

DRAFT

Digital Video Camera Recorder

Operating Instructions

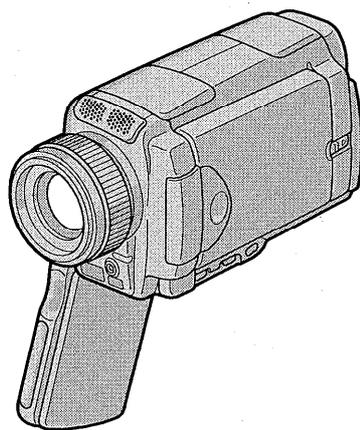
Before operating the unit, please read this manual thoroughly, and retain it for future reference.

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. _____ Model No. **AC-** _____

Serial No. _____ Serial No. _____



DCR-IP45/IP55

Network
Handycam IP

Digital
Handycam IP



MEMORY STICK™



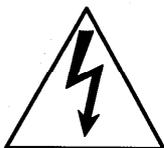
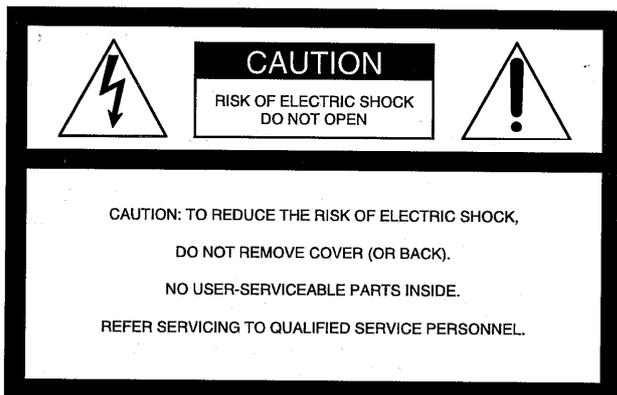
MPEG MOVIE AD

Welcome!

Congratulations on your purchase of this Sony Handycam. With your Handycam, you can capture life's precious moments with superior picture and sound quality. Your Handycam is loaded with advanced features, but at the same time it is very easy to use. You will soon be producing home video that you can enjoy for years to come.

WARNING

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



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.

CAUTION

The use of optical instruments with this product will increase eye hazard. As the laser beam used in this Handycam is harmful to eyes, do not attempt to disassemble the cabinet.

Refer to servicing to qualified personnel only.

For customers in the U.S.A. and CANADA

CAUTION

TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

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.rbr.org/>.

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

DCR-IP55 only

Countries and areas where you can use network functions are restricted. For details, refer to the separate Network Operating Instructions.

IMPORTANT NOTE

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

For customers in the U.S.A.

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

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

The number below is for the FCC related matters only.

Regulatory Information

Declaration of Conformity

Trade Name: SONY ~~IP15~~ **Delete**
Model No.: DCR-~~IP15~~ IP55
Responsible Party: Sony Electronics Inc.
Address: 680 Kinderkamack
Road, Oradell,
NJ07649 U.S.A.
Telephone No.: 201-930-6972

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.

"Memory Stick"

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

CAUTION

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

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 customers in CANADA

"Memory Stick"

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

The term "IC" before the equipment certification number only signifies that the Industry Canada technical specifications were met.

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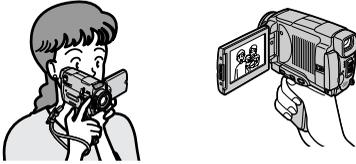
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Main Features

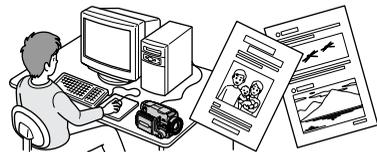
Recording moving picture or still images, and playing them back



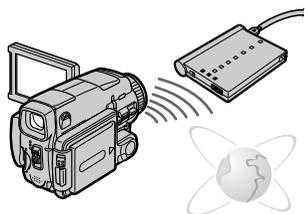
- Recording moving pictures on tapes (p. xx)
- Playing back tapes (p. xx)
- Recording still images on “Memory Stick”s (p. xx)
- Recording moving pictures on “Memory Stick”s (p. xx)
- Viewing still images recorded on “Memory Stick”s (p. xx)
- Viewing moving pictures on “Memory Stick”s (p. xx)

- Viewing moving pictures recorded on tapes using the i.LINK cable (p.xx)
- Viewing images recorded on “Memory Stick”s using the USB cable (p. xx)
- Viewing moving pictures recorded on tapes using the USB cable (p. xx)
- Capturing images on your computer from your camcorder using the USB cable (p. xx)

Capturing images on your computer



Accessing the Internet via a Bluetooth equipped device (DCR-IP55 only)



Accessing the Internet, sending/receiving your e-mail. For details, refer to the Network Function Operating Instructions supplied with your camcorder. (DCR-IP55 only) (p. xx)

Other uses

Functions to adjust exposure in the recording mode

- Back light (p. xx)
- NightShot/Super NightShot/Color Slow Shutter (p. xx)
- Recording with the flash (p.xx)
- PROGRAM AE (p. xx)
- White balance (p. xx)
- Adjusting the exposure manually (p. xx)
- Flexible Spot Meter (p. xx)
- HOLOGRAM AF (p. xx)

Functions to give images more impact

- Digital zoom [MENU] (p. xx) The default setting is set to **OFF**. (To zoom greater than 10x, select the digital zoom power in **D ZOOM** in the menu settings.)
- Fader (p. xx)
- Picture effect (p. xx)
- Digital effect (p. xx)
- Title (p. xx, xx)
- MEMORY MIX (p. xx)

Functions to give a natural appearance to your recordings

- Sports lesson mode (p. xx)
- Landscape mode (p. xx)
- Manual focus (p. xx)
- Spot Focus

Functions to use after recording

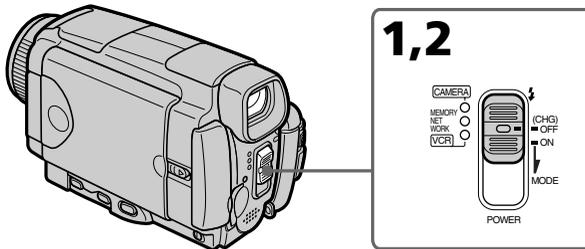
- END SEARCH (p. xx)
- DATA CODE (p. xx)
- Multi-picture search (p.xx)
- Tape PB ZOOM (p. xx)
- TITLE SEARCH (p. xx)

Introduction – Basic operations

This section describes the basic operations to operate the camcorder.

How to turn on the power and select the mode

To supply power for the camcorder, see “Quick Start Guide” on page xx.



- (1) Slide the POWER switch down while pressing the small green button, then release your finger.
The camcorder is turned on, and then the camcorder turns to the CAMERA mode so that the CAMERA lamp lights up.
- (2) Slide the POWER switch down. Each time you slide it down, the mode changes as follows and corresponding mode lamp also lights up.

CAMERA Use this mode when you record on a tape.

MEMORY/NETWORK (DCR-IP55)/MEMORY (DCR-IP45)

MEMORY: Use this mode when you record on a “Memory Stick,” or play back or edit an image in a “Memory Stick.”

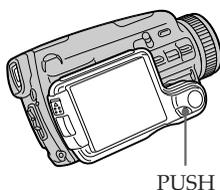
NETWORK (DCR-IP55 only): Use this mode when you use the network function. For details, refer to the supplied network function operating instructions.

VCR Use this mode when you play back or edit an image recorded on a tape or “Memory Stick”.

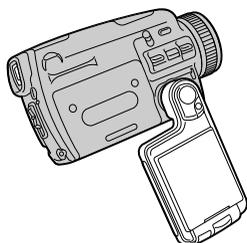
Grip position

The grip on this camcorder can be moved to three positions. Turn the grip to the desired position depending on your purpose. Move the grip while pressing PUSH.

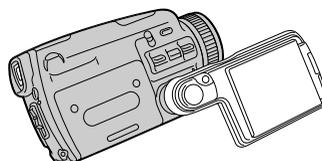
Storing position



Recording position



Cassette inserting/ ejecting position



Storing position

While pressing PUSH, turn the grip to this position when you store your camcorder.

Recording position

While pressing PUSH, turn the grip to this position, and hold your camcorder through the wrist strap to prevent the camera from dropping.

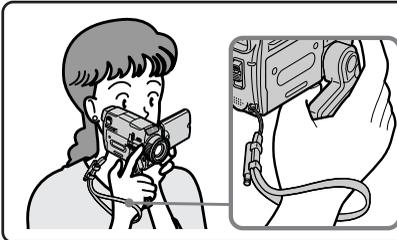
Cassette inserting/ejecting position

While pressing PUSH, turn the grip to this position so that the cassette lid can be seen completely.

Notes

- When inserting or ejecting the cassette, be sure to turn the grip to the cassette inserting/ejecting position. Otherwise, the cassette cannot be inserted or ejected.
- Be careful not to catch your finger between the grip and the camcorder body.

Quick Start Guide – Recording on a tape

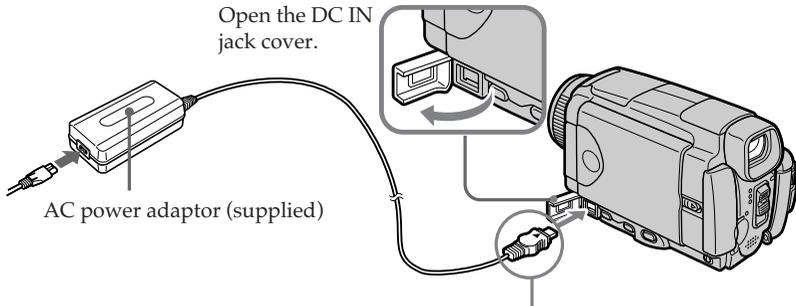


This chapter introduces you to the basic features to record pictures on tapes of your camcorder. See the page in parentheses “()” for more information.

While pressing PUSH, turn the grip to the recording position, and hold your camcorder through the wrist strap to prevent the camera from dropping as illustrated.

1 Connecting the mains lead (p. XX)

Use the battery pack when using your camcorder outdoors (p. XX).



Open the DC IN jack cover.

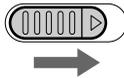
AC power adaptor (supplied)

Connect the plug with its ▲ mark facing up.

2 Inserting a cassette (p. XX)

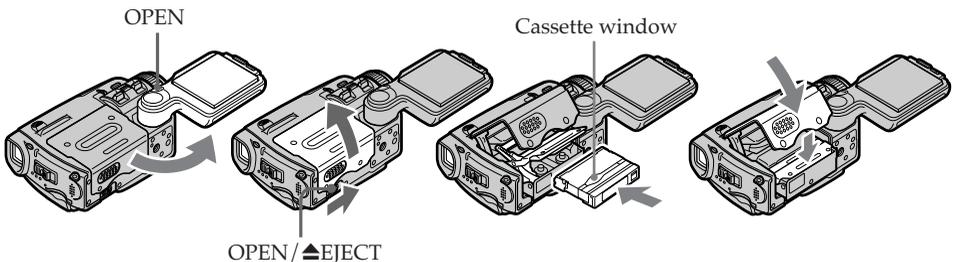
1 While pressing PUSH, turn the grip to the cassette inserting / ejecting position. Otherwise, the cassette cannot be inserted or ejected.

2 Slide OPEN / ▲EJECT in the direction of the arrow and open the lid.



3 Push the middle portion of the back of the cassette into the cassette compartment. Insert the cassette in a straight line deeply into it with the cassette window facing out.

4 Press the cassette compartment lightly to close. After the cassette compartment goes down completely, close the lid until it clicks.



OPEN

Cassette window

OPEN / ▲EJECT

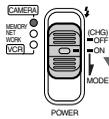
3 Recording a picture (p. XX)

Viewfinder

When the LCD panel is closed, use the viewfinder. Adjust the viewfinder lens to your eyesight (p. XX).

- Slide OPEN in the direction of the arrow indicated on the camcorder to open the LCD panel. The picture appears on the screen.

- Set the POWER switch to CAMERA. The CAMERA lamp lights up.



- Remove the lens cap.

- Press START/STOP. Your camcorder starts recording. To stop recording, press START/STOP again.



- While pressing PUSH, turn the grip to the recording position, and hold your camcorder through the wrist strap.

When you purchase your camcorder, the clock setting is not set up yet. Set the clock setting before recording (p. XX).

4 Monitoring the playback picture on the LCD screen (p. XX)

- Press of the touch panel to rewind the tape.



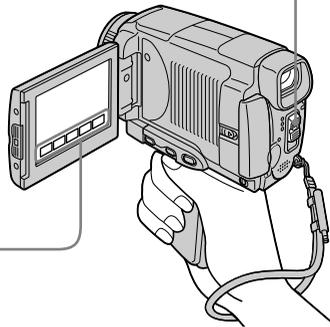
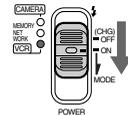
- Press of the touch panel to start playback.



NOTE

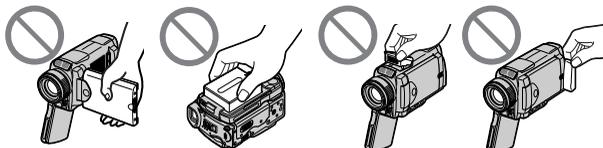
When using the touch panel, press operation buttons lightly with your thumb or the supplied stylus supporting the LCD screen from the rear of it. Do not press the LCD screen with sharp objects other than the stylus supplied (DCR-IP55 only).

- Set the POWER switch to VCR. The VCR lamp lights up.

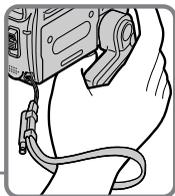


NOTE

Do not pick up your camcorder by the LCD panel, the battery pack, the flash or the jack cover.



Quick Start Guide – Recording on a “Memory Stick”



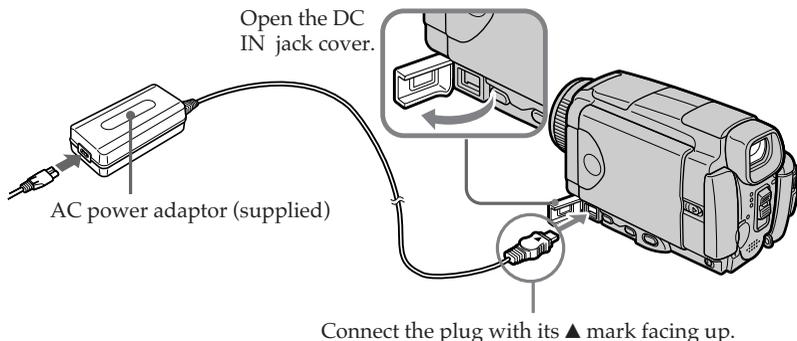
This chapter introduces you to the basic features to record on a “Memory Stick” of your camcorder. See the page in parentheses “()” for more information.

While pressing PUSH, turn the grip to the recording position, and hold your camcorder through the wrist strap to prevent the camera from dropping as illustrated.

1

Connecting the mains lead (p. xx)

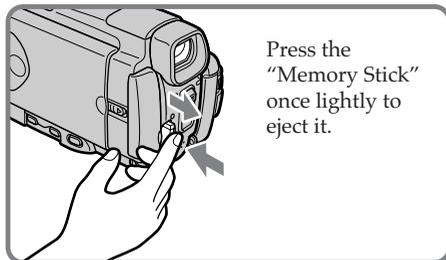
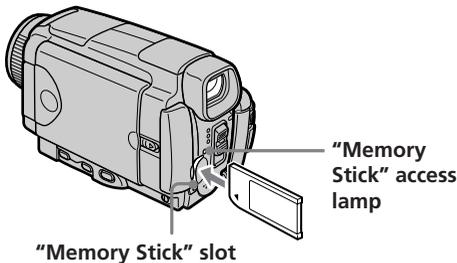
Use the battery pack when using your camcorder outdoors (p. xx).



2

Inserting a “Memory Stick” (p. xx)

Position the ► mark on the “Memory Stick” as illustrated and insert a “Memory Stick” in the “Memory Stick” slot as far as it can go.



NOTE

Do not shake or strike your camcorder because your camcorder is reading the data from the “Memory Stick” or recording the data on the “Memory Stick.” Do not turn the power off, eject a “Memory Stick” or remove the battery pack. Otherwise, the image data breakdown may occur.

3

Recording a still image on a "Memory Stick" (p. xx)

Viewfinder

When the LCD panel is closed, use the viewfinder. Adjust the viewfinder lens to your eyesight (p. xx).

4 Slide OPEN in the direction of the arrow indicated on the camcorder to open the LCD panel. The picture appears on the screen.

3 Set the POWER switch to MEMORY / NETWORK for DCR-IP55 (MEMORY for DCR-IP45). The MEMORY / NETWORK or MEMORY lamp lights up.

When you purchase your camcorder, the clock setting is not set up yet. If you want to record the date and time for a picture, set the clock setting before recording (p. xx).

1 Remove the lens cap.

5 Pressing PHOTO lightly.

6 Press PHOTO deeper.

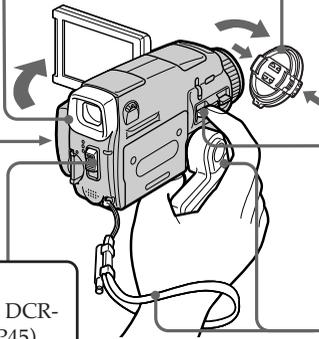


PHOTO



PHOTO

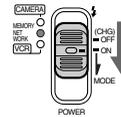
2 While pressing PUSH, turn the grip to the recording position, and hold your camcorder through the wrist strap.



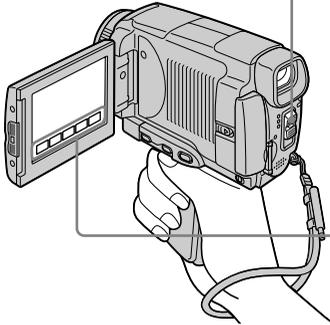
4

Monitoring the still image on the LCD screen (p. xx)

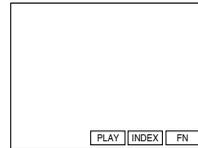
1 Set the POWER switch to MEMORY / NETWORK for DCR-IP55 (MEMORY for DCR-IP45). The MEMORY / NETWORK or MEMORY lamp lights up.



POWER



2 Press PLAY. The last recorded image is displayed



NOTE

Do not pick up your camcorder by the LCD panel, the battery pack, the flash or the jack cover.



Using this manual

The instructions in this manual are for the two models listed in the table below. Before you start reading this manual and operating your camcorder, check the model number by looking at the bottom of your camcorder. The DCR-IP55 is the model used for illustration purposes. Otherwise, the model name is indicated in the illustrations. Any differences in operation are clearly indicated in the text, for example, “DCR-IP55 only”.

As you read through this manual, buttons and settings on your camcorder are shown in capital letters.

e.g. Set the POWER switch to CAMERA.

When you carry out an operation, you can hear a beep to indicate that the operation is being carried out.

Types of differences

DCR-	IP45	IP55
MODE positions on the POWER switch	CAMERA MEMORY VCR	CAMERA MEMORY/NETWORK VCR
Network function	—	●

- Provided
- Not provided

Note on the MICROMV format

Your camcorder is based on the MICROMV format. You can only use MICROMV cassettes with your camcorder.

- Records and plays back for about 60 minutes with equal quality when compared to DV (digital video).
- The Micro Cassette Memory feature is provided with all MICROMV cassettes. The camcorder can access any scene easily using the memory (Multi-picture search function).
- Adopts the MPEG2 format as a data compression method. This format is the same as the one for DVD (digital video disc).

Note on TV color systems

TV color systems differ from country to country. To view your recordings on a TV set, you need a NTSC system-based TV.

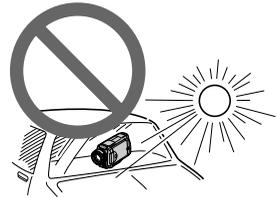
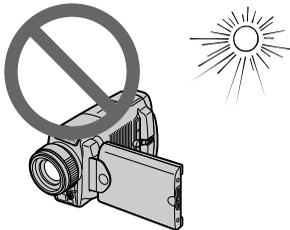
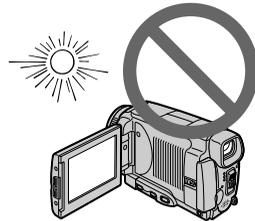
Copyright precautions

Television programmes, films, video tapes, and other materials may be copyrighted. Unauthorized recording of such materials may be contrary to the provision of the copyright laws.

Precautions on camcorder care

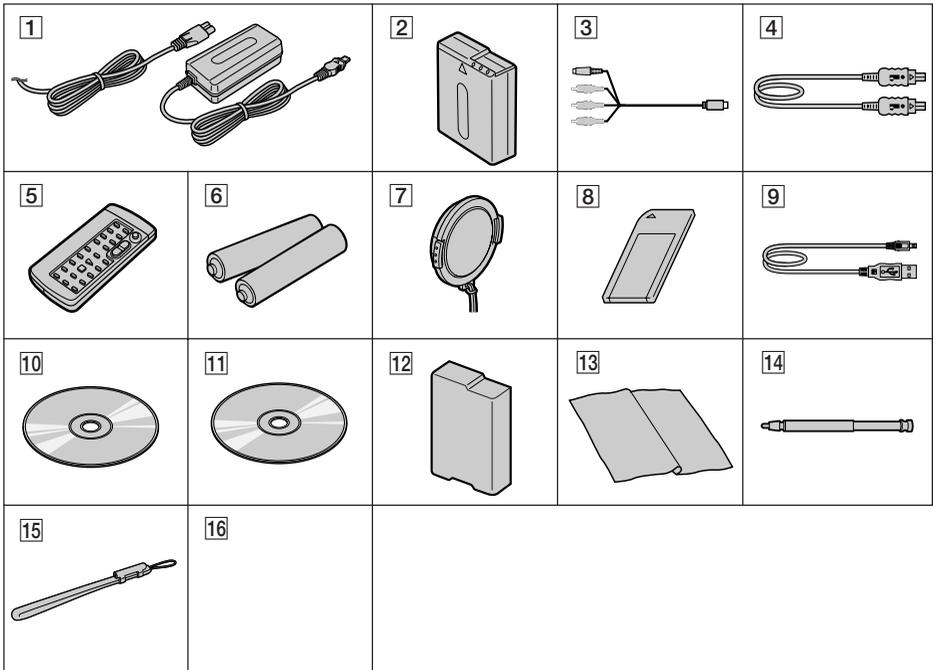
Lens and LCD screen/finder

- The LCD screen and the finder are 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 and the finder. These points are normal in the manufacturing process and do not affect the recording in any way.
- Do not let your camcorder get wet. Keep your camcorder away from rain and sea water. Letting your camcorder get wet may cause your camcorder to malfunction. Sometimes this malfunction cannot be repaired **[a]**.
- Never leave your camcorder exposed to temperatures above 60 °C (140 °F), such as in a car parked in the sun or under direct sunlight **[b]**.
- Be careful when placing the camera near a window or outdoors. Exposing the LCD screen, the finder or the lens to direct sunlight for long periods may cause malfunctions **[c]**.
- Do not directly shoot the sun. Doing so might cause your camcorder to malfunction. Take pictures of the sun in low light conditions such as dusk **[d]**.

[a]**[b]****[c]****[d]**

Checking supplied accessories

Make sure that the following accessories are supplied with your camcorder.



1 AC-L20A AC power adaptor (1), the power cord (1) (p. XX)

2 NP-FF50 battery pack (1) (p. XX, XX)

3 A/V connecting cable (1) (p. XX)

4 i.LINK cable* (1) (p. XX)

5 Wireless Remote Commander (1) (p. XX)

6 Size AA (R6) batteries for Remote Commander (2) (p. XX)

7 Lens cap (1) (p. XX)

8 "Memory Stick" (1) (p. XX)

9 USB cable* (1) (p. XX)

10 CD-ROM (SPVD-008 USB Driver) (1) (p. XX)

11 CD-ROM (Movie Shaker Ver.3.1 for MICROMV) (1) (p. XX)

12 Battery terminal cover (1) (p. XX)

13 Cleaning cloth (1) (p. XX)

14 Styrus (DCR-IP55 only)

15 Wrist strap (1) (p. XX)

16 2-pin adaptor** (1) (p. XX)

* Canada and Asia models only

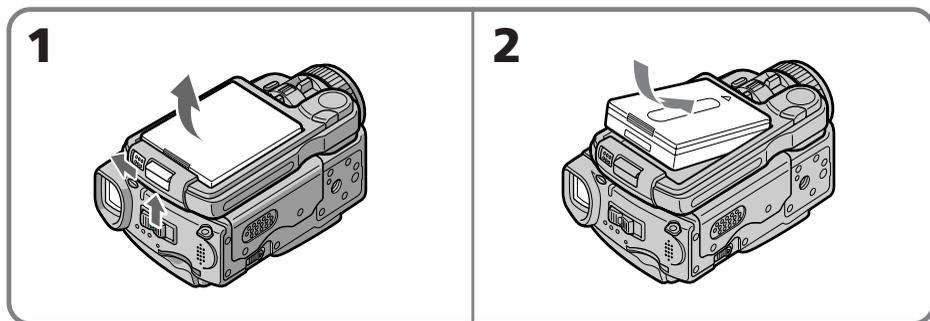
** Asia model only

Contents of the recording cannot be compensated if recording or playback is not made due to a malfunction of the camcorder, storage media, etc.

Step 1 Preparing the power supply

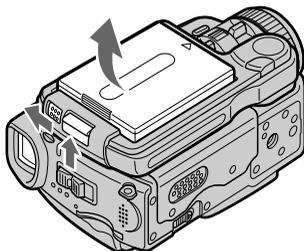
Installing the battery pack

- (1) While sliding → in the direction of the arrow, lift BATT (battery) RELEASE to release the battery terminal cover.
- (2) Insert the battery pack in the direction of the arrow until it clicks.



To remove the battery pack

The battery pack is removed in the same way as the battery terminal cover.



Note on the battery terminal cover

To protect the battery terminals, install the battery terminal cover after the battery pack is removed.

Step 1 Preparing the power supply

Charging the battery pack

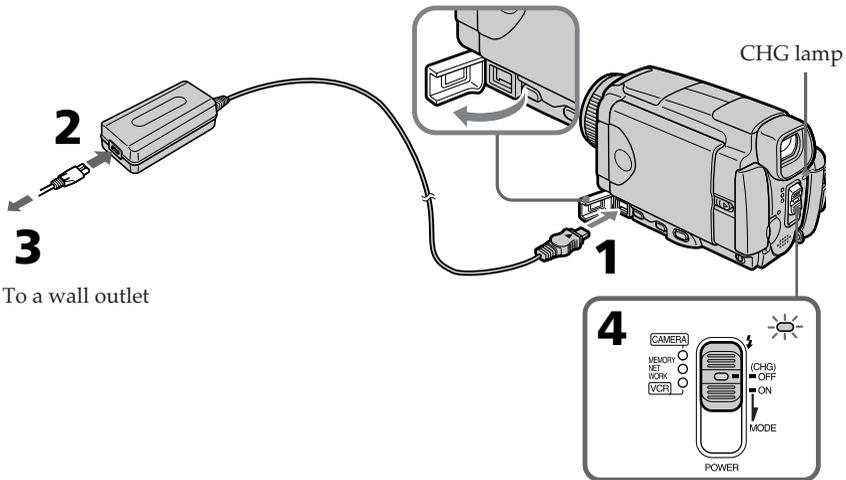
Charge the battery pack before using your camcorder.

Your camcorder operates only with the **"InfolITHIUM" battery pack (F series)**.

See page XX for details of the "InfolITHIUM" battery pack.

- (1) Open the DC IN jack cover and connect the supplied AC power adapter to the DC IN jack on your camcorder with the plug's ▲ mark facing up.
- (2) Connect the power cord to the AC power adapter.
- (3) Connect the power cord to a wall outlet.
- (4) Set the POWER switch to OFF (CHG).

The CHG lamp lights up when the charge begins. After charging is completed, the CHG lamp goes off (full charge).



After charging the battery pack

Disconnect the AC power adaptor from the DC IN jack on your camcorder.

Note

Prevent metallic objects from coming into contact with the metal parts of the DC plug of the AC power adaptor. This may cause a short-circuit, damaging the AC power adaptor.

Step 1 Preparing the power supply

While charging the battery pack, the CHG lamp flashes in the following cases:

- The battery pack is not installed correctly.
- Something is wrong with the battery pack.

When you use the AC power adaptor

Place the AC power adaptor near the wall outlet. If any trouble occurs with this unit, disconnect the plug from the wall outlet as soon as possible to cut off the power.

Charging time

Battery pack	Full charge
NP-FF50 (supplied)	120
NP-FF70	150

Approximate minutes at 25°C (77°F) to charge an empty battery pack

The charging time may increase if the battery's temperature is extremely high or low because of the ambient temperature.

Recording time

Battery pack	Recording with the viewfinder		Recording with the LCD screen			
			Backlighting on		Backlighting off	
	Continuous	Typical*	Continuous	Typical*	Continuous	Typical*
NP-FF50 (supplied)	80	45	65	35	80	45
NP-FF70	170	100	140	80	170	100

Approximate minutes when you use a fully charged battery

* Approximate recording time when you repeat recording start/stop, zooming and turning the power on/off. The actual battery life may be shorter.

Playing time

Battery pack	Playing time on LCD screen	Playing time with LCD closed
NP-FF50 (supplied)	65	80
NP-FF70	135	165

Approximate minutes when you use a fully charged battery

Step 1 Preparing the power supply

Note

Approximate recording time and continuous playing time at 25 °C (77 °F). The battery life will be shorter if you use your camcorder in a cold environment.

If the power goes off although the battery remaining indicator indicates that the battery pack has enough power to operate

Charge the battery pack fully again so that the indication on the battery remaining indicator is correct.

Recommended charging temperature

We recommend charging the battery pack in an ambient temperature of between 10 °C to 30 °C (50 °F to 86 °F).

What is "InfoLITHIUM"?

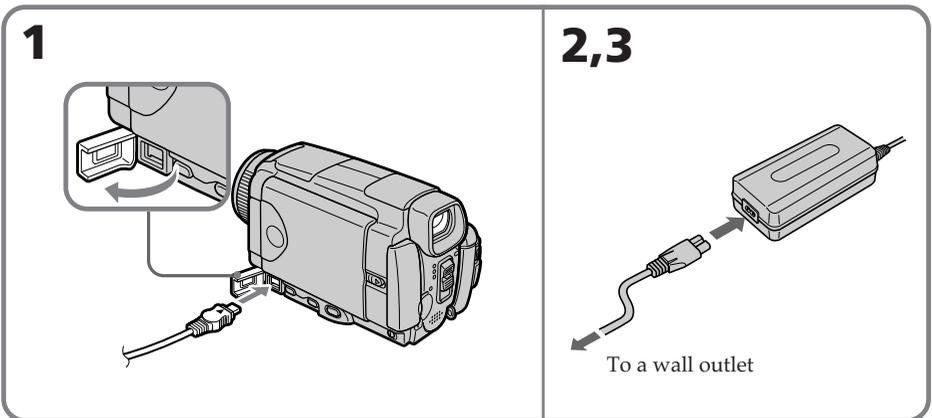
The "InfoLITHIUM" is a lithium ion battery pack which can exchange data such as battery consumption with compatible electronic equipment. This unit is compatible with the "InfoLITHIUM" battery pack (F series). Your camcorder operates only with the "InfoLITHIUM" battery. "InfoLITHIUM" F series battery packs have the  mark.

"InfoLITHIUM" is a trademark of Sony Corporation.

Connecting to a wall outlet

When you use your camcorder for a long time, we recommend that you power it from a wall outlet using the AC power adaptor.

- (1) Open the DC IN jack cover and connect the supplied AC power adaptor to the DC IN jack on your camcorder with the plug's ▲ mark facing up.
- (2) Connect the power cord to the AC power adaptor.
- (3) Connect the power cord to a wall outlet.



Step 1 Preparing the power supply

PRECAUTION

The camcorder is not disconnected from the AC power source (house current) as long as it is connected to a wall outlet, even if the camcorder itself has been turned off.

Notes

- The AC power adaptor can supply power even if the battery pack is attached to your camcorder.
- The DC IN jack has “source priority.” This means that the battery pack cannot supply any power if the power cord is connected to the DC IN jack, even when the power cord is not plugged into a wall outlet.
- Prevent metallic objects from coming into contact with the metal parts of the DC plug of the AC power adaptor. This may cause a short-circuit, damaging the AC power adaptor.

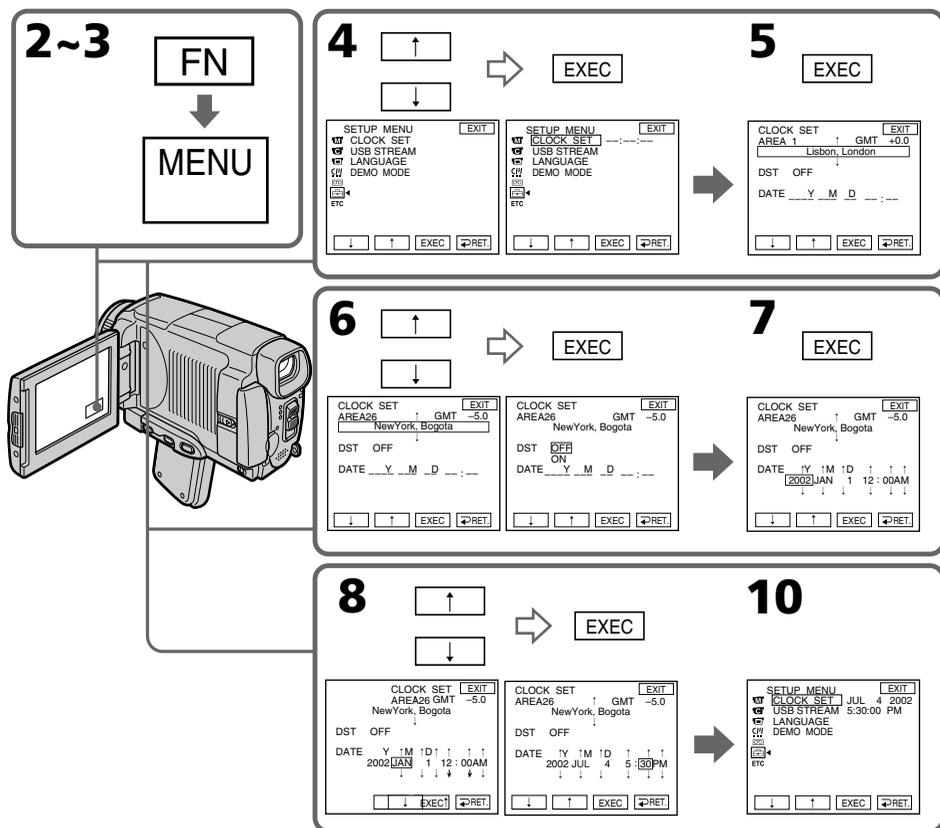
Step 2 Setting the date and time

Set the date and time when you use your camcorder for the first time. "CLOCK SET" will be displayed each time you set the POWER switch to CAMERA or MEMORY / NETWORK for DCR-IP55 (MEMORY for DCR-IP45) unless you set the date and time settings.

If you do not use your camcorder for about three months, the date and time settings may be released (bars may appear) because the built-in rechargeable battery installed in your camcorder will have been discharged (p. xxx).

First, set your area, then the daylight saving time (DST), the year, the month, the day, the hour and the minute.

- (1) Set the POWER switch to CAMERA or MEMORY / NETWORK for DCR-IP55 (MEMORY for DCR-IP45).
- (2) Press FN (Function) to display PAGE1 (p. xx).
- (3) Press MENU to display the menu.
- (4) Select  with ↓/↑, and press EXEC.
- (5) Select CLOCK SET with ↓/↑, and press EXEC.
- (6) Select your area with ↓/↑, and press EXEC.
- (7) Select whether your area is in daylight saving time or not, and press EXEC.
- (8) Select the desired year with ↓/↑, and press EXEC.
- (9) Set the month, day and hour with the same procedure as step 8.
- (10) Set the minute with ↓/↑, and press EXEC by the time signal. The clock starts to move.



2~3 FN
↓
MENU

4 ↑
↓
EXEC

5 EXEC

6 ↑
↓
EXEC

7 EXEC

8 ↑
↓
EXEC

10 EXEC

SETUP MENU [EXIT]
CLOCK SET [EXIT]
USB STREAM [EXIT]
LANGUAGE [EXIT]
DEMO MODE [EXIT]
etc

SETUP MENU [EXIT]
CLOCK SET [EXIT]
USB STREAM [EXIT]
LANGUAGE [EXIT]
DEMO MODE [EXIT]
etc

CLOCK SET [EXIT]
AREA 1 [EXIT] GMT +0.0
Lisbon, London
DST OFF
DATE _ Y _ M _ D _ : _ : _

CLOCK SET [EXIT]
AREA26 [EXIT] GMT -5.0
NewYork, Bogota
DST OFF
DATE _ Y _ M _ D _ : _ : _

CLOCK SET [EXIT]
AREA26 [EXIT] GMT -5.0
NewYork, Bogota
DST OFF
DATE :Y :M :D : : : :
2002 JAN 1 12 : 00AM

CLOCK SET [EXIT]
AREA26 [EXIT] GMT -5.0
NewYork, Bogota
DST OFF
DATE :Y :M :D : : : :
2002 JUL 4 5 : 30PM

SETUP MENU [EXIT]
CLOCK SET [EXIT] JUL 4 2002
5:30:00 PM
USB STREAM [EXIT]
LANGUAGE [EXIT]
DEMO MODE [EXIT]
etc

Step 2 Setting the date and time

The year changes as follows:



To return to FN (Function)

Press EXIT.

Note

Instead of DST SET, SUMMERTIME is displayed on the screen for some models.

If you do not set the date and time

"-----" and "--:--:" are recorded on the tape or the "Memory Stick" as the data code.

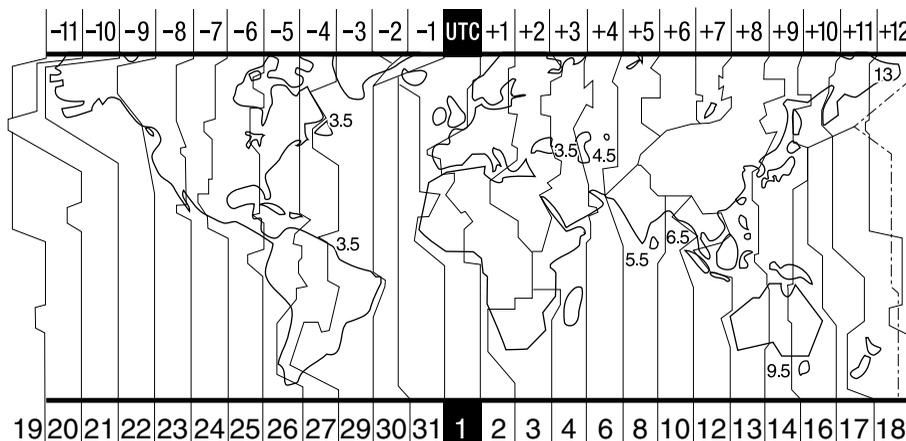
Note on the time indicator

The internal clock of your camcorder operates on a 12-hour cycle.

- 12:00 AM stands for midnight.
- 12:00 PM stands for noon.

Simple setting of clock by time difference

You can easily set the clock to the local time by setting a time difference. Set up the AREA SET and DST SET items in the menu settings.



Step 2 Setting the date and time

Area code	Time-zone differences	Area setting
1	GMT	Lisbon, London
2	GMT+01:00	Berlin, Paris
3	GMT+02:00	Helsinki, Cairo
4	GMT+03:00	Moscow, Nairobi
5	GMT+03:30	Tehran
6	GMT+04:00	Abu Dhabi, Baku
7	GMT+04:30	Kabul
8	GMT+05:00	Karachi, Islamabad
9	GMT+05:30	Calcutta, New Delhi
10	GMT+06:00	Almaty, Dhaka
11	GMT+06:30	Rangoon
12	GMT+07:00	Bangkok, Jakarta
13	GMT+08:00	HongKong, Singapore
14	GMT+09:00	Seoul, Tokyo
15	GMT+09:30	Adelaide, Darwin
16	GMT+10:00	Melbourne, Sydney
17	GMT+11:00	Solomon Is
18	GMT+12:00	Fiji, Wellington

Area code	Time-zone differences	Area setting
19	GMT-12:00	Eniwetok, Kwajalein
20	GMT-11:00	Midway Is., Samoa
21	GMT-10:00	Hawaii
22	GMT-09:00	Alaska
23	GMT-08:00	LosAngeles, Tijuana
24	GMT-07:00	Denver, Arizona
25	GMT-06:00	Chicago, Mexico City
26	GMT-05:00	New York, Bogota
27	GMT-04:00	Santiago
28	GMT-03:30	St. John's
29	GMT-03:00	Brasilia, Montevideo
30	GMT-02:00	Fernando de Noronha
31	GMT-01:00	Azores

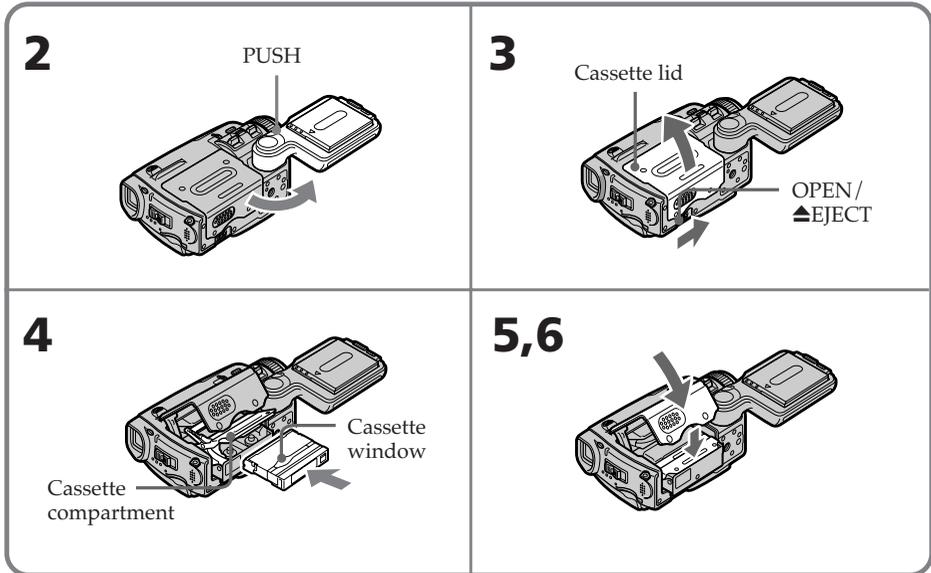
To set your local time

Select AREA from the menu, then press EXEC. Next, select the country or area where you stay in, using the table above, then press EXEC.

Step 3 Inserting a cassette

- (1) Prepare the power source.
- (2) While pressing PUSH, turn the grip to the cassette inserting/ejecting position.
- (3) Slide OPEN/▲EJECT in the direction of the arrow and open the lid. The cassette compartment automatically lifts up and opens.
- (4) Push the middle portion of the back of the cassette into the cassette compartment. Insert the cassette in a straight line deeply into it with the cassette window facing out.
- (5) Press the cassette compartment lightly to close. The cassette compartment automatically goes down.
- (6) After the cassette compartment goes down completely, close the lid until it clicks.

Getting started



To eject a cassette

Follow the procedures above, and take out the cassette in step 3.

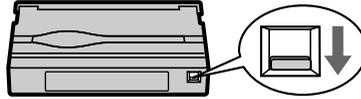
Step 3 Inserting a cassette

Notes

- Do not press the cassette compartment down. Doing so may cause malfunction.
- Be sure to turn the grip to the cassette inserting/ejecting position. Otherwise, the cassette cannot be inserted or ejected.
- Be careful not to catch your finger between the grip and the camcorder body.

To prevent accidental erasure

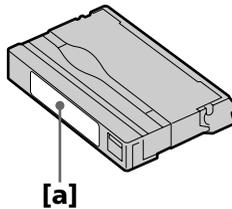
Slide the write-protect tab on the cassette to expose the red mark.



Note on the label

Labels may cause a malfunction of the camcorder. Therefore, be sure not to:

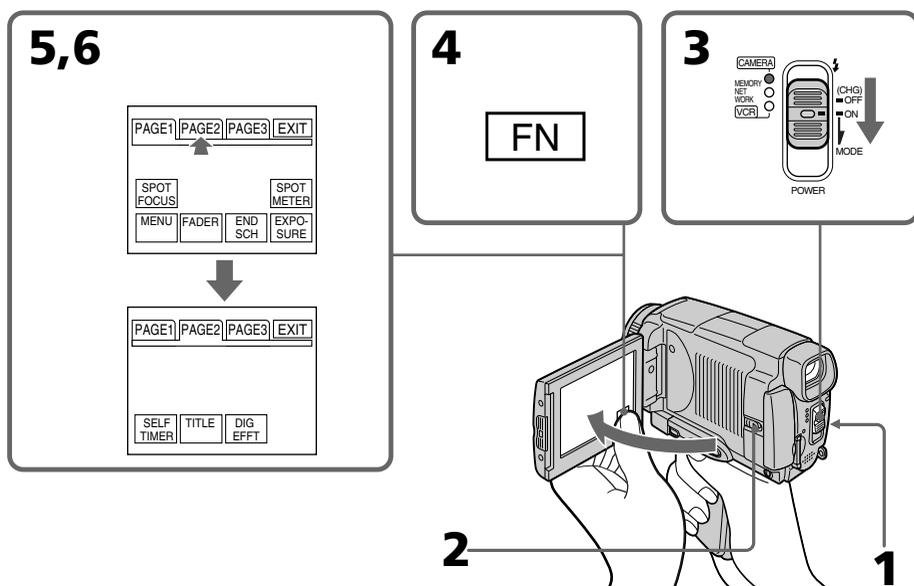
- Stick on any labels than the one supplied.
- Stick the label onto any part of the cassette other than the label position **[a]**.



Step 4 Using the touch panel

Your camcorder has operation buttons on the LCD screen. Touch the LCD panel directly to operate each function.

- (1) Prepare the power source.
- (2) Slide OPEN in the direction of the arrow indicated on the camcorder to open the LCD panel.
- (3) Set the POWER switch to CAMERA, VCR or MEMORY / NETWORK for DCR-IP55 (MEMORY for DCR-IP45).
- (4) Press FN. The operation buttons appear on the LCD screen.
- (5) Press PAGE2 to go to PAGE2. The operation buttons appear on the LCD screen.
- (6) Press PAGE3 to select PAGE3. The operation buttons appear on the LCD screen.
- (7) Press a desired operation item. See relevant pages of this manual for each function.



To return to FN

Press EXIT.

To execute settings

Press EXEC or OK. The display returns to PAGE1, 2 or 3.

To cancel settings

Press OFF. The display returns to PAGE1, 2 or 3.

Step 4 Using the touch panel

Notes

- When using the touch panel, press the operation buttons with your thumb or the supplied styruus (DCR-IP55 only) supporting the LCD screen from the back side of it.
- Do not press the operation buttons with sharp objects other than the stylus supplied (DCR-IP55 only).
- Do not press the LCD screen too hard.
- Do not touch the LCD screen with wet hands.
- If FN is not on the LCD screen, touch the LCD screen lightly to make it appear. You can make the display appear and disappear with DISPLAY/TOUCH PANEL on your camcorder.
- When the operation buttons do not work even if you press them, an adjustment is required (CALIBRATION) (p. xx).
- When the LCD screen gets dirty, use the supplied cleaning cloth.

When executing each item

The green bar appears above the item.

If an item is not available

The color of the items changes to grey.

Touch panel

You can operate with the touch panel using the viewfinder (p. xx).

Press FN to display the following buttons:

In CAMERA mode

PAGE1	SPOT FOCUS, MENU, FADER, END SCH, SPOT METER, EXPOSURE
PAGE2	SELF TIMER, TITLE, DIG EFFT, MEM MIX
PAGE3	LCD BRT, VOL, COUNT RESET

In VCR mode

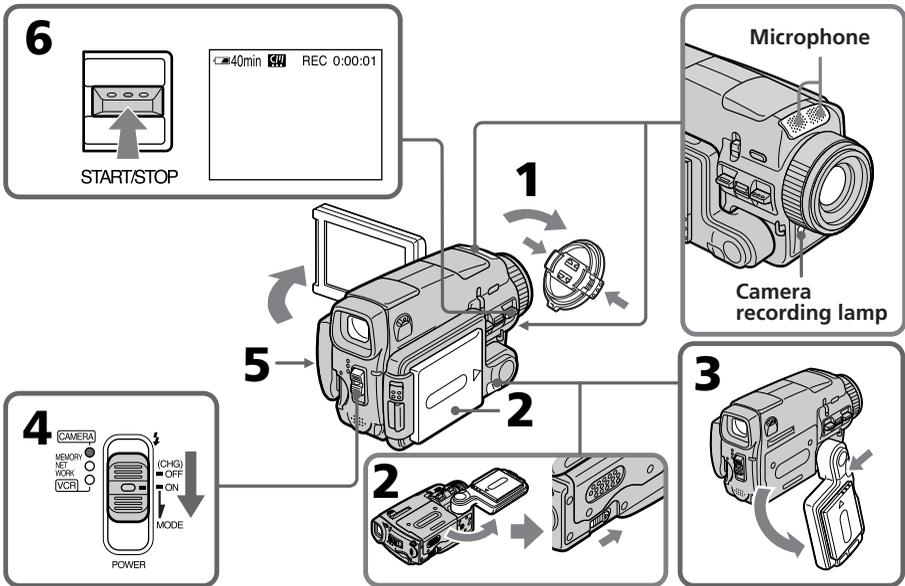
PAGE1	MENU, VOL, TITLE, MULTI SRCH
PAGE2	LCD BRT, DIG EFFT, PB ZOOM, END SCH
PAGE3	DATA CODE, COUNT RESET, REC CTRL

See p. xx when you set the POWER switch to MEMORY / NETWORK for DCR-IP55 (MEMORY for DCR-IP45).

Recording a picture

Your camcorder automatically focuses for you.

- (1) Remove the lens cap.
- (2) Install the power source and insert a cassette. See “Step 1 Preparing the power supply” (p.XX) and “Step 3 Inserting a cassette” (p.XX) for more information.
- (3) While pressing PUSH, turn the grip to the recording position, and hold your camcorder through the wrist strap.
- (4) Set the POWER switch to CAMERA. Your camcorder is set to the recording standby mode.
- (5) Slide OPEN in the direction of the arrow indicated on the camcorder to open the LCD panel. The picture disappears from the finder and appears on the LCD screen.
- (6) Press START/STOP. Your camcorder starts recording. The REC indicator appears. The camera recording lamp located on the front of your camcorder lights up. To stop recording, press START/STOP again.



Recording a picture

After recording

- (1) Set the POWER switch to OFF (CHG).
- (2) Close the LCD panel and while pressing PUSH, turn the grip to the cassette inserting/ejecting position.
- (3) Eject the cassette.
- (4) While pressing PUSH, turn the grip to the storing position.
- (5) Remove the power source.

Note

Do not touch the built-in microphone during recording.

To enable transition

Transition between the last scene you recorded and the next scene can be performed as long as you do not eject the cassette even if you turn off your camcorder. When you want to change the battery pack, be sure to set the POWER switch to OFF (CHG). It does not affect transition.

Note

The recording data (date/time or various settings when recorded) are not displayed while recording. However, they are recorded automatically onto the tape. To display the recording data, press DATA CODE during playback. You can also use the Remote Commander for this operation (p. xx).

If you leave your camcorder in the standby mode for five minutes while the cassette is inserted

Your camcorder automatically turns off. This is to save battery power and to prevent battery and tape wear. To resume the standby mode, set the POWER switch to OFF (CHG), and to ON again. However, your camcorder does not turn off automatically while the cassette is not inserted.

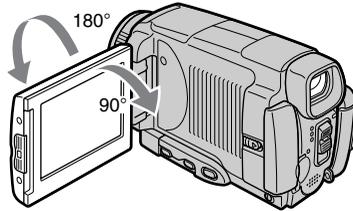
The battery life when you record using the LCD screen

The battery time is slightly shorter than the shooting time using the viewfinder.

Recording a picture

Adjusting the LCD screen

The LCD panel moves about 90 degrees to the viewfinder side and about 180 degrees to the lens side.



When closing the LCD panel, set it vertically, and swing it into the camcorder body.

Note

When using the LCD screen except in the mirror mode (p. xx), the viewfinder automatically turns off.

When you use the LCD screen outdoors in direct sunlight

The LCD screen may be difficult to see. If this happens, we recommend that you use the viewfinder.

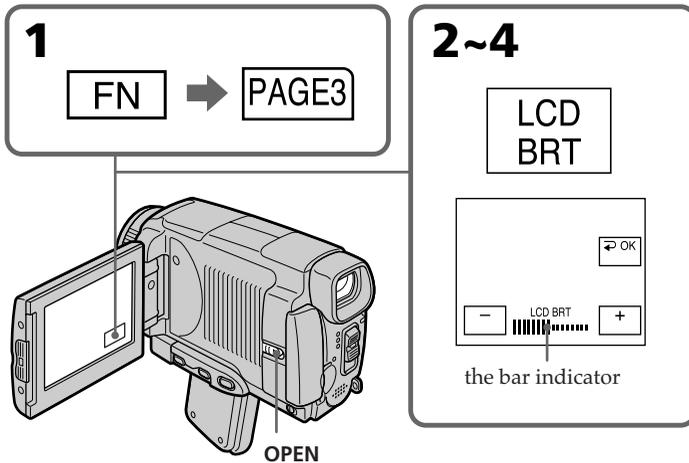
When you adjust the angle of the LCD panel

Make sure the LCD panel is opened up to 90 degrees.

Recording a picture

Adjusting the brightness of the LCD screen

- (1) Set the POWER switch to CAMERA. Press FN and select PAGE3.
You can also adjust the brightness of the LCD screen in the following operations.
Set the POWER switch to VCR. Press FN and select PAGE2.
Set the POWER switch to MEMORY/NETWORK for DCR-IP55 (MEMORY for DCR-IP45). Press FN and select PAGE3.
- (2) Press LCD BRT. The screen to adjust the brightness of the LCD screen appears.
- (3) Adjust the brightness of the LCD screen using -/+.
- : to dim
+ : to brighten
- (4) Press \rightarrow OK. The display returns to PAGE3.



To return to FN

Press EXIT.

The color of the LCD screen

You can adjust it using the LCD COLOR item in the menu settings (p. xx).

Even if you adjust the screen using LCD BRT, LCD COLOR, or the LCD screen backlight

The recorded picture will not be affected.

The setting of the LCD BACKLIGHT switch

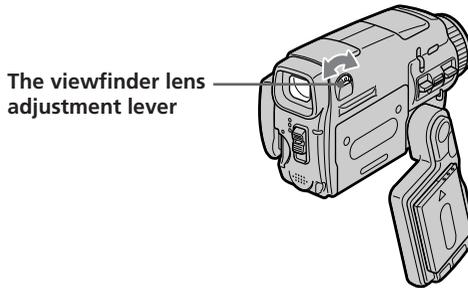
Normally, set it to ON. When you use the camcorder in bright conditions using the battery pack, set it to OFF. This position saves battery power.

Recording a picture

Adjusting the viewfinder

If you record pictures with the LCD panel closed, check the picture with the viewfinder. Adjust the viewfinder lens to your eyesight so that the indicators in the viewfinder come into sharp focus.

Adjust with the viewfinder lens adjustment lever.



You can turn the LCD panel over and move it back to your camcorder body with the LCD screen facing out. You can operate with the touch panel through the viewfinder in CAMERA or MEMORY/NETWORK mode for DCR-IP55 (MEMORY mode for DCR-IP45) (p. xx).

Viewfinder backlight

You can change the brightness of the backlight. Select VF B.L. in the menu settings when using the battery pack (p. xx).

Even if you adjust the viewfinder backlight

The recorded picture will not be affected.

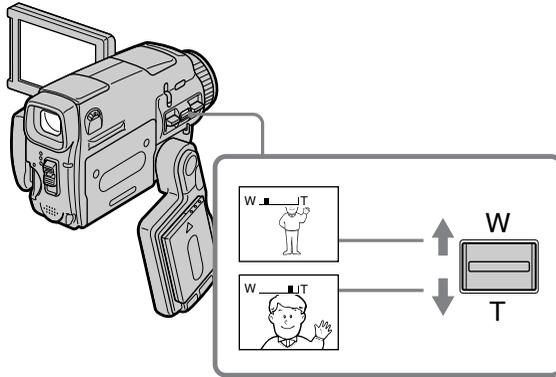
Recording a picture

Using the zoom feature

Move the power zoom lever a little for a slower zoom. Move it further for a faster zoom. Using the zoom function sparingly results in better-looking recordings.

T: for telephoto (subject appears closer)

W: for wide-angle (subject appears further away)

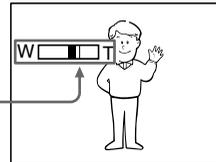


To zoom greater than 10×

Zoom greater than 10× is performed digitally. To activate the digital zoom, select the digital zoom power in D ZOOM in the menu settings. The digital zoom function is set to OFF in the default setting (p. xx).

The right side of the bar shows the digital zooming zone.

The digital zooming zone appears when you select the digital zoom power in the menu settings (p. xx).



When you shoot close to a subject

If you cannot get a sharp focus, move the power zoom lever to the “W” side until the focus is sharp. You can shoot a subject that is at least about 80 cm (about 2 feet 5/8 inch) away from the lens surface in the telephoto position, or about 1 cm (about 1/2 inch) away in the wide-angle position.

Notes on digital zoom

- Digital zoom starts to function when zoom exceeds 10×.
- The picture quality deteriorates as you move the power zoom lever toward the “T” side.

When the POWER switch is set to MEMORY/NETWORK for DCR-IP55 (MEMORY for DCR-IP45)

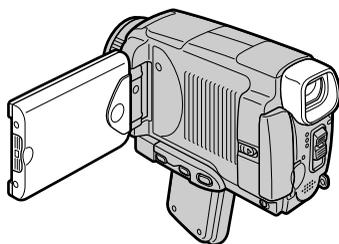
You cannot use the digital zoom.

Shooting with the Mirror Mode

This feature allows the camera subject to view him or herself on the LCD screen. The subject can see his or her own image on the LCD screen while you look at the subject in the viewfinder.

Rotate the LCD screen 180 degrees.

The ☺ indicator appears in the viewfinder and on the LCD screen. When the POWER switch is set to CAMERA, **II●** appears in the standby mode, and **●** appears in the recording mode. Some other indicators appear mirror-reversed and others are not displayed.



Picture in the mirror mode

The picture on the LCD screen is a mirror-image. However, the picture will be normal when recorded.

During recording in the mirror mode

FN appears mirror-reversed in the viewfinder.

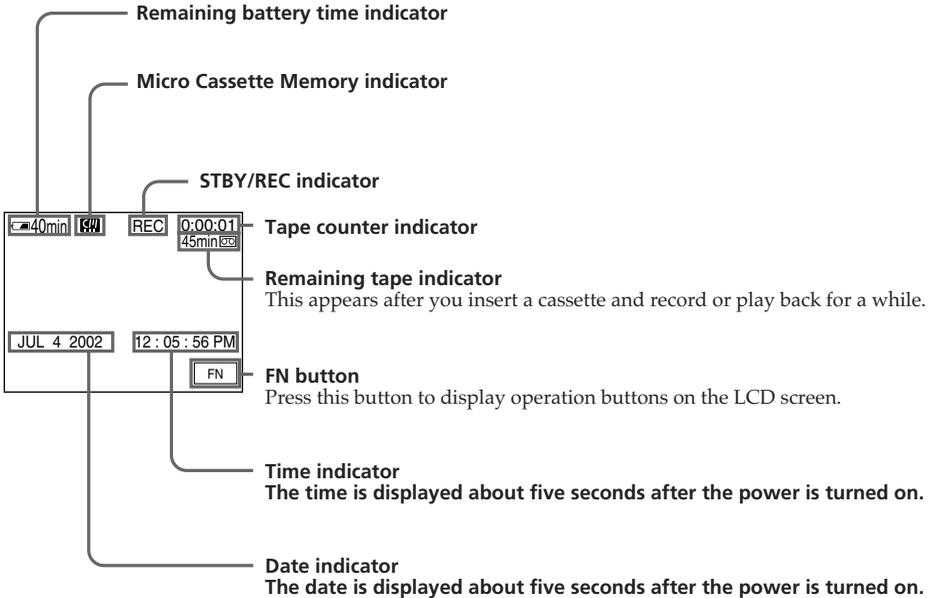
When you press FN

The ☺ indicator does not appear on the screen.

Recording a picture

Indicators displayed in the recording mode

The indicators are not recorded on the tape.



Remaining battery time indicator during recording

The remaining battery time indicator shows the approximate recording time. The indicator may not be correct, depending on the conditions in which you are recording. When you close the LCD panel and open it again, it takes about one minute for the correct remaining battery time in minutes to be displayed.

Tape counter

The tape counter can be reset using COUNT RESET in the PAGE3 screen.

Remaining tape indicator

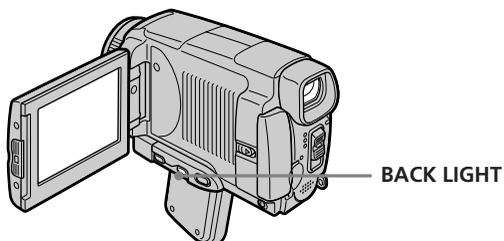
The indicator may not be displayed accurately depending on the tape.

Recording data

The recording data (date/time or various settings when recorded) are not displayed while recording. However, they are recorded automatically on the tape. To display the recording data, press DATA CODE on the Remote Commander during playback. You can also operate in the PAGE3 screen during playback.

Shooting a backlit subject – BACK LIGHT

When you shoot a subject with the light source behind the subject or a subject with a light background, use the backlight function.



Press BACK LIGHT in CAMERA or MEMORY / NETWORK mode for DCR-IP55 (MEMORY mode for DCR-IP45).

The  indicator appears on the screen.

To cancel, press BACK LIGHT again.

During back light function

The backlight function will be canceled when you press MANUAL in the EXPOSURE mode or SPOT METER (p. xx).

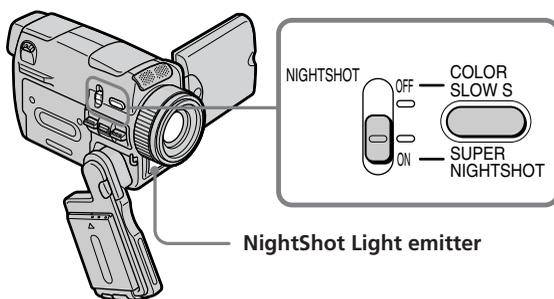
Shooting in the dark – NightShot/Super NightShot/Color Slow Shutter

Using NightShot

NightShot enables you to shoot a subject in a dark place. For example, you can satisfactorily record the environment of nocturnal animals for observation when you use this function.

While your camcorder is in CAMERA or MEMORY/NETWORK mode for DCR-IP55 (MEMORY mode for DCR-IP45), set NIGHTSHOT to ON.

 and “NIGHTSHOT” indicators flash on the screen. To cancel NightShot, set NIGHTSHOT to OFF.



Using Super NightShot

Super NightShot makes subjects more than 16 times brighter than those recorded in NightShot.

- (1) Set the POWER switch to CAMERA.
- (2) Set NIGHTSHOT to ON. The  and “NIGHTSHOT” indicators flash on the screen.
- (3) Press SUPER NIGHTSHOT.

The  and “SUPER NIGHTSHOT” indicators flash on the screen.

To cancel Super NightShot, press SUPER NIGHTSHOT again.

Using the NightShot Light

The picture will be clearer with the NightShot Light on. To activate NightShot Light, set N.S.LIGHT to ON in the menu settings (p. xx).

Using Color Slow Shutter

Color Slow Shutter enables you to record color images in a dark place.

- (1) Set the POWER switch to CAMERA.
- (2) Set NIGHTSHOT to OFF.
- (3) Press COLOR SLOW S.

The  and COLOR SLOW SHUTTER indicators flash on the screen.

To cancel the Color Slow Shutter function, press COLOR SLOW S again.

Notes

- Do not use the NightShot function in bright places (ex. outdoors in the daytime). This may cause your camcorder to malfunction.
- When you keep NIGHTSHOT set to ON in normal recording, the picture may be recorded in incorrect or unnatural colors.
- If focusing is difficult with the autofocus mode when using the NightShot function, focus manually.
- Do not cover the NightShot Light emitter when using the NightShot function.

While using NightShot, you cannot use the following functions:

- Exposure
- Flexible Spot Meter
- PROGRAM AE
- White balance
- HOLOGRAM AF

While using Super NightShot, you cannot use the following functions:

- Recording with the flash
- Fader
- Exposure
- Digital effect
- PROGRAM AE
- Recording still images
- White balance
- Flexible Spot Meter
- HOLOGRAM AF

While using the Color Slow Shutter function, you cannot use the following functions:

- Fader
- Exposure
- Digital effect
- PROGRAM AE
- Flexible Spot Meter
- HOLOGRAM AF
- Recording with the flash

While using Super NightShot or Color Slow Shutter

The shutter speed will be automatically adjusted depending on the brightness of the background. The motion of the moving picture may slow down.

When the POWER switch is set to MEMORY/NETWORK for DCR-IP55 (MEMORY for DCR-IP45)

You cannot use following functions:

- Super NightShot function
- Color Slow Shutter

NightShot Light

NightShot Light rays are infrared and so are invisible. The maximum shooting distance using the NightShot Light is about three m (10 feet).

In dark places

Color slow shutter may not work properly.

Recording a picture

Self-timer recording

Recording automatically starts in 10 seconds after you set the self-timer. You can also use the Remote Commander for this operation.

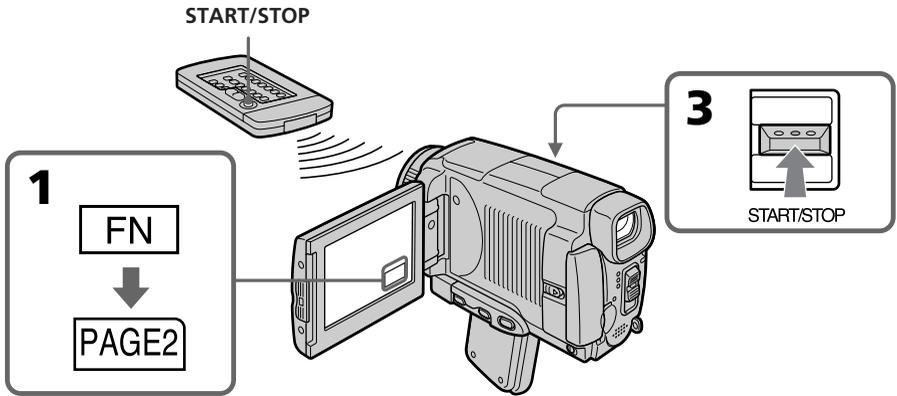
(1) In the standby mode, press FN and select PAGE2 (p. XX).

(2) Press SELFTIMER.

The  (self-timer) indicator appears on the screen.

(3) Press START/STOP.

The self-timer starts counting down from 10 with a beep sound. In the last 2 seconds of the countdown, the beep sound gets faster, then recording starts automatically.



To stop the count down

Press START/STOP.

To restart the countdown, press START/STOP again.

To cancel self-timer recording

Press SELFTIMER so that the  (self-timer) indicator disappears from the screen while your camcorder is in the standby mode. You cannot cancel self-timer recording using the Remote Commander.

Note

The self-timer recording mode is automatically canceled when:

- Self-timer recording is finished.
- The POWER switch is set to OFF (CHG) or VCR.

When the POWER switch is set to MEMORY/NETWORK for DCR-IP55 (MEMORY for DCR-IP45)

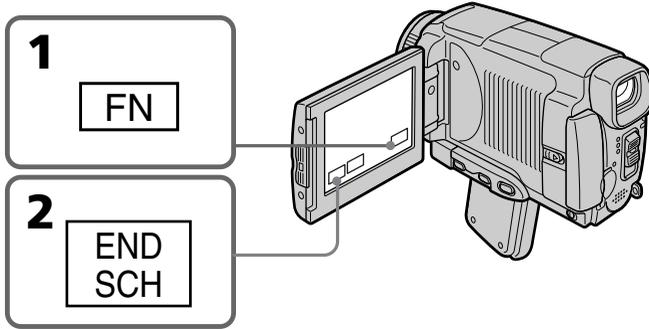
You can also record still images on "Memory Stick"s with the self-timer (p. xx).

Checking the recording- END SEARCH

You can go to the end of the recorded section after you record. It is convenient when you want to check the recording or when you make the transition between the last recorded scene and the next scene you record smooth.

- (1) In the standby mode, press FN to display PAGE1 (p. xx).
- (2) Press END SCH.

The last five seconds of the recorded section are played back and your camcorder returns to the standby mode. You can monitor the sound from the speaker.



To return to FN

Press EXIT.

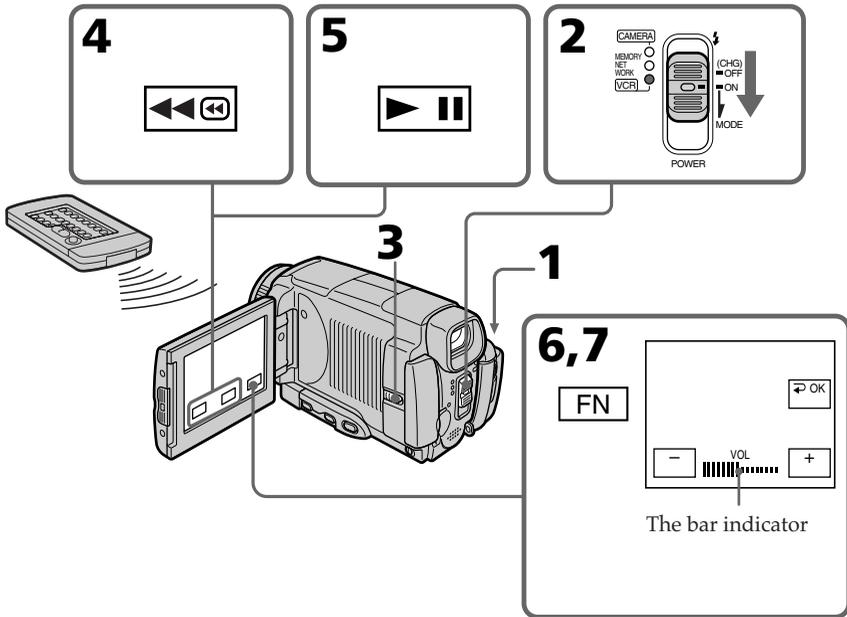
To stop searching

Press END SCH again.

Playing back a tape

You can monitor the recorded tape etc. on the LCD screen. If you close the LCD panel, you can monitor the playback picture in the viewfinder. You can also control playback using the Remote Commander supplied with your camcorder.

- (1) Prepare the power source and insert the recorded tape.
- (2) Set the POWER switch to VCR.
- (3) Slide OPEN in the direction of the arrow to open the LCD panel.
- (4) Press  to rewind the tape.
- (5) Press  to start playback.
- (6) Adjust the volume following the steps below.
 - ① Press FN to display PAGE1 (p. XX).
 - ② Press VOL. The screen for the volume adjustment appears.
 - ③ Press -/+ to adjust the volume.
 - : to decrease the volume.
 - + : to increase the volume.
- (7) Press  OK. The display returns to PAGE1.



To return to FN

Press EXIT.

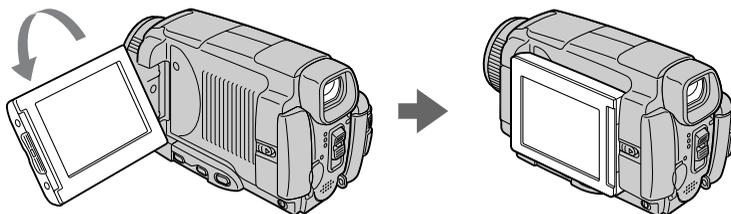
To stop playback

Press .

Playing back a tape

When monitoring on the LCD screen

You can turn the LCD panel over and move it back to the camcorder body with the LCD screen facing out.



If you leave the power on for a long time

Your camcorder gets warm. This is not a malfunction.

When you open or close the LCD panel

Make sure that the LCD panel is set vertically.

To display the screen indicators – Display function

Press DISPLAY/TOUCH PANEL on your camcorder or DISPLAY on the Remote Commander.

The indicators appear on the screen.

To make the indicators disappear, press DISPLAY/TOUCH PANEL or DISPLAY again.

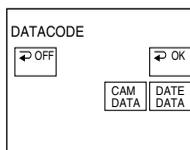
Using the data code function

Your camcorder automatically records not only images on the tape but also the recording data (date/time or various settings when recorded) (**Data code**).

Follow the steps below to display the data code using the touch panel or the Remote Commander.

Using the touch panel

- (1) In the playback mode, press FN and select PAGE3.
- (2) Press DATA CODE.



- (3) Select CAM DATA or DATE DATA, then press OK.
- (4) Press EXIT.

Playing back a tape

Using the Remote Commander

Press DATA CODE on the Remote Commander in the playback mode.

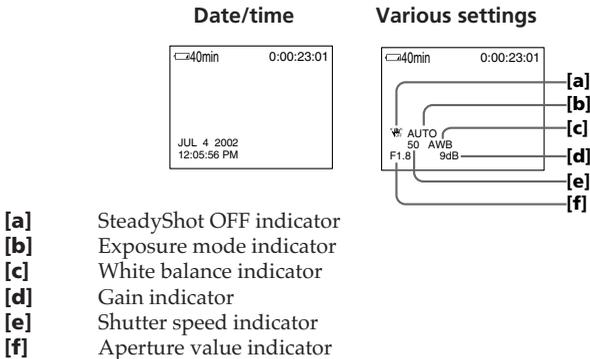
The display changes as follows:

date/time → various settings (SteadyShot OFF, exposure, white balance, gain, shutter speed, aperture value) → no indicator

Not to display various settings

Set DATA CODE to DATE in the menu settings (p. xx).

The display changes as follows when you press DATA CODE on the Remote Commander: date/time ↔ no indicator



Various settings

Various settings shows the camcorder's recording information at the time of recording. In the recording mode, the various settings will not be displayed.

When you use the data code function, bars

(-- -- --) appear if:

- A blank portion of the tape is being played back.
- The tape is unreadable due to tape damage or noise.
- The tape was recorded by a camcorder without the date and time set.

Data code

When you connect your camcorder to a TV, the data code also appears on the TV screen.

Remaining battery time indicator during playback

The indicator shows the approximate continuous playback time. The indicator may not be correct, depending on the conditions in which you are playing back. When you close the LCD panel and open it again, it takes about 1 minute for the correct remaining battery time to be displayed.

Various playback modes

To operate video control buttons, set the POWER switch to VCR.

To view a still image (playback pause)

- Press  during playback. To resume playback, press  again.
- Press PAUSE on the Remote Commander during playback. To resume normal playback, press PAUSE again.

To fastforward the tape

- Press  in the stop mode. To resume normal playback, press .
- Press FF on the Remote Commander in the stop mode. To resume normal playback, press PLAY.

To rewind the tape

- Press  in the stop mode. To resume normal playback, press .
- Press REW on the Remote Commander in the stop mode. To resume normal playback, press PLAY.

To locate a scene monitoring the picture (picture search)

- Keep pressing  or  during playback. To resume normal playback, release the button.
- Keep pressing REW or FF on the Remote Commander during playback. To resume normal playback, release the button.

To monitor the high-speed picture while fastforwarding or rewinding the tape (skip scan)

- Keep pressing  while rewinding or  while advancing the tape. To resume rewinding or advancing, release the button.
- Keep pressing REW on the Remote Commander while rewinding the tape, or keep pressing FF on the Remote Commander while advancing the tape. To resume normal rewinding or advancing, release the button.

To view the picture at slow speed (slow playback)

Press SLOW on the Remote Commander during playback. To pause playback, press  or PAUSE on the Remote Commander. To resume normal playback, press  or PLAY on the Remote Commander again.

To search the last scene recorded (END SEARCH)

Press END SCH on PAGE2 in the stop mode. The last five seconds of the recorded section are played back then the camcorder stops.

Playing back a tape

Video control buttons on the LCD screen

-  To play back or pause a tape
-  To stop a tape
-  To rewind a tape
-  To fastforward a tape

When the playback pause mode lasts for five minutes

Your camcorder automatically enters the stop mode. To resume playback, press  or PLAY on the Remote Commander.

Slow playback

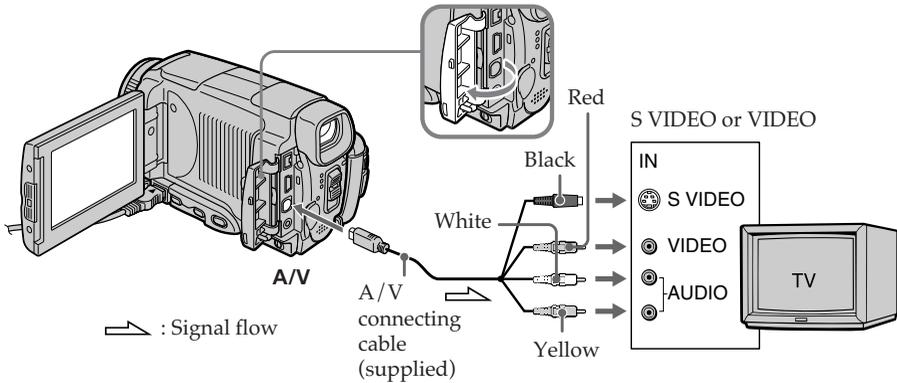
Slow playback can be performed smoothly on your camcorder. However, this function does not work for an output signal from the i.LINK (MICROMV) jack.

Viewing the recording on TV

Connect your camcorder to your TV with the A/V connecting cable supplied with your camcorder to watch the playback pictures on the TV screen. You can operate the playback control buttons in the same way as when you view playback pictures on the LCD screen. When viewing the playback picture on the TV screen, we recommend that you power your camcorder from a wall outlet using the AC adaptor (p. xx). Refer to the operating instructions of your TV.

Open the jack cover. Connect your camcorder to the TV with the A/V connecting cable. Then, set the TV/VCR selector on the TV to VCR.

The supplied A/V connecting cable is equipped with an S video plug and a video plug. Use either the S video plug or the video plug depending on the TV. Do not connect both of the plugs to the TV.



If your TV is already connected to the VCR

Connect your camcorder to the LINE IN input on the VCR with the A/V connecting cable supplied with your camcorder. Set the input selector on the VCR to LINE.

Viewing the recording on TV

If your TV or VCR is a monaural type

Connect the yellow plug of the A/V connecting cable to the video input jack and the white or red plug to the audio input jack on the VCR or the TV. If you connect the white plug, the sound is an L (left) signal. If you connect the red plug, the sound is an R (right) signal.

If your TV has an S video jack

Connect using the S video plug to faithfully obtain original pictures. With this connection, you do not need to connect the yellow (video) plug of the A/V connecting cable. Connect the S video plug to the S video jack on the TV or VCR. This connection produces higher quality MICROMV format pictures.

To display the screen indicators on TV

Set DISPLAY to V-OUT/LCD in the menu settings (p. xx).

Then press DISPLAY/TOUCH PANEL. To turn off the screen indicators, press DISPLAY/TOUCH PANEL again.

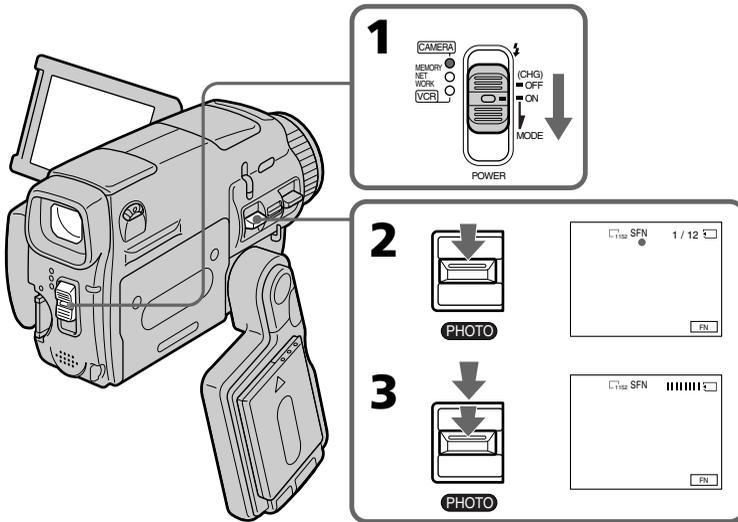
Recording still images in the CAMERA mode

You can record still images on a "Memory Stick" in the CAMERA mode.

Before operation

Insert a "Memory Stick" into your camcorder.

- (1) Set the POWER switch to CAMERA.
- (2) Keep pressing PHOTO lightly until a still image appears.
The CAPTURE indicator appears. Recording does not start yet. To change the still image, release PHOTO, select a still image again, and then press and hold PHOTO lightly.
- (3) Press PHOTO deeper.
The still image will be displayed.
Recording is complete when the bar scroll indicator disappears.
The image when you pressed PHOTO deeper will be recorded on the "Memory Stick."



Recording still images in the CAMERA mode

Notes

- Do not shake or strike your camcorder when you record still images.
The image may fluctuate.
- You cannot record still images on a "Memory Stick" during following operations:
 - Wide mode
 - Fader
 - Picture effect
 - Digital effect
 - Super NightShot
 - Color Slow Shutter
 - END SEARCH
 - MEMORY MIX

"Memory Stick"

For details, see xx for more information.

Image size of still images

Image size is automatically set to 640 × 480.

When you want to record still images in different sizes, use the Memory Photo recording function (p. xx).

When POWER switch is set to CAMERA

You cannot select image quality mode.

The image quality mode you last selected is used. (The default setting is SUPER FINE).

For details, see xx for more information.

During and after recording still images on a "Memory Stick"

Your camcorder continues recording on tape.

To use the tape photo recording function using the Remote Commander

Press PHOTO on the Remote Commander. Your camcorder immediately records the image on the screen.

To record images with higher quality

We recommend you use the Memory Photo recording function (p. xx).

You cannot record a title.