English

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INSTRUCTION BOOK SYMBOLS

The symbols used in this book are explained below.

Symbols

Required Reading

WARNING
Must be followed carefully to avoid bodily injury.

CAUTION
Necessary to avoid damaging the camera and/or other devices.

ALERT
Necessary to ensure correct camera function.

Very Useful Information

Note:
Useful extra information.

FYI
For Your Information:

Technical terms and professional concepts.

HINT
This suggestion will improve your photography.

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IMPORTANT SAFETY INSTRUCTIONS

WARNING
Read all of these instructions before using this product, and keep this guide handy for later reference. Follow all warnings and instructions marked on this product and options.

WHEN USING THIS PRODUCT

Note the following when using this product.

- ❏ To reduce the risk of electric shock, do not remove the cover of this product or options. Do not open any compartments except as instructed in this User's Guide.
- ❏ Do not insert objects into any openings.
- ❏ To prevent fire or electric shock, do not expose this product or options to rain or moisture.
- ❏ To prevent fire or electric shock, do not cover this product with a blanket or other covering that may give off an electric charge.
- ❏ To prevent fire or explosion, do not use this product where flammable or volatile gas is stored.

- ❏ Do not use this product outdoors during a thunderstorm.
- ❏ To prevent possible injury, do not take flash pictures in close proximity to anyone's eyes.
- ❏ Remove the batteries from and/or unplug this product and refer servicing to qualified service personnel under the following conditions:

  The power cord or plug is damaged; liquid has entered this product or its options; this product or its options have been dropped or the case damaged; this product or its options do not operate normally or exhibit a distinct change in performance; this product or its options emit unusual noises, odors, or smoke.
- ❏ Never adjust controls that are not mentioned in the operating instructions.
- ❏ If the liquid crystal solution contained in the LCD monitor leaks out and gets on your hands, wash them thoroughly with soap and water. If it gets into your eyes, flush them immediately with water.
- ❏ Do not look at the sun through the viewfinder. Doing so could damage your eyes.

WHEN USING THE STRAP

Note the following when using this product's strap.

- ❏ Do not swing this product about. Doing so could damage this product or other objects, or cause injury.
- ❏ Do not pull or tighten the strap too much when wearing it. Doing so could cause serious injury.
- ❏ Keep the strap away from children.

WHEN USING THE BATTERIES

Note the following when using batteries.

- ❏ Only use the batteries in EPSON Digital Cameras as specified in this manual.
- ❏ To guard against short-circuiting, do not remove the outside sleeves of the batteries.
- ❏ Keep the batteries from making contact with metal objects such as coins or keys, which could short-circuit the batteries.
- ❏ Do not put the batteries near or into fire or water.
- ❏ Read all relevant safety and operating instructions before using the batteries.
- ❏ Do not use manganese batteries (IEC R6).
- ❏ Do not charge primary (non-rechargeable) batteries.
- ❏ To avoid fire or electric shock, do not use batteries that are leaking or damaged in any way.
- ❏ Do not handle the batteries with wet hands or use them near water. Do not expose the batteries to water or high humidity.
- ❏ Do not place the batteries near or into heat sources or fire.
- ❏ Do not drop, puncture, disassemble, mutilate, or short-circuit batteries.
- ❏ To protect against short-circuiting, do not remove the outside sleeves of the batteries.
- ❏ Prevent the batteries from coming into contact with metal objects which could short-circuit the batteries, such as coins or keys.
- ❏ Do not insert batteries into wall outlets or other power sources such as car cigarette lighter sockets.
- ❏ Do not solder lead wires or terminals directly to a battery.

Replacing the batteries

You can replace them with any of the following batteries.

Single-use AA alkaline batteries

Rechargeable AA Ni-MH batteries

Rechargeable AA nickel-manganese batteries

Note:

Battery life varies depending on the battery type and the manufacturer.

If you use rechargeable batteries in the L-400, replace them with four fully-charged batteries. If you find that your batteries run out soon after recharging them a number of times, make sure you discharge them completely before recharging.

Handling the batteries

Keep the battery ends clean by wiping them with a dry cloth.

WARNING

- ❏ *Do not apply heat or force to batteries, and do not disassemble, drop, short-circuit, or put batteries into fire or water.*
- ❏ *Do not keep batteries loose in your pockets.*
- ❏ *Do not mix different types of batteries; this can cause fire or explosion.*
- ❏ *Always use batteries from the same package as a set. Do not mix old and new batteries.*

Storing the batteries

If you do not plan to use the camera for a long period of time, remove the batteries and store them at a low temperature in a dry location.

WARNING

- ❏ *Do not store batteries with metal objects, which could short-circuit the batteries.*
- ❏ *Avoid storing batteries in extremely hot or humid locations.*
- ❏ *Store batteries out of reach of children.*
- ❏ *Always remove the batteries from the camera and charger before storing. Batteries left in your camera and charger for a long time may leak and cause damage.*

Disposing of the batteries

Before disposing of batteries, make sure you discharge them completely.

WARNING

- ❏ *Be sure to securely cover the + end of each battery with tape to prevent combustion or explosion when disposing.*
- ❏ *Dispose of used batteries according to the manufacturer's instructions and in compliance with all applicable laws. Contact your local government agency for information about battery recycling and disposal.*

For the Netherlands users:

Do not dispose of the batteries with ordinary refuse. Instead, dispose of them as small chemical waste in accordance with local laws, and the following Dutch Government Gazette 45, KCA Marking:

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

For German users:

Do not dispose of batteries with ordinary refuse. Instead, dispose of them in a recycle box in accordance with local laws.

WARNING

If battery acid gets into your eyes or on your skin, immediately rinse the affected area thoroughly with water and seek medical treatment. If a battery is swallowed, seek medical treatment immediately.

FOR USERS IN HONG KONG

If damage occurs to the plug, replace the cord set or consult a qualified electrician.

Replace fuses only with fuses of the correct size and rating.

WHEN CHOOSING A POWER SOURCE

The AC adapter converts AC voltage from a wall outlet into the correct DC voltage for your EPSON product.

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with dry cloth.
7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9) Protect the power cord from being walked on or pinched particularly at plugs, convenience recectables, and the point where they exit from the apparatus.

10) Only use attachments/accessories specified by the manufacturer.

11) Unplug this apparatus during lightning storms or when unused for long periods of time.

12) Refer all servicing to qualified service personal. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

WARNING

- ***To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.***
- ***The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.***
- ***Only use this adapter in the manner described in your product's documentation. Check the product's documentation to make sure that this is the correct adapter for your product.***
- ***Read all relevant safety and operating instructions before using these products, as misuse could result in personal injury from fire, explosion, leakage, overheating, or electric shock. These safety and operating instructions should be kept for future reference.***

Note:

AC Adapter model A211H conforms to CE marking requirements in accordance with EC Directives 73/23/EEC and 89/336/EEC.

- Beware of electrical shock hazards.
- Do not use this product near water or handle it with wet hands.
- Keep away from heat sources. Do not use the charger outside the temperature range of 5°C to 35°C (41°F to 95°F).
- Do not insert objects into any openings as they may touch dangerous voltage points or short out parts.
- Never disassemble or modify this product.
- Use only indoors, in a dry location.
- Do not expose to water or excess humidity.
- Use the type of power source indicated on the label, and always supply power directly from a standard domestic electrical outlet.
- Do not place multiple loads on the electrical outlet.
- Be sure your AC power cord meets the relevant local safety standards.
- Never insert or disconnect the power plug with wet hands.
- Power-supply cords should be protected from abrasion, cuts, crimping and kinking. Be sure to place your cords to avoid any damage. Do not place objects on top of the power cord or allow the power cord to be stepped on or run over. You should take special care to try to keep the power cord straight at the ends and the points where it enters and leaves the transformer.
- Do not allow the AC power cord to become damaged or frayed.
- Unplug your equipment from the wall outlet and refer servicing to qualified personnel under the following conditions:

  If the power cord or plug is damaged; if liquid has entered your equipment; if your equipment has been exposed to rain or water; if your equipment has been dropped or damaged; if your equipment is operating abnormally or exhibits a distinct change in performance. Adjust only those controls described in your product documentation.
- Never attempt to repair this product yourself. Improper repair work can be dangerous.
- Unplug this product from the wall outlet before cleaning.
- Clean only with a clean, soft dry cloth.
- Do not use liquid or aerosol cleaners.
- Keep out of reach of children.
- For US and Canadian users:
  Use the included power cord or a 6 to 10 foot UL-approved type SPT-2 or heavier type, 2 x 18 AWG cord with a 125 V 10 A plug and 125V 7A connector.
- If you plan to use the AC Adapter in Germany, observe the following:
  To provide adequate short-circuit protection and over-current protection for these products, the building installation must be protected by a 16 Amp circuit breaker.

CAUTION:

This product is designed for use with EPSON products ONLY. Do not attempt to use it with other electronic devices.

EPSON FEATURES

Thank you for purchansing an EPSON L-400. It's not only a high quality digital camera, but has many useful features as well. Please read the Instruction Booklet thoroughly to prepare for many years of enjoyable photography.

Get beautiful results from many easy-to-use camera features!

You can take high quality photos just like a normal film camera. This camera has special 'Scene Modes' that result in fool-proof automatic photography in every situation.

For 'Scene Modes' (See page 32.)

Print your pictures directly to your own EPSON printer!

There is no need for a computer. You can print directly to an EPSON printer using a USB cable. (See page 39.) The cameras excellent digital images allow for truly high quality direct prints.

For 'Direct Printing' (See page 39.)

Enhance your photos with special printing features!

Select from a variety of frames stored right in the camera and add them to your photos when you print directly from the camera to an EPSON printer.

For 'PRINT Image Framer' (See page 28.)

For 'Direct Printing' (See page 39.)

Chapter 1

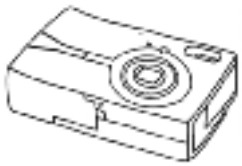
CAMERA SETUP

How to set up your camera for optimal performance

ITEMS

CHECKING THE PACKING CONTENTS

Make sure that your camera box contains all of the items shown below and that they are undamaged. If there is a problem, check with the store where you bought it.



Camera Body

User's Guide

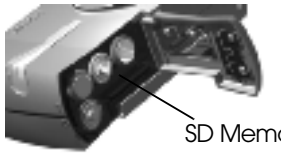
4 AA Alkaline Batteries

One CD-ROM

Digital Camera Software Guide

SD Memory Card
❑16 MB memory card

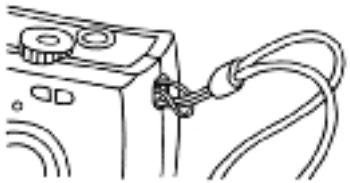
SD Memory Card
Installed in the camera
Batteries do not come installed in the camera.



SD Memory Card

Strap

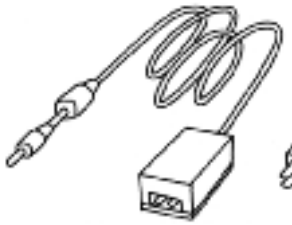
Attaching The STRAP
Please refer to the illustration.



PC Cable
May be used to connect the camera to a printer that can support USB DIRECT-PRINT (STYLUS Photo 935).

AV Cable

Printer Cable

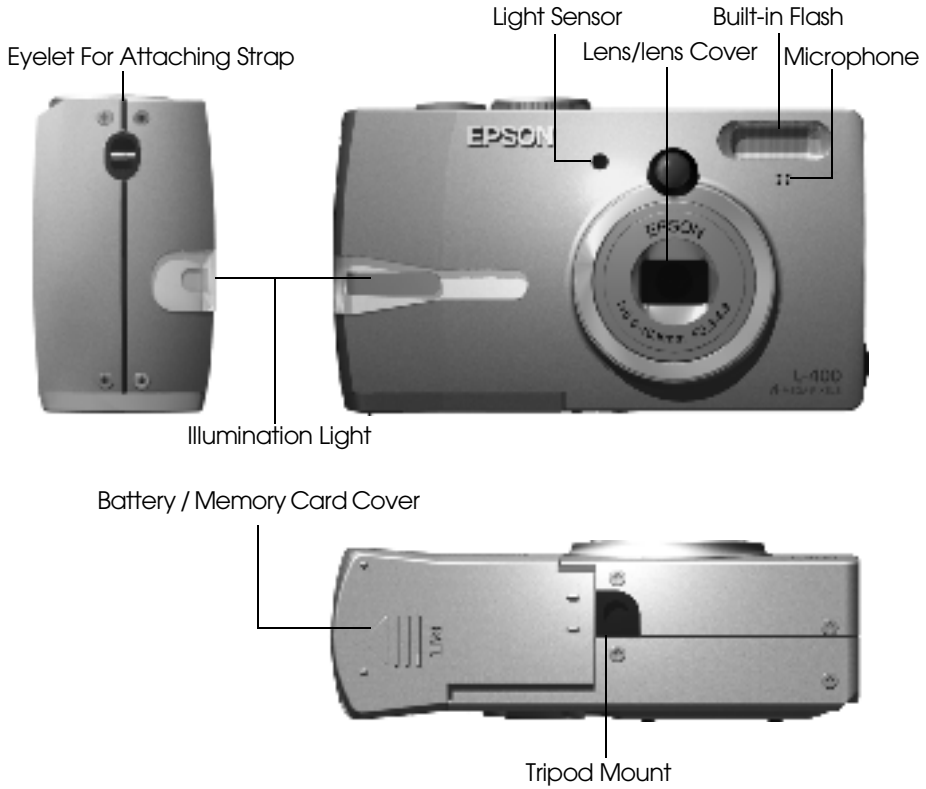


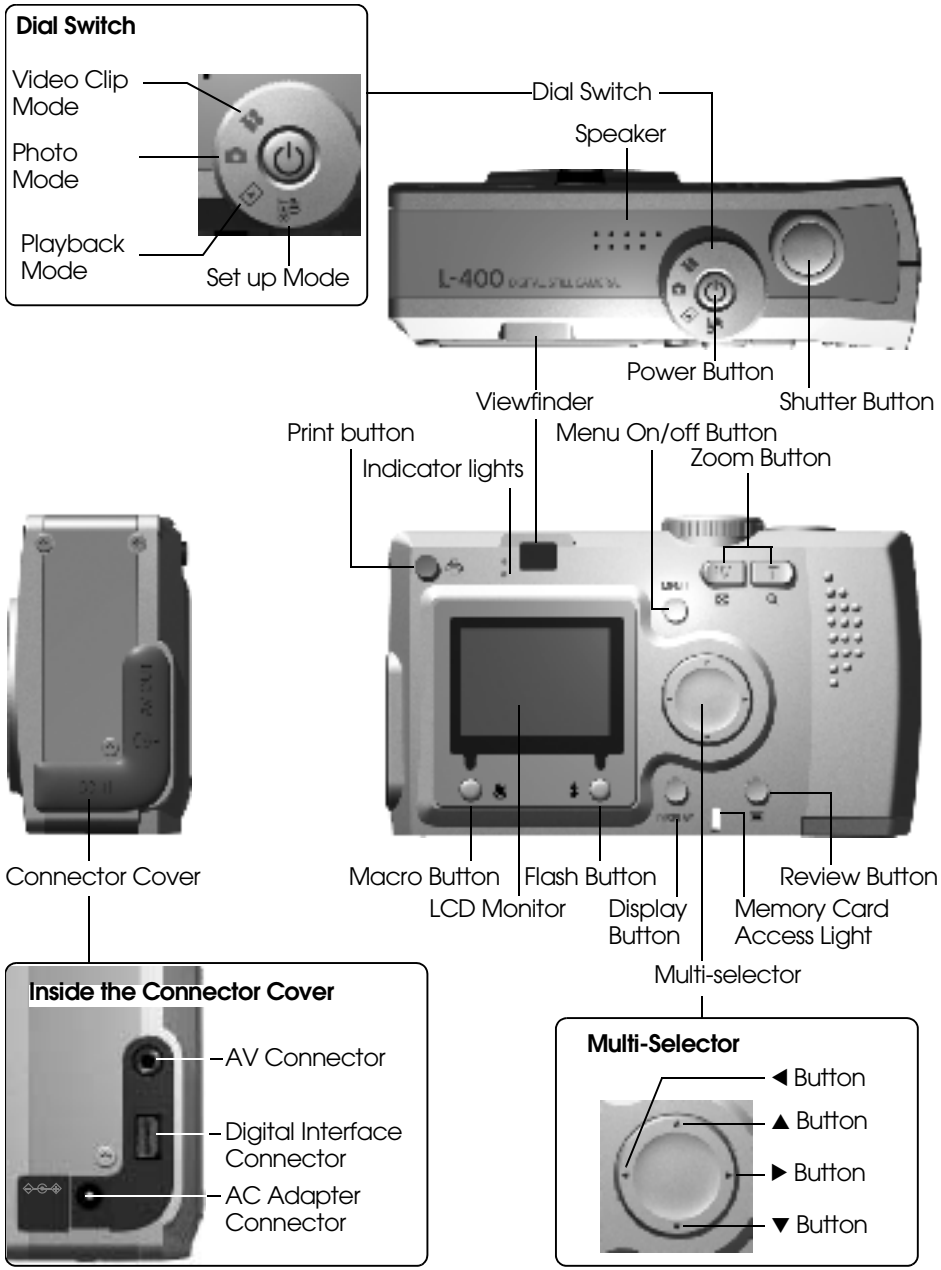
AC-Adapter (A211H)

AC-Adapter AC Cable

The AC power cord packed with your adapter is designed to match the voltage of the country of purchase.

TOP VIEW


Eyelet For Attaching Strap
Light Sensor
Lens/lens Cover
Built-in Flash
Microphone
Illumination Light
Battery / Memory Card Cover
Tripod Mount


Dial Switch
Video Clip Mode
Photo Mode
Playback Mode
Set up Mode
Dial Switch
Speaker
Power Button
Viewfinder
Shutter Button
Print button
Indicator lights
Menu On/off Button
Zoom Button
Connector Cover
Macro Button
LCD Monitor
Flash Button
Display Button
Review Button
Memory Card Access Light
Multi-selector
Inside the Connector Cover
AV Connector
Digital Interface Connector
AC Adapter Connector
Multi-Selector
◀ Button
▲ Button
▶ Button
▼ Button

BATTERIES AND MEMORY CARD INSTALLATION

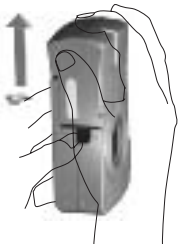
ACCESSING THE BATTERIES AND MEMORY CARD

ALERT

Be sure the camera is turned OFF before opening and closing the battery / memory card cover.

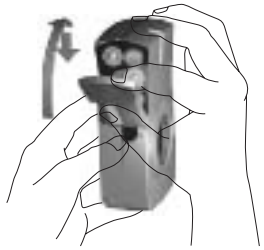
Opening the cover

Slide the Battery/Memory Card Cover in the direction of the arrow while pressing down on it.



Closing the cover

Slide the Battery/Memory Card Cover in the direction of the arrow until it clicks into place.



HOW TO INSERT AND REMOVE THE MEMORY CARD

The memory card is installed in the camera at the factory. Check that it is properly set.

MEMORY CARD INSERTION

Checking that the card is facing the right direction, slide it in until it clicks.

REMOVING THE MEMORY CARD

Release the card by pushing once and then pull it out with your fingers. (Push once to set it, push again to release it.)

CAUTION

The memory card is a precision electronic component. Comply with the instructions below to avoid damage.

- ❏ *Don't touch the terminals with your fingers or metal. Resulting static electricity could cause damage. Discharge body static electricity by touching something metal before you handle the card.*
- ❏ *Don't bend, drop or otherwise shock the memory card.*
- ❏ *Keep the memory card away from water, excessive heat or direct sunlight.*
- ❏ *Don't break down or take apart the memory card.*

Note:

You may also use a MultiMedia Card

You may use an SD memory card or a MultiMedia Card. (See pages 19, 53.)

Note:

The memory card must be removed when:

- ❏ *you would like to copy images saved on the memory card to a computer.*
- ❏ *the printer has a memory card slot that you may use directly.*

BATTERY SETUP

Be sure the battery poles + - are aligned properly.

SETTING THE BATTERIES

Insert the batteries according to the pole indications on the cover.

Note:

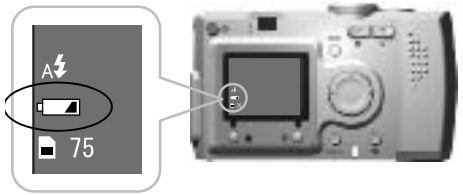
To find out what batteries may be used. See page 53.

CAUTION

If you insert the batteries incorrectly you may cause leaking, overheating or injury to yourself. You may also damage the camera.

BATTERY LIFE INDICATOR

As the batteries lose power, the icon on the LCD monitor will change from ▮ to ◪.



Batteries Icon

When the icon changes from ▮ to ◪.

Power in the batteries is almost depleted. Please be ready to insert a spare.

When the ▭ is flashing

The power is low and you can no longer photograph.
Then the indicator light will show red and the camera will automatically shut down.

WARNING

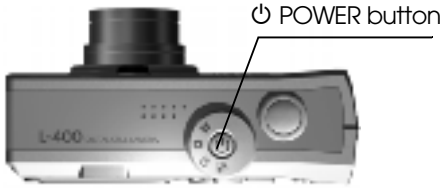
- ❏ *When changing the batteries, change all 4 at the same time and use the same brand.*
- ❏ *The life of a battery will vary depending on the brand and grade. The conditions and modes that are used will also affect the length of use.*
- ❏ *Non-rechargeable batteries cannot be recharged. Follow the instructions provided to discharge batteries.*

Note:

If the batteries run low, you can simply plug in the AC adapter to continue using the camera. (See page 25.)

SETTING UP YOUR CAMERA

POWER ON/OFF



Turning on the Power

Turn on the camera by pressing the POWER button. The lens cover will open automatically, and the lens will extend.

Turning off the Power

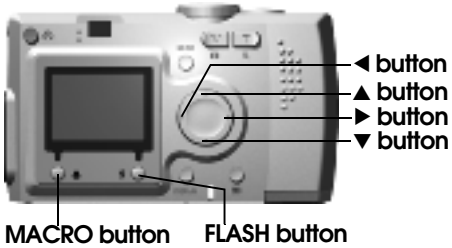
Pressing the POWER button again will turn the power off. The lens will automatically retract and the lens cover will close.

Note:

When the camera is left on for a long period of time without being used, it will automatically shut down to save the batteries. (See page 48.)

INITIAL SETTINGS

The first time you use the camera, you must set the following three items. You will only need to do this once.



1. Selecting a Language

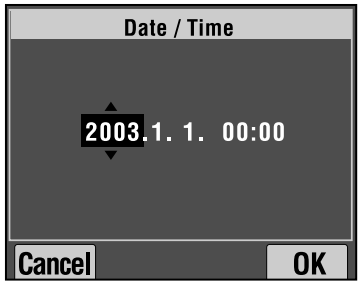
The first time you turn on the POWER, the 'Language' screen appears. Use the ▲▼ buttons to select English, then press the ϟ FLASH button. (See page 50.)

2. Setting Date & Time

Next the screen 'Date/Time' will appear with the year highlighted.

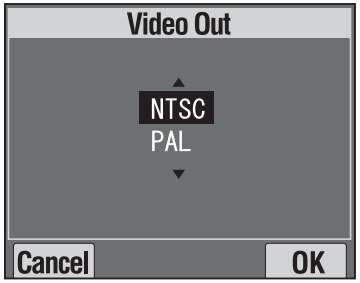
Use the ▲▼ buttons to change the numbers.
Use the ◀▶ buttons to highlight the next item.
Press the ϟ FLASH button to save the settings.
Press the MACRO button to return to previous settings.
Hold down the ▲▼ buttons to scroll faster.

You may change these settings at a later date. (See page 49.)



3. Setting the Video Out Signal

The last screen will say Video Out. Use the ▲▼ buttons to highlight PAL or NTSC. Then press the ϟ FLASH button to save. (See page 50.)
Initial settings are complete.



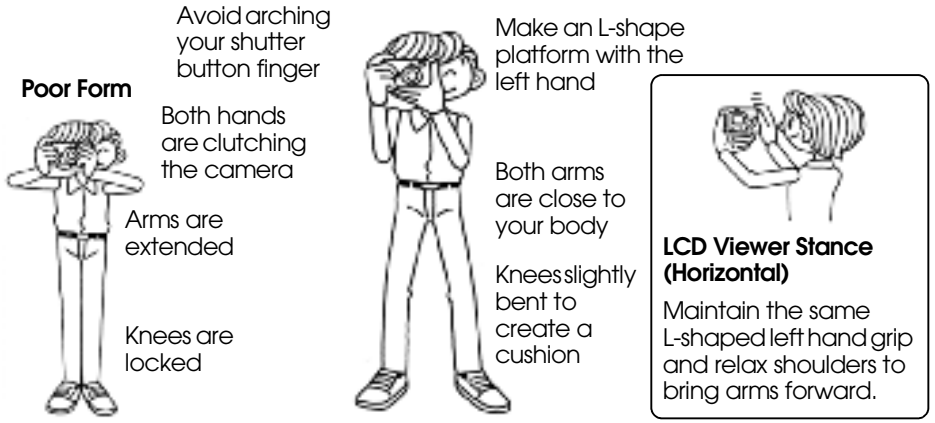
STANDARD OPERATION

How to use in the automatic mode.

HOLDING THE CAMERA / RELEASING THE SHUTTER

There is no special picture-taking stance for this particular camera, but it is useful to know these basic techniques for taking good pictures in general.

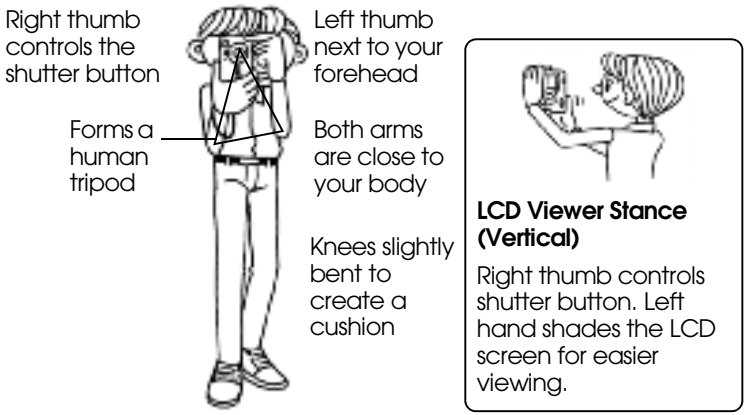
Good Form For Taking Horizontal Shots



LCD Viewer Stance (Horizontal)

Maintain the same L-shaped left hand grip and relax shoulders to bring arms forward.

Good Form For Taking Vertical Shots

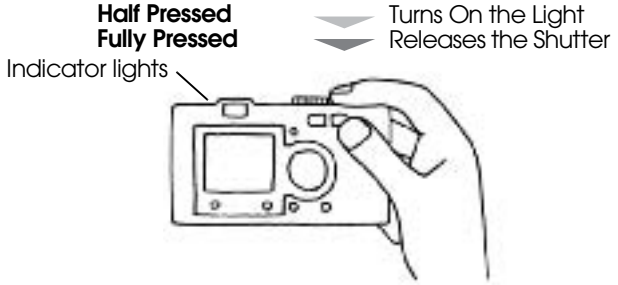


LCD Viewer Stance (Vertical)

Right thumb controls shutter button. Left hand shades the LCD screen for easier viewing.

Note:
In P.I.F. mode the image will sometimes appear upside down.

FULL & HALF SHUTTER BUTTON POSITONS



Full & Half Positions

The shutter button has a two-step function. Hold it halfway down to activate the flashing green Indicator light. The camera is automatically setting focus and shutter speed.

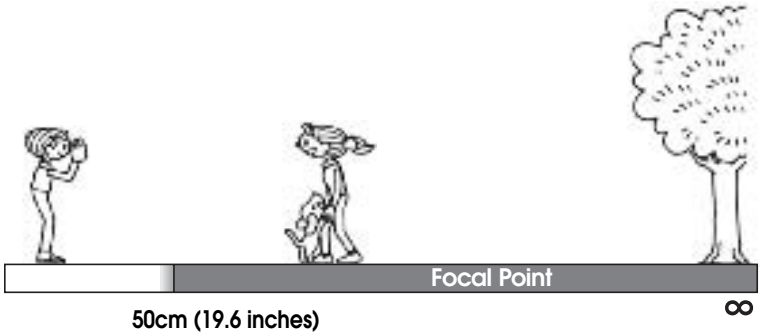
Fully press it completely to release the shutter.

HINT
Remember to make an L-shape platform and to avoid covering the lens or flash with your fingers. If you arch your right forefinger, you may press the shutter button too hard, jerking the camera as the shutter releases. Also, it is difficult to maintain a half-press when the finger is arched.

CAMERA RANGE

When taking a photograph, you will want your subject to stand at least 50cm(19.6 inches) away.

When you want to photograph something that is 50cm use the MACRO mode for better results. (See page 30.)



THE IMAGE SYSTEM

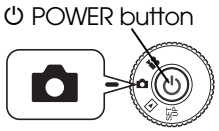
A brief description of how to take photos.

TAKING PHOTOS USING THE LCD MONITOR

You can use the LCD Monitor to compose the picture with automatic focusing. The captured image will appear, then disappear.

CAUTION

Be careful to avoid placing your fingers in front of the lens. Do not try to extend or retract the lens manually. This may damage the mechanism.



Turn the DIAL SWITCH to PHOTO MODE.

1. **Press the POWER button to turn the camera ON.**

   The lens will extend and the cover will open.
   The picture will appear on the LCD screen.

2. **Center the subject in the middle of the focus frame of the LCD monitor.**

3. **Press the SHUTTER button halfway to set the focus.**

   When focus is set, the indicator light turns steady and the focus frame on the LCD monitor will turn green a beep will sound. When the picture is not in focus the indicator light will flash and the focus frame on the LCD monitor will turn red. If this occurs, take your finger off the shutter button and try refocus the picture. Please note that the picture will not focus if your subject is closer than 50 cm. Use the MACRO mode. (See page 30.)

4. **Press the SHUTTER button fully to take the photo.**

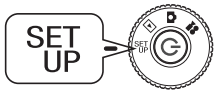
   You will know the picture is recorded when you hear the shutter sound. This sound may be turned off. (See page 47.)

5. **Press the POWER button to turn the camera OFF when finished.**

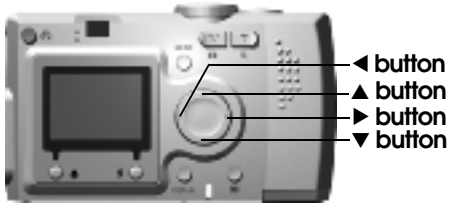
   The lens will retract and the lens cover will close.

TURNING THE QUICK VIEW ON/OFF

This system sends the recorded photo to the LCD monitor 3 seconds after the image is captured. This function may be turned ON or OFF.



Turn the DIAL SWITCH to SET UP mode and press the POWER button.



Use the ▲▼ BUTTONS to highlight QUICK VIEW. Use the ◀▶ BUTTONS to select ON/OFF.

The recorded picture is displayed. It will disappear after 3 seconds, or after the shutter button is pressed halfway, whichever is sooner.

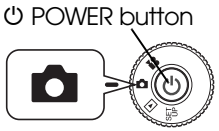
When using only the VIEWFINDER the QUICK VIEW function will not work.

USING THE VIEWFINDER-ONLY METHOD

How to take photos using the viewfinder only with the LCD monitor turned off. It is similar to using a standard range finder camera. This saves battery power when compared to using the LCD monitor to compose your pictures.

CAUTION

Be careful to avoid placing your fingers in front of the lens. Do not try to extend or retract the lens manually. This may damage the mechanism.



Turn the DIAL SWITCH to PHOTO MODE.

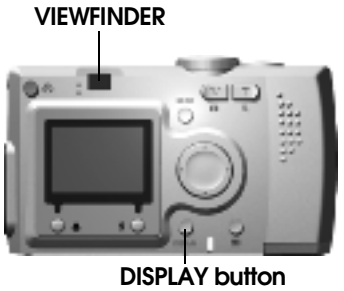
1. **Press the POWER button to turn on the camera.**

   The lens will extend and the cover will open. The subject will appear on the LCD monitor.

   The explanation for turning ON the POWER will be omitted from now on.

2. **Press the DISPLAY button to turn off the LCD MONITOR.**

   See page 26 for the explanation for the DISPLAY button.



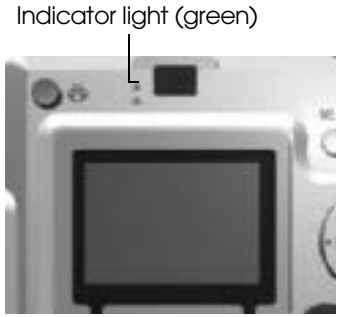
3. **Center the subject in the focus frame.**

   The camera will set the focus on the image located in the exact center of the frame.

The viewfinder during shooting.

4. **Press the SHUTTER button halfway to set the focus.**

   When focus is set, the indicator light turns steady a beep will sound. When the picture is not in focus the indicator light will flash and send signal by sound. If this occurs, take your finger off the shutter button and try refocus the picture.
   Please note that the picture will not focus if your subject is closer than 50 cm. Use the MACRO mode. (See page 30.)



5. **Press the SHUTTER button all the way to take the photo.**

   The shutter sound indicates the shutter has released. To turn off the shutter sound, see page 47. You are ready for the next shot when the green light stops flashing.

6. **Be sure to turn OFF the camera when you are finished by pressing the POWER button.**

   The lens will retract and the automatic cover will close.

   The explanation for turning OFF the POWER will be omitted from now on.

ALERT

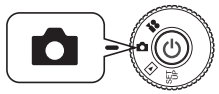
When using the VIEWFINDER to take close-up pictures, there will be a slight difference between what you see and what the camera records through the lens, referred to as parallax. Be mindful of this difference in close-up situations using the viewfinder.

Note:

When taking photos using the VIEWFINDER with the LCD Monitor off, pushing the MENU button will turn on the function display menus so you can change settings for different situations. (See pages 26, 32-34.)
You can turn off the menu display by pressing the MENU button again.

IF THE CAPTURED IMAGE IS OUT OF FOCUS FRAME

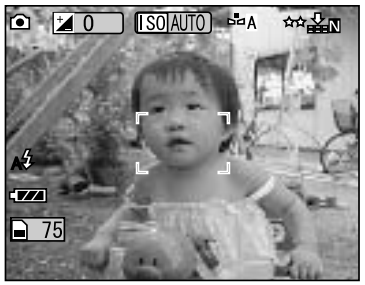
The automatic focus works only if the subject is in the FOCUS FRAME while the SHUTTER button is first pressed halfway down. After the focus is locked on the subject, you can adjust the frame to the desired composition and release the SHUTTER.



Turn the DIAL SWITCH to PHOTO MODE, and then turn the POWER ON.

1. **Place the subject in the center of the focus frame.**

   Just as when using the LCD monitor to compose the shot, you must put the object to be focused on in the center of the viewfinder.



2. **Press the shutter button halfway to set focus.**

   When focus is set, the indicator light stops blinking on both the LCD monitor and the VIEWFINDER.

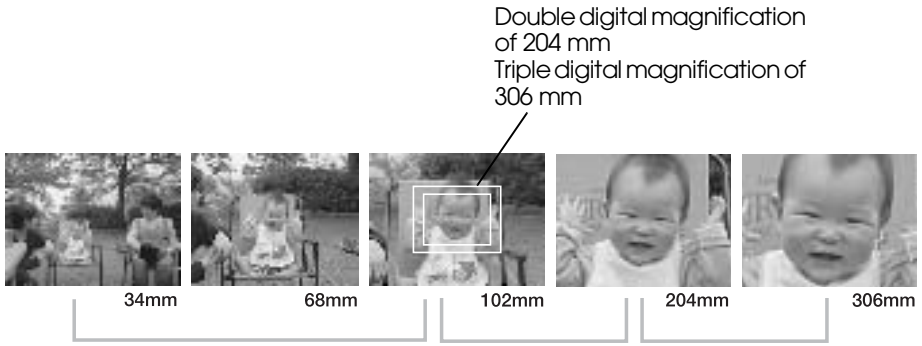
3. **Maintain the halfway shutter button position and if you wish, reposition the framing to your liking.**

4. **Press the shutter button completely to take the photo.**

   The shutter sound indicates the shutter has released.

OPTICAL ZOOM & DIGITAL ZOOM

This camera has a 3X OPTICAL ZOOM and a 2X DIGITAL ZOOM (2 frames) installed. As DIGITAL ZOOM is available when to photo with LCD monitor, maximum 9X ZOOM photo is possible.



OPTICAL ZOOM RANGE (3X)

Focal length covered by the 35mm optical zoom lens.

DIGITAL ZOOM (2X)

To zoom in press **T** to zoom out press **W**.

DIGITAL ZOOM (3X)

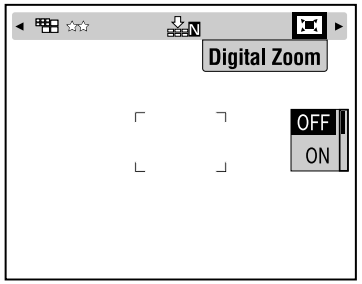
To zoom in press **T** to zoom out press **W**.

To activate DIGITAL ZOOM, first press **T** zoom button to maximize the OPTICAL ZOOM, release it, then press it again. This produces 2X DIGITAL ZOOM. Release and press again to achieve a 3X DIGITAL ZOOM. To return to the normal OPTICAL ZOOM mode, press the **W** zoom button, release and press it again.

Note:

Selecting Digital Zoom through the MENU

After pressing the MENU button, use the ◄► buttons to highlight Digital Zoom. Using the ▼▲ buttons, select either ON or OFF.



Note:

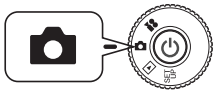
*When using digital magnification, the digital zoom indicator will appear at the right side of **T** bar. When 2X on the center, 3X on the right side of **T**.*

ALERT

You can also use the Digital Zoom while shooting through the VIEWFINDER, although all digitally enhanced images are inferior in resolution.

IMAGE CAPTURE SETTINGS

Selecting the Resolution and Compression



Turn the DIAL SWITCH to PHOTO MODE and then turn the POWER ON.

1. **Press the MENU button and use the ◄► to highlight RESOLUTION.**
2. **Use the ▲▼ buttons to select the number of pixels (size) from Standard, Fine or Superfine.**

RESOLUTION		Normal	DIGITAL ZOOM 2X	DIGITAL ZOOM 3X
Standard	★	640 × 480 pixels	640 × 480 pixels	640 × 480 pixels
Fine	★★	1600 × 1200 pixels	1280 × 960 pixels	800 × 600 pixels
Super fine	★★★	2304 × 1728 pixels	1280 × 960 pixels	800 × 600 pixels

3. **Press the MENU button and use the ◄► buttons to highlight COMPRESSION.**

   Normal mode is set at high compression, which takes less memory space but produces a lower quality picture.
   Fine mode produces the highest quality picture, but will require more memory.

4. Use the ▲▼ buttons to select Normal or Fine Compression.

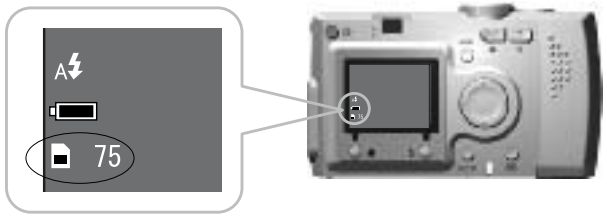
Note:

Photograph Quality Settings

The number of pictures you can fit on a memory card is determined by photograph quality. (See page 19.)
The camera keeps your last choice when it is turned off.
The camera is set in the "Normal" compression mode at the factory. Changing to "Fine" mode will improve the quality of your pictures (See page 19.), but the number of pictures that fit on a single memory card will be reduced.

CONFIRMING THE NUMBER OF PHOTOGRAPHS

The number of pictures stored on the memory card (at current quality and resolution settings) is displayed on the LCD monitor.



Number of Images

Approximate Number of Images

Quality		Approximate Number of Images (16MB)	
COMPRESSION / RESOLUTION		Normal	Fine
Standard	★	Approx. 127 Images	Approx. 68 Images
Fine	★★	Approx. 35 Images	Approx. 17 Images
Super Fine	★★★	Approx. 17 Images	Approx. 00 Images

Frame data will also be installed on the provided SD Memory card. This may reduce the total indicated on the table.

ALERT

- ❏ *The numbers are the result of factory tests made by the manufacturer.*
- ❏ *The numbers on the LCD monitor are only a guide. The actual numbers may vary.*
- ❏ *The numbers on the LCD monitor may vary with image capture settings.*
- ❏ *The number on the LCD monitor may change after each picture is taken. Each one will take up different amounts of memory. The number is calculated based on the factory average.*
- ❏ *When you take VIDEO CLIPS the amount of pictures you can take will change drastically. See page 37 for more detailed information on VIDEO CLIPS.*
- ❏ *The number of the sheets which can take pictures is a maximum of 9999.*

FYI

Comparing the SD and MultiMedia Memory Cards

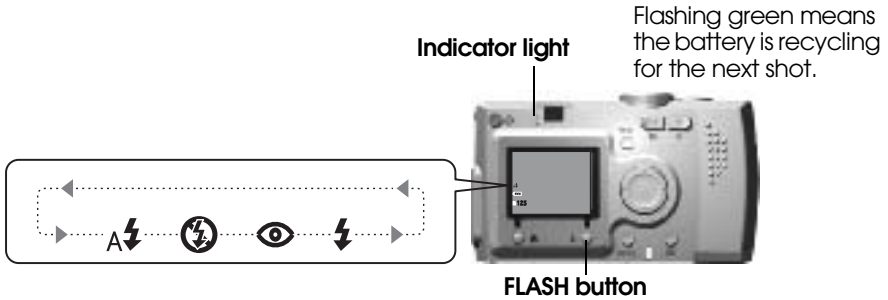
You may use both the SD Memory card and the MultiMediaCard (MMC) with this camera. The SD Memory card is quite fast and has the ability to hold large amounts of data. The MultiMedia Card uses less power so that the batteries last longer.

If you decide to buy a new memory card, the SD Memory card is recommended for its speed and ability to lock and protect your data. (See page 50.)

FLASH CONTROL

You can change the flash setting by pushing the ϟ FLASH button and observing the icons on the LCD monitor.

The mode changes each time you press the ϟ FLASH button.



Note:

Blurred Shot

When taking pictures in "No Flash" setting or in the "Forced Flash" setting (Slow Synchro), the shutter will be slower than 1/30 sec. at wide angle or 1/60 sec. at telephoto. At such slow speeds in low light, the image may blur from camera motion, therefore, a green light will flash to warn you.

FYI

Slow Synchro Shutter Shooting

This technique allows you to sync the Flash with the Slow Shutter Shooting. In most cases, if the flash is used in a very dark setting the background turns out dark, but when using the Forced Flash settings the exposure time lengthens (Slow Synchro Shutter Shooting) and brightens the background. The use of a tripod is recommended to prevent blurring.

Main Functions Of The Flash Icons

A	Automatic Flash (default setting)	The flash will automatically go off in a dark setting. In a well lit setting, the flash will not go off. This can be used for most settings.
	No Flash	Turns off the flash even in dark scenes. Use it for night scenes or wherever you are prohibited from using a flash. Please note that these shots may become blurred due to very slow shutter speed. 'No Flash' is the automatic setting in CONTINUOUS or VIDEO CLIP mode.
	Auto red-eye reduction	Use this setting when recording with a flash at night or indoors. The flash will go off once and will go off again when the picture is taken. This will help to reduce red-eye phenomenon.
	Forced Flash	The flash will go off at any time no matter the brightness. Use it when the background is bright or when you are shooting against the sun. When used in dark settings, the length of exposure becomes longer, changing into Slow Synchro Shutter Shooting. Please note that these shots may become blurred.

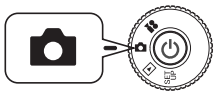
Flash Range

ISO Sensitivity		Normal (Wide Angle)	Normal (Telephoto)
Standard Sensitivity	ISO 100	0.5 - 2.6m (1.6 - 8.5ft)	0.5 - 1.5m (1.6 - 4.9ft)
High Sensitivity	ISO 200	0.5 - 3.7m (1.6 - 12.1ft)	0.5 - 2.1m (1.6 - 6.9ft)
Super High Sensitivity	ISO 400	0.5 - 5.2m (1.6 - 17.1ft)	0.5 - 3.0m (1.6 - 9.8ft)

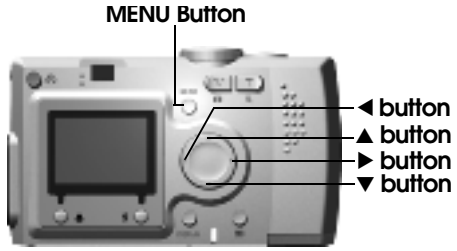
ISO Sensitivity (See page 33.)

USING THE SELF TIMER

Use the self-timer when you are recording an image of yourself or a group that includes you. Also, this feature will eliminate blurring.



Turn the DIAL SWITCH to PHOTO MODE and then turn the POWER ON.



1. **Press the MENU button and select ⏲ SELF TIMER by using the ◀▶ buttons.**
2. **Select either 2 sec. or 10 sec. by using the ▲▼ buttons.**

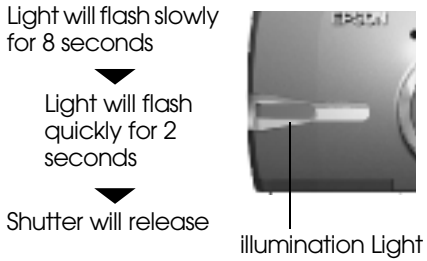
HINT

Short Self Timer

Shots taken at night, at sunset or in MACRO mode can easily become blurred. The shot often becomes blurred when the camera moves (because the shutter is open) while the shutter button is pressed down. When using the Short Self Timer the shutter is set to release 2 seconds after the button has been pressed, helping you to take photos that are not blurred. The light will flash quickly for 2 seconds before the shutter goes off.

3. **Center the image and press the SHUTTER button.**

   In the 10-sec. mode, the light flashes slowly for 8 seconds, then faster for the last 2 seconds before the shutter releases.
   To turn on the self timer sound, see page 47.



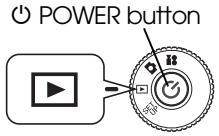
Note:

If you want to stop the process after pressing the shutter button in self timer mode, just press the MACRO button. EPSON recommends using a tripod or placing the camera on a flat horizontal surface when using this mode.

PLAYBACK SYSTEM

You can play back images and video clips in several ways.

ONE BY ONE PLAYBACK



Turn the DIAL SWITCH to PLAYBACK MODE and then turn the POWER ON.

The camera becomes a viewer and will playback the pictures you have just taken.

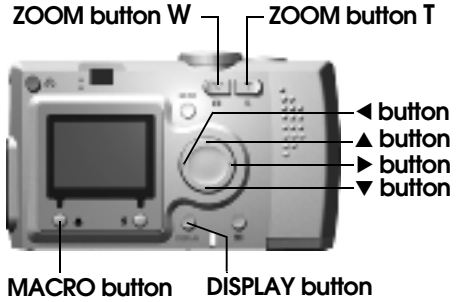


Image ID System

The left-hand number 24 is the current image, the right-hand number 75 is the number of photos taken.

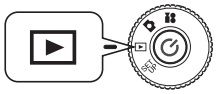
Press the ◄ button to display the previous image.
Press the ► button to display the next.

You may delete this image by pressing the MACRO button. (See page 23.)

Each time you press the DISPLAY button, the icons on the LCD Monitor can be turned on or off.

DISPLAYING MULTIPLE IMAGES

The LCD Monitor can display 6 images at once.



Turn the DIAL SWITCH to PLAYBACK MODE and then turn the POWER ON.

1. **Press the W ZOOM button to display 6 images at once.**
2. **Change the images by pressing the ▲▼◄► buttons.**

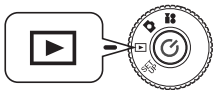
   To display only a single image, press the **T** ZOOM button.

Note:
The following symbols may appear on the LCD monitor.

- *: VIDEO CLIP data (See page 37.)*
- *: P.I.F. Frame (See page 27.)*
- *: Cannot be displayed-or-printed data*

LCD MONITOR IMAGE ENLARGEMENT

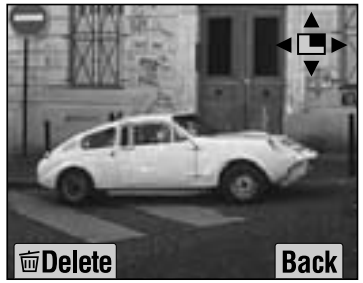
How to magnify captured images up to 4X.



Turn the DIAL SWITCH to PLAYBACK MODE and then turn the POWER ON.

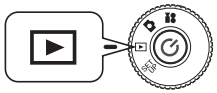
Press the T ZOOM button.

The **T** button enlarges the image, the **W** button reduces it.
If you continue to press the **W** button, the image will return to normal size.
Move the indication area with the ▲▼◄► buttons.
Each time you press the DISPLAY button, the information icons on the LCD Monitor can be turned on or off.

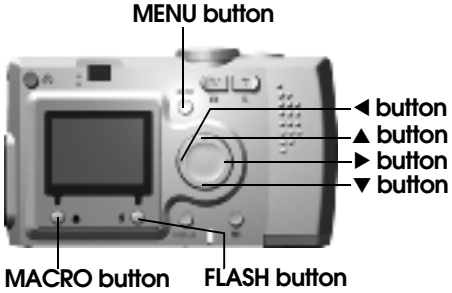


SLIDE SHOW

You can play back photos in a series. You can also rotate photos.



Turn the DIAL SWITCH to PLAYBACK MODE and then turn the POWER ON.



1. **Press the MENU button and select SLIDE SHOW with the ◀▶ buttons.**

Note:

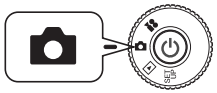
When viewing still images during the slide show, the pictures will be shown for 3 seconds. Once the slide show starts, both still images and VIDEO CLIP sequences will playback continuously.

2. **Press the ϟ FLASH button to start the slide show.**

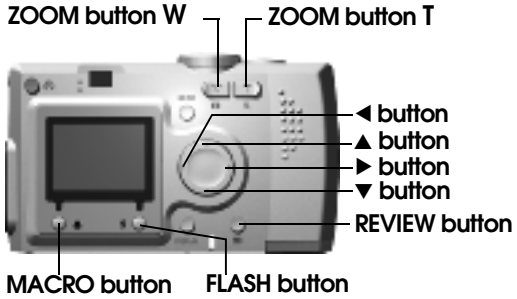
   Press the MACRO button to pause the slide show. Press the MACRO button again to restart the slide show.
   Press the ϟ FLASH button to quit the slide show.

QUICK PHOTO REVIEW

How to review photos while still in PHOTO MODE.



Turn the DIAL SWITCH to PHOTO MODE and then turn the POWER ON.



Press the REVIEW button. The LCD Monitor will change to REVIEW mode.

Use the **T** ZOOM button to enlarge the image.
Use the **W** ZOOM button to return to normal size.

◀ ▶ Buttons change the images.

MACRO button deletes the image.

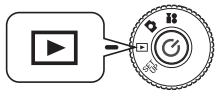
REVIEW button returns to PHOTO mode.

DELETING FILES

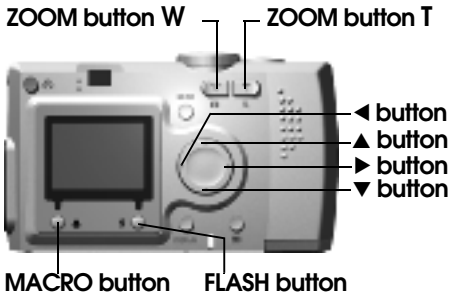
How to delete photos you don't want to keep.

DELETING A SINGLE PHOTO

Deleting one image at a time.



Turn the DIAL SWITCH to PLAYBACK MODE and then turn the POWER ON.



1. **Select the photo you want to delete with the ◀▶ buttons. Then press the MACRO button.**

   Press **W** on the ZOOM button in order to view 6 images at a time.

2. **Using the ▲▼ buttons, select "Delete this file". Press the FLASH button.**

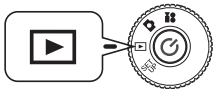
   If you do not wish to delete any files, press the MACRO button.

   If the data has been taken by another camera and has been locked the message "This file cannot be deleted because this file is locked or cannot be deleted." will appear. (See page 57.)

3. **If there is still data left on the memory card, the monitor will return to the PLAYBACK mode screen. If there is no data, the message "No Images" will be displayed.**

DELETING ALL IMAGES

You can delete all images from memory at the same time.

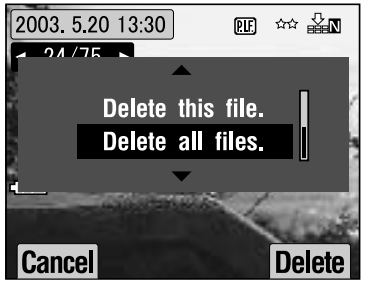


Turn the DIAL SWITCH to PLAYBACK MODE and then turn the POWER ON.

1. **Select Delete with the MACRO button.**

   Press **W** on the ZOOM button in order to view 6 images at a time.

2. **Select "Delete all files". with the ▲▼ buttons.**



3. **Press the FLASH button. The message "Delete all files?" will appear. Press the MACRO button to delete all files.**

   Press the FLASH button to cancel the deleting process. If the memory card has been locked by another camera the message "Some files are locked or could not be deleted." will appear on the monitor. (See page 57.)

4. **When all the images have been deleted, the message "No Images" will appear on the monitor.**

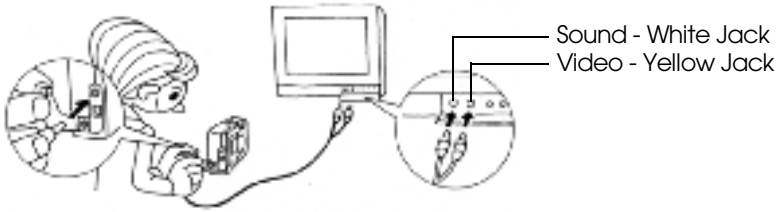
USING YOUR IMAGES

DISPLAYING ON A TV

Use your AV cable to connect the camera to video display devices.

CAUTION
Make sure the power is turned off before you begin.
Open the connector cover carefully, to avoid damaging it.

Open the connector cover and connect the AV cable from the camera to the TV.



Note:
Be sure the 'Video-out' setting matches your country's TV technical standard. It has been set to NTSC (the Japanese standard) at the factory.
(To change the setting, see page 50.)

EXPORTING IMAGES TO A COMPUTER

How to copy your images directly to your computer.

CAUTION
Make sure the power is turned off before you begin.
Open the connector cover carefully, to avoid damaging it.

Open the connector cover and connect the PC cable from the camera to the computer.

Depending on the OS of your computer, you may have to install driver software. The driver software can be found on the CD-ROM that is included. For more instructions, refer to your Digital Camera Software Guide.

WORKING WITH IMAGES ON A COMPUTER

"EPSON Photo!4" and "EPSON PhotoQuicker" digital photo software is included with your camera.

EPSON Photo!4 Features

This software allows you to store, review and arrange your digital camera images easily. Please read the instructions that come with the disk.

EPSON PhotoQuicker Features

This software will print and enhance your images just like your local photo shop.
Please read the instructions that come with the disk.

Note:
When images that were taken using the P.I.F. mode are copied to your computer, the link between the image and the frame will be broken.

DIRECT PRINTING FROM CAMERA TO PRINTER

You can print a selected image easily by pressing the PRINT button on the camera. Since it is a digital camera, you can print selected pictures as you watch and make a collection of printed pictures without using a computer at all. (See page 39.)

USING THE AC ADAPTER

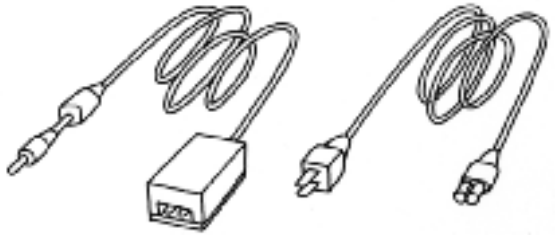
How to connect the AC adapter. When using the DIRECT PRINTING process, or when you have connected the camera to a computer or TV, the AC adapter can be used so that you do not have to worry about the life of the batteries in the camera.

HOW TO CONNECT THE AC ADAPTER

ALERT

- ❑ *When connecting the AC adapter, please make sure that the power on the camera has been turned off.*
- ❑ *When using the DIRECT PRINTING process, using the AC adapter is recommended.*
- ❑ *The AC adapter DOES NOT recharge batteries installed in the camera.*

AC Adapter (MODEL No.A211H) **AC Adapter AC Cable**



Connect the AC adapter as shown in the diagram.

CAUTION

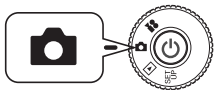
Do not use any equipment not listed in the manual.
See page 4 for safety instructions.
For the L-400, use only the provided AC adapter (MODEL No. A211H).
Also, do not use this AC adapter for other electric devices.

ADVANCED FUNCTIONS

DISPLAY & MENU BUTTON SETTINGS

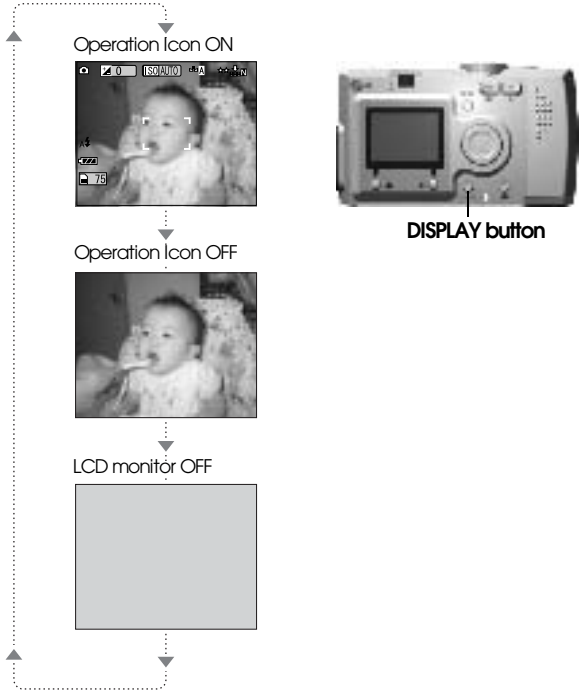
Functions of the DISPLAY button and the MENU button.

DISPLAY BUTTON FUNCTION

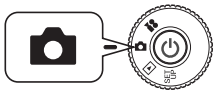


Turn the DIAL SWITCH to PHOTO MODE and then turn the POWER ON.

Press the DISPLAY button to turn the operation icons ON or OFF. Each time you press the DISPLAY button, the monitor cycles between operation Icons ON/operation icons OFF and LCD monitor OFF.

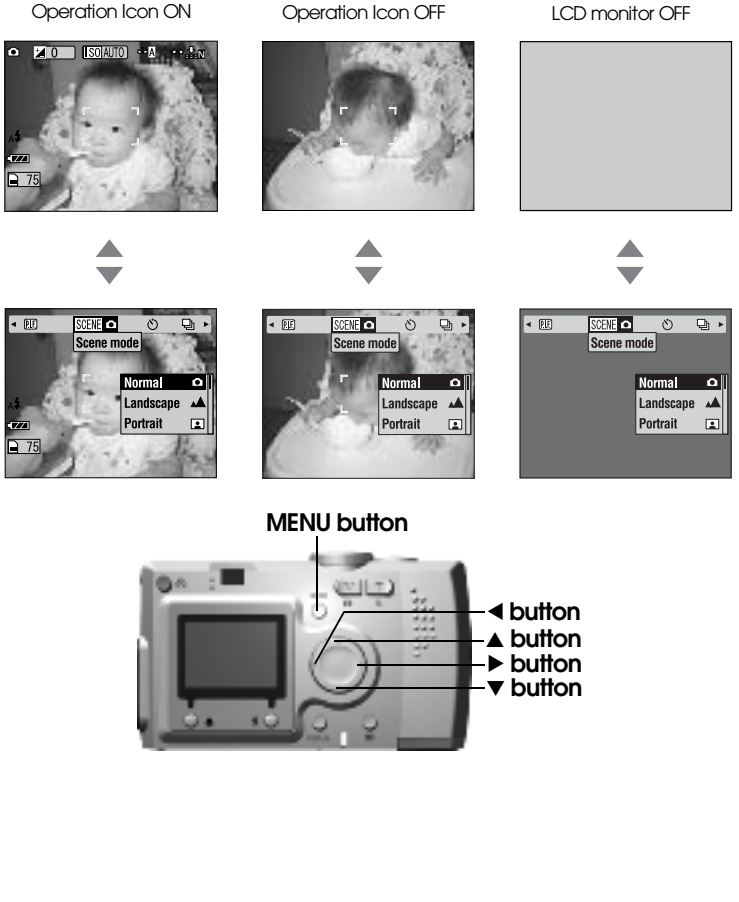


MENU BUTTON FUNCTION

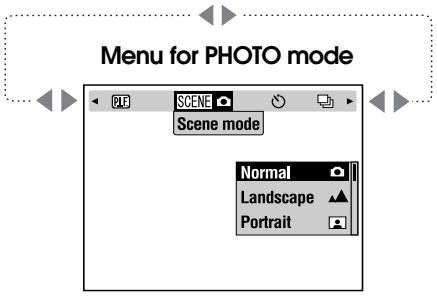


Turn the DIAL SWITCH to PHOTO MODE and then turn the POWER ON.

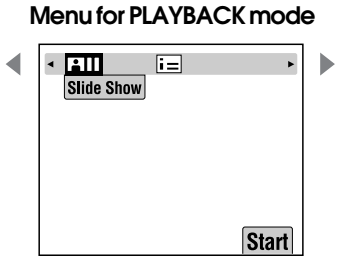
1. **Press the MENU button and the MENU shows up on the LCD monitor. Each time you press the MENU button you can turn the MENU ON or OFF.**



2. **In PHOTO mode, when you press the MENU button you may use the ◄► buttons to scroll through the menu.**
   In PLAYBACK mode the Menu items will become active each time you press the ◄► buttons.



Use the ◄► buttons to scroll through the menu (Shown below).



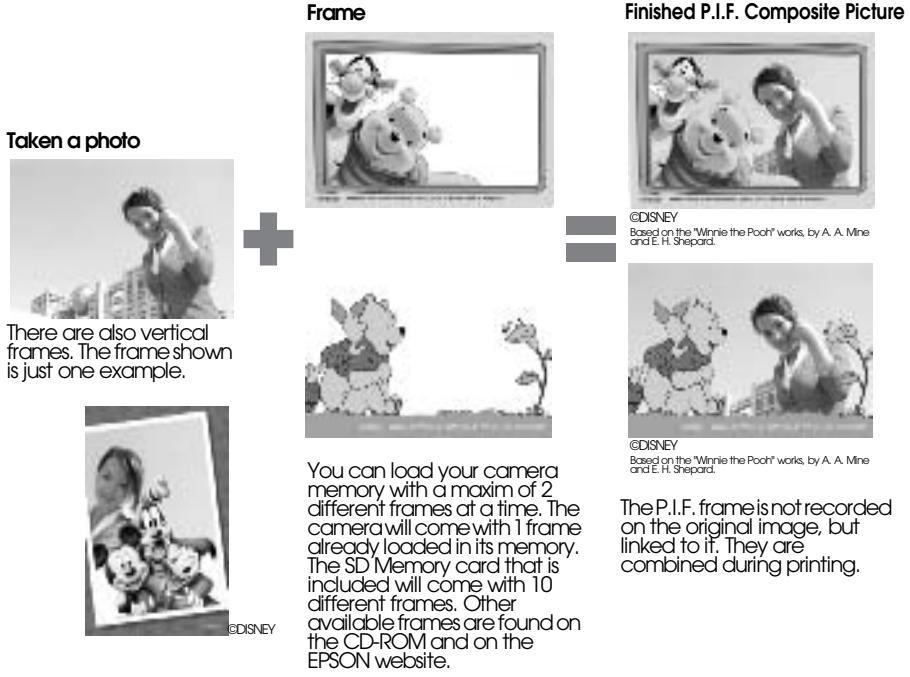
Use the ◄► buttons to move across the menu.

Menu List

Print Image Framer (P.I.F.) FUNCTION

PRINT Image Framer (P.I.F.) will link a frame to your picture as it is recorded. You can then use the DIRECT PRINTING process to print the composite frame.

PRINT Image Framer ILLUSTRATION



There are also vertical frames. The frame shown is just one example.

You can load your camera memory with a maxim of 2 different frames at a time. The camera will come with 1 frame already loaded in its memory. The SD Memory card that is included will come with 10 different frames. Other available frames are found on the CD-ROM and on the EPSON website.

The P.I.F. frame is not recorded on the original image, but linked to it. They are combined during printing.

HINT

When using the P.I.F. mode, a green line will appear on the LCD monitor. When taking the photo, make sure that the green line comes to the top of the frame.

Note:

P.I.F. Recording and Printing

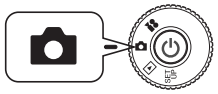
In P.I.F. mode, you will use P.I.F. frames that you have previously loaded into the camera. Select one and take a photo. The photo will be printed in this frame during DIRECT PRINTING. You can decide to change the frame before you print.

When you copy an image that has been taken in P.I.F. mode to a computer, the link connecting the image and the P.I.F. frame will be lost.

ALERT
Images taken in P.I.F. mode and set in DPOF format and saved on a memory card when printed with the Stylus Photo 935 will print with the first frame that is stored in the printer.

Print Image Framer (P.I.F.) SHOOTING

TAKING PHOTOS WITHIN THE FRAME

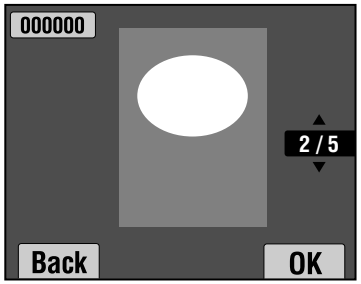


Turn the DIAL SWITCH to PHOTO MODE and then turn the POWER ON.

1. **Press the MENU button and then use the ◄► buttons to highlight P.I.F. Press the ϟ FLASH button to select this function.**

2. **Find the frame you want by pressing the ▲▼ buttons. Select it using the ϟ FLASH button.**

   To return to normal view press the MACRO button.

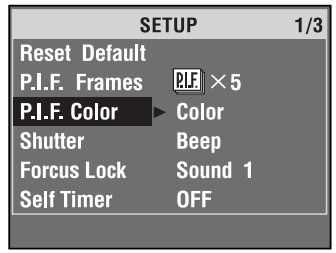


3. **The composite P.I.F. image is displayed on the monitor. You may now take the photograph.**

Note:
On the LCD monitor, the frame will show up as a color image.

To return to normal view press the MACRO button

Note:
Changing the frame color of PRINT Image Framer

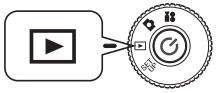


Switch the frame color of PRINT Image Frame between colors and black & white.
Turn the DIAL SWITCH to SET UP MODE and then turn the POWER ON. The SETUP menu will appear on the LCD monitor.
Use the ▲▼ buttons to choose "P.I.F. shooting color".
Use the ◄► buttons to change the setting.

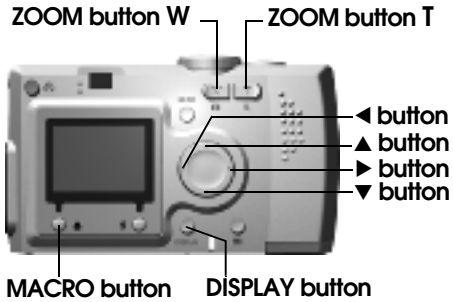
Note:
Once you press the MENU button again, the icons on the monitor will change. You can then select FLASH and MACRO settings as usual, even though the frame remains visible.

VIEWING A P.I.F. IMAGE

You can see what frame has been attached by using the REVIEW function.



Turn the DIAL SWITCH to PLAYBACK MODE and then turn the POWER ON.



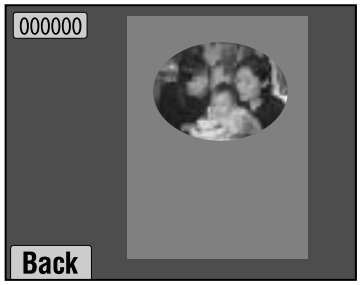
1. **Choose PREVIEW by using the ϟ FLASH button.**

   If there are no images with frames attached, the PREVIEW menu will not appear.
   Press **W** on the ZOOM button in order to view 6 images at a time.

2. **The image will appear with the frame attached.**

   Note:
   The frame cannot be changed at this time, but it can be changed or deleted before printing.(See page 42.)

   Press the MACRO button to return to PLAYBACK mode.



HINT

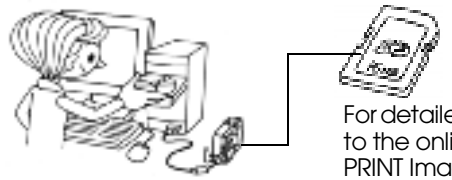
*Pressing the "**T**" zoom button will zoom in on the picture, while pressing the "**W**" will zoom out of the picture.*
You may shift the portion of the picture inside the frame using the ▲▼◀▶ buttons.

REPLACING FRAMES

In order to add or change the frames loaded in the camera's memory you must ready a memory card that already has replacement frames in memory. Frames can be found in the included CD-ROM or on the EPSON website.

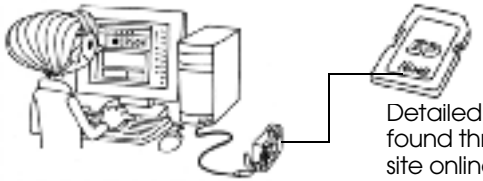
USING THE CD-ROM

ALERT
You will need a computer with a CD-ROM drive.
You will also need to have installed PRINT Image Framer Tool beforehand.



DOWNLOADING FROM THE WEB

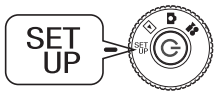
ALERT
You will need a computer that is connected to the Internet.
You will need to install PRINT Image Framer Tool.



ALERT
The following instructions assume that you have already loaded frames from a SD memory card into the camera's own memory.

DELETING FRAMES

How to delete frames that are stored in the camera's memory or the memory card. You must do this in order to add new frames when either memory is already full.



Turn the DIAL SWITCH to SET UP MODE and then turn the POWER ON.

1. **Using the ▲▼ buttons, select "P.I.F. Frames" then press either the ▶ button or the ϟ FLASH button.**
2. **To delete the frames stored in the camera's memory use the ▲▼ buttons to select the frames you don't want.**

   You can also press the ϟ FLASH button in order to access "In Memory Card".

Note:
To delete P.I.F. frames stored in the memory card use the ▶ button to select "In Memory Card". Use the ▲▼ buttons to select the frames you don't want.

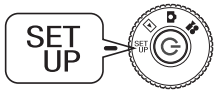
You can also press the ϟ FLASH button in order to access "In Camera".

3. **To delete the selected frame, press the MACRO button. A confirm message appears on the monitor. Press the ϟ FLASH button to confirm deletion.**

   Press the MACRO button to stop the deletion process.

INSTALLING FRAMES

How to install frames from the memory card to the camera's memory or vice versa. You can store up to 2 frames in the camera.



Turn the DIAL SWITCH to SET UP MODE and then turn the POWER ON.

1. **Using the ▲▼ buttons, select "P.I.F. Frames" then press either the ▶ button or the ϟ FLASH button.**
2. **When you want to install frames from the memory card to the camera use the ▶ button to choose "In Memory Card", then use the ▲▼ buttons to select the desired frame.**

   Pressing the MACRO button will delete the frame.

Note:
To transfer the frames stored in the camera use the ◀ button to select "In Camera". Use the ▲▼ buttons to select the frames you want. Pressing the MACRO button will delete the frame.

3. **Once you press the ϟ FLASH button, a confirmation message will appear on the monitor. Press the ϟ FLASH button again to install the frame.**

   Press the MACRO button to stop the process.

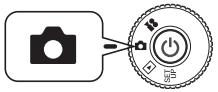
Note:
If there is not enough memory space available on either the camera or the memory card, the messages "Not enough free space on the memory card" or "Not enough space in the camera's memory" will appear on the monitor. In this case, you must delete any frames you don't need in order to make enough room for another frame.

MACRO MODE

The MACRO mode allows you to focus on subjects at distances between 11-50cm (4.3-19.6 inch) from the camera.

When shooting objects that are 50cm or more away from the camera, reset the camera to NORMAL mode. (See page 15.)

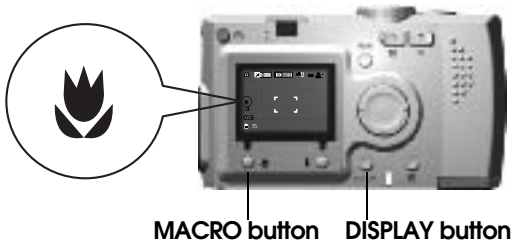
TAKING PHOTOS IN MACRO MODE



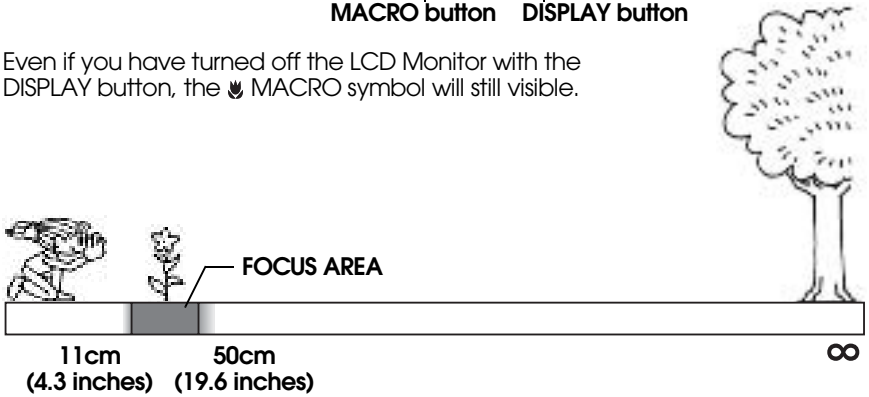
Turn the DIAL SWITCH to PHOTO MODE and then turn the POWER ON.

Press the MACRO button to switch to macro mode.

In MACRO mode, the zoom is automatically locked at **W**.
You will not be able to use the ZOOM buttons.



Even if you have turned off the LCD Monitor with the DISPLAY button, the ❀ MACRO symbol will still visible.



ALERT

Remember the parallax problem when you take photos in the MACRO mode using the VIEWFINDER with the LCD monitor turned off. (See page 16.)
If the flash is used during very close shoots, the picture may come out overexposed. See page 19 for more detailed information on flash range.

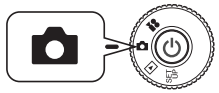
CONTINUOUS SHOOTING

You can record images continuously by holding down the SHUTTER button.

CONTINUOUS SHOOTING

ALERT

The flash will not work during continuous shooting.



Turn the DIAL SWITCH to PHOTO MODE and then turn the POWER ON.

1. **Press the MENU button and select ⧉ CONTINUOUS SHOOTING with the ◀▶ buttons.**
2. **Select ON with the ▲▼ buttons.**

3. **While the SHUTTER button remains fully pressed, images will be recorded continuously.**

   When the DISPLAY button is pressed the ⧉ CONTINUOUS symbol replaces the ϟ FLASH symbol.

CONTINUOUS IMAGE RECORDING TABLE

Quality		Approximate Number of Shots	
RESOLUTION	COMPRESSION	Normal	Fine
Standard	★	Approx. 30 Shots	Approx. 30 Shots
Fine	★★	Approx. 25 Shots	Approx. 12 Shots
Super Fine	★★★	Approx. 12 Shots	Approx. 6 Shots
Fine/Super Fine DIGITAL ZOOM(X 3)		Approx. 30 Shots	Approx. 30 Shots
Fine/Super Fine DIGITAL ZOOM(X 2)		Approx. 30 Shots	Approx. 20 Shots

ALERT

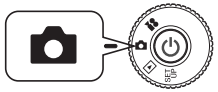
The total number of shots will vary according to quality, compression, the amount of memory left on the memory card and the shooting conditions.

SCENE MODES

When using a programmed SCENE mode, the camera is automatically configured to the best image capture settings for the situation.

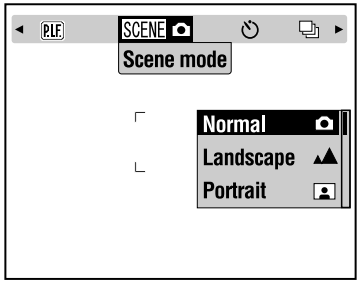
Selecting the right mode helps you take the best photos automatically. And when combined with P.I.M. printing (See page 39.), the result will be terrific.

SELECTING A SCENE MODE



Turn the DIAL SWITCH to PHOTO MODE and then turn the POWER ON.

1. **Press the MENU button and select SCENE Scene mode using the ◀▶ buttons.**
2. **Use the ▲▼ buttons to select the specific SCENE mode you desire.**



Note:

FLASH control in SCENE mode

Any flash settings (See page 19.) can be used in SCENE mode. Please note that using either the NO FLASH or FORCED FLASH settings in dark scenes will lengthen the time of exposure (shutter speed) up to 1/2 sec. which may lead to blurring. The use of a tripod is recommended to prevent blurring.

NORMAL MODE

This mode is best for most shooting. The FLASH works automatically based on the available light on the subject. The SHUTTER speed is also selected to minimize blurring.

LANDSCAPE MODE

This mode is best for broad landscapes. The FLASH is deactivated and the depth of field is increased. In low light the shutter speed is slower so you can take night scenes. Use a tripod to prevent blurring.

PORTRAIT MODE

This mode is designed for personal portraits. The depth of field is reduced (1-3m) and the FLASH is automatically set to reduce red eyes.

When using the FORCED FLASH in dark settings the SLOW SYNCRO SHUTTER feature is set (See page 19.) allowing you to take shots with a brighter background. The use of a tripod is recommended to prevent blurring.

ALERT

When any SCENE mode is set, selecting MACRO shifts the camera settings to NORMAL mode. If you cancel the MACRO, the camera settings remains in NORMAL mode.

Note:
When using SCENE mode
Using SCENE modes together with Exif 2.2 software and PRINT Image Matching II will provide the best possible printing results.

Note:
Other camera settings and functions in SCENE mode
The Self timer, Exposure Adjustment, Resolution, Continuous Shooting, Digital Zoom, Frames, etc. are not affected by the SCENE mode.

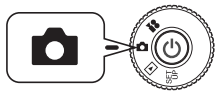
WHITE BALANCE

The white balance function adjusts the camera for different kinds of lighting. It makes white look the same color in any situation. The camera has two white balance modes; automatic and manual. In manual mode you can change the color settings according to your own needs.

FYI
White Balance and Color Temperatures.
Light comes in a range of colors from high-temperature sources like the sun which are bluer to low-temperature incandescent light bulbs which are redder. The human eye adapts to these differences automatically, so things usually look the same color to us under most lighting conditions. The camera's light sensors however, must sometimes be set to reproduce the truest colors under certain conditions.

AUTOMATIC WHITE BALANCE

In this mode the camera automatically senses the light source and corrects the colors so you get the same white in any lighting situation. We recommend that you regularly use the camera in this mode.

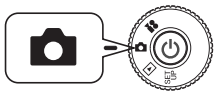


Turn the DIAL SWITCH to PHOTO MODE and then turn the POWER ON.

1. **Press the MENU button and use the ◄► buttons to select WB WHITE BALANCE.**
2. **Select AUTO by using the ▲▼ buttons.**

SELECTING WHITE BALANCE MANUALLY

You can select specialized white balance settings to achieve truer colors in certain conditions; DAYLIGHT, CLOUDY, INCANDESCENT, and FLUORESCENT.



Turn the DIAL SWITCH to PHOTO MODE and then turn the POWER ON.

1. **Press the MENU button and use the ◄► buttons to select WB WHITE BALANCE.**
2. **Using the ▲▼ buttons select the best choice among auto, daylight, cloudy, incandescent and fluorescent.**

HINT
Effective use of manual WHITE BALANCE.

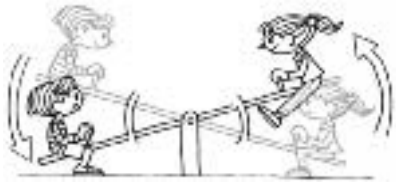
- ❏ *Pictures taken under fluorescent light tend to turn out greenish. Use the FLUORESCENT setting to correct for this.*
- ❏ *Incandescent light tends to make subjects appear reddish-yellow. Using the DAYLIGHT setting will allow reddish yellow colors of sunset to stay that way.*

LIGHT SENSITIVITY

A roll of film loaded in a camera has a fixed light sensitivity, but the digital camera is more flexible. You can change the light sensitivity for a specific purpose any time manually or let the camera select it automatically.

FYI
In general, setting higher (ISO) light sensitivity allows for easier focusing and less chance of blurring. However your photos will appear grainier and you will lose color richness. Think about the shooting conditions and the results you want before you set the ISO.

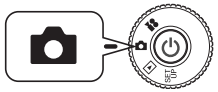
Image Quality
Fine grain
Beautiful Color



Recording Conditions
Super focus.
Less blurring.

CHANGING TO AUTOMATIC SENSITIVITY MODE

The camera is set in AUTO mode at the factory, so there is no need to change anything to use this mode when you first begin. This is the best setting for most picture taking. The status is confirmed on the LCD monitor display. You can set this function during shooting with the viewfinder.

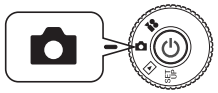


Turn the DIAL SWITCH to PHOTO MODE and then turn the POWER ON.

1. **Press the MENU button and use the ◄► buttons to select ISO Sensitivity.**
2. **Select AUTO by using the ▲▼ buttons.**

SETTING LIGHT SENSITIVITY MANUALLY

You can change the sensitivity to manual control. Use this mode when you expect blurring problems from camera motion, when you need to control depth of field and when you want to control FLASH range.



Turn the DIAL SWITCH to PHOTO MODE and then turn the POWER ON.

1. **Press the MENU button and use the ◄► buttons to select ISO Sensivity.**
2. **Using the ▲▼ buttons, you may select the desired sensitivity from [100] [200] or [400].**

HINT

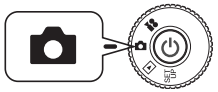
Situations for Manual Sensitivity Control

- ❏ *When the image is too dark, but you can't use the flash. Or when the image is blurry, but you can't use the flash.*
- ❏ *When you must be moving the camera in order to get a shot. OR when the object is blurry from moving at high speed.*
- ❏ *When you are anticipating problems in MACRO mode or any close-up situation. When you get blurry results in MACRO or any close-up situation.*
- ❏ *When you want to record a distant object with the FLASH. You can extend the range of the FLASH by increasing the sensitivity.*

MAKING EXPOSURE SETTINGS

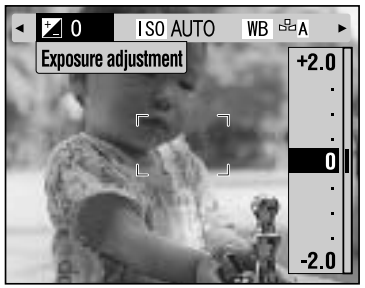
You adjust exposure to help control how much light falls on the CCD. It influences the brightness of the entire image. You usually don't need to make manual adjustments, but it is possible to increase + or decrease - the exposure to suit a particular purpose.
It is recommended that these adjustments be used when shooting against the sun or when you have any very bright background where the automatic sensors may not work well.

ADJUSTMENTS



Turn the DIAL SWITCH to PHOTO MODE and then turn the POWER ON.

1. **Press the MENU button and use the ◄► buttons to select EXPOSURE ADJUSTMENT.**
2. **Select the adjustment value using the ▲▼ buttons.**



Effects of Exposure Adjustment

- 2.0EV

± 0EV

+2.0EV

Note:

The exposure adjustment range is from -2.0 EV to +2.0 EV during programmed shooting. There are 9 steps of .05 EV each. You can confirm the setting on the Display Panel of the LCD monitor. (See pages 15, 26.) You can also set the number while shooting through the VIEWFINDER.

Before Adjustments

Shot against the sun or bright background: +1.5EV

Low key image : -1.0EV

High key image : +2.0EV

HINT

Effective Use of the Exposure Adjustment Controls

+ Adjustments

- ❏ *To make white objects whiter, especially images of white paper in the MACRO mode, eliminating gray tones.*
- ❏ *To brighten the image of subjects that have the sun in the background.*
- ❏ *To brighten the image of subjects in very bright reflected light such as at the beach, in the snow or against a white wall. (The background may white out, but the subjects will show up clearly.)*

- Adjustments

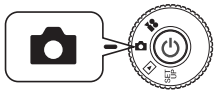
- ❏ *To make a black object blacker, eliminating gray tones.*
- ❏ *When the subject is lit up by a spotlight on stage.*
- ❏ *To balance brightness when photographing subjects against a background such as a black wall.*

MENU SHORTCUTS

How to customize assignation settings.

MENU SHORTCUTS

The Menu Shortcut allows you to assign different photo menu functions to each multi selector button. You can then change the photo settings on the camera faster. For example, if you have assigned "exposure adjustment" to a shortcut button, you would have no problem in quickly changing the brightness when there is suddenly a need for backlight shooting.

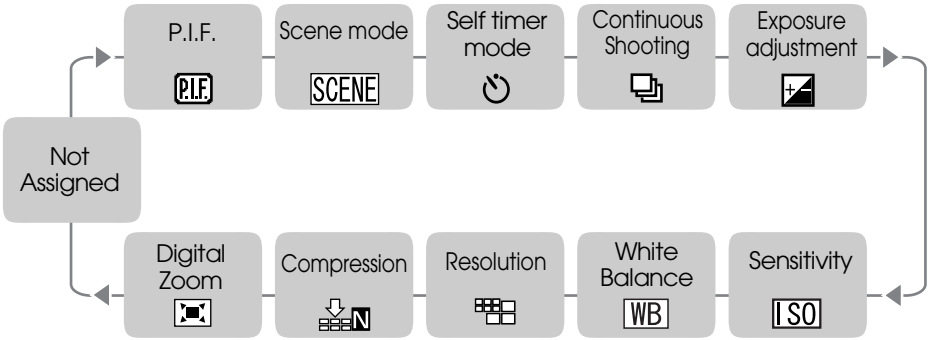


Turn the DIAL SWITCH to PHOTO MODE and then turn the POWER ON.

1. **Press the MENU button and select Menu Shortcuts with the ◄► buttons.**
2. **Press the ϟ FLASH button to show the setting screen.**
3. **Press ▲▼◄► buttons to select the function to assign.**

   After assigning function press the FLASH button to confirm. When the setting is confirmed, the screen will return to step **2**.

Every time you press the button, the function to be assigned changes in order as listed below.



4. **At the step 2 screen, use ▲▼ directional buttons to turn the MENU SHORTCUT feature OFF or ON.**

   In the ON position mode, the assigned functions are enabled. When it is OFF, even though functions may have been assigned to the ▲▼◀▶ buttons, they will not perform MENU SHORTCUTS.

HINT

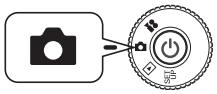
How to use Menu Shortcuts

- ❑ *P.I.F.* *See page 27-28*
- ❑ *Scene mode* *See page 32*
- ❑ *Self timer mode* *See page 20*
- ❑ *Continuous Shooting* *See page 31*
- ❑ *Exposure adjustment* *See page 34*
- ❑ *Sensitivity* *See page 33*
- ❑ *White Balance* *See page 33*
- ❑ *Resolution* *See page 18*
- ❑ *Compression* *See page 19*
- ❑ *Digital Zoom* *See page 18*

RESETTING TO DEFAULT MODE

How to return all settings to the Default mode.

RESETTING TO DEFAULT MODE



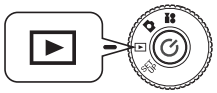
Turn the DIAL SWITCH to PHOTO MODE and then turn the POWER ON.

1. **Press the MENU button and select RESET DEFAULT using the ◀▶ buttons.**
   When the FLASH button is pressed a message will appear on the monitor.
2. **To reset to Default mode, press the MACRO button to OK the reset.**
   Press the FLASH button to cancel the reset.

VIEWING RECORDED IMAGE DATA

How to view technical data of recorded images.

DISPLAYING RECORDED IMAGE DATA



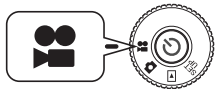
Turn the DIAL SWITCH to PLAYBACK MODE and then turn the POWER ON.

1. **Press the MENU button and select INFORMATION with the ◀▶ buttons.**
   The image data will appear on the LCD monitor.
   Press the ◀ button to return to the MENU.
2. **Press the ▼ button to review the rest of the data for this image.**
   Press the ▲ button to view the previous data screen.

VIDEO CLIPS

How to record a VIDEO CLIP with sound, playback and delete video clips.

RECORDING A VIDEO CLIP



Turn the DIAL SWITCH to VIDEO CLIP MODE and then turn the POWER ON.

1. **The VIDEO CLIP screen will appear on the LCD monitor.**

ALERT

Sound will be recorded along with the VIDEO CLIP. Make sure that you are not covering the microphones when recording.

2. **Press the SHUTTER button to begin recording the VIDEO CLIP.**

   The upper left corner of the monitor will display the VIDEO CLIP icon the indicator light blinks in red and the upper right corner will display the seconds remaining until the camera's memory is full.

3. **Press the SHUTTER button again to stop recording.**

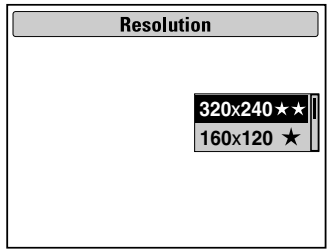
   After you have finished recording, the sequence will be exported to the memory card. After the export is completed you may continue recording.

ALERT

When recording a VIDEO CLIP, you must set the focus in the usual manner before recording. Once you begin recording, the focus cannot be changed, and the zoom buttons will not work.

Note:

Selecting VIDEO CLIP Resolution
When you press the MENU button in VIDEO CLIP mode, the Resolution screen will appear on the monitor.
Using the ▲▼ buttons, choose between 320 X 240 or 160 X 120 pixels. The Resolution screen will disappear when you press the MENU button again.



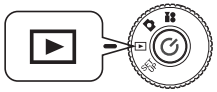
Note:

VIDEO CLIP files are very large. Be sure you have enough memory space before you begin.

Image size	Continuous Recording Time
320 × 240 ★★	Approx. 120 seconds
160 × 120 ★	Approx. 300 seconds

PLAYING BACK A CLIP

You can watch a Video Clip using the LCD monitor.



Turn the DIAL SWITCH to PLAYBACK MODE and then turn the POWER ON.

1. **Select a sequence using the ◄► buttons.**

   Information for the VIDEO CLIP will appear on the LCD monitor.

Note:

*Press the **W** ZOOM button if you want to see multiple images at the same time. The icon will appear for VIDEO CLIPS.*

2. Press the ϟ FLASH button to playback a VIDEO CLIP.

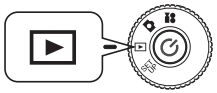
Press the MACRO button to pause the playback.
Press the MACRO button again to resume the playback.

Note:

Speaker Volume
You can adjust the speaker volume using the ▲▼ buttons.

DELETING VIDEO CLIPS

Deleting VIDEO CLIPS from the SD memory card. (See page 23.)



Turn the DIAL SWITCH to PLAYBACK MODE and then turn the POWER ON.

1. Find the VIDEO CLIP using the ◄► buttons, then use the MACRO button to select it.

The VIDEO CLIP information will be displayed on the LCD monitor.

Press **W** on the ZOOM button in order to view 6 images at a time. The icon will appear for VIDEO CLIPS. The icon will appear for VIDEO CLIPS.

2. Using the ▲▼ buttons choose between "Delete this file" or "Delete all files". Then press the ϟ button to confirm deletion.

If you do not wish to delete any files, press the MACRO button.
If the data is protected the screen "This file cannot be deleted because it is locked." or "Cannot be deleted." will come up. (See page 57.)

3. If there is still data left on the memory card, the monitor will return to the PLAYBACK mode screen. If there is no data "No images" will be displayed.

Chapter 4

DIRECT PRINTING

DIRECT PRINTING

Printing directly from the camera to the printer is known as the DIRECT PRINTING process. You can print directly from this camera to a printer without going through a computer. Different models support different capabilities and hardware, so please confirm the compatibility of your printer before using.

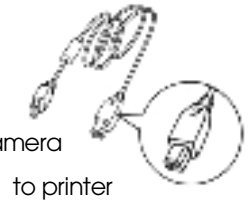
ALERT

The correct cable to be used can vary depending on the printer model. Please refer to the list below.

LIST OF COMPATIBLE PRINTERS

L400 Compatible Printers

Apr. 2003-present

MODEL	CABLE	MODEL	CABLE
Stylus Photo 810	**Printer Cable**  to camera to printer	Stylus Photo 935	**PC Cable** to camera to PC & printer
Stylus Photo 830			
Stylus Photo 830U			
Stylus Photo 900			
Stylus Photo 1290s			

Note:

The information and settings fixed with each image are recorded in Exif.2.2 format by this camera. The information includes the SCENE mode and Lowlight scenes. You can print with PRINT Image Matching on any printer supporting this system.

FYI

About Exif Print & PRINT Image Matching

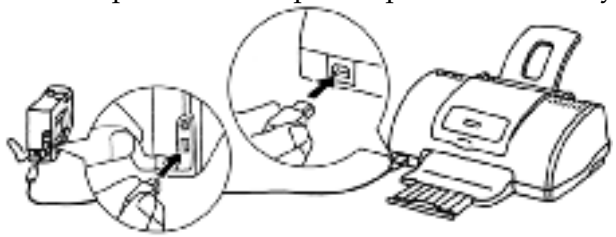
PRINT Image Matching is a program that will works with your digital camera and printer to create truly beautiful pictures. Pictures taken with this camera can be sent to the printer as is and it will print the image exactly the way the camera captured it.
For the most up-to-date information please go to the EPSON website.

ALERT

When you print with a printer that does not support PRINT Image Matching, or if you have made any changes using a photo software program, the PRINT Image Matching parameters will not be followed. The image will be treated (printed) as regular data, and will not show the changes made in the camera.

DIRECT PRINTING PROCESS

Please make sure to use the correct cable to connect the camera to the printer.
Turn the printer on and put the printer on standby. *Refer to the printer manual.*



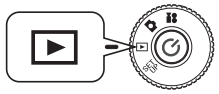
ALERT

The printing process quickly drains the battery. Using the AC adaptor is recommended when printing.

The illustration depicts the connections when using the Stylus Photo 830U. For other printers refer to the printer manuals.

PRINTING THE IMAGE SEEN ON THE LCD MONITOR

Only the images visible on the LCD monitor will be printed.



Turn the DIAL SWITCH to PLAYBACK MODE and then turn the POWER ON.

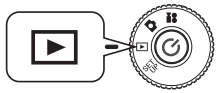
1. **Pressing the PRINT button changes the display to DIRECT PRINTING mode and highlights "Displayed image.".**
2. **Press the PRINT button again to confirm selection. Use the ▲▼ buttons to select the number of prints.**

   To change the print setting, press the FLASH button or the MENU button. (See pages 40, 42-45.)
   Press the MACRO button to return to step **1**.
3. **Press the PRINT button to begin printing.**

   Press the MACRO button to cancel printing.

PRINTING SELECTED IMAGES

How to select and print an image.



Turn the DIAL SWITCH to PLAYBACK MODE and then turn the POWER ON.

1. **Press the PRINT button to change the display to DIRECT PRINTING mode.**

   Press the MACRO button to return to PLAYBACK mode.
2. **Using the ▲▼ buttons select "Select Images.", then press the PRINT button.**
3. **Use the ◀▶ buttons to choose the images, then use the ▲▼ buttons to enter the number of copies desired.**

   Press the MACRO button to return to step **2**.

   Press the FLASH button to change the Select Frame. (See pages 40, 42-45.)

   To display only a single image, press the **T** ZOOM button.
4. **Press the PRINT button to display the "select images" screen. Press it again to start printing.**

   To change the print setting, press the FLASH button or the MENU button. (See pages 40, 42-45.)

   Press the MACRO button to cancel printing while "printing..." is being displayed.

ALERT

If any DPOF files (See page 46.) exist, a message will appear asking whether you would like the settings to be used. If you choose not to use the settings, all images will be set at "0".

PICK IMAGES

Select/cancel the selection of all the image data to print.

3. **Press the MENU button or the FLASH button to change the display to Print Settings.**
   Use the ◀▶ buttons to choose the Pick Images.

   Press the MACRO button to return to step **2**.
4. **Using the ▲▼ buttons, select "Set all image to one.", "Cancel all images." or "Designate printing extent.".**

   Press the FLASH button to select images. Press the MACRO button to return to step **2**.

   Set all image to one.

   Adjust the setting to print all the printable picture images recorded in memory.

   Cancel all images.

   Set the number of printable images to 0.

   Designate printing extent.

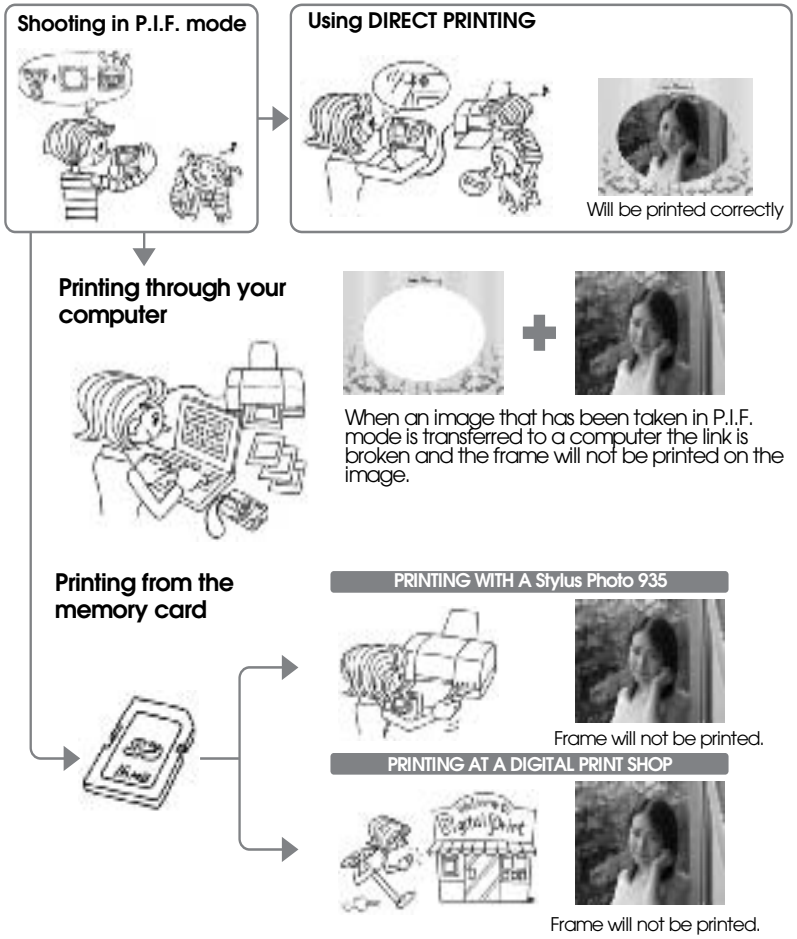
   Select the first picture image to print with ▲▼◀▶ buttons and press the FLASH button.
   Select the last picture image to print with the next ▲▼◀▶ buttons and press the FLASH button.

Note:

After "Pick Images", you can select each picture image and set the number to print for each of them.

PRINT Image Framer (P.I.F.) PRINTING

Images that have been taken in P.I.F. mode must be printed using DIRECT PRINTING in order for the frame to show up on the print. Any other printing method will break the link between the frame and the image and only the image will be printed with no frame.



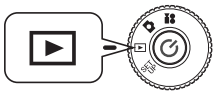
ALERT

When images are shot in P.I.F. mode and the data in the memory card is set in DPOF, if the images are printed with a Stylus Photo 935, the first frame in the list will be selected.

PRINTING PRINT Image Framer (P.I.F.) IMAGES

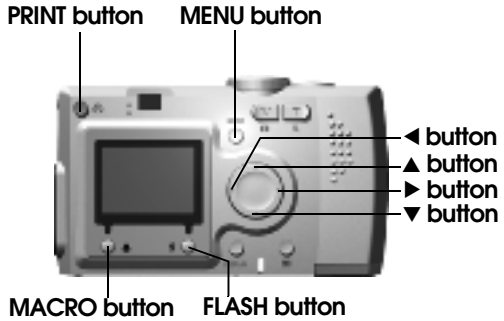
PRINTING THE P.I.F. IMAGE DISPLAYED ON THE LCD MONITOR

How to print images taken in P.I.F. by using the DIRECT PRINTING method.



Turn the DIAL SWITCH to PLAYBACK MODE and then turn the POWER ON.

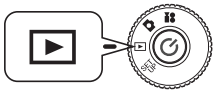
1. **Select an image taken in P.I.F. and display it on the monitor.**



2. **Press the PRINT button to display the DIRECT PRINTING screen.**
   Press the MACRO button to return to PLAYBACK mode.
3. **Press the PRINT button again to print the image.**
   Press the MENU button to change the print settings. (See page 40, 42-45.)
   Press the MACRO button to return to step **2**.

OTHER P.I.F. PRINTING OPTIONS

You can also print all or only a selected set of images taken in P.I.F. mode.



Turn the DIAL SWITCH to PLAYBACK MODE and then turn the POWER ON.

1. **Press the PRINT button. The LCD monitor will show the print screen.**
   Press the MACRO button to return to PLAYBACK mode.

2. **Use the ▲▼ buttons to select the print option, then press the PRINT button.**

   If you choose "Select Images" only those you mark will be printed, together with their frames. Images not taken in P.I.F. will be printed normally. You can also print multiple copies of each. (See page 40.)

3. **Press the PRINT button to begin the printing process.**

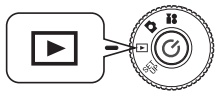
   Press the MENU button or the FLASH button to change the print settings. (See pages 42-45.)
   Press the MACRO button to return to step **2**.

ALERT

If any DPOF files (See page 46.) exist, a message will appear asking whether you would like the settings to be used. If you choose not to use the settings, all images will be set at "0".

CHANGING THE FRAMES

Frames may be changed when printing directly from the camera.



Turn the DIAL SWITCH to PLAYBACK MODE and then turn the POWER ON.

1. **When viewing 1 image, use the ◄► buttons, when viewing 6 use the ▲▼◄► buttons to choose the images you wish to print.**

   For PRINTING mode see page 42.

2. **Press the PRINT button to go to the printing screen. Use the ▲▼ buttons to select the desired option, then press the PRINT button.**

3. **If you choose "Select Images", press the FLASH button to display frame choices on the monitor.**

   Press the MACRO button to return to step **2**.

   You can preview a P.I.F. picture with its frame by selecting "P.I.F. Preview". (See page 28.)

Note:

An alternate way to change frames is to press the MENU or the FLUSH button to display "Print Settings". You can then choose "Select P.I.F." on "P.I.F. Preview" with the ▲▼ button.

4. **Use the ▲▼ buttons and display the frame that you would like to use.To remove a frame select the "---".**

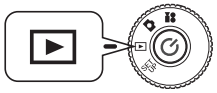
   Press the MACRO button to return to step **2**.

5. **Press the FLASH button to link the displayed frame to your picture.**

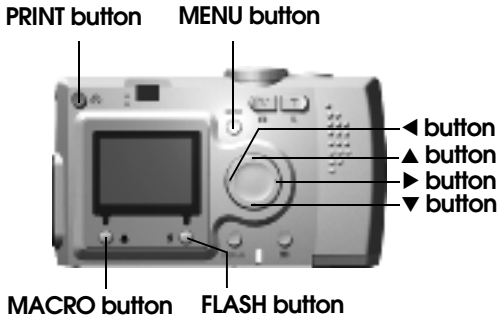
PRINT SETTINGS

How to select different print settings for better images.

HOW TO CHANGE PRINT SETTINGS



Turn the DIAL SWITCH to PLAYBACK MODE and then turn the POWER ON.



1. **Press the PRINT button to change the display to DIRECT PRINTING mode.**

   Press the MACRO button to return to PLAYBACK mode.

2. **Use the ▲▼ buttons to select the print option, then press the PRINT button.**

3. **Press the MENU button or the FLASH button to go to PRINT SETUP.**

   Press the MENU button or the MACRO button to return to step **2**.

   Press the ◄► buttons to go to the "Select Images", "P.I.F." or "Utility" screen.

The next steps are all continued from step 4.

SETTING PAPER SIZE

How to specify the size of the paper for your photo.

4. **Use the ▲▼ buttons and select "Paper Size".**

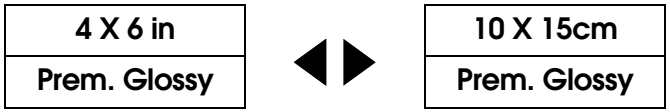
   Press the MENU button or the MACRO button to return to step **2**.

5. **Use the ◀▶ buttons to change the settings.**

   Press the MENU button or the MACRO button to return to step **2**.

Note:

You can choose to print on any of two sizes of Premium Glossy paper: "4 X 6 in/Prem. Glossy", "10 X 15cm/Prem. Glossy"



SELECTING PRINT BORDERS

You can print pictures with or without borders.
Not to be confused with frames, borders refer to white spaces between the edges of the photo and the edges of the paper.

4. **Use the ▲▼ buttons and select "Border".**

   Press the MENU button or the MACRO button to return to step **2**.

5. **Use the ◀▶ buttons to change the setting.**

   Press the MENU button or the MACRO button to return to step **2**.

PRINTING THE DATE

All pictures taken have a record of the date (Y.M.D. or D.H.M.).
You can choose to print the date record on your pictures.

4. **Use the ▲▼ buttons and select "Date".**

   Press the MENU button or the MACRO button to return to step **2**.

5. **Use the ◀▶ buttons to change the settings.**

   Press the MENU button or the MACRO button to return to step **2**.

ALERT

This camera can combine a photo and a frame so the user can print it with DIRECT PRINTING mode. If the user tries to choose Date to Print with the frame, the date is not printed because the frame composition takes precedence.

HIGH SPEED PRINTING

You may print your pictures faster, but the quality will be affected. HIGH SPEED OFF produces higher quality prints.

4. **Use the ▲▼ buttons and select "Mode".**

   Press the MENU button or the MACRO button to return to step **2**.

5. **Use the ◀▶ buttons to change the settings.**

   Press the MENU button or the MACRO button to return to step **2**.

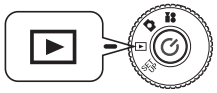
ALERT

- ❏ *The finished product may vary slightly depending on the size of paper or the type of printer you use.*
- ❏ *The P.I.F. (image) you see in the LCD monitor may vary from the printed outcome.*
- ❏ *If the user selects High Speed mode on the camera, StylusPhoto935 prints the image in "high" quality mode. If selects Normal Speed mode on the camera, StylusPhoto935 prints in "super high" quality mode.*

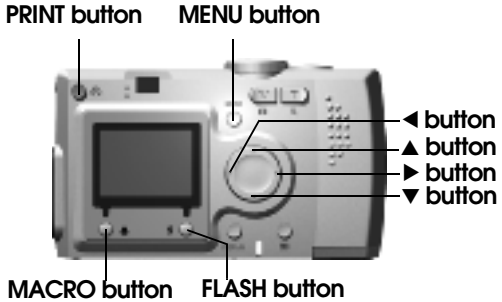
PRINTER UTILITIES

You may use a range of supported printer utilities.

PRINTER UTILITIES



Turn the DIAL SWITCH to PLAYBACK MODE and then turn the POWER ON.



1. **Press the PRINT button to change the display to DIRECT PRINTING mode.**

   Press the MACRO button to return to PLAYBACK mode.

2. **Use the ▲▼ buttons to select the print option, then press the PRINT button.**

3. **Press the MENU button or the FLASH button to go to PRINT SETUP.**

   Press the MENU button or the MACRO button to return to step **2**.

4. **Press the ▶ button to go to the "Utility" screen.**

   Press the ◀ button to go to the 'Print Setup' screen.

The next steps are all continued from step 5.

TEST PRINTING FOR NOZZLE CHECK

You can use the "Nozzle Check" to test the printer when there is a problem with the printed image.

5. **Use the ▲▼ buttons and select "Nozzle Check".**

   Press the MENU button or the MACRO button to return to step **2**.

6. **Press the FLASH button.**

   The message "Print a Nozzle Check pattern? Load A4 or Letter size paper." will appear on the monitor. Place the paper in the printer and then press the FLASH button to print the Nozzle Check pattern.

   To check the printed Nozzle Check pattern, or to fix any gaps, refer to the instructions provided with your printer.

ALERT

If the printer you are using does not support the Nozzle Check feature, the message "This function cannot be performed from the camera with the printer you are using." will appear on the monitor. In this case refer to the printer manual.

HEAD CLEANING

If the printed images appear smudged or the printing is patchy, use this utility to clean the printer head.

5. **Use the ▲▼ buttons and select "Head Cleaning".**

   Press the MENU button or the MACRO button to return to step **2**.

6. **Press the FLASH button.**

   At this time the message "Clean the print head?" will appear on the monitor.

   Press the FLASH button to begin the head cleaning process.

ALERT

If the printer you are using does not support the Head Cleaning feature, the message "This function cannot be performed from the camera with the printer you are using." will appear on the monitor. In this case refer to the printer manual.

PRINT HEAD ALIGNMENT

You can adjust the displacement of the printer head. If the printed picture image has problems, try "Print Head Alignment".

5. **Use the ▲▼ buttons and select "Print Head Alignment".**

   Press the MENU button or the MACRO button to return to step **2**.

6. **Press the FLASH button.**

   The message "An alignment sheet will be printed. Make sure that A4 or Letter size plain paper is loaded in the sheet feeder." will appear on the monitor. Place the paper in the printer and then press the FLASH button to print the Print Head Alignment Check pattern.

   To check the printed Print Head Alignment Check pattern, or to fix any gaps, refer to the instructions provided with your printer.

7. **After printing, the Print Head Alignment screen is displayed. Use the ▲▼ buttons and select the number lined up closest with the printed pattern. Press the ▶ button to return to step 6.**

   Press the FLASH button to return to step **2** to confirm the new result of Print Head Alignment.

   Also, press the MACRO button to return to step **2** without changing to a new Print Head Alignment.

ALERT

If the printer you are using does not support the Gap adjustment feature, the message "This function cannot be performed from the camera with the printer you are using." will appear on the monitor.
Print Head Alignment is only available on the stylus photo 830.

INK LEVEL CHECK

you can check the remaining amount of ink.

5. **Use the ▲▼ buttons and select "Ink Level Check".**

   Press the MACRO button to return to step **2**.

6. **Press the FLASH button.**

   The remaining amount of ink will appear on the LCD monitor.

Note:

The following icons may appear on the LCD monitor.

: Ink level is low.

0% *: Printer is out of ink.*

ERROR *: ERROR*

7. **Press the MACRO button to return to step 5.**

ADDITIONAL SETTINGS

DIGITAL PRINT ORDER FORMAT (DPOF)

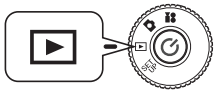
DPOF is the abbreviation for Digital Print Order Format. This format allows you to record information on the SD memory card including which images and how many copies you want to have printed out.

From this camera, you may use the PRINT button to select certain pictures and set them as DPOF formatted picture files. By saving this information onto a memory card, you can print these pictures easily with printers that can read and understand DPOF files. No computer is required. Simply use the controls on LCD monitor to format the files.

ALERT

Frame information cannot be read by the DPOF format. P.I.F. linked images will not print correctly on DPOF printers.

SAVING PHOTOS IN DPOF



Turn the DIAL SWITCH to PLAYBACK MODE and then turn the POWER ON.

1. **Press the PRINT button to change the display to DIRECT PRINTING mode.**

   Press the MACRO button to return to PLAYBACK mode.

2. **Using the ▲▼ buttons to select "Make print order." and press the PRINT button.**

   Press the MACRO button to return to step **1**.

Note:

Message Icon

Viewable on the LCD monitor but not printable.

3. **Highlight an image you want to print as DPOF with the ◄► buttons. Use the ▲▼ buttons to enter the number of copies. Then press the FLASH button to save the data to the memory card.**

   When making a print order with DPOF, you may print 99 copies of one image. You may copy up to 999 different images, but you may only print up to 9999 copies in DPOF.
   Press the MACRO button to cancel.

FYI

DPOF Printing Options

- ❏ *You can print the selected images with the [EPSON PhotoQuicker] when you connect the camera to the computer and run EPSON Camera Starter.*
- ❏ *You can print the selected images by removing the memory card from the camera and inserting it into a printer that is made to read DPOF files.*
- ❏ *You can remove the memory card from the camera and bring it to a local digital print service photo shop which will print the selected files.*

ALERT

Frame data cannot be read by DPOF printers. Framed images may be printed only by DIRECT PRINTING methods. (See page 39.)

Note:

Select/cancel the selection of all the image data to print.

Press the MENU button to change the display to Print Settings. Use the ◄► buttons to choose the "Pick Images".

Press the MACRO button to return to DIRECT PRINTING mode.

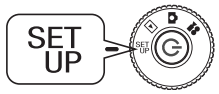
Using ▲▼ buttons select "Set all image to one.", "Cancel all images." or "Designate printing extent.". (See page 40.)

Press the FLASH button to change the select images.

*Press the MACRO button to return to step **1**.*

SOUND AND SHUTTER SETTINGS

You can choose one of the various Shutter Release sounds and/or choose to turn shutter and other camera operation sounds on or off.



Turn the DIAL SWITCH to SET UP MODE and then turn the POWER ON.

The SETUP menu will appear on the LCD monitor.

1. **Use the ▲▼ buttons to choose "Shutter", "Forcus Lock", "Self Timer" or "Sound". Use the ◄► buttons to change the settings.**

Sound Settings

SETTINGS	DEFAULT SETTINGS
Shutter Sound	Beep
Focus Lock Sound	Beep
Self Timer Sound	OFF
Sound Settings	ON

INSTALL / CHANGE SHUTTER SOUND

You can change the preinstalled shutter and set-up sounds as follows;

WEB

Copy sound data to a computer

Refer to the help menu on EPSON'S Internet website for instructions.

MEMORY CARD

Copy sound data to a memory card

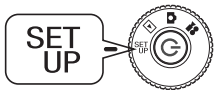
Refer to EPSON'S Internet Online Help Menu for details.

Register sound data in the camera body from the memory card.

Finally, transfer the alternate sounds data from the memory card to your camera. (Delete / Register Sound Data see page 48.)

REGISTER / DELETE SOUND DATA

You can take the same procedure to change both shutter sound and photo-preparation sound.



Turn the DIAL SWITCH to SET UP MODE and then turn the POWER ON.

The SETUP menu will appear on the LCD monitor.

1. **Use the ▲▼ buttons and select a Shutter Sound, Focus Lock Sound or Self Timer Sound.**
2. **Use the ◀▶ buttons and select the item to change.**

   You can select the item in the order as beep sound → sound1 → sound2. You can register sound1 and sound2.
3. **Press the ϟ FLASH button.**

   The sound data registered in the camera body is displayed.
4. **Use the ▶ button and display the sound data in the memory card.**

The next steps are all continued from step 5.

Note:

If the sound data had the same name as one in the camera body, a message on overwriting confirmation will be displayed. Press the ϟ FLASH button to confirm the new sound with replacing the old sound of the same number.

REGISTER SOUND DATA

5. **Use the ▲▼ buttons and select the sound data to register.**

   You can play the sound by pressing the ⊆ REVIEW button.
6. **Press the ϟ FLASH button.**

   A copy confirmation request message will appear.
   If the camera is low on memory space, the new sound cannot be copied. Delete the old sound first, then copy the new one.
7. **Press the MACRO button.**

   The new sound is copied to the camera. To cancel this operation, press the ϟ FLASH button.

DELETE SOUND DATA

If (in step 6 above) there was not enough memory space for new sounds, delete the old sounds as follows;

5. **Use the ▲▼ buttons and select the sound data to delete.**

   You can play the sound by pressing the ⊆ REVIEW button.
6. **Press the MACRO button.**

   A delete confirmation request appears.
7. **Press the ϟ FLASH button.**

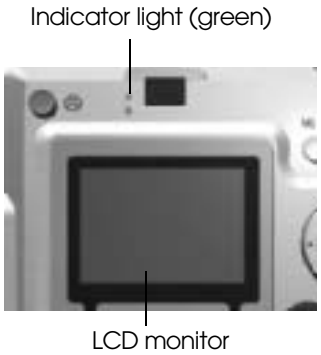
   The sound data is deleted.

AUTO POWER SAVE

When the camera is turned on but inactive for a period of time, the camera automatically shuts down to save battery power.

1. **When there is no activity for over 3 minutes, the camera will enter sleep mode.**

   While in Sleep mode, the green light will blink. The LCD monitor will turn off and the CPU will also be in sleep mode.



Note:

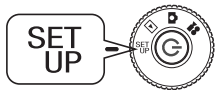
To cancel Sleep mode, press the SHUTTER button, or any other button on the back of the camera. You can also simply turn the DIAL SWITCH.

2. **When the camera is left in Sleep mode for over 10 minutes, it will shut down automatically.**

   The lens will retract and the lens cover will close.

RESETTING THE AUTO POWER SAVE

You can change the setting for Auto Power Save. The default is 3 minutes, but you can also choose 1, 5 or 20 minutes.



Turn the DIAL SWITCH to SET UP MODE and then turn the POWER ON.
The SETUP menu will appear on the LCD monitor.

1. **Use the ▲▼ buttons to choose "Power Save".**
   Use the ◄► buttons to change the setting.

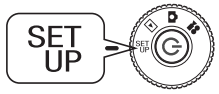
Note:

When using an AC adapter

When you are using an AC adapter, the camera will enter sleep mode after 20 minutes (no matter what the settings are). The camera will automatically turn off 5 minutes after it has entered sleep mode.

DATE & TIME AND DATE / TIME FORMATS

How to set the Date and Time.



Turn the DIAL SWITCH to SET UP MODE and then turn the POWER ON.
The SETUP menu will appear on the LCD monitor.

1. **Use the ▲▼ buttons to choose "Date Time".**
   Use the ◄► buttons to choose the year/month/date.

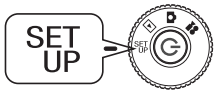
Note:

The limit on setting the DATE and TIME is 2033.12.31.

2. **Use the ▲▼ buttons to change the numbers then press the ϟ FLASH button to confirm the new value.**
   Press the MACRO button to deselect.
3. **Use the ▲▼ buttons to select "Date Format" then use the ◄► buttons to select "Y.M.D. 24hr".**
4. **Use the ▲▼ buttons to change to "M.D.Y.". Use the ◄► buttons to select the "hr" format. Then use the ▲▼ buttons again to change to "12 hr".**
5. **To confirm the new formats, press the ϟ FLASH button.**
   Press the MACRO button to deselect.

ADJUSTING LCD BRIGHTNESS

You may change the brightness of the LCD monitor.



Turn the DIAL SWITCH to SET UP MODE and then turn the POWER ON.
The SETUP menu will come up on the monitor.

Use the ▲▼ buttons to choose "LCD Brightness".
Use the ◄► buttons to change the settings.

Brighter LCD monitor

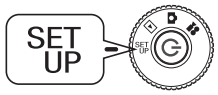
Darker LCD monitor

MEMORY CARD FORMATTING

You can reset the card to its default status.

ALERT

- ❑ *Everything on the card will be completely deleted!*
- ❑ *Please note that when a memory card is formatted, all the data that was included in the card at the factory like the PRINT Image Framer frames will also be deleted.*
- ❑ *Back up desired images by exporting them to a computer before you reformat.*
- ❑ *Never format a camera memory card using a computer. Use this camera only.*



Turn the DIAL SWITCH to SET UP MODE and then turn the POWER ON.
The SETUP menu will appear on the LCD monitor.

1. **Choose Format Card using the ▲▼ buttons, the press either the ► or ϟ FLASH button.**
2. **The message "All data on the memory card will be erased." will appear.**
   Press the MACRO button to go ahead with the formatting.
   If you wish to cancel the "Format" action, press the ϟ FLASH button.

Note:
SD MEMORY CARD LOCKING MECHANISM

How to protect your precious photos from accidental deletion. Slide the small switch on the side of the SD memory card in the direction of the arrow to the LOCK position. Images will not be able to be deleted or overwritten. If you try to take a photo when the card is locked the message "This memory card is write-protected." appears on the monitor.

RULES FOR NAMING FILES (Cumulative function)

Explanation of the rules for naming files

The format for an image file name must always be EPSNXXXXXX.xxx

Pictures (image files) and linked files are automatically numbered by the camera. When the setting for "File Number Reset" is ON, the numbers are counted from EPSN0001.xxx in each new folder.

When "File Number Reset" is OFF, the numbering is cumulative. For example, if the last picture on one memory card is ESPN0500.jpg, the picture on a new card will be numbered ESPN0501.jpg.

ALERT

Memory cards and file names.

- ❏ *If you change the name of a file on the memory card, the camera may have trouble retrieving that file.*
- ❏ *When folder numbers reach 999, or file numbers reach 9999, you will not be able to add any more photos to that memory card. Replace it with a new one.*
- ❏ *When you copy any data to a computer, be sure that the same file name (number) doesn't already exist in your picture directory. The newly copied file could overwrite the existing one and you would lose it.*

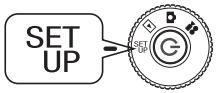
RESETTING FILE NUMBERS

It is possible to reset the sequence of image file numbers.

FYI

About file numbers

Picture files are automatically numbered so that no two files can have the same number. They are numbered in the order in which they are shot.



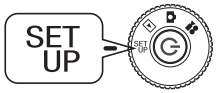
Turn the DIAL SWITCH to SET UP MODE and then turn the POWER ON.

The SETUP menu will appear on the LCD monitor.

Use the ▲▼ buttons to choose "File No. Reset" then use the ◀▶ buttons to choose either ON or OFF.

RESETTING VIDEO OUT

You may have to reset the "video out" to match the national video system of wherever you may be showing pictures.



Turn the DIAL SWITCH to SET UP MODE and then turn the POWER ON.

The SETUP menu will appear on the LCD monitor.

Use the ▲▼ buttons to choose "Video out".
Use the ◀▶ buttons to change the setting.

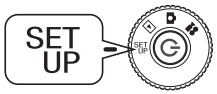
Note:

About Video Signals

There are two available settings, NTSC and PAL, each used in different countries.

SETTING THE MENU LANGUAGE

You can change the language displayed on the LCD monitor.



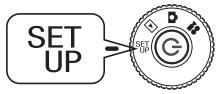
Turn the DIAL SWITCH to SET UP MODE and then turn the POWER ON.

The SETUP menu will appear on the LCD monitor.

1. **Use the ▲▼ buttons to choose "Language".**
   Use the ▶ button to select the language list.
2. **Use the ▲▼◀▶ buttons to highlight the language you want to use for the LCD monitor. Press the ϟ FLASH button to confirm the selection.**

RESETTING CAMERA DEFAULTS

How to reset the camera to the original factory default settings.



Turn the DIAL SWITCH to SET UP MODE and then turn the POWER ON.

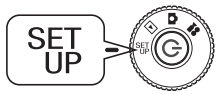
The SETUP menu will appear on the LCD monitor.

1. **Use the ▲▼ buttons to choose RESET DEFAULT. Press the ϟ FLASH button.**
2. **To reset the camera to its original default settings, press the MACRO button.**

   To cancel the default resetting, press the ϟ FLUSH button.

VERSION CONFIRMATION

How to confirm firmware version of this camera and display compatible printers.



Turn the DIAL SWITCH to SET UP MODE and then turn the POWER ON.

The SETUP menu will appear on the LCD monitor.

1. **Use the ▲▼ buttons to choose "VERSION". Press the ϟ FLASH button.**

   The firmware version number and compatible printers will appear on the LCD monitor. To find a suitable printer, confirm the types displayed on the EPSON Internet Home page.
2. **Press the MACRO button to return to step 1.**

ADDITIONAL INFORMATION

CLEANING THE CAMERA

It is important to keep the camera clean so it will function well anytime you need it.

CAUTION
When performing any camera maintenance, be sure to disconnect the AC adaptor. Otherwise, you could receive a shock.

WHEN THE CAMERA NEEDS CLEANING

CLEANING THE CAMERA EXTERIOR

Wipe the outside of the camera with a soft dry cloth. If there is heavy soil use a cloth dampened with a natural detergent. Wipe again with soft dry cloth.
To clean the lens make sure the camera is turned off, then blow off any loose dust or dirt or use a lens and camera cleaning brush. Next, blow on the lens and wipe off all moisture with a soft dry cloth.
Clean the LCD monitor also with a soft dry cloth.

CLEANING BATTERY TERMINALS

When the battery terminals or contacts on the battery cover and compartment become dark (oxidized) you should wipe them with a clean dry cloth.
If the battery terminal is dirty, it may shorten the life of the battery.

CAUTION
NEVER use volatile chemicals such as alcohol, paint thinner or benzine. They will damage the camera exterior. The same is true for the battery compartment.

STORING THE CAMERA

CAUTION
The camera is made of precision electronic components sensitive to strong magnetic fields.
Be careful where you store it. Please refer to the SAFETY INSTRUCTIONS listed at the beginning of this User's Guide. For more information, see page 60 for the CUSTOMER SERVICE SUPPORT section.

Store the camera in a cool and dry location and remove the batteries to prevent corrosion or leaks if you will not be using the camera for a long period of time.

SPECIFICATIONS L-400

General

Dimension	105mm (Width) × 60mm (height) × 31.5mm (Depth) *except parts that stick out*
Weight	185g *without batteries, memory card and strap*
Power supply	AA-size alkaline batteries × 4 AA-size Ni-MH batteries × 4 AA-size nickel-manganese batteries × 4 *can not use AA-size manganese battery and lithium batteries*
External power supply	Dedicated AC Adapter Model: A211H Input: AC 100V-240V, 50-60Hz Output: DC 6.0V 2.0A Power consumption: 0.3A, 16W Temperature: 5 to 35°C Dimensions: 43 × 104 × 31mm
Recording media	SD Memory Card max 512MB MultiMedia Card(MMC) max 512MB *Hitachi or SanDisk MMC cards v2.1 or later.*
Image recording capacity	<when using 16MB SD Memory Card> Standard 640 × 480 pixels: 127 images Fine 1600 × 1200 pixels: 35 images Super fine 2304 × 1728 pixels: 17 images *New or formatted memory cards without any P.I.F. data and images taken at normal compression.*

Optical

CCD	1/2.5 inch color area CCD Primary color filter		
Effective pixels	4.07 megapixels		
Lens	f=5.6 to 16.8mm *equivalent to a 34 to 102mm lens on a 35mm camera.* F2.8 (WIDE) to 4.9 (TELE) 7 elements in 6 groups (including 2 spherical lenses.)		
Aperture	Wide angle; F2.8/F4.8, Telephoto; F4.9/F8.4		
Viewfinder	Real-image optical view range approx. 77%		
Focus	Auto focus		
Focal length	0.5m to infinity 0.11 to 0.5m (macro mode, wide)		
Shutter	Mechanical shutter with electric iris		
Shutter speed	Still picture;	Normal mode	1/2 - 1/2000 seconds
		Landscape mode	1/2 - 1/2000 seconds
		Portrait mode	1/2 - 1/2000 seconds
	Movie; 1/32 - 1/6200 sec		

Standards and Approvals

EMC	Directive 89/336/EEC EN 55022 Class B, EN 55024, EN 61000-3-2, EN 61000-3-3

TROUBLESHOOTING

TROUBLESHOOTING

This manual has a list of common operating problems and simple solutions. Look up the problem and see the appropriate manual page when necessary.

IF YOU RUN INTO TROUBLE

- ❏ The list of common camera problems and solutions begins on page 57.
- ❏ For an explanation of error messages displayed on the LCD monitor see page 57.

CAUTION

If any of the following occurs to the camera, immediately take out the batteries, disconnect AC adapter or recharger plug and take the camera to the store where you bought it or call the EPSON customer service center.

- ❏ *If the camera itself, recharger, or AC adapter begins to heat up to excessively high temperatures, or if the case changes shape.*
- ❏ *If it starts to smell funny, gives off a strange sound or begins to smoke. Internal electricity is high voltage so do not take it apart to avoid the possibility of electrocution.*

BEFORE YOU CALL CUSTOMER SUPPORT

Before calling the customer support with questions or for repair, refer to the "List of Error Messages". If you cannot find the answer even after checking through this list, contact the appropriate place for answers.

If your camera breaks down

You cannot personally fix or replace parts within the camera itself. If your camera breaks down or needs to be looked at, take it to the store where you bought it or contact the EPSON customer service center.

For the number of EPSON customer support see page 60.

CAMERA BODY PROBLEMS

CAMERA POWER WON'T TURN ON.

check

Did you insert the batteries correctly?
Check the (+-) direction of the battery poles to be sure they are inserted correctly. (See page 11.)

check

Do you have enough battery life?
The low battery icon on the display panel indicates when the battery power is too low. Replace them when the begins to flash. (See page 12.)

check

Did your turn the DIAL SWITCH fully?
Turn the DIAL SWITCH fully to the mode you want and press the POWER button fully. (See page 12.)

YOU CAN'T TAKE A PHOTO.

check

Is the power switched on?
See (Camera won't turn on) above and check the camera.

check

Did you insert a memory card?
You can't take photos without a memory card. (See page 11.)

check

Do you have enough space left on the memory card?
You can't take photos when the memory card is full. (See page 11.)

check

Did you press the SHUTTER button fully and straight down?
The button must be pressed fully and straight down to take a photo.

check

Is the photo image number on the LCD display 0?
This means the memory card is full. Transfer the contents of the full card to a PC then delete them from the card to free up space. (See page 19.)

check

Is the red indicator light on?
Turn off the power. Turn the DIAL SWITCH to PHOTO mode and turn on the power again. If the power won't turn off, remove the batteries or disconnect the AC power, replace them or reconnect and turn the power on. If the red light is still on, bring the camera to the shop where you bought it or the EPSON service center.

THE POWER SWITCHES OFF AUTOMATICALLY.

check

Is Power Saving turned on?
Turn off the Power Save function. (See page 49.)

IT TAKES A LONG TIME TO TAKE A PHOTO.

check

Did you press the SHUTTER button completely?
Usually you should press the SHUTTER button halfway and hold it to set the focus, then press the rest of the way to take a photo. (See page 14.)
When you press the SHUTTER button fully all at once, it takes time to focus and set the exposure before the shutter releases. It may seem to take longer than when you do it in two steps.

NO FLASH.

check

The flash doesn't work.
Is the FLASH setting correct? "No Flash" If the flash is set for external lights, the camera's own flash will not go off. (See page 19.)

THERE IS NO PLAYBACK IMAGE ON THE LCD MONITOR.

check

Did you turn the DIAL SWITCH completely?
Turn the DIAL SWITCH carefully to PLAYBACK. Be sure to press the POWER button fully (See page 21.)

check

Is Power Saving turned on?
Turn off the Power Save function. (See page 49.)

check

Is the camera connected to a TV?
When the camera is operating on batteries only while connected to TV, the LCD monitor is disabled.

check

Is the camera connected to a computer?
When the camera is connected to a computer, the LCD monitor is disabled.

AFTER TAKING A PHOTO THROUGH THE LCD MONITOR THE DISPLAY PANEL DISAPPEARS.

check

Is Power Saving turned on?
If the power saving interval is set at 1 minute, it may simply be that the power saving is working properly. You can extend the time it takes before going into sleep status.
You can also turn it off. (See page 49.)

check

Are your batteries strong enough?
When the batteries are low, the LCD monitor will turn off briefly while the camera recycles for the next shot.

THE LCD MONITOR IS HARD TO SEE.

check

Have you tried adjusting the LCD monitor brightness level?
Adjust the "LCD Brightness" control. (See page 49.)

THE LCD MONITOR DISPLAYS VERTICAL LINES.

check

Did you point the camera toward very bright light?
When you use the LCD monitor to take photos, any very bright light may affect the CCD and cause the lines to appear on your screen. They will NOT appear in the recorded image itself.

NO IMAGE APPEARS ON THE TV SCREEN WHEN THE CAMERA IS CONNECTED.

check

Is the power switched on?
See (Camera power won't turn on) on page 54 and check the camera.

check

Is the camera connected correctly to the TV?
Check that the camera-AV cable is connected properly at both ends. (See page 24.)

check

Is the TV set up to recognize the camera as a picture source?
Check that the TV/video selector on your TV is on (video). See your TV instruction booklet for details.

check

Is the (video out) correctly selected on the camera?
Check to see that the (video out) control (NTSC/PAL) is correctly set for the TV system of the country where you are showing your pictures. (See page 50.)

IMAGE PROBLEMS

IMAGES ARE OUT OF FOCUS

check
Did you operate the auto-focus correctly?
To use auto-focus, place the subject in the center of the viewfinder and press the SHUTTER button halfway. (See page 14.)

check
Is the camera in the right distance mode setting?
Be sure to take photos no closer than 50 cm from the camera in NORMAL mode. For distances from 11-50 cm, use the MACRO mode. (See page 30.)

check
Is the lens dirty?
Use a lens cleaning brush or gently blow on the lens to free it of dirt. Then blow on it and wipe it with a soft dry cloth. (See page 52.)

check
Is the captured image blurred?
Hold the camera in the proper position when shooting, with your lower, support arm close to your body. (See page 14.) Use a tripod for night views and other low light situations.

check
Did you touch the lens during shooting?
If you touch the lens during shooting, the lens may become dirty and the picture may come out blurred. Holding the camera in the proper position will help you in not touching the lens. (See page 14.) If the lens becomes dirty in any way, use a soft dry cloth to wipe it. (See page 52.)

THE IMAGE IS TOO DARK.

check
Use the flash.
See page 19 to learn about the range of the flash. If you use external flash sources, refer to the device's instruction booklet.

check
Adjust the exposure control in the + direction.
You can brighten shots by adjusting the Ev control. (See page 34.)

check
Select a higher light sensitivity setting.
This is especially useful when it's impossible to use a flash. (See page 33.)

THE IMAGE IS TOO BRIGHT.

check
Did you have to point the camera toward a strong bright light?
Move your subject so the light is behind the camera.

check
Avoid using the flash for close-ups.
Set the control for NO FLASH. (See page 19.) If the image is too dark, increase the light sensitivity setting. (See page 33.)

check
Adjust the exposure control in the - direction.
You can increase brightness by adjusting the Ev control. (See page 34.)

PART OF THE IMAGE IS MISSING.

check
Was your finger covering the lens?
When you take photos using the viewfinder, it is possible that fingers, straps or pieces of clothing may be partially covering the lens.

check
Are you looking straight through the viewfinder?
You can misjudge the composition of the picture if you are looking through the viewfinder at an angle or holding the camera away from your face.

check
Is the subject of the picture very close to the camera?
When the object is less than 1 meter from the lens, you may be experiencing parallax problems. (See page 17.) You may want to compose the shot using the LCD monitor. (See page 15.)

THE IMAGE COLOR IS WRONG.

check
Is the white balance set correctly?
• If you use the AUTO setting under fluorescent lighting conditions, the image is balanced only for green light. Instead, use the FLUORESCENT setting and the camera will adjust to the specific florescent source in your scene.
• Use the INCANDESCENT, when you want to keep the reddish orange hues that come from shooting at sunset.

PRINTING PROBLEMS

See page 44 or your printer instruction booklet for details.

LIST OF ERROR MESSAGES

Follow the appropriate instructions below when the error message appears.

PHOTO MODE MESSAGES

MESSAGE	PROBLEM & SOLUTION	
This memory card is write-protected.	Problem:	Memory card is locked.
	Solution:	Unlock the memory card by hand. (See page 50.)
Memory card error. Check the memory card.	Problem:	Unspecified memory card problem.
	Solution:	Remove the card and replace it. (See page 11.) Contact the card maker.
No memory card inserted.	Problem:	The camera has no memory card inserted.
	Solution:	Insert a memory card. (See page 11.)
The memory card is full.	Problem:	No more room for data on the memory card.
	Solution:	Make room by deleting data (See page 23.) or export the data to your computer and then reformat the card. (See page 49.)
No Frames.	Problem:	No frames stored in the camera.
	Solution:	Load up to 2 frames into the camera.(See page 30.)
This Frame file cannot be used with this camera.	Problem:	The camera doesn't support the PIF frame.
	Solution:	Reload with different frame that can be used with this camera. (See page 30.)

PLAYBACK MODE MESSAGES

MESSAGE	PROBLEM & SOLUTION	
No images.	Problem:	There are no images recorded on the memory card.
	Solution:	Insert a memory card with images. Also check the image after each shot to confirm.
This image cannot be displayed.	Problem:	The image file exists but can't be displayed.
	Solution:	Playback System (See page 21.)
This file cannot be deleted because this file is locked or cannot be deleted.	Problem:	This image has been locked to prevent deletion.
	Solution:	Delete the image with the machine that took the image or locked it.
Some files are locked or could not be deleted.	Problem:	Some images on this card have been write-protected.
	Solution:	Delete the image with the device that took the image or locked it.
The necessary Frame file does not exist or is unusable.	Problem:	The picture can't be viewed because there is no file or the link has been broken.
	Solution:	The link has been broken or the frame itself has been deleted. Replace or add a frame linked to this file. (See page 29.)

SET UP MODE MESSAGES

MESSAGE	PROBLEM & SOLUTION	
Not enough free space on the memory card.	Problem:	Not enough memory left on the card to record the picture.
	Solution:	Either delete some pictures or reformat the card. (See page 23.)
Not enough free space in the camera's memory.	Problem:	Not enough camera memory to transmit the frame.
	Solution:	Delete one or more PIF frames from camera memory. (See page 30.)
A Frame with the same name already exists. Replace it with this Frame?	Problem:	Another frame with this name exists either on the memory card or in the camera.
	Solution:	You may choose to replace it. Please note that the new file will overwrite the existing one.

DIRECT PRINTING MESSAGES

MESSAGE	PROBLEM & SOLUTION	
Battery power is low. Connect AC adapter.	Problem:	Little battery power remaining.
	Solution:	The camera won't continue to direct print when the power is low. Connect to AC power.
Make sure that the printer is on and connected.	Problem:	The DP cable is disconnected; the printer selected doesn't support the direct printing; is connected to another device (other than a computer), the printer power is turned off.
	Solution:	Reconnect the camera correctly to the printer and turn the printer power on. (See page 39.)
Black ink out. Replace the black ink cartridge.	Problem:	The printer is out of black ink.
	Solution:	Replace the black cartridge following the printer instruction booklet.
Color ink out. Replace the color ink cartridge.	Problem:	The printer is out of colored ink.
	Solution:	Replace the colored cartridge(s) following the printer instruction booklet.
Check the ink cartridges.	Problem:	An ink cartridge is missing or not set properly in the printer.
	Solution:	Set or reset ink cartridge(s) following the printer instruction booklet.
Paper out. Load paper.	Problem:	The paper isn't set properly in the printer.
	Solution:	Set or reset the paper following the printer instruction booklet.
Paper jam.	Problem:	A sheet of paper has jammed during printing.
	Solution:	Clear the jam following the printer instruction booklet.
This image cannot be printed.	Problem:	You have selected an image that can't be printed.
	Solution:	Select another image.
Printer error.	Problem:	There may be a problem with the printer.
	Solution:	Turn the printer off for a few seconds then turn the power back on. If the error message still appears, turn the power off and check to see if there is anything (packing materials, paper) stuck inside the printer. Then turn the power back on.
There is no response from the printer.	Problem:	The printer has frozen and won't communicate with the camera.
	Solution:	Check the camera to printer connection. Check that the printer power is turned on. See the printer instruction booklet for further details.
Could not print. Try printing again?	Problem:	If the printer is in the middle of printing something, it may not be able to accept the next request.
	Solution:	Restart the printer or wait until the current print run is finished and then try again.
Could not print.	Problem:	The printer has rejected the print request.
	Solution:	If neither of the above works, see the printer instruction booklet for further remedies.Restart the printer or resend the request from the camera. If none of these remedies work, contact your nearest Epson Customer Support.
A communication error has occurred.	Problem:	Either the cable has been disconnected or the power has been turned off.
	Solution:	Recheck that the cable is connected, turn the power back on and try again.
xx images could not be printed.	Problem:	If some of the images were taken with another camera or have been changed by software, only the images taken with this camera will be printed.
	Solution:	Use the actual camera or computer that was used to create the images in order to print them.

MESSAGE	PROBLEM & SOLUTION	
Cannot print because the necessary Frame file does not exist or is corrupted.	Problem:	The picture can't be printed because there is no frame file or the link has been broken.
	Solution:	Replace or add a frame linked to this file. (See page 29.)
This function cannot be performed from the camera with the printer you are using.	Problem:	The printer does not support this function.
	Solution:	You can try to clean it in some other way, but the printer doesn't support the camera's function.
This printer is not supported.	Problem:	The printer isn't made for direct printing.
	Solution:	Make sure the printer supports direct printing before you buy it.
Parts inside your printer require maintenance.	Problem:	The printer cannot print because the components within the printer need adjusting.
	Solution:	Turn the printer off for a few seconds then turn the power back on. If the error message still appears, consult the shop you bought your printer from or the Epson Customer Support.

EPSON INFORMATION

CONTACTING CUSTOMER SUPPORT

If your EPSON product is not operating properly and you cannot solve the problem using the troubleshooting information in your product documentation, contact customer support services for assistance. If customer support for your area is not listed below, contact the dealer where you purchased your product.

Customer support will be able to help you much more quickly if you give them the following information:

- ❏ Product serial number
  (The serial number label is usually on the back of the product.)
- ❏ Product model
- ❏ Product software version
  (Click About, Version Info, or similar button in the product software.)
- ❏ Brand and model of your computer
- ❏ Your computer operating system name and version
- ❏ Names and versions of the software applications you normally use with your product

For users in the United Kingdom and the Republic of Ireland

URL	http://www.epson.co.uk
Telephone (UK)	08701 637 766
(The Republic of Ireland)	01 679 9016

For users in the Middle East

URL	http://www.epson.com
E-mail	epson_support@compubase.co.ae
Telephone	+971 4 352 4488
Fax	+971 4 351 6617

For users in Scandinavia

URL	http://www.epson.com
Telephone	Denmark 80 88 11 27 Finland 0800 523 010 Norway 800 11 828 Sweden 08 445 12 58

For users in South Africa

URL	www.epson.co.za
Telephone	(011) 444-5223 or 0800 600 578

For user in France

Support Technique EPSON France,

0 892 899 999 (0,34 E/minute)

Ouvert du lundi au samedi de 9h00 à 20h00 sans interruption

http://www.epson.fr/support/selfhelp/french.htm pour accéder à l'**AIDE EN LIGNE.**

http://www.epson.fr/support/services/index.shtml pour accéder aux **SERVICES** du support technique.

For user in Germany

EPSON Service Center c/o Exel Hünxe GmbH

Werner-Heisenberg-Strase 2

46569 Hünxe

For user in Italy

EPSON Italia S.p.a.
Via M. Viganò de Vizzi, 93/95
20092 Cinisello Balsamo (MI)
Tel. 02.660.321
Fax. 02.612.36.22
Assistenza e Servizio Clienti
TECHNICAL HELPDESK
02.268.300.58
http://www.epson.it

For users in Spain

URL	http://www.epson.es
E-mail	soporte@epson.es
Telephone	902 40 41 42
Fax	93 582 15 16

For users in Portugal

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