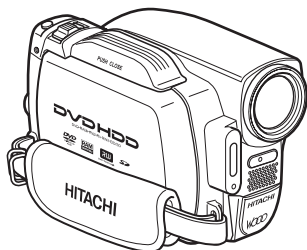


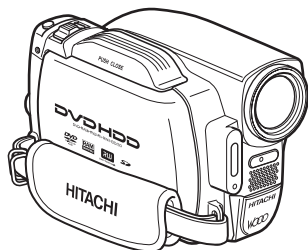
Quick Operation (English)

HITACHI
Inspire the Next

DZ-HS903 DZ-HS803



DZ-HS903



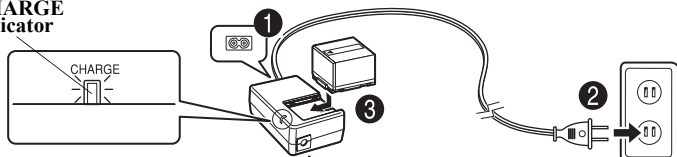
DZ-HS803



■ Setting up the battery pack

Charging status	CHARGE indicator
During charge	Lit
Charge complete	Unlit

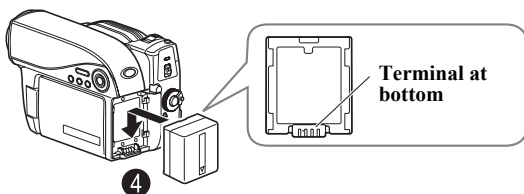
CHARGE indicator



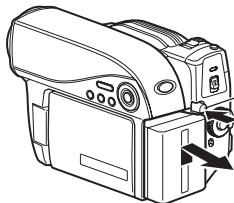
If the CHARGE indicator does not light, check that the connections (1, 2, and 3) are firmly made.

Note
Charging will not occur if the DC power cord is connected.

4 After charging is complete, attach the battery pack to the camcorder.

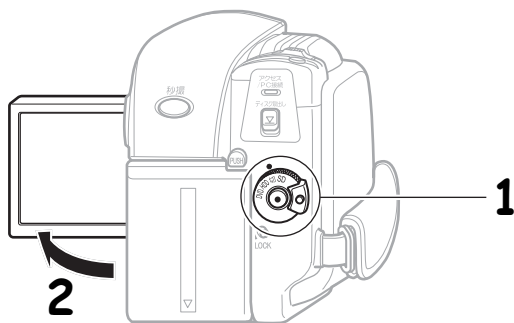


■ Removing the battery pack



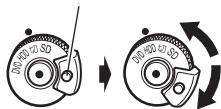
- 1 Always turn the power off before disconnecting the power supply.
- 2 While pressing and holding the PUSH switch, slide the battery pack upward, then remove it.
 - Be careful not to drop the battery pack while detaching it.

Turning on the Power

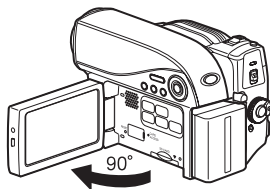


1 Turn on the power.

Press and hold the lock button, and turn the power switch to the desired mode.

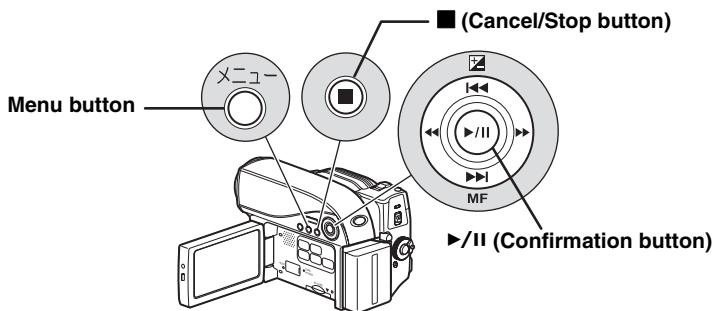


2 Open the LCD monitor.

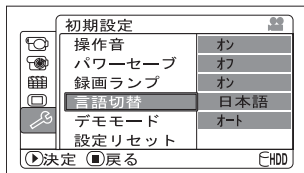


Changing the display language (LANGUAGE)

You can change the language used on screens and menus.
The following shows how to change from Japanese to English.



- 1 Press the menu button, then select "初期設定" by pressing **◀◀▶▶**. Then, press **▶▶** (or the confirmation button).



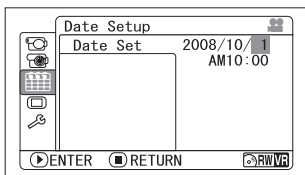
- 2 Press **▶▶** or **▶▶** while the screen on the left is displayed.
The "言語切替" screen appears.



- 3 Select "English" and press **▶/||**.
The display language switches to English.

Setting the Date and Time

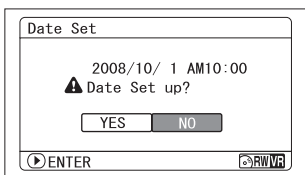
- 1 Press the menu button, then select "Date Setup" by pressing **◀◀▶▶**. Then, press **▶▶** to select "Date Set" and press **▶▶** again.



- 2 Select each item by pressing **◀/▶** and set the correct value by pressing **◀◀/▶▶**.

- Repeat this step until year, month, date, hour, minute, and AM/PM are correctly set.

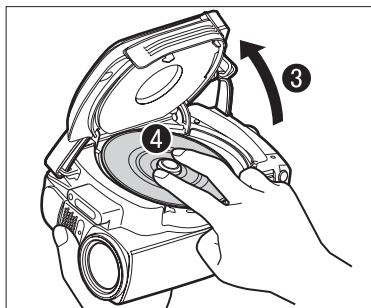
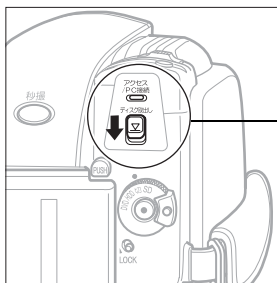
- 3 Press the confirmation button. The confirmation screen appears.



- 4 Press **◀◀** to select "YES", then press the confirmation button to confirm.

- If you select "No" and press **▶▶**, the screen returns to step 2.

Inserting a DVD



- 1 Attach the charged battery pack to the camcorder, or connect the camcorder to a power outlet.
- 2 Turn the power switch to " 切 ", then press down the disc eject switch until the access/PC indicator lights, then release.
- 3 After several seconds, the lid pops open. Open it fully with your hand.
- 4 Place the recording surface of the DVD face down, then push down on the center of the DVD until it clicks into place.
 - For single-sided discs, the side opposite the label is the recording surface.
 - To record on the other side for double-sided discs, remove the disc (p.6), flip it over, and then reload it.

5 Close the lid.

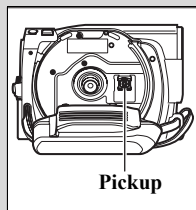
After the lid is closed all the way, the camcorder will attempt to recognize the DVD. During this recognition process, the access/PC indicator flashes. While this is happening, do not remove the power source, shake the camcorder, or subject it to impact.

6 When you insert a new DVD-RW/+RW and the message which prompts you to format the disc appears, format the disc (p.6).

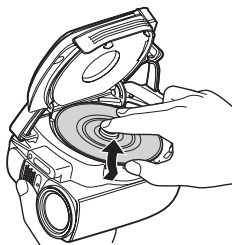
You can record on a DVD-RAM/DVD-R without formatting.

Notes

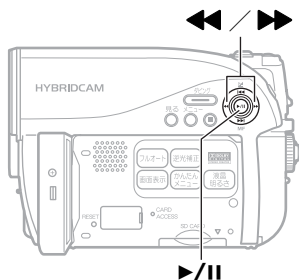
- The disc mechanism may be quite hot immediately after use. Do not touch the metallic areas.
- Do not peer into the pickup. Doing so may cause damage to your eyesight.
- To prevent malfunction, never do any of the following:
 - touch the laser pickup
 - insert a disc that is not compatible with the camcorder
 - close the lid before setting the disc securely into place
- The power automatically turns off if the lid is left open for approx. 3 minutes.
- The lid will not open if the camcorder is not connected to a power source.

**Removing the DVD**

Pressing slightly on the center hub with a finger, grip the edge of the disc with your thumb and lift the disc out as shown.

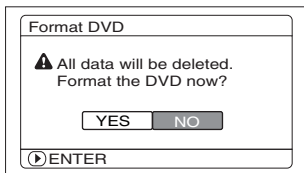
**■ When loading a new DVD-RW/+RW**

The disc must be formatted before it can be used for recording. When the disc is loaded, the format confirmation screen will appear in the LCD monitor.

1 Open the LCD monitor (p.2).**Note**

Be careful that the power is not accidentally cut off while formatting, otherwise, the disc will become unusable.

- 2 Select "YES" by pressing ◀, then press the confirmation button.

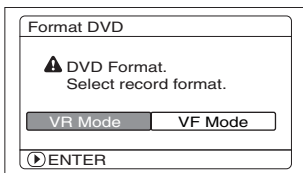


- When using a DVD-RW, proceed to step 3.
- When using a +RW, formatting will start. Skip step 3.

- 3 (When using a DVD-RW)

The recording format selection screen appears.

Select "VR Mode" or "VF Mode" by pressing ◀▶, then press the confirmation button.



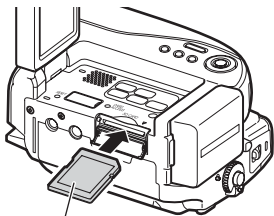
VR Mode

After recording, you can perform various editing functions, such as choosing or deleting scenes. You can play back the disc in a device that supports an 8cm DVD-RW (VR Mode) after finalizing the disc.

VF (Video) Mode

Although editing cannot be done on the camcorder, you can play back the disc on other DVD devices after finalizing the disc.

Inserting and Removing Card



Pay attention to the orientation of the card.

The terminals should face away from the LCD monitor.

- 1 Always turn off the power before inserting a card.
- 2 Open the cover.
- 3 Push the card in until it clicks into place.

(To remove the card, push it in slightly and release. The card will pop up, and you can remove it.)

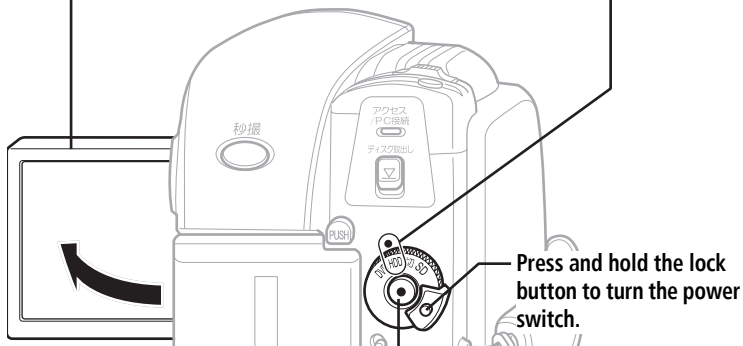
- 4 Always close the cover.

Recording Movies

You can choose either HDD or DVD to record movies.

1 Turn the power switch to "HDD" or "DVD".

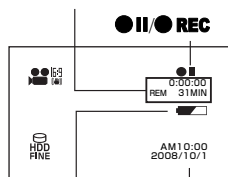
2 Open the LCD monitor.



3 Press the record button.

- "●II" (recording pause) in the LCD monitor will change to "●REC" and recording will begin. The recording indicator beneath the lens will also light up red.
- To pause recording, press the record button again. The elapsed recording time will reset to "0:00:00".
- To resume recording, press the record button again.

Elapsed recording time
(hrs : mins : secs)
Remaining space on
HDD/DVD/Card



Remaining battery
level

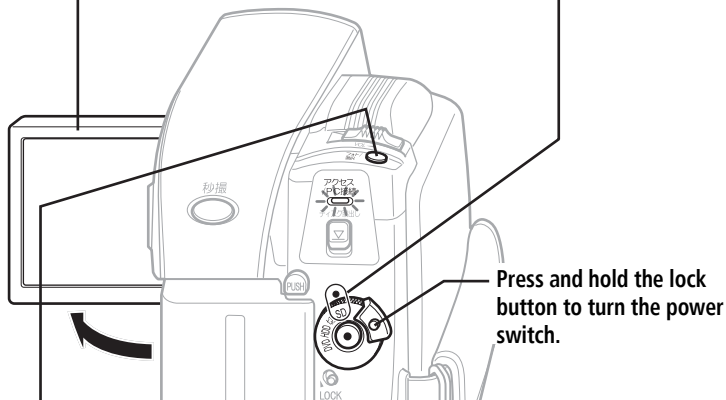
Current time

Recording Still Pictures

Still pictures are recorded on an SD memory Card.

1 Turn the power switch to "SD".

2 Open the LCD monitor.



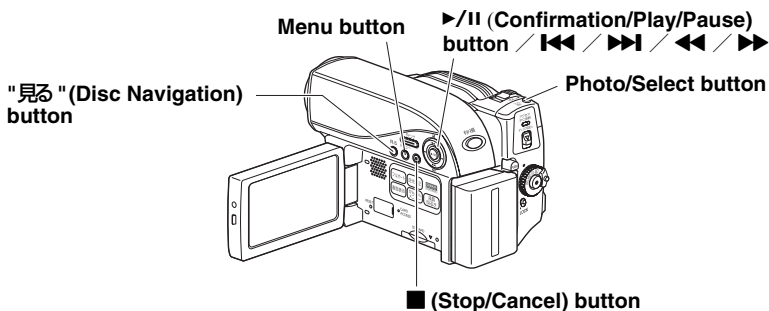
3 Press the "フォト / 選択" (photo) button halfway down.

A subject in the center of the screen will be focused. When focus is locked, the green "●II" in the LCD monitor will turn purple.

4 Fully press the "フォト / 選択" (photo) button.

The image will be recorded. After a few seconds, the image shot will be displayed for about three seconds. You can shoot the next photo when "●II" changes back to green.

Playback



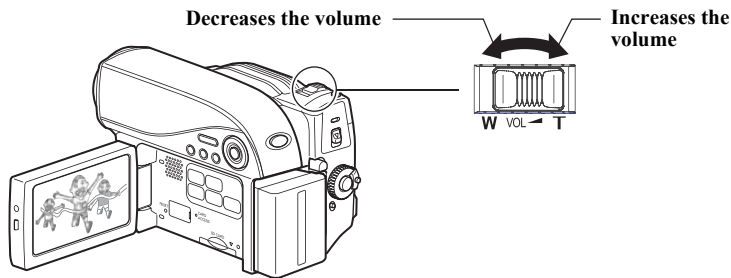
HDD RAM ◀RW (VR) ◀RW (VF) R ▶RW CARD

■ Choosing and playing back a scene

- 1 Press the "見る" button while the media you want to play back is in recording pause mode.
The scenes thumbnails appear on the disc navigation screen.
- 2 Choose a scene by pressing ◀◀/▶▶ (up/down, previous page/following page) and ◀◀/▶▶ (left/right).
- 3 Press ▶/II.
The chosen scene is played back.
 - To promptly return to the disc navigation screen, press ■ or the "見る" button. To return to recording pause mode, press ■ or the "見る" button again.

HDD RAM ◀RW (VR) ◀RW (VF) R ▶RW

■ Adjusting speaker volume during movie playback



Useful Recording Techniques

HDD RAM +RW (VR) -RW (VF) R +RW CARD

Magnified Recording (Optical Zoom and Digital Zoom)

The zoom lever allows you to choose a range of magnifications from wide-angle to telephoto zooming.

Tilt the lever slightly to zoom slowly and tilt the lever greatly to zoom rapidly. Optical zooming up to ten times is the maximum telephoto magnification.

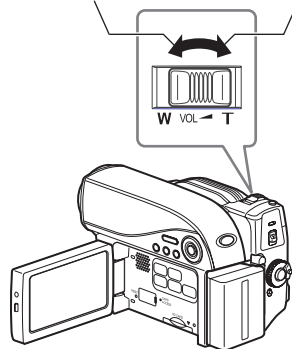
If you activate the digital zoom, the maximum telephoto magnification will be 240 ×.

off → 40 × → 240 ×



W:Wide-angle
(Shooting over a wide range)

T:Telephoto
(Magnifies shooting)



HDD RAM +RW (VR) -RW (VF) R +RW CARD

Selecting a Shooting Mode to Match the Conditions (Program AE)

The camcorder automatically gauges the subject and surrounding conditions and determines the optimal settings for recording (Auto). You can also select a shooting mode that may better suit the situation.

Shooting mode

- A Auto**
The camcorder automatically detects the subject and surrounding conditions for optimum recording.
- Sports**
Reduces blurring when recording rapidly moving subjects such as a golf or tennis game.
- Portrait**
Makes the subject, such as a person or pet, stand out from a blurred background.
- Spotlight**
Prevents over exposure of the subject in strong light, such as on stage, etc.
- Sand&Snow**
Prevents underexposure of the subject in very bright conditions, such as the seaside, or on a ski slope.

i Low Light

Allows you to record in dark places with limited light.

Selecting a shooting mode

1 During record pause, press the menu button.

2 Select "Camera Functions Setup" ▶ "Program AE" ▶ a shooting mode.

3 Press ▶/II to confirm, then the menu button to end.

The selected shooting mode (other than Auto) appears in the LCD monitor.

- The shooting mode is retained in memory even when the power is turned off.

Notes

- When shooting in dark places, after-images may appear if the subject is moving or if camera shake occurs. Use a tripod for best results.
- If "Sports" mode is used under fluorescent light, the LCD monitor may flicker. Use "Auto" mode in this case.

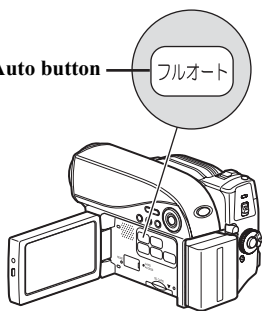
HDD RAM -RW (VR) -RW (VF) R +RW CARD

Restoring all the Shooting Settings to Default (Full Auto)

You can reset the following manually adjusted shooting settings to their defaults with the press of a single button.

Function	Default
Focus	Auto
Exposure	Auto
BLC (Backlight)	Off
Program AE (shooting mode)	Auto
White Balance	Auto
EIS (Electronic Image Stabilizer)	On
Microphone Filter	Off

Full Auto button



1 During record pause or recording, press the Full Auto button.

"FULL AUTO" appears in the LCD monitor for a moment and the settings return to their defaults.