SONY

Cyber-shot

Digital Still Camera

Instruction Manual

DSC-G1

MEMORY STICK ™   InfoLITHIUM ™   R TYPE

For details on the advanced operations, please access *"Cyber-shot Handbook"* contained on the supplied CD-ROM via a computer.

Operating Instructions
Before operating the unit, please read this manual thoroughly, and retain it for future reference.

2-898-083-**12**(1)

Owner's Record

The model and serial numbers are located on the bottom. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. DSC-G1

Serial No. _____

WARNING

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

For Customers in the U.S.A.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,

DO NOT REMOVE COVER (OR BACK).

NO USER-SERVICEABLE PARTS INSIDE.

REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

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

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT SAFEGUARDS

For your protection, please read these safety instructions completely before operating the appliance, and keep this manual for future reference.

Carefully observe all warnings, precautions and instructions on the appliance, or the one described in the operating instructions and adhere to them.

Use

❙ Power Sources

This set should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of electrical power supplied to your home, consult your dealer or local power company. For those sets designed to operate from battery power, or other sources, refer to the operating instructions.

❙ Polarization

This set may be equipped with a polarized ac power cord plug (a plug having one blade wider than the other).

This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to have a suitable outlet installed. Do not defeat the safety purpose of the polarized plug by forcing it in.

❙ Overloading

Do not overload wall outlets, extension cords or convenience receptacles beyond their capacity, since this can result in fire or electric shock.

❙ Object and Liquid Entry

Never push objects of any kind into the set through openings as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the set.

❙ Attachments

Do not use attachments not recommended by the manufacturer, as they may cause hazards.

Cleaning

Unplug the set from the wall outlet before cleaning or polishing it. Do not use liquid cleaners or aerosol cleaners. Use a cloth lightly dampened with water for cleaning the exterior of the set.

Installation

Water and Moisture

Do not use power-line operated sets near water – for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.

Power-Cord Protection

Route the power cord so that it is not likely to be walked on or pinched by items placed upon or against them, paying particular attention to the plugs, receptacles, and the point where the cord exits from the appliance.

Accessories

Do not place the set on an unstable cart, stand, tripod, bracket, or table. The set may fall, causing serious injury to a child or an adult, and serious damage to the set. Use only a cart, stand, tripod, bracket, or table recommended by the manufacturer.

Ventilation

The slots and openings in the cabinet are provided for necessary ventilation. To ensure reliable operation of the set, and to protect it from overheating, these slots and openings must never be blocked or covered.

– Never cover the slots and openings with a cloth or other materials.
– Never block the slots and openings by placing the set on a bed, sofa, rug, or other similar surface.
– Never place the set in a confined space, such as a bookcase, or built-in cabinet, unless proper ventilation is provided.
– Do not place the set near or over a radiator or heat register, or where it is exposed to direct sunlight.

Lightning

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

Service

Damage Requiring Service

Unplug the set from the wall outlet and refer servicing to qualified service personnel under the following conditions:
– When the power cord or plug is damaged or frayed.
– If liquid has been spilled or objects have fallen into the set.
– If the set has been exposed to rain or water.
– If the set has been subject to excessive shock by being dropped, or the cabinet has been damaged.
– If the set does not operate normally when following the operating instructions. Adjust only those controls that are specified in the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the set to normal operation.
– When the set exhibits a distinct change in performance – this indicates a need for service.

Servicing

Do not attempt to service the set yourself as opening or removing covers may expose you to dangerous voltage or other hazards.
Refer all servicing to qualified service personnel.

Replacement parts

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

Safety Check

Upon completion of any service or repairs to the set, ask the service technician to perform routine safety checks (as specified by the manufacturer) to determine that the set is in safe operating condition.

Read this first

Note on the wireless LAN function

The wireless LAN function is intended to be used in the country or region where you purchased this digital still camera, if not otherwise specified.

CAUTION

Replace the battery with the specified type only. Otherwise, fire or injury may result.

For Customers in the U.S.A. and Canada

▌RECYCLING LITHIUM-ION BATTERIES

Lithium-Ion batteries are recyclable.

You can help preserve our environment by returning your used rechargeable batteries to the collection and recycling location nearest you.

For more information regarding recycling of rechargeable batteries, call toll free 1-800-822-8837, or visit http://www.rbrc.org/

Caution: Do not handle damaged or leaking Lithium-Ion batteries.

This device complies with Part 15 of the FCC Rules and RSS-Gen of IC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

▌IMPORTANT NOTE

To comply with FCC/IC RF exposure requirements, the following antenna installation and device operating configurations must be satisfied: the antenna has been installed by the manufacturer and no change can be made.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

The wireless LAN function is intended to be used in the U.S.A. and Canada.

For Customers in Canada

This Class B digital apparatus complies with Canadian ICES-003.

For Customers in the U.S.A.

If you have any questions about this product, you may call:

Sony Customer Information Services Center 1-800-222-SONY (7669)

The number below is for the FCC related matters only.

▌Regulatory Information

Declaration of Conformity

Trade Name: SONY

Model No.: DSC-G1

Responsible Party: Sony Electronics Inc.

Address: 16530 Via Esprillo,
          San Diego, CA 92127U.S.A.

Telephone No.: 858-942-2230

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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Note: DSC-G1 is to be used with the Cyber-shot Station. Model UC-GA and AC Adaptor Model AC-LS5.

❚ CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

The available scientific evidence does not show that any health problems are associated with using low power wireless devices. There is no proof, however, that these low power wireless devices are absolutely safe. Low power Wireless devices emit low levels of radio frequency energy (RF) in the microwave range while being used. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low-level RF that does not produce heating effects causes no known adverse health effects. Many studies of low-level RF exposures have not found any biological effects. Some studies have suggested that some biological effects might occur, but such findings have not been confirmed by additional research. DSC-G1 has been tested and found to comply with FCC radiation exposure limits set forth for an uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65.

❚ Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.

– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help.

The supplied interface cable must be used with the equipment in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules.

For the State of California, USA only

Perchlorate Material - special handling may apply, See www.dtsc.ca.gov/hazardouswaste/perchlorate
Perchlorate Material : Lithium battery contains perchlorate

For Customers in Europe

Hereby, Sony Corporation, declares that this DSC-G1 Digital Still Camera is in compliance with the essential requirements and other relevant provisions of the Directive 1999/5/EC. For details, please access the following URL:http://www.compliance.sony.de/

ϵ €

The wireless LAN function is intended to be used in the following countries or regions:

Belgium, Netherlands, Luxembourg, France, Italy, Germany, United Kingdom, Ireland, Denmark, Greece, Spain, Portugal, Austria, Finland, Sweden, Poland, Hungary, Czech, Slovak, Slovenia, Estonia, Latvia, Lithuania, Cyprus, Malta, Swiss, Norway, Iceland, Liechtenstein.
Otherwise, the wireless LAN function is intended to be used in the country or region where you purchased the camera.

This product has been tested and found compliant with the limits set out in the EMC regulation for using connection cables shorter than 3 meters (9.8 feet).

❚Attention

The electromagnetic fields at the specific frequencies may influence the picture and sound of this camera.

❚Notice

If static electricity or electromagnetism causes data transfer to discontinue midway (fail), restart the application or disconnect and connect the communication cable (USB, etc.) again.

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

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

Notice for customers in the United Kingdom

A moulded plug complying with BS 1363 is fitted to this equipment for your safety and convenience.

Should the fuse in the plug supplied need to be replaced, a fuse of the same rating as the supplied one and approved by ASTA or BSI to BS 1362, (i.e., marked with an ⊛ or ⩒ mark) must be used.

If the plug supplied with this equipment has a detachable fuse cover, be sure to attach the fuse cover after you change the fuse. Never use the plug without the fuse cover. If you should lose the fuse cover, please contact your nearest Sony service station.

For use in Norway

Use of this radio equipment is not allowed in the geographical area within a radius of 20 km from the centre of Ny-Alesund, Svalb ard.

For Customers in Singapore

Complies with
IDA Standards
DB00353

Notes on using your camera

Internal memory and "Memory Stick Duo" back up

Do not turn off the camera or remove the battery pack or "Memory Stick Duo" while the access lamp is lighted, as the internal memory data or "Memory Stick Duo" data may be destroyed. Always protect your data by making a back up copy.

Notes on recording/playback

• Before you record one-time events, make a trial recording to make sure that the camera is working correctly.
• This camera is neither dust-proof, nor splash-proof, nor water-proof. Read "Precautions" (page 37) before operating the camera.
• Be careful not to get the camera wet. Water entering the inside of the camera may cause malfunctions which in some cases may not be repairable.
• Do not aim the camera at the sun or other bright light. It may cause the malfunction of your camera.
• Do not use the camera near a location that generates strong radio waves or emits radiation. The camera may not be able to record or play back properly.
• Using the camera in sandy or dusty locations may cause malfunctions.
• If moisture condensation occurs, remove it before using the camera (page 37).
• Do not shake or strike the camera. In addition to malfunctions and an inability to record images, this may render the recording medium unusable, or cause image data breakdown, damage or loss.
• Clean the flash surface before use. The heat of flash emission may cause dirt on the flash surface to become discolored or to stick to the flash surface, resulting in insufficient light emission.

Notes on the LCD screen

• The LCD screen is manufactured using extremely high-precision technology so over 99.99% of the pixels are operational for effective use. However, there may be some tiny black points and/or bright points (white, red, blue or green in color) that constantly appear on the LCD screen. These points are normal in the manufacturing process and do not affect the recording in any way.

On image data compatibility

• This camera conforms with DCF (Design rule for Camera File system) universal standard established by JEITA (Japan Electronics and Information Technology Industries Association).
• Playback of images recorded with your camera on other equipment and playback of images recorded or edited with other equipment on your camera are not guaranteed.

Warning on copyright

Television programs, films, videotapes, and other materials may be copyrighted. Unauthorized recording of such materials may be contrary to the provisions of the copyright laws.

No compensation for contents of the recording

The contents of the recording cannot be compensated for if recording or playback is not possible due to a malfunction of your camera or recording media, etc.

Table of contents

Getting started

Checking the accessories supplied

• Cyber-shot Station (1)
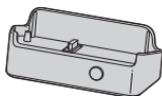
• AC Adaptor AC-LS5 (1)
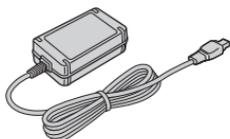
• Power cord (mains lead) (1)
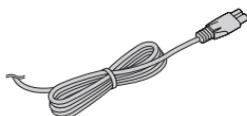
• Rechargeable battery pack NP-FR1 (1)/Battery case (1)
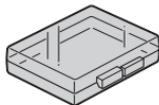
• USB cable (1)

• A/V cable (1)

• Wrist strap (1)

• CD-ROM (Cyber-shot application software/ "Cyber-shot Handbook") (1)
• Instruction Manual (this manual) (1)

Attach the strap to prevent the camera from damage by being dropped, etc.

Hook
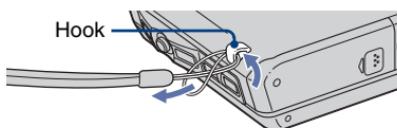
1 Inserting the battery pack

① The rear of the battery pack

Battery/"Memory Stick Duo" cover

Set the apex of the ▲ mark on the battery insertion slot and that of the ▲ mark on the side of the battery pack to the same direction.

② Battery eject lever

Insert the battery pack while pressing the battery eject lever with the tip of the battery pack.
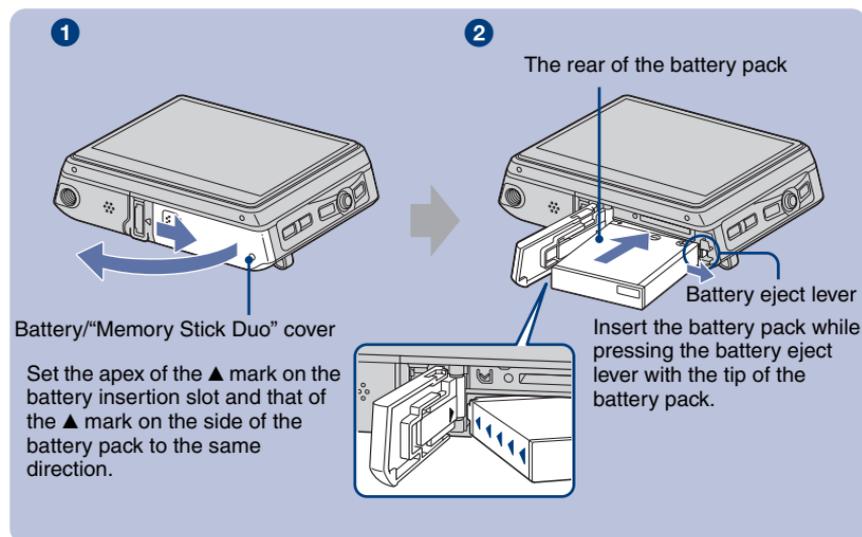
①Open the battery/"Memory Stick Duo" cover.

②Insert the battery pack.

③Close the battery/"Memory Stick Duo" cover.

❚To remove the battery pack

Open the battery/"Memory Stick Duo" cover and remove the battery pack.

Access lamp

Slide **the battery eject lever**.
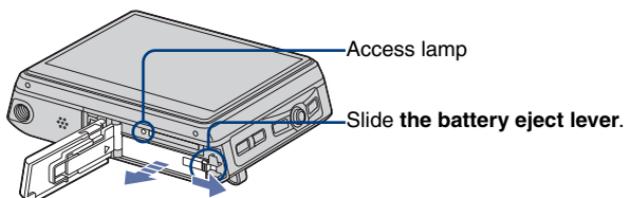
• Be sure not to drop the battery pack.
• Never remove the battery pack when the access lamp is lit. The data may be corrupted.

When recording in a "Memory Stick Duo" (not supplied)

You can also record images in a "Memory Stick Duo" (not supplied) instead of the internal memory.

Access lamp

Insert the "Memory Stick Duo" with the terminal side facing as illustrated.
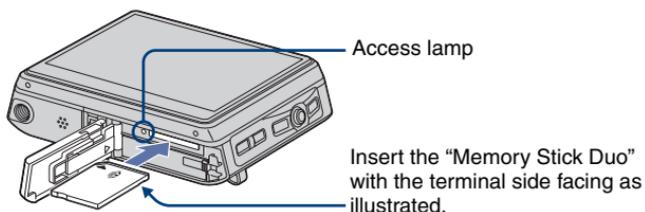
Push the "Memory Stick Duo" in once to remove the "Memory Stick Duo".

• Never remove the "Memory Stick Duo" when the access lamp is lit. The data may be corrupted.
• When the [Default Media] is set to [Internal Memory] via the home screen, the images are recorded in the internal memory, although the "Memory Stick Duo" is being inserted (page 24).

2 Charging the battery pack
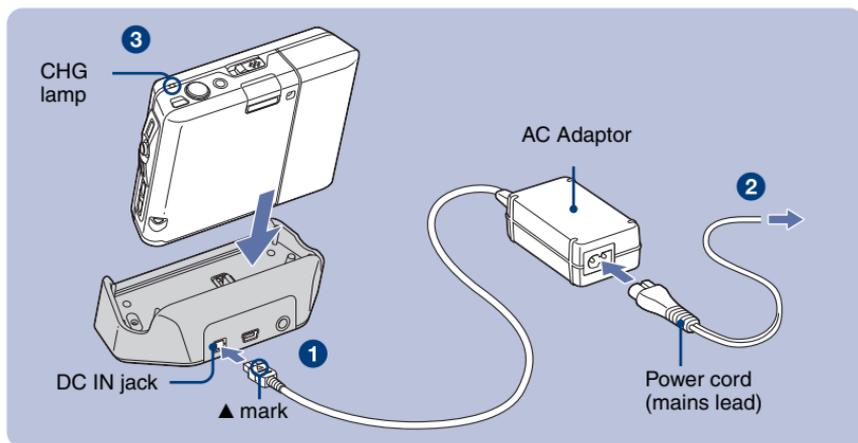
❶ Connect the cable of the AC Adaptor (supplied) to the DC IN jack of the Cyber-shot Station (supplied).

❷ Connect the power cord (mains lead) to the AC Adaptor and plug the adaptor into the wall outlet (wall socket).

❸ Attach the camera on the Cyber-shot Station.

The CHG lamp lights on, and charging starts.
When the CHG lamp turns off, charging is finished (Full charge).

Charging time

Battery pack	Full charge time
NP-FR1	Approx. 240 min.

- Time required to charge a fully depleted battery pack (supplied) at a temperature of 25°C (77°F). Charging may take longer under certain circumstances or conditions.
- For details on battery usable time, see page 33.
- Even if the CHG lamp is not lit, the camera is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet (wall socket). If any trouble occurs while using the adaptor, immediately shut off the power by disconnecting the plug from the wall outlet (wall socket).
- Do not use the AC Adaptor placed in a narrow space, such as between a wall and furniture.
- If you do not operate the camera for a long time, disconnect the AC Adaptor both from the DC IN jack of the Cyber-shot Station and from a wall outlet (wall socket).

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▌To check the remaining battery time

Open the lens cover or press the POWER button to turn on and check the time on the LCD screen. When the remaining battery time is not indicated, switch the display by pressing the DISP (Screen display switch) button.

DISP (Screen display switch) button

Remaining indicator

60Min

Remaining time

LCD screen
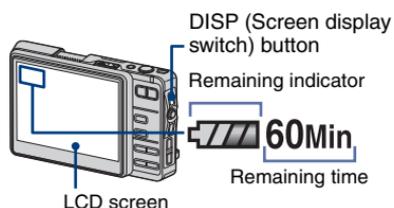
• It takes about one minute until the correct battery remaining time appears.
• Only ⛃ is indicated, depending on a mode.
• The displayed time remaining may not be correct under certain circumstances.
• When you turn on the power for the first time, the Clock Set screen appears (page 15).

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3 Turning the camera on/setting the clock

① Lens cover

OPEN (CAMERA) lever

① POWER button

② Control button

Up

Right: Move the button to the lens side.

Left: Move the button to the LCD screen side.

Press ●

Down

HOME button

Clock Set

Area:	GMT +0.0 Lisbon
Daylight Savings:	Off
Date display order:	Y/M/D

2007 / 1 / 1   10 : 30 AM   OK

1
2
3
4
5
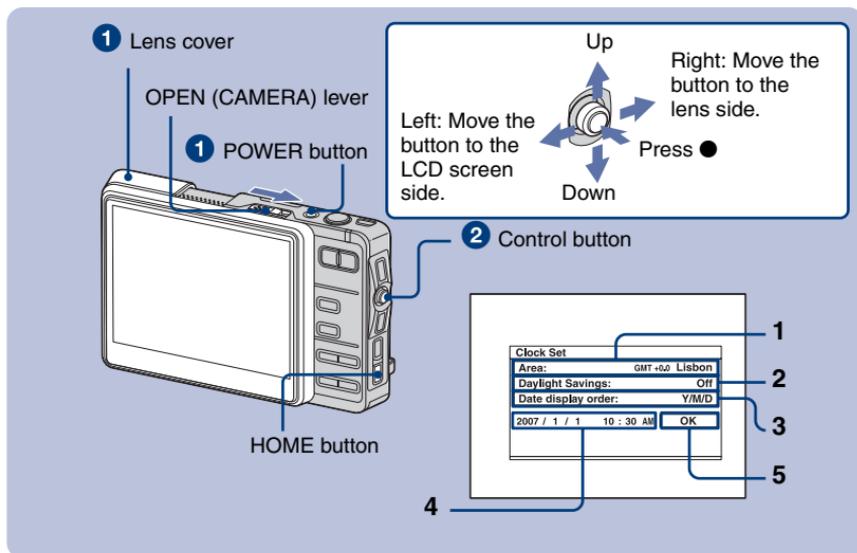
①Press the POWER button or open the lens cover.

②Set the clock with the control button.

  1 -①Select [Area], then press ●.
    -②Select the desired area, then press ●.
  2 -①Select [Daylight Savings], then press ●.
    -②Select [On] or [Off] of the daylight saving time, then press ●.
  3 -①Select [Date display order], then press ●.
    -②Select the desired order, then press ●.
  4 -①Select each item and set the numeric value, then press ●.
    -②Set up all the items.
  5 Select [OK], then press ●.

❚ **To change the date and time**

Press the HOME button, and select [🧰 Settings] → [⊕ Clock Set] (page 25).

❚ **When you turn on the power**

• If the camera is running on battery power and you do not operate the camera for about three minutes, the camera turns off automatically to prevent wearing down the battery pack (Auto power-off function).

4 Connecting the camera with your computer

If you use the software contained in the CD-ROM (supplied), you can display images shot with the camera on the computer. For details, refer to "Cyber-shot Handbook."

CONNECT button
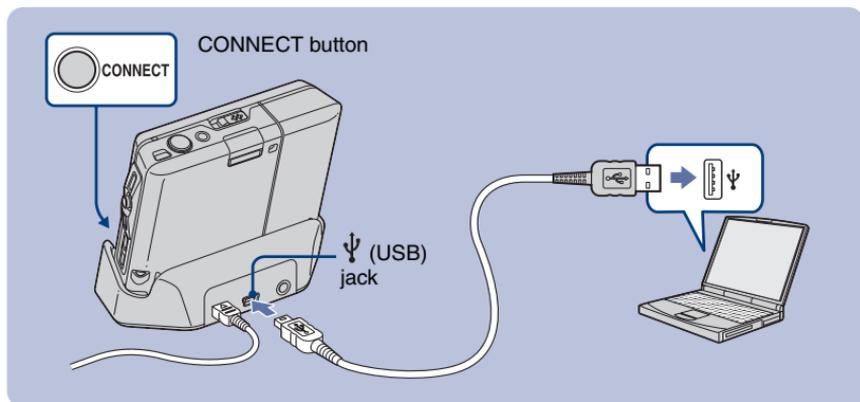
Ψ (USB) jack

Connect the USB cable to the Ψ (USB) jack of the Cyber-shot Station and the USB jack of a computer and then press the CONNECT button.

Viewing "Cyber-shot Handbook"

For Windows users

1   Turn on your computer, and insert the CD-ROM (supplied) into the CD-ROM drive.
    The screen below appears.

    When you click the [Cyber-shot Handbook] button, the screen for copying "Cyber-shot Handbook" appears. Follow the on-screen instructions to copy.

2   After the installation is complete, double-click the shortcut created on the desktop.

For Macintosh users

1   Turn on your computer, and insert the CD-ROM (supplied) into the CD-ROM drive.
    Select the "Handbook" folder and copy "Handbook.pdf" stored in the "GB" folder to your computer.

2   After copying is complete, double-click "Handbook.pdf."

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Installing the software

Supported Operating Systems for "Album Editor", "Picture Motion Browser"

Windows 2000 Professional (SP4 or later required), Windows XP Home Edition or Windows XP Professional

• Must be installed with above OS at delivery.

• The "Album Editor" and "Picture Motion Browser" are not compatible with Macintosh computers.

• For further details on the operating environment of "Album Editor" and "Picture Motion Browser," refer to "Cyber-shot Handbook."

1 Turn on your computer, and insert the CD-ROM (supplied) into the CD-ROM drive.

The screen below appears.

When you click the [Install] button, the "Choose Setup Language" screen appears.

2 Follow the instructions on the screen to complete the installation.

3 After the installation is complete, double-click the shortcut created on the desktop.

Shooting images easily (Auto adjustment mode)

Microphone

Lens cover

Zoom (W/T) button

2 ⊞/ 📷 (Movie/ Photo) button

🔢 / 🗑 (Image Size) button

Tripod receptacle (bottom)

1 OPEN (CAMERA) lever

4 Shutter button

DISP (Screen display switch) button

Control button

⚡ (Flash) button

🌷/ 🔍 (Macro/Magnifying Glass) button

⏱ (Self-timer) button
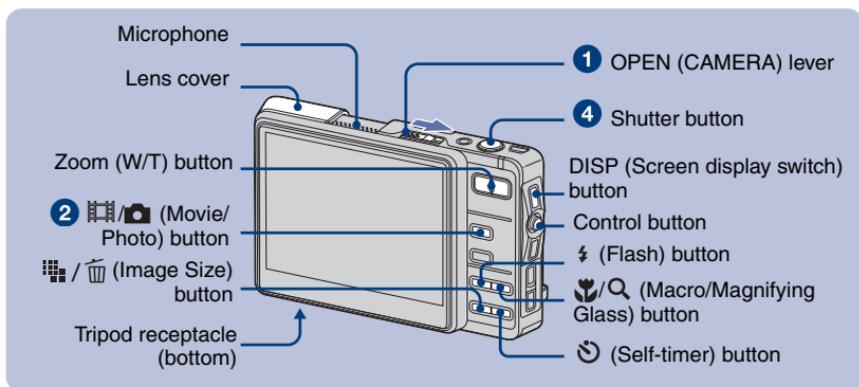
1 **Open the lens cover by sliding the OPEN (CAMERA) lever.**

Open until it clicks.

2 **Select a mode with the ⊞/ 📷 (Movie/Photo) button.**

Each time you press the ⊞/ 📷 (Movie/Photo) button, the mode changes between Movie and Photo.

3 **Hold the camera steady, keeping your arm at your side.**

Position the subject in the center of the LCD screen.

4 **Shoot with the shutter button.**

Aside from an Original Image, a small size Album Image is recorded in the internal memory.
Still image:
1 Press and hold the shutter button halfway down to focus.

The ● (AE/AF lock) indicator (green) flashes, a beep sounds, the indicator stops flashing and remains lit.
2 Press the shutter button fully down.

The shutter sounds.

AE/AF lock indicator
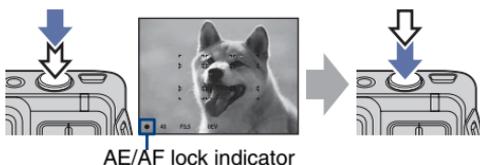
Movie:
Press the shutter button fully down.

To stop recording, press the shutter button fully down again.

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⊕ ⊖ Using the zoom

Press the zoom button.

- When the zoom scale exceeds 3×, the camera uses the Digital Zoom function.

⚡ Flash (Selecting a flash mode for still images)

Press the ⚡ (Flash) button repeatedly until the desired mode is selected.

⚡AUTO : Flash Auto

> Strobes when there is insufficient light or backlight (default setting)

⚡ : Flash forced on

⚡SL : Slow synchro (Flash forced on)

> The shutter speed is slow in a dark place to clearly shoot the background that is out of flash light.

⚡ : Flash forced off

🌷 Macro/Magnifying Glass (Shooting close-up)

Press the 🌷 (Macro/Magnifying Glass) button repeatedly until the desired mode is selected.

🌷OFF : Macro off (Default setting)

🌷 : Macro on (W side: Approx. 8 cm or farther (3 1/4 inches or farther), T side: Approx. 25 cm or farther (9 7/8 inches or farther))

🌷Q :Magnifying Glass on (Locked to the W side: Approx. 1 to 20 cm (13/32 to 7 7/8 inches))

⏱ Using the self-timer

Press the ⏱ (Self-timer) button repeatedly until the desired mode is selected.

⏱OFF : Not using the self-timer
⏱10 : Setting the 10-second delay self-timer
⏱2 : Setting the 2-second delay self-timer

Press the shutter button, the self-timer lamp flashes, and a beep sounds until the shutter operates.

Self-timer lamp

🖼 / 🗑 To change the image size

Press the 🖼 / 🗑 (Image Size) button, then select the size using the control button.
To turn off the Image Size menu, press the 🖼 / 🗑 button again.

Still images

Image size	Usage guidelines
6M : 6M	For prints up to A4(8×10")
3:2 : 3:2	Shoot with 3:2 aspect ratio
3M : 3M	For prints up to 13×18 cm(5×7")
2M : 2M	For prints up to 9×13 cm(3.5×5")
VGA : VGA	For emailing (640×480)
16:9 : 16:9	Display On 16:9 HDTV

Movies

Image size	Usage guidelines
640 : 640×480	Display on TV
320 : 320×240	For emailing (320×240)

On the recordable number of still images and recordable time of movies

Recordable number of still images and recordable time of movies vary depending on the selected image size. Pressing the DISP (Screen display switch) button turns on the time indication.

Still images

Maximum number of recordable images

Movies

Maximum recordable time

- The number of recordable images and time can differ according to shooting conditions (page 34).

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Viewing/deleting images

POWER button

(Index)/ (playback zoom) button

(playback zoom) button

1 (Playback) button

2 Control button

/ (Delete) button
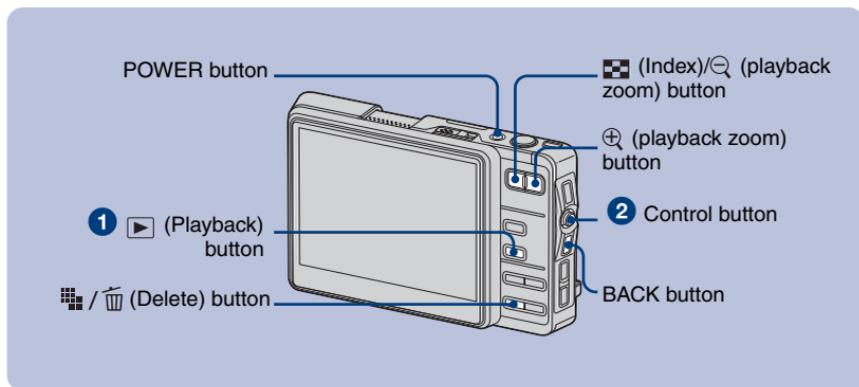
BACK button

1 Press the (Playback) button.

When the lens cover is closed, pressing the POWER button turns on the camera with the playback mode.

2 Select an image by moving the control button to ←/→.

Moving it to ← displays the previous image, and moving it to → displays the next image.
Movie:

Press ● to play back a movie. (Press ● again to stop playback.)

Holding the control button to ← to rewind and to → to fast forward. (Press ● to return to normal playback.)

Moving the control button to ↑/↓ to adjust the volume.

/ To delete images

1 Display the image you want to delete and press / (Delete).

2 Select [Original Image Only] or [Original & Album Images] with the control button, then press ●.

To view an enlarged image (playback zoom)

Press while displaying a still image.

To undo the zoom, press .

Adjust the portion: Moving the control button to ↑/↓/←/→.

Cancel playback zoom: Press BACK.

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▮⬛ Viewing an index screen

Press ⬛ (Index) to switch to the index screen. Each time you press DISP (Screen display switch) or ⬛ (Index), the screen changes as follows.

DISP (Screen display switch)


DISP (Screen display switch) or ⬛ (Index) button
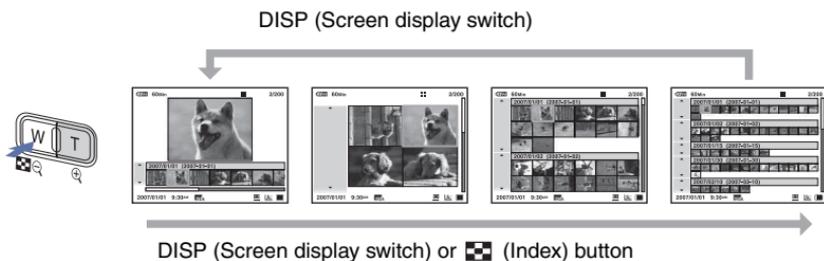
Select an image with the control button.
To return to the single-image screen, press ●.

▮ To view images on the TV screen

Connect to the TV using the A/V cable (supplied).

To A/V OUT (STEREO) jack

To audio/video input jacks

A/V cable

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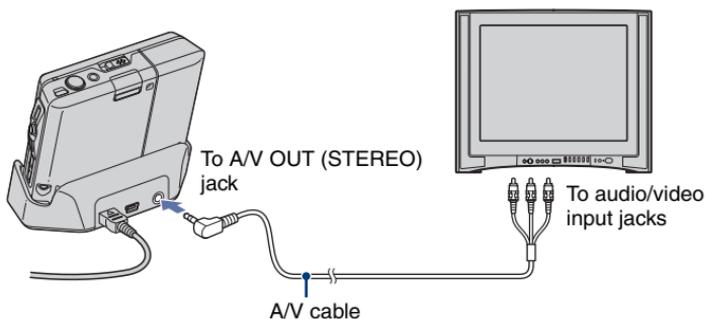
How to operate – home/menu

Using the home screen

The home screen is the basic screen used for accessing the various functions. You can access the home screen regardless of the shooting/viewing mode.

❶ Press HOME to display the home screen.

Category

Item

Guide
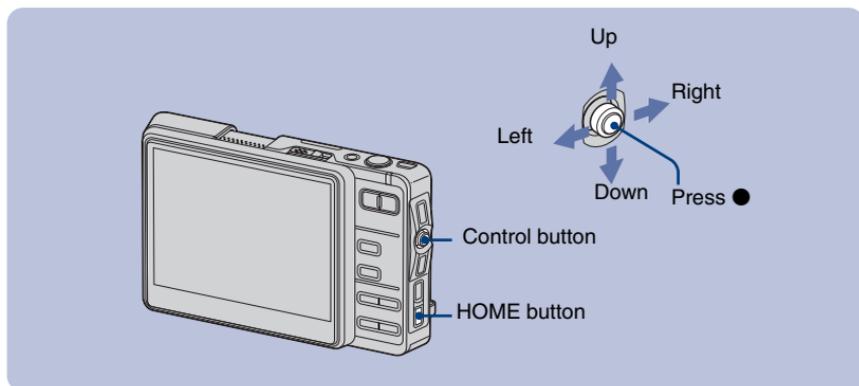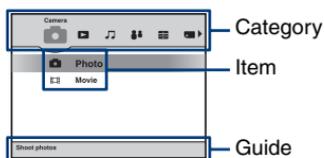
❷ Move the control button to ←/→ to select a category.

❸ Move the control button to ↑/↓ to select an item.

❹ Press ● to set.

**When [ ] (Media Tools) or [ ] (Settings) is selected**
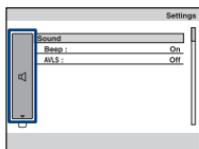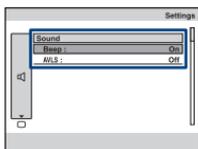
①	②	③
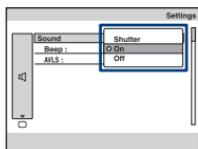
① **When you select [Main] in [ ] (Settings), select the desired item by moving the control button to ↑/↓.**

② **Move the control button to → to select the item selection area, and move to ↑/↓ to select the desired item, then press ●.**

③ **Select the desired setting by moving the control button to ↑/↓, then press ●.**

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The home list

Pressing the HOME button displays the following items.
Details on the items are displayed on the screen using the guide.

Category	Items	
📷 **Camera**	Photo	
	Movie	
▶ **Viewer**	Album	
	Memory Stick	
	Last Image	
	Last Viewed	
	Slide Show	
🎵 **Music**	Audio Player	
👥 **Communication**	Collaboration Shot	
	Picture Gift	
🗄 **Toolbox**	Print	
	Share Images	
🔲 **Media Tools**	General	
	Media Space	File Number
	Default Media	Check Album
	Memory Stick	
	Format	Create REC. Folder
	Change REC. Folder	
	Internal Memory	
	Scan Images	Format
	Fully Format	

Category	Items	
🧰 **Settings**	Main	
	Sound	
	Beep	AVLS
	Screen	
	Language	HOME Design
	Function Guide	LCD Brightness
	Preferences	
	Initialize	USB Connect
	Video Out	
	Clock Set	
	Clock Set	
	Camera	
	Image Size(Photos)	Image Size(Movies)
	AF Mode	Digital Zoom
	Red Eye Reduction	AF Illuminator
	SteadyShot	Auto Orientation
	Music	
	Repeat	MEGA BASS
	LCD Auto Off	
	Network	
	Access Point	Network Power Save
	Nickname	Img exchg password

Using menu items

Selects a function used for shooting or viewing from the menu.

Up

Right

Left

Down   Press ●

Control button

MENU button
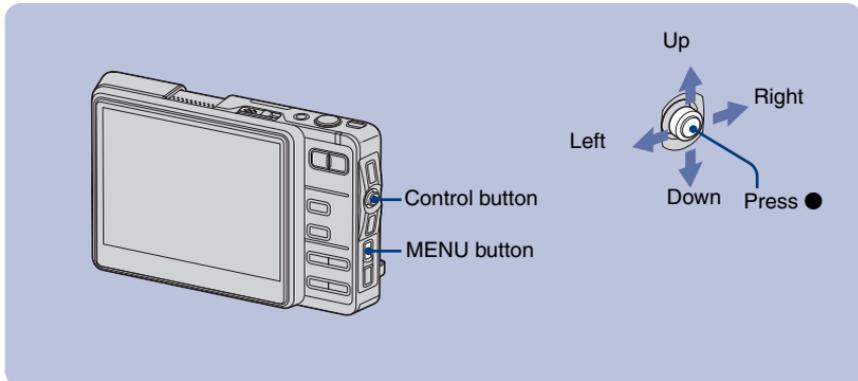
A Press MENU to display the menu.

• Different items are available depending on the mode.

Function guide
Setting [Function Guide] to [Off] turns off the function guide (page 25).

B Move the control button to ↑/↓ to select the menu item.

C Move the control button to ←/→ to select a setting.

• To display an item that is not displayed, move the control button to ←/→ until the item is displayed.
• Press ● after selecting an item in playback mode.

D Press MENU to turn off the menu.

Menu items

The available menu items vary depending on the mode position. Only the available items are
displayed on the screen.

Menu for shooting

Camera	Selects the still image camera mode. Auto: Allows easy shooting with the settings adjusted automatically. Program: Allows you to shoot with the exposure adjusted automatically (both the shutter speed and the aperture value). Also you can select various settings using the menu. Scene Selection: Allows you to shoot with the preset settings according to the scene.
Scene	Selects a SCN (Scene Selection) item.
EV	Adjusts the exposure.
Focus	Changes the focus method.
Metering Mode	Selects the metering mode.
White Bal	Adjusts the color tones.
ISO	Selects a luminous sensitivity.
REC Mode	Selects the continuous shooting method.
Flash Level	Adjusts the amount of flash light.
Camera Set.	Changes setup items for shooting.

Menu for viewing

▦ (Album)/🗁 (Folder)	Searches for an album in chronogical order, or combines or splits the album created in the camera.
🗑 ⚲ (Manage Images)	Deletes images or protects images against accidental erasure.
🖹 (Edit Image)	Rotates images or change the image size.
◈ (Label)	Registers labels on images.
🔍 (Find)	Searches for images.
🖨 (Print)	Prints images.
🖵 (Slide Show)	Plays back a series of images.
🔼 (Import)/🔽 (Export)	Copies the images stored in the "Memory Stick Duo" to an album (Import) and copies the Album Images to the "Memory Stick Duo" (Export).
❶ (Details)	Displays the detailed data on the selected image.

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Enjoying the supplied software using your computer

For details on how to use the software, refer to the "Cyber-shot Handbook", or Help for the software.

"Album Editor"

With the supplied "Album Editor", you can use a computer to easily search for images or to edit the settings of the album and the properties of the images stored in the camera.

With the "Album Editor", you can:
• Name an album
• Combine or split an album
• Comment the images
• Edit the properties of an image or an album
• Copy images in the camera to a computer
• Copy images on a computer to the camera
• Add search information
• Back up all data stored in the camera
  In case of accidental data consumption, backing up your data stored in the camera on a regular basis is recommended.
• Restore the data of the camera from a backup of a computer

To access the Help, click [Start] → [All Programs] (in Windows 2000, [Programs]) → [Sony Picture Utility] → [Help] → [Album Editor]

Starting and exiting "Album Editor"
Starting the "Album Editor"
Press the CONNECT button on the Cyber-shot Station.

Exiting the "Album Editor"
Click the ⊠ button on the upper right corner of the screen.

"Picture Motion Browser"

You can use still images and movies from the camera more than ever by taking advantage of the software.

With the "Picture Motion Browser" you can:
• Organize images on the computer on a calendar by shooting date to view them.
• Retouch, print, and send still images as e-mail attachments, change the shooting date, and more.

To access the Help, click [Start] → [All Programs] (in Windows 2000, [Programs]) → [Sony Picture Utility] → [Help] → [Picture Motion Browser].

Starting and exiting the "Picture Motion Browser"
Starting the "Picture Motion Browser"
Double-click the ⬚ (Picture Motion Browser) icon on the desktop.
Or, from the Start menu: Click [Start] → [All Programs] (in Windows 2000, [Programs]) → [Sony Picture Utility] → [Picture Motion Browser].

Exiting the "Picture Motion Browser"
Click ⊠ button in the top right corner of the screen.

Using the wireless LAN

The camera is compliant with the DLNA (Digital Living Network Alliance) to connect with a DLNA-enabled device via wireless LAN.
For further information, refer to the "Cyber-shot Handbook".

Exchanging images among the DSC-G1s

Directly establishes a connection among the DSC-G1s without an access point (Ad-hoc mode).

Pressing the WLAN buttons on the devices simultaneously establishes the wireless network.

Collaboration Shot
An image captured with this camera can automatically be sent to other cameras connected via WLAN (Wireless network). Up to four cameras can share the image.

Picture Gift
You can exchange an image stored on this camera with another cameras connected via WLAN (Wireless network).
When the user granting access selects an image to be sent, the device on the receiving side displays the image in the index display area.

Making your images public via an access point

Connects to a network via an access point (Infrastructure mode).
The camera is compliant with the DLNA1.0 standards. With a DLNA-enable TV set, you can view images stored in the camera via an access point, without connecting the devices via an A/V cable.

Listening to music

You can play back MP3 files stored in the "MUSIC" folder in the internal memory.
For further information, refer to the "Cyber-shot Handbook".

Importing music files

This section describes an example of importing music files to the "My Music" folder.

1 Connect the camera to a computer, and then press CONNECT.

2 Click [Start] → [My Music].

The contents of the "My Music" folder are displayed.

3 Right-click the desired music file, then click [Copy].

4 Double-click [My Computer] → [Removable Disk] → [MUSIC]. Then, right-click on the "My Music" window to display the menu and click [Paste].

The music file is imported to the "MUSIC" folder.

• Note that this camera does not support ATRAC3 and ATRAC3plus formats. This camera supports only MP3 format files.

Playing back music

1 Press HOME to display the home screen.

Select [♫] (Music) → [♫ Audio Player] with the control button, then press ●.

The player screen appears.

2 Press ●.

Playback starts.

To deactivate the buttons

Press ⚡.

To pause

Press ●.

To skip to the next/previous track

Move the control button to ←/→.

To adjust the volume

Move the control button to ↑/↓ to adjust the volume.

Indicators on the screen

When shooting still images

A
B
C
D
E

When shooting movies

A
B
C
D
E

When playing back

A
B
C

A
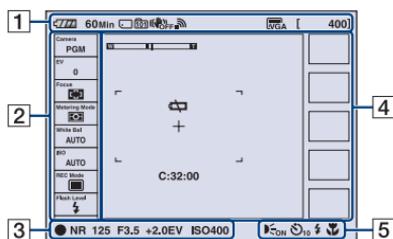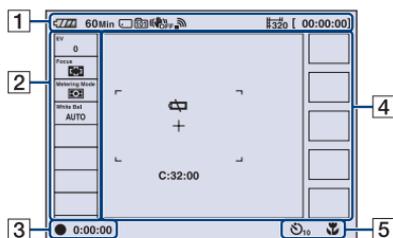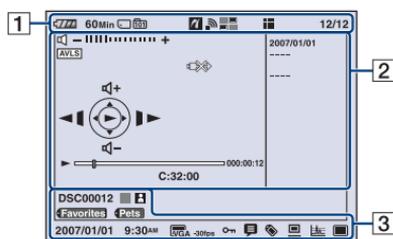
	60Min	Battery remaining
		Recording media/The destination medium of Original Images
101		Recording folder/Playback folder
		SteadyShot
		Radio field strength with a network
6M 3:2 3M 2M VGA 16:9 640 320		Image size
[400]		Remaining number of recordable images
[00:00:00]		Maximum recording time
		PictBridge connecting
		Search keyword
		Index mode
12/12		Image number/Number of images recorded in selected folder

B

	The setting that has been selected by the menu
W	Zoom scaling
×1.3	
	Volume
AVLS	AVLS
C:32:00	Self-diagnosis display
00:00:12	Counter
	Playback bar

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► II ►► ◄◄ I► ◄I	Playback ► Playback II Pause ►► Fast-forward ◄◄ Rewind I► Frame-by-frame (advance) ◄I Frame-by-frame (rewind)
◄◄/I◄◄ (II) ►I\►► ◄I (►) I►	Movie operation guide ►►I/►► Skip/Fast-forward I◄◄/◄◄ Skip/Rewind I► Frame-by-frame (advance) ◄I Frame-by-frame (rewind)
⟨⟩※	PictBridge connecting
2007/01/01 ----	Information area

3

● (Green) ● (Red)	AE/AF lock Recording a movie
00:00:00	Recording time
Standby	Standby a movie
NR	NR slow shutter
125	Shutter speed
F3.5	Aperture value
+2.0EV	Exposure Value
ISO400	ISO number
DSC00012	File number
□	Color Detection
👤 📷 ▨	Face Detection
◁▭	Label
2007/01/01 9:30AM	Recorded date/time of the playback image
□6M □3:2 □3M □2M □VGA □16:9 ⫴640 ⫴320	Image size
-30fps	Frame number per second

○┓	Protect
💬	Comment
◈	Label
□ □	PC backup (done/undone)
⫍⫍ ⫍⫍	Image analysis (done/undone)
◼ ◻ ⬚	Original image (stored/not stored)

4

C:32:00	Self-diagnosis display
⟨⟩	Low battery warning
+2.0EV	Exposure Value
+	Spot metering cross hair
┌ ┐ └ ┘ ┌ ┄ ┐ ┆ ┆ └ ┄ ┘	AF range finder frame
▢	Latest recording history

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⫶ON	AF illuminator
(∰)Ⓐ	Vibration warning
⟲₁₀ ⟲₂	Self-timer
⚡ ⚡SL ⚡	Flash mode
❁ ❁Q	Macro/Magnifying Glass

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Battery life and memory capacity

Battery life and number of images that can be recorded/viewed

The tables show the approximate number of images that can be recorded/viewed and the battery life when you shoot images in [■] (Normal) mode with the battery pack (supplied) at full capacity and at an ambient temperature of 25°C (77°F).
Note that the actual numbers may be less than those indicated in the table depending on the conditions of use.

• Battery capacity decreases as you use it more, as the time passes.
• The number of images that can be recorded/ viewed and the battery life are decreased under the following conditions:
  – The surrounding temperature is low.
  – The flash is used frequently.
  – The camera has been turned on and off many times.
  – The zoom is used frequently.
  – The brightness of LCD Backlight is set to up.
  – [AF Mode] is set to [Monitor].
  – [SteadyShot] is set to [Continuous].
  – The battery power is low.
  – During a network connection

When shooting still images

No. of images	Battery life (min.)
Approx. 280	Approx. 140

• Shooting in the following situations:
  – [AF Mode] is set to [Single].
  – [SteadyShot] is set to [Shooting].
  – Shooting once every 30 seconds.
  – The zoom is switched alternately between the W and T ends.
  – The flash strobes once every two times.
  – The power turns on and off once every ten times.
• The measurement method is based on the CIPA standard.
  (CIPA: Camera & Imaging Products Association)
• The number of images/battery life does not change, regardless of image size.

When viewing still images

No. of images	Battery life (min.)
Approx. 4000	Approx. 200

• Viewing single images in order at about three second intervals

When shooting movies

Battery life (min.)
Approx. 110

• Shooting movies continuously with an image size of [320]

Number of still images and recording time of movies

The number of still images and the length of time for movies may vary depending on the shooting conditions.
• For details on the image size, see page 19.

▌The approximate number of still images

(Units: Images)

	Internal memory	"Memory Stick Duo" formatted with this camera						
Capacity Size	Approx. 2GB	128MB	256MB	512MB	1GB	2GB	4GB	8GB
6M	631	43	77	157	322	660	1305	2617
3:2	631	43	77	157	322	660	1305	2617
3M	1176	82	149	302	617	1266	2501	5017
2M	1846	134	238	484	988	2025	4002	8028
VGA	7502	791	1430	2906	5930	12155	20005	20005
16:9	1846	134	238	484	988	2025	4002	8028

• The number of images listed is for when [REC Mode] is set to [▣] (Normal).
• When the number of remaining shootable images is greater than 9,999, the ">9999" indicator appears.
• You can resize the images later ([🗟] (Edit Image), page 27).

▌The approximate recording time of movies

(Units: hour : minute : second)

	Internal memory	"Memory Stick Duo" formatted with this camera						
Capacity Size	Approx. 2GB	128MB	256MB	512MB	1GB	2GB	4GB	8GB
640×480	1:32:30	0:05:50	0:10:50	0:22:10	0:45:30	1:33:40	3:05:10	6:11:40
320×240	5:15:40	0:20:30	0:37:20	1:16:10	2:35:40	5:19:30	10:31:40	21:07:10

• The maximum recording time is two hours per one recording.
• When images recorded using earlier Sony models are played back on this camera, the display may differ from the actual image size.
• When measuring media capacity, 1 GB equals 1 billion bytes, a portion of which is used for data management.
• The size restriction of a movie is about 2 GB. When the size of a movie reaches 2 GB, the recording automatically stops.

Troubleshooting

If you experience trouble with your camera, try the following solutions.

❶ **Check the items below, and refer to "Cyber-shot Handbook."**

If a code such as "C/E:□□:□□" appears on the screen, refer to "Cyber-shot Handbook."

❷ **Remove the battery pack, and insert the battery pack again after about one minute, and turn on the power.**

❸ **Open the lens cover, and press the RESET button located on the bottom using a fine-tipped object, and turn on the power.**

If you do the operation above, the date and time setting is cleared.

RESET button
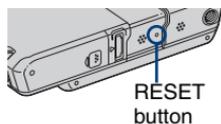
❹ **Consult your Sony dealer or local authorized Sony service facility.**

Please understand that you give your consent that the contents of the internal memory, Music files may be checked when you send your camera to be repaired.

Battery pack and power

The battery pack cannot be installed.

• Install the battery pack correctly using the tip of the battery pack to push the battery eject lever (page 11).

Cannot turn on the camera.

• Install the battery pack correctly (page 11).
• The battery pack is discharged. Install charged battery pack (page 13).
• The battery pack is dead. Replace it with a new one.
• Use a recommended battery pack (page 10).
• The lens cover is not fully opened. Open the cover until it clicks.

The power turns off suddenly.

• If you do not operate the camera for about three minutes while the power is on, the camera turns off automatically to prevent wearing down the battery pack. Turn on the camera again (page 15).
• The battery pack is dead. Replace it with a new one.

The battery remaining indicator is incorrect.

• This phenomenon occurs when you use the camera in an extremely hot or cold location.
• The displayed battery remaining differs from the current one. Fully discharge and then charge the battery pack to correct the display.
• The battery pack is discharged. Install the charged battery pack (page 13).
• The battery pack is dead. Replace it with a new one.

Shooting still images/movies

Your camera cannot record images.

• Check the free capacity of the internal memory or "Memory Stick Duo" (page 34). If it is full, do one of the following:
  – Delete unnecessary images (page 20).
  – Change the "Memory Stick Duo".
• When the free capacity of the internal memory is not sufficient, you cannot record images even if the "Memory Stick Duo" has enough capacity. This is because the camera records an Album Image to the internal memory at the same time. Delete unnecessay images.
• You are using the "Memory Stick Duo" with the write-protect switch, and the switch is set to the LOCK position. Set the switch to the recording position.
• You cannot record images while charging the flash.
• The selection of the Movie/Photo mode is not correct. Set the mode using the 🎥/📷 (Movie/Photo) button.

Cannot insert dates on images.

• This camera does not have a feature for superimposing dates on images. However, you can print images with the date superimposed.

Viewing images

Your camera cannot play back images.

• There is not its Album Image because you imported the image from a computer to the camera with the Mass Storage connection. Perform [Scan Images] (page 24).
• The folder/file name has been changed on your computer. Performe [Scan Images] (page 24).
• When an image file has been processed by a computer or when the image file was recorded using a model other than that of your camera, playback on your camera is not guaranteed.
• The camera is in USB mode. Delete the USB connection.

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Precautions

❙ Do not use/store the camera in the following places

- In an extremely hot, cold or humid place
  In places such as in a car parked in the sun, the camera body may become deformed and this may cause a malfunction.
- Under direct sunlight or near a heater
  The camera body may become discolored or deformed, and this may cause a malfunction.
- In a location subject to rocking vibration
- Near strong magnetic place
- In sandy or dusty places
  Be careful not to let sand or dust get into the camera. This may cause the camera to malfunction, and in some cases this malfunction cannot be repaired.

❙ On carrying

Do not sit down in a chair or other place with the camera in the back pocket of your trousers or skirt, as this may cause malfunction or damage the camera.

❙ On cleaning

Cleaning the LCD screen
Wipe the screen surface with an LCD cleaning kit (not supplied) to remove fingerprints, dust, etc.

Cleaning the lens
Wipe the lens with a soft cloth to remove fingerprints, dust, etc.

Cleaning the camera surface
Clean the camera surface with a soft cloth slightly moistened with water, then wipe the surface with a dry cloth. Do not use the following as they may damage the finish or the casing.

- Chemical products such as thinner, benzine, alcohol, disposable cloths, insect repellent, sunscreen or insecticide, etc.
- Do not touch the camera with the above on your hand.
- Do not leave the camera in contact with rubber or vinyl for a long time.

❙ On operating temperatures

Your camera is designed for use under the temperatures between 0°C and 40°C (32°F and 104°F). Shooting in extremely cold or hot places that exceed this range is not recommended.

❙ On moisture condensation

If the camera is brought directly from a cold to a warm location, moisture may condense inside or outside the camera. This moisture condensation may cause a malfunction of the camera.

If moisture condensation occurs
Turn off the camera and wait about an hour for the moisture to evaporate. Note that if you attempt to shoot with moisture remaining inside the lens, you will be unable to record clear images.

❙ On the internal rechargeable backup battery

This camera has an internal rechargeable battery for maintaining the date and time and other settings regardless of whether the power is on or off.

This rechargeable battery is continually charged as long as you are using the camera. However, if you use the camera for only short periods, it discharges gradually, and if you do not use the camera at all for about one month it becomes completely discharged. In this case, be sure to charge this rechargeable battery before using the camera.

However, even if this rechargeable battery is not charged, you can still use the camera as long as you do not record the date and time.

Charging method of the internal rechargeable backup battery
Insert charged battery pack in the camera, or connect the camera to a wall outlet (wall socket) using the AC Adaptor and the Cyber-shot Station, and leave the camera for 24 hours or more with the power off.

Specifications

Camera

[System]

Image device: 7.18 mm (1/2.5 type) color CCD, Primary color filter
Total pixel number of camera: Approx. 6 183 000 pixels
Effective pixel number of camera: Approx. 6 003 000 pixels
Lens: Carl Zeiss Vario-Tessar 3× zoom lens f = 6.33 – 19.0 mm (38 – 114 mm when converted to a 35 mm still camera) F3.5 – 4.3
Exposure control: Automatic exposure, Scene Selection (10 modes)
White balance: Automatic, Daylight, Cloudy, Fluorescent, Incandescent, Flash
File format (DCF compliant):
    Still images: Exif Ver. 2.21 JPEG compliant, DPOF compatible
    Movies: MPEG-4 compliant (Stereo)
Recording media: Internal Memory (approx. 2 GB), "Memory Stick Duo"
Flash range (ISO (Recommended exposure index) set to Auto): approx. 0.1 to 2.8 m (4 inches to 9 feet 2 1/2 inches) (W)/approx. 0.25 to 2.2 m (9 7/8 inches to 7 feet 2 7/8 inches) (T)

[Input and Output connectors]

Multi connector
USB communication: Hi-Speed USB (USB 2.0 compliant)
⌒ (Headphones) jack: Stereo minijack

[LCD screen]

LCD panel: 8.8 cm (3.5 type) TFT drive
Total number of dots: 921 000 (1 920×480) dots

[Power, general]

Power: Rechargeable battery pack NP-FR1, 3.6 V AC-LS5 AC Adaptor, 4.2 V
Power consumption (during shooting): 1.7 W
Operating temperature: 0 to 40°C (32 to 104°F)
Storage temperature: –20 to +60°C (–4 to +140°F)
Dimensions:
    During shooting
    113.8×71.7×25.3 mm (4 1/2×2 7/8×1 inches) (W/H/D, excluding protrusions)
    During viewing
    93.3×71.7×25.3 mm (3 3/4×2 7/8×1 inches) (W/H/D, excluding protrusions)
Mass: Approx. 238 g (8.4 oz) (including NP-FR1 battery pack and wrist strap, etc.)
Microphone: Stereo
Speaker: Monaural (Headphones (not supplied): Stereo)
Exif Print: Compatible
PRINT Image Matching III: Compatible
PictBridge: Compatible

Cyber-shot Station UC-GA

[Input and Output connectors]

A/V OUT (STEREO) jack (Stereo): Minijack Video out, audio out (stereo)
USB jack: mini-B
USB connection: Hi-Speed USB (USB 2.0 Hi-Speed compatible)
DC IN jack
Camera connector

AC Adaptor AC-LS5

Input rating: 100 V to 240 V AC, 50/60 Hz, 11 W
Output rating: 4.2 V DC*
            * See the label on the AC Adaptor for other specifications.
Operating temperature: 0°C to +40°C (+32°F to +104°F)
Storage temperature: –20°C to +60°C (–4°F to +140°F)
Dimensions: Approx. 48×29×81 mm (1 15/16×1 3/16×3 1/4 inches) (W/H/D, excluding projecting parts)
Mass: Approx. 130 g (5.0 oz) excluding power cord (mains lead)

Rechargeable battery pack NP-FR1

Used battery: Lithium-ion battery
Maximum voltage: DC 4.2 V
Nominal voltage: DC 3.6 V
Capacity: 4.4 Wh (1 220 mAh)

Design and specifications are subject to change without notice.

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