI (3854) http://www.fujihelp.ca
		Repair service	TEL 1-800-263-5018 http://www.fujihelp.ca
U.S.A.	FUJIFILM U.S.A., Inc.	Technical support	TEL 800-800-3854 digitalinfo@fujifilm.com
		Repair service	TEL 800-659-3854
CENTRAL AND SOUTH AMERICA			
Argentina	Imagen e informacion S.A.	Technical support & repairs	TEL +54-11-4836-1000 servtec@imageneinformacion.com.ar
Bolivia	Reifschneider Bolivia Ltda.	Technical support & repairs	TEL +591 33 44 1129 gciagral@bibosi.scz.entelnet.bo
Brazil	FUJIFILM do Brasil Ltda.	Technical support & repairs	TEL 0800-12-8600 camarasdigitais@fujifilm.com.br
Chile	Reifschneider SA	Technical support & repairs	TEL 56-2-6781200 serviciotecnico@reifschneider.cl
Colombia	Animex de Colombia Ltda.	Technical support & repairs	TEL +57 1 338-0299 animex@etb.net.co
Ecuador	Espacri Cia Ltda	Technical support & repairs	TEL 593-72-835526
	Importaciones Espacri Cia. Ltda.	Technical support & repairs	TEL +593 783 5526 portiz@fujifilm.com.ec
Mexico	Fujifilm de Mexico, S.A. de C.V.	Technical support	TEL (52-55) 5263-55000 eizquierdo@fujifilm.com.mx
		Repair service	TEL (52-55) 5366-5150/56/57 cpalma@fujifilm.com.mx
Paraguay	Errece S.R.L.	Technical support & repairs	TEL +595 21 444256 jmarbulo@fujifilm.com.py
Peru	Procesos de Color S.A.	Technical support & repairs	TEL +51 14 33 5563 jalvarado@fujifilm.com.pe
Uruguay	Fotocamara S.R.L.	Technical support & repairs	TEL +598-2-9002004 fotocam@adinet.com.uy
Uruguay	Kiel S.A.	Technical support & repairs	TEL (05982) 419 4542 kiel@fujifilm.com.uy
Venezuela	C. Hellmund & Cia Sa	Technical support & repairs	TEL 0212-2022300 hellmund@hellmund.com
EUROPE			
Austria	Fuji Film Oesterreich	Technical support & repairs	TEL 0043 1 6162606/51 or 52 kamera.service@fujifilm.at
Belgium	Belgian Fuji Agency	Technical support & repairs	TEL 3210242090 info@fuji.be
Croatia	I&I d.o.o.	Technical support	TEL 38512319060 dsaravanja@fujifilm.hr
		Repair service	TEL 38512316228 info@fujifilm.hr

EUROPE			
Cyprus	PMS IMAGING LTD	Technical support & repairs	TEL 35722746746 mariosashiatis@fujifilm.com.cy
	Doros Neophytou CAMERA REPAIRS	Technical support & repairs	TEL 35722314719 dorosn@logosnet.cy.net
Czech Republic	Fujifilm Cz., s.r.o.	Technical support	TEL 00420 234 703 411 fricman@fujifilm.cz
	AWH servis	Repair service	TEL 00420 222 721 525 awh@awh.cz
Denmark	Fujifilm Danmark A/S	Technical support & repairs	TEL 0045 45662244 fujifilm@fujifilm.dk
Finland	Fuji Finland Oy	Technical support & repairs	TEL +358 9 825951 www.fuji.fi fuji@fuji.fi
France	FUJIFILM France	Technical support & repairs	direction.technique@pm2s.fr
Germany	FUJIFILM Electronic Imaging Europe GmbH	Technical support & repairs	TEL 0180 / 589 89 80` service@fujifilm-digital.com *0,14 EUR pro Minute aus dem deutschen Festnetz, abweichende Preise aus Mobilfunknetzen möglich, Stand bei Drucklegung.
Greece	FUJIFILM HELLAS S.A.	Technical support & repairs	TEL 0030 210 9404100 fujifilm@fujifilm.gr
Hungary	Fujifilm Hungary Ltd.	Technical support	TEL 3612389410 fujifilm@fujifilm.hu
		Repair service	TEL 3613633777
Iceland	Icephoto (Ljosmyndavorur)	Technical support & repairs	TEL 354 568 0450 framkollun@fujifilm.is
Italy	FujiFilm Italia S.r.l.	Call center	TEL 039-0267978181 info@fujifilm.it
		Repair service	TEL 039-6058294 FAX 039-6058295
Lithuania	Fujifilm Lithuania	Technical support & repairs	TEL 370-5-2130121 info@fujifilm.lt
Malta	Ciancio (1913) Co.Ltd.	Technical support & repairs	TEL 0356-21-480500 info@fujifilm.com.mt
Norway	Fujifilm Norge AS	Technical support	TEL 0047-02273 http://www.fujifilm.no/ mailto:post@fujifilm.no
		Repair service	TEL 0047-55393880 http://www.camera.no/mailto:service@camera.no
Poland	Fujifilm Polska Distribution Sp. z o.o.	Technical support	TEL +48-22-517-66-00 fujifilm@fujifilm.pl
		Repair service	TEL +48-22-886-94-40 serwis@fujifilm.pl
Portugal	Fujifilm Portugal, Lda	Technical support	TEL (351) 226 194 237 finepix@fujifilm.pt
		Repair service	TEL (351) 226 194 200 cameras@fujifilm.pt
Romania	CTS-Cardinal Top Systems Ltd	Technical support & repairs	TEL 4021-230-09-82 cts_tirla@hotmail.com
Russia	ZAO "Fujifilm RU"	Technical support	TEL +7-495-956-98-58 info@fujifilm.ru
		Repair service	TEL +7-495-956-98-58 www.fujifilm.ru
Slovakia	Fujifilm Slovakia s.r.o.	Technical support	TEL 00421 2 33 595 107 fujifilm@fujifilm.sk
Spain	Fujifilm Espana S.A.	Repair service	TEL 00421 2 33 595 119 servis@fujifilm.sk
		Technical support & repairs	TEL 902012535 http://www.fujifilm.es/soporte/ tallersat@fujifilm.es

EUROPE			
Sweden	Fujifilm Sverige AB	Technical support	TEL 46 8 506 141 70 <i>kamera@fujifilm.se</i>
		Repair service	TEL 46 8 506 513 54 <i>kameraverkstaden@fujifilm.se</i>
Switzerland / Lichtenstein	Fujifilm (Switzerland) AG	Technical support & repairs	TEL +41 44 855 5154 <i>RepairCenter@fujifilm.ch</i>
The Netherlands	FUJIFILM Electronic Imaging Nederland	Technical support	TEL +31(0)102812500 <i>helpdesk@fujifilm-digital.nl</i>
		Repair service	TEL +31(0)102812520 <i>camerareparaties@fujifilm-digital.nl</i>
Turkey	Fujifilm Türkiye Sinfo A.S.	Technical support	TEL +90 212 696 5090 <i>csarp@fujifilm.com.tr</i>
		Repair service	TEL +90 212 696 5090 <i>servis@fujifilm.com.tr</i>
U.K.	FUJIFILM UK Ltd.	Technical support	TEL +44 (0)8700 841310 <i>fujitec@fuji.co.uk</i>
		Repair service	TEL +44 (0)8700 841314 <i>fujitec@fuji.co.uk</i>
Ukraine	Image Ukraine CJSC	Technical support & repairs	TEL +380-44-4909075 <i>d@fujifilm.ua</i>
MIDDLE EAST			
Iran	Tehran Fuka Co.	Technical support & repairs	TEL (+98-21)2254810-19 <i>fuka@neda.net</i>
Israel	Shimone Group Ltd.	Technical support	TEL (+) 972 3 9250666 <i>digital@fujifilm.co.il</i>
		Repair service	TEL (+) 972 3 9250666 <i>khaim@shimone.com</i>
Jordan	Grand Stores Al- Abdali, Amman / Jordan	Technical support & repairs	TEL 009626-4646387 <i>gstores@go.com.jo</i>
Lebanon	Fototek S.A.R.L.	Technical support & repairs	TEL +961 1 252474 <i>fototek@antakholding.com</i>
Qatar	Techno Blue	Technical support	TEL 00974 44 66 175 <i>prabu@techno-blue.com</i>
Saudi Arabia	Emam Distribution Co. Ltd.	Technical support	TEL 96626978756 <i>service@fujifilm.com.sa</i>
Syria	Film Trading Company	Technical support	TEL + 963 11 2218049 <i>ft.c@Net.SY</i>
		Repair service	TEL + 963 21 4641903 <i>filmtradin@Net.SY</i>
U.A.E.	Grand Stores	Technical support & repairs	TEL + 971-4-2823700 <i>photography@grandstores.ae</i>
Yemen	Al-Haidary Trading	Technical support	TEL 00967-1-503980
		Repair service	TEL 00967-1-503977
AFRICA			
Egypt	Foto Express Egypt	Technical support & repairs	TEL (202) 7762062 <i>fotoegypt@access.com.eg</i>
Kenya	Fuji Kenya Ltd	Repair service	TEL (254-20)4446265-8 <i>info@fujifilm.co.ke</i>
South Africa	Cameratek CC.	Technical support & repairs	TEL +27 11 251 2400 <i>www.cameratek.co.za</i>
OCEANIA			
Australia	FUJIFILM Australia Pty Ltd	Technical support & repairs	TEL 1800 226 355 <i>digital@fujifilm.com.au</i>
Fiji	Brijlal & Co. Ltd	Technical support & repairs	TEL (679)3304133 <i>kapadia@connect.com.fj</i>
New Caledonia	Phocidis SARL	Technical support & repairs	TEL (00 687) 25-46-35 <i>phocidis@phocidis.nc</i>

OCEANIA			
New Zealand	Fujifilm NZ Ltd	Technical support & repairs	TEL +64-9-4140400 <i>glenn.beaumont@fujifilm.co.nz</i>
Papua New Guinea	Oceania PNG Limited	Technical support	TEL +675 3256411 <i>oceania@daltron.com.pg</i>
ASIA			
Hong Kong	Fuji Photo Products Co., Ltd.	Technical support & repairs	TEL (852)2406 3287 <i>rsd@chinahphoto.com.hk</i>
Indonesia	PT. Modern Internasional, Tbk.	Technical support & repairs	TEL +62 021 45867187 <i>assd_kmrsrv@modernphoto.co.id</i>
Malaysia	FUJIFILM (Malaysia) Sdn. Bhd.	Technical support	TEL 603-55698388 <i>technical@fujifilm.com.my</i>
		Repair service	TEL 603-55698388 <i>camera@fujifilm.com.my</i>
Philippines	YKL Development & Trdg. Corp.	Technical support	TEL 632-7436601~06 <i>info@yklcolor.com digital@yklcolor.com</i>
		Repair service	TEL 632-7436601~06 <i>techop_services@yklcolor.com</i>
Singapore	FUJIFILM (Singapore) Pte Ltd	Technical support & repairs	TEL 65-6380 5557 <i>service@fujifilm.com.sg</i>
South Korea	Korea Fujifilm Co., Ltd.	Technical support	TEL +82-2-3282-7363 <i>photo@fujifilm.co.kr</i>
	Yonsan AS Center (Fujidigital)	Repair service	TEL +82-2-701-1472 <i>1bowl@hanmail.net</i>
	Kangnam AS Center (Digitalgallery)	Repair service	TEL +82-2-2203-1472 <i>nurijili@hanmail.net</i>
	Busan AS Center (Digital-Sewon)	Repair service	TEL +82-51-806-1472 <i>merahan@yahoo.co.kr</i>
Taiwan	Hung Chong Corp.	Technical support & repairs	TEL 886-2-6602-8988 <i>dah@mail.hungchong.com.tw</i>
Thailand	FUJIFILM (Thailand) Ltd.	Technical support	TEL +662-2706000 ext. 751,752 <i>Dusit_Suriyong@fujifilm.co.th yaowarat@fujifilm.co.th</i>
		Repair service	TEL +662-2706000 ext.761,762 <i>warin@fujifilm.co.th</i>
Vietnam	International Minh Viet Co., Ltd.	Technical support & repairs	TEL +84-8-4135740 ext. 322 <i>diep.phanthithanh@imv.com.vn</i>