

OLYMPUS®

CAMEDIA

**DIGITAL CAMERA
APPAREIL PHOTO NUMÉRIQUE
DIGITALKAMERA
CÁMARA DIGITAL**

C-8080 Wide Zoom

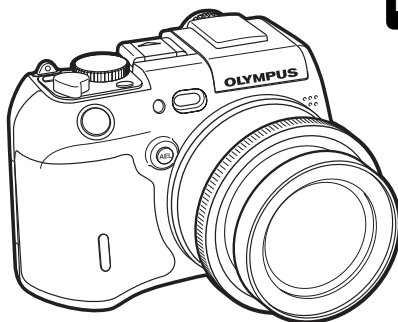
**BASIC MANUAL
MANUEL DE BASE
EINFACHE ANLEITUNG
MANUAL BÁSICO**

ENGLISH2

FRANÇAIS48

DEUTSCH94

ESPAÑOL140



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These instructions are only for quick reference. For more details on the functions described here, refer to the "Reference Manual" on CD-ROM.

- Before using your camera, read this manual carefully to ensure correct use.
- We recommend that you take test shots to get accustomed to your camera before taking important photographs.
- These instructions are only a basic manual. For more details on the functions described here, refer to the Reference Manual on the CD-ROM. For connection to the PC or installation of provided software, refer to the Software Installation Guide included in the CD-ROM package.

For customers in North and South America

For customers in USA

Declaration of Conformity

Model Number : C-8080 Wide Zoom

RM-2 (Remote control)

Trade Name : OLYMPUS

Responsible Party : Olympus America Inc.

Address : 2 Corporate Center Drive, Melville, New York
11747-3157 U.S.A.

Telephone Number : 1-631-844-5000

Tested To Comply With FCC Standards
FOR HOME OR OFFICE USE

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.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

For customers in Canada

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

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For customers in Europe



“CE” mark indicates that this product complies with the European requirements for safety, health, environment and customer protection. “CE” mark cameras are intended for sales in Europe.

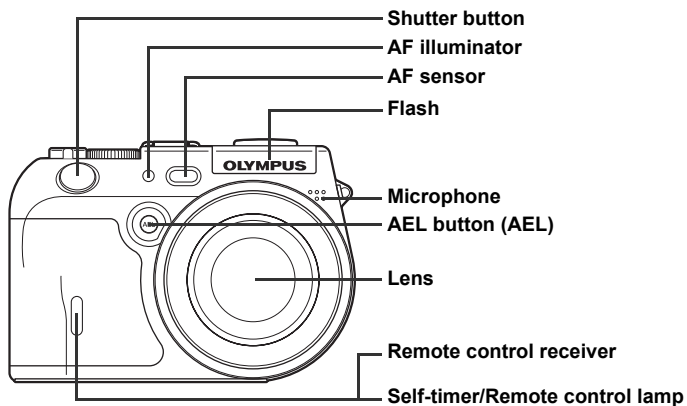
Trademarks

- IBM is a registered trademark of International Business Machines Corporation.
- Microsoft and Windows are registered trademarks of Microsoft Corporation.
- Macintosh is a trademark of Apple Computer Inc.
- All other company and product names are registered trademarks and/or trademarks of their respective owners.
- The standards for camera file systems referred to in this manual are the “Design Rule for Camera File System/DCF” standards stipulated by the Japan Electronics and Information Technology Industries Association (JEITA).

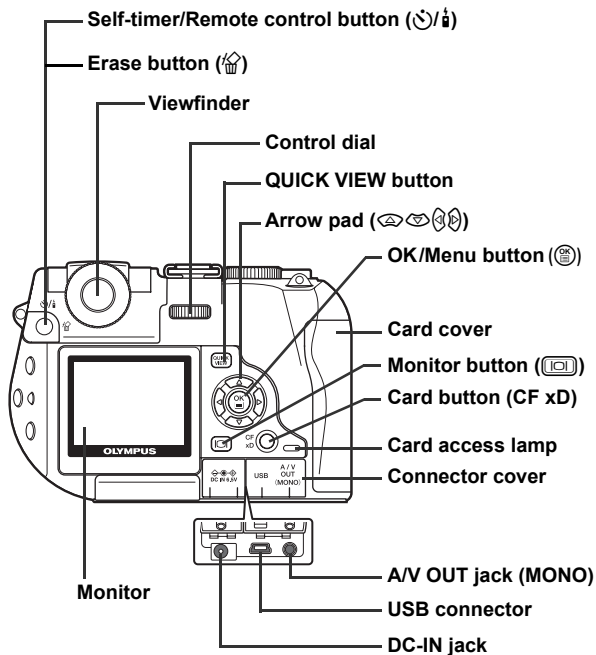
GETTING STARTED

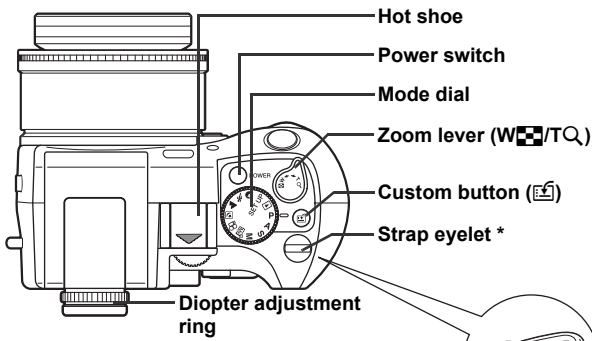
NAMES OF PARTS

Camera

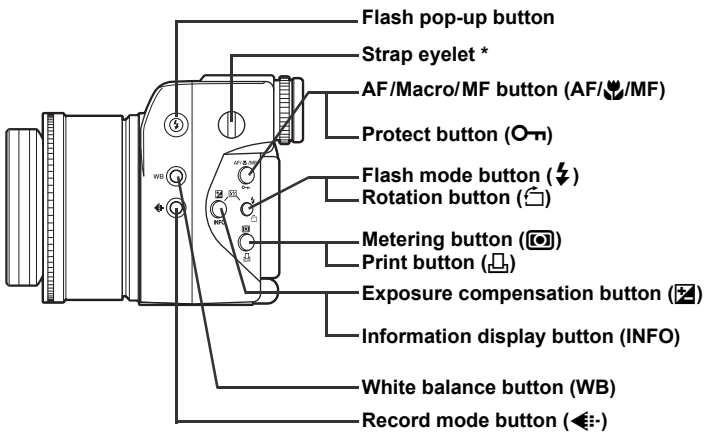
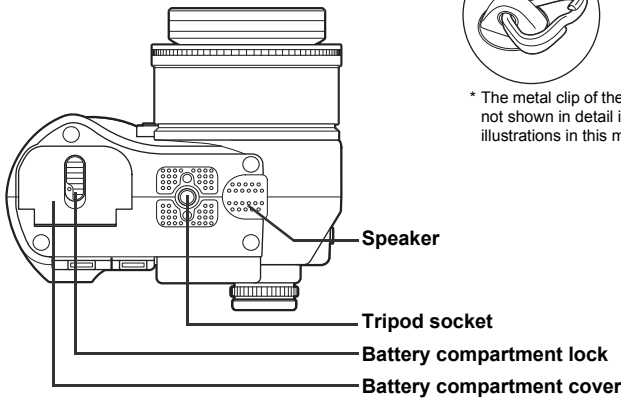


En



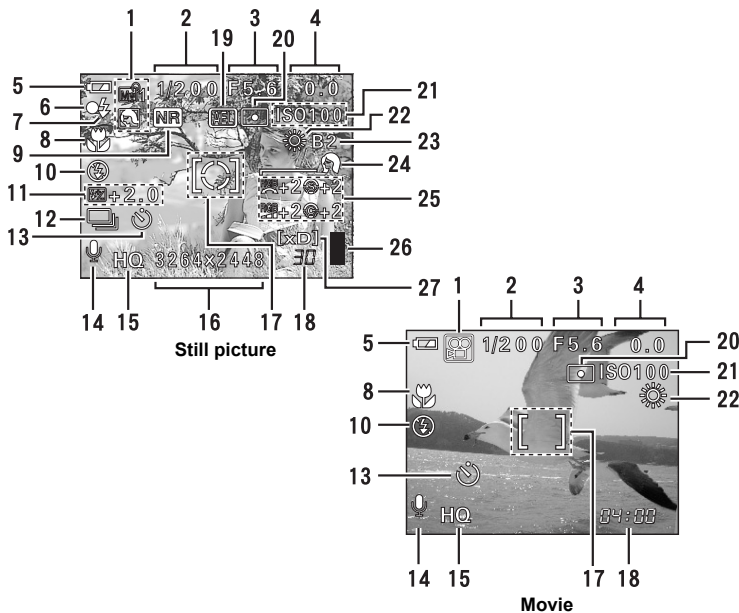


* The metal clip of the strap eyelet is not shown in detail in the illustrations in this manual.



VIEWFINDER AND MONITOR INDICATIONS

Shooting mode



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Item	Indication
1 Shooting mode	P, A, S, M,
2 Shutter speed	15" to 1/4000, BULB
3 Aperture value	F2.4 to F8.0
4 Exposure compensation Exposure differential	-2.0 to +2.0 -3.0 to +3.0
5 Battery check	
6 Green lamp	○
7 Flash stand-by Camera movement warning/ Flash charge	Lights Blinks
8 Macro mode Super macro mode Manual focus	 s MF,
9 Noise reduction	NR

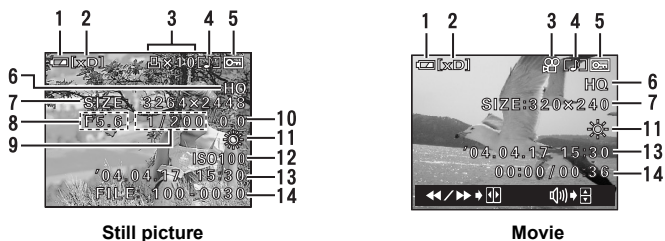
6 En

	Item	Indication
10	Flash mode	, , , SLOW1, SLOW1, SLOW2
11	Flash intensity control	-2.0 to +2.0
12	Sequential shooting mode	, HI , , AF , BKT
13	Self-timer Remote control	
14	Sound record	
15	Record mode	RAW, TIFF, SHQ, HQ, SQ1, SQ2
16	Resolution	3264 × 2448, 2048 × 1536, 640 × 480 etc.
17	AF target mark Metering target mark	[]
18	Number of storable still pictures Remaining recording time	30 04:00
19	AE lock AE memory	
20	Metering mode	,
21	ISO	ISO50, ISO100, ISO200, ISO400 etc.
22	White balance	, , , , to , , CWB1 to CWB4,
23	White balance compensation	B1 to B7, R1 to R7
24	Scene modes	, ,
25	Hue	-5 to +5
	Saturation	-5 to +5
	Sharpness	-5 to +5
	Contrast	-5 to +5
26	Memory gauge	, ,
27	Card	[xD], [CF]

En

Playback mode

INFO setting allows you to select how much information to display on the screen. Screens with the information display set to ON are shown below.



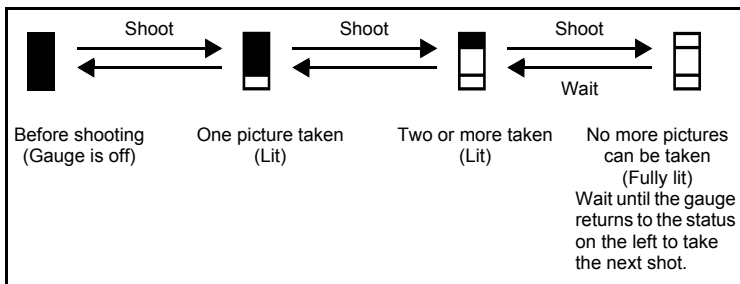
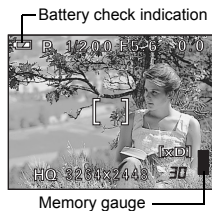
	Item	Indication
1	Battery check	
2	Card	[xD], [CF]
3	Print reservation/ number of prints Movie	×10
4	Sound record	
5	Protect	
6	Record mode	RAW, TIFF, SHQ, HQ, SQ1, SQ2
7	Resolution	3264 × 2448, 2048 × 1536, 640 × 480, 320 × 240 etc.
8	Aperture value	F2.4 to F8.0
9	Shutter speed	8' to 1/4000
10	Exposure compensation	-2.0 to +2.0
11	White balance	WB AUTO,
12	ISO	ISO50, ISO100, ISO200, ISO400 etc.
13	Date and time	'04. 4.17 15:30
14	File number Playing time/Total recording time	FILE : 100-0030 00:00/00:36



• The indications that appear on a movie picture that has been selected and displayed from the index display are different from those that appear when the movie picture is displayed using the movie playback function.

Memory gauge

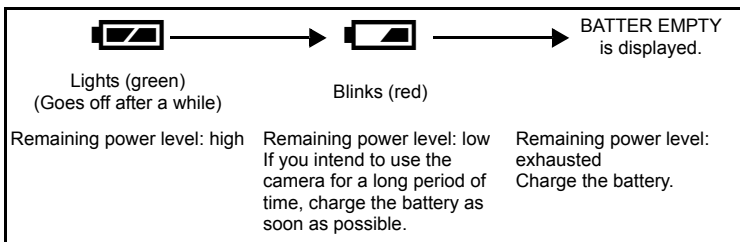
The memory gauge lights up when you take a still picture. While the gauge is lit, the camera is storing the picture on the card. The memory gauge indication changes as shown below depending on the shooting status. The indication is not displayed during movie recording.



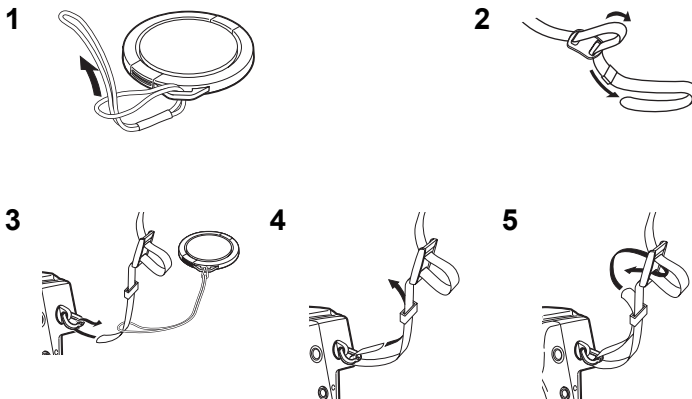
En

Battery check

If the remaining battery power is low, the battery check indication changes as follows when the camera is turned on or while the camera is in use.



ATTACHING THE STRAP



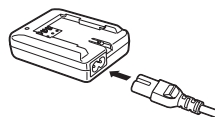
CHARGING THE BATTERY

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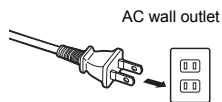
This camera uses one BLM-1 lithium ion battery. Other batteries cannot be used.

The battery is not fully charged at the time of purchase. Before using the camera, charge the battery using the BCM-2 charger. For more details, read the instructions provided with the charger.

1 Plug the power cord into the charger.



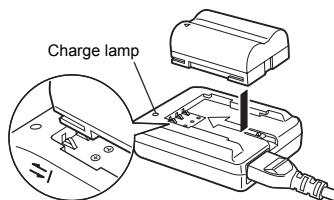
2 Plug the other end of the power cord into a household electrical outlet.





3 Remove the protection cap from the battery. Place the battery on the charger, making sure that it is correctly oriented as shown in the illustration.

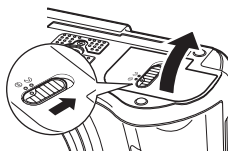
- Align the battery with the guideline on the charger (\rightleftarrows), and insert the battery into the charger as far as it goes.

- Meaning of the charge lamp indications:
 - Lights red : Charging
 - Lights green : Charging is completed
 - Blinks red : Charging failure
- The battery charges in approximately 5 hours. The charging time may differ according to the amount of power left in the battery.



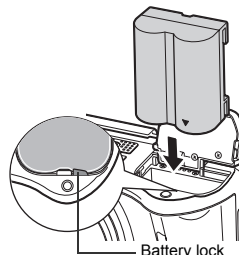
LOADING THE BATTERY

- 1 Make sure the camera is turned off.
- 2 Slide the battery compartment lock from  to  and open the battery compartment cover.



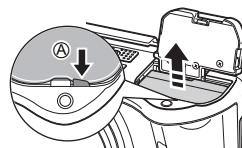
- 3 Inserting a battery: Make sure that it is correctly oriented as shown in the illustration.



- The battery lock secures the battery when correctly loaded.

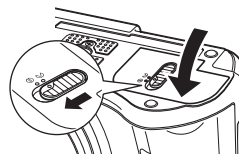


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Removing the battery: Press the battery lock in the direction of the arrow (A).



- 4 Close the battery compartment cover.
- 5 Slide the battery compartment lock from  to .



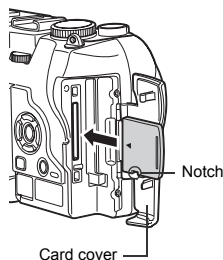
■ INSERTING A CARD

“Card” in this manual refers to the xD-Picture Card, CompactFlash and Microdrive. The camera uses the card to record pictures. The xD-Picture Card can be used simultaneously with CompactFlash or Microdrive.

- 1 Make sure the camera is turned off.**
- 2 Open the card cover.**
- 3 Insert a card.**

xD-Picture Card

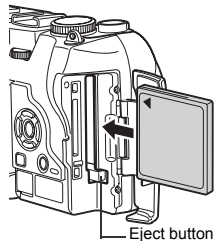
- Insert the card into the front slot, ensuring that it is not inserted diagonally.
- Insert the card as far as it will go until it clicks.
- If the card is inserted incorrectly oriented or it is inserted at an angle, the contact area may be damaged or the card may become jammed.
- If the card is not inserted fully, it may not be able to record data.



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CompactFlash/Microdrive

- Hold the card straight and insert it correctly into the rear slot, as shown.
- Set the eject button in the down position.



- 4 Close the card cover securely until it clicks.**

Removing the card

xD-Picture Card

- Push the card all the way in to unlock it, then let it return slowly. The card will be ejected. Take hold of the card and pull it out.

Note

Releasing your finger quickly after pushing the card all the way in may cause it to eject forcefully out of the slot.

CompactFlash/Microdrive

- Set the eject button in the upright position.
- Press the eject button gently all the way in. The card will be ejected a short way.
- Take hold of the card and pull it out.
- Return the eject button to the down position before closing the card cover.

Switching cards

The card currently in use is indicated in the viewfinder or on the monitor. Choose the card you want to record the picture on before taking the picture. The factory default setting is the xD-Picture Card. If only one card is inserted, that card is automatically selected. Card selection can also be made in Playback mode.

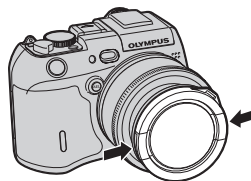


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TURNING THE POWER ON/OFF

- 1 Press the catch on the lens cap in the direction of the arrow and remove the lens cap.



- 2 Turn the mode dial until the mode you want to use is aligned with the red line.

SET UP mode

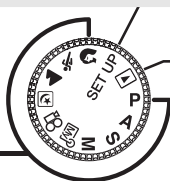
Use this mode to perform basic camera settings, such as date/time and beep sound. When the camera is turned on, the SET UP mode menu is displayed on the monitor.

Playback mode

Use this mode to view pictures you have taken on the monitor.

Shooting mode

Use one of these positions when you want to take pictures.



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- 3 Press the power switch.

- The mode in which the camera turns on depends on the position of the mode dial.

Shooting mode:

The camera turns on in the shooting mode. The monitor turns on and the lens extends.

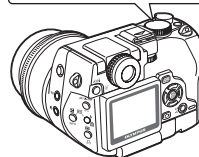
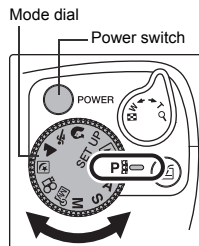
Playback mode:

The camera turns on in the playback mode and the monitor turns on.

SET UP mode:

The menu is displayed on the monitor.

- You can change the mode with the camera turned on, or off.

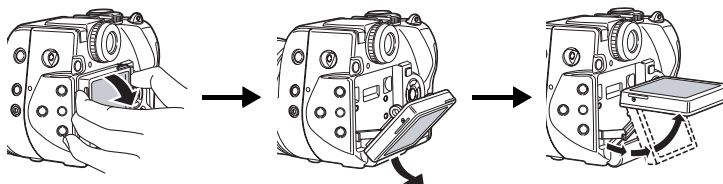


- 4 Press the power switch again to turn the camera off.

CHANGING THE ANGLE OF THE MONITOR

You can change the angle of the monitor. This is useful for taking low-angle shots where the viewfinder or monitor is hard to see.

- 1 Take hold of the monitor as shown in the illustration and pull it out.
- 2 To take low-angle shots, position the monitor in the up position as shown.
 - The monitor can be positioned in the down position at an angle of 45 degrees and in the up position at an angle of 22, 45 or 90 degrees.
 - To take high-angle shots, position the monitor in the down position.





















SELECTING A LANGUAGE

- 1 Set the mode dial to SET UP and turn the camera on.
 - MODE MENU is displayed.
- 2 Press to select the SETUP tab, then press .
- 3 Press to select , then press .
- 4 Press to select a language, then press .
- 5 To turn the camera off, press the power switch again.

En

SETTING THE DATE AND TIME

- 1 Set the mode dial to SET UP and turn the camera on.**
 - MODE MENU is displayed.
- 2 Press   to select the SETUP tab, then press .**
- 3 Press   to select , then press .**
 - The green frame moves to the selected item.
 - Press  repeatedly until  is displayed on the monitor.
- 4 Press   to select one of the following date formats: Y-M-D (Year/Month/Day), M-D-Y (Month/Day/Year), D-M-Y (Day/Month/Year). Then press .**
 - Move to the year setting.
 - The following steps show the procedure used when the date and time settings are set to Y-M-D.
- 5 Press   to set the year, then press  to move to the month setting.**
 - To move back to the previous setting, press . The first two digits of the year are fixed.
- 6 Repeat this procedure until the date and time are completely set.**
 - The time is displayed in the 24-hour format.
For example, 2pm will be displayed as 14:00.
- 7 Press .**
 - For a more accurate setting, press  when the time signal hits 00 seconds.
- 8 To turn the camera off, press the power switch again.**

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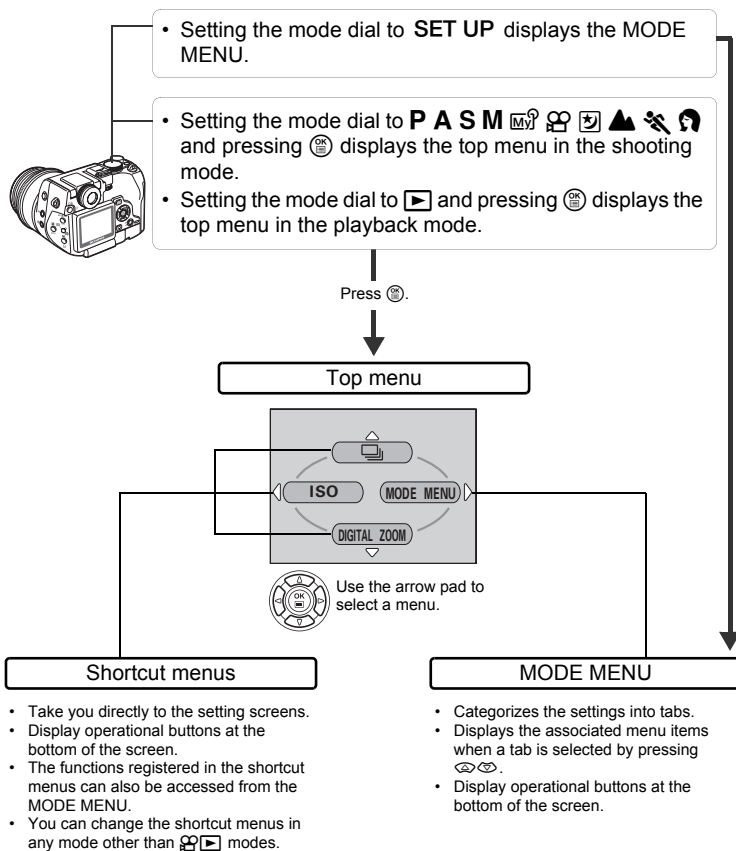
Note

- The date and time settings will be canceled if the camera is left without the battery for a few days.

MENU FUNCTIONS













USING THE MENUS AND TABS

There are two types of menu: the top menu which is the first screen that appears on the monitor when you turn on the camera and press , and the MODE MENU which categorizes settings into tabs. The functions of this camera are set from the menus. When the mode dial is set to **SET UP**, the MODE MENU is displayed instead of the top menu.



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



How to use the menus

- 1 Press  to display the top menu, then press .
- 2 Press   to select a tab, then press .
- 3 Press   to select the item you want to set, then press .
- 4 Press   to select a setting. Press  to complete setting. Press  again to exit the menu.
 - While **SET UP** is selected on the mode dial, turn the dial other than **SET UP** to exit the MODE MENU.

Shortcut menus

Shooting mode



Selects a shooting mode from  (single-frame shooting), **HI**  (high speed sequential shooting),  (sequential shooting), **AF**  (AF sequential shooting) and **BKT** (auto bracketing).

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(movies)

Selects whether to record sound when shooting a movie.

ISO

Selects the ISO value from AUTO or in the range of ISO 50 to ISO 400.

DIGITAL ZOOM

Digitally enhances the maximum optical zoom.

Playback mode



Runs through all saved pictures one after another.

MOVIE PLAY

MOVIE PLAYBACK	Plays back movies.
INDEX	Creates an indexed view of a movie in 9 frames.
EDIT	Edits a movie.



Displays guidelines on the image.

COPY

Copies pictures to and from cards. Lets you select whether to copy all frames or only a selected frame.



Adds sound to a still picture already taken.

En

Mode menus

The MODE MENU functions are divided into tabs. Press to select a tab and display the associated menu items.

These instructions are only for quick reference. For more details on the functions described here, refer to the "Reference Manual" on CD-ROM.

TABS

CAMERA tab: regards picture taking.

PICTURE tab: regards picture appearance.

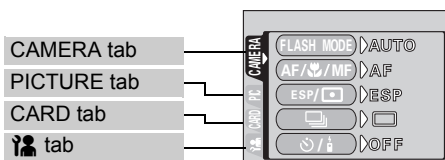
EDIT tab : regards editing picture already taken.

CARD tab : regards memory card formatting, etc.

tab : regards customizing functions.



SETUP tab : regards basic settings of the camera.

Shooting mode (P A S M mode)




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CAMERA tab	
FLASH MODE	Selects flash-related settings. Sets the options available in flash mode, flash intensity control, external flash and slow synchronization.
AF//MF	Sets the options available in focus mode, AF mode, fulltime AF and P-AF.
ESP/	Selects a metering mode from ESP, spot metering, multi-metering and center-weighted metering.
	Selects a shooting mode from (single-frame shooting), HI (high speed sequential shooting), (sequential shooting), AF (AF sequential shooting) and BKT (auto bracketing).
/i	Selects the self-timer or remote control function.
ISO	Selects the ISO value from AUTO or in the range of ISO 50 to ISO 400.
DIGITAL ZOOM	Digitally enhances the maximum optical zoom.
NOISE REDUCTION	Reduces the noise that affects pictures during long exposures.
FUNCTION	Enables panorama and guideline shooting, and lets you take pictures in black & white or sepia tone.
FRAME ASSIST	Displays lines as a guide for composing the picture.
	This function lets you record sound when taking a still picture.
MY MODE	Selects a mode to be activated when taking pictures in mode.
	Displays a histogram showing the luminance distribution of still pictures.

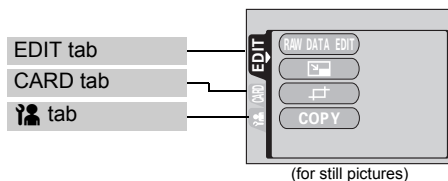
PICTURE tab	
WB	Sets the appropriate white balance according to the light source. Also adjusts and saves the white balance.
	Sets the image quality and resolution. Still pictures : RAW, TIFF, SHQ, HQ, SQ1, SQ2 Movies : SHQ, HQ, SQ
SCENE MODES	Lets you take pictures suited to the situation and the desired effect ().
SHARPNESS	Adjusts the sharpness of the image.
CONTRAST	Adjusts the contrast of the image.
HUE	Adjusts the overall tint of the picture.
SATURATION	Adjusts the level of color depth without changing the tint.

CARD tab	
CARD SETUP	Formats a card.

👤 tab	
ALL RESET	Selects whether to keep the current camera settings when you turn off the power.
REC VIEW	Displays the picture on the monitor while recording it to a card.
BEEP	Sets the beep sound used for button operations and adjusts the volume.
SHUTTER SOUND	Sets the sound made when the shutter button is pressed and adjusts the volume.
DIAL	Changes the control dial, arrow pad and direct button functions.
EV STEP	Selects whether to set the shutter speed, aperture value and exposure compensation, etc. in 1/3EV steps or in 1/2EV steps.
CUSTOM BUTTON	Lets you assign a frequently used function to the camera's custom button.
SHORT CUT	Lets you assign frequently used functions as shortcut menus.
MY MODE SETUP	Customizes settings which are activated in the  mode.
CONTROL PANEL	Displays the settings in the shooting mode on the monitor.

En 

Playback mode (▶)



EDIT tab *	
RAW DATA EDIT	Sets the image quality, white balance, etc. of pictures taken in RAW data format and saves them as new files.
	Makes the file size smaller and saves it as a new file.
	Crops part of a picture and saves it as a new file.
COPY	Copies pictures to and from cards. Lets you select whether to copy all frames or only a selected frame.

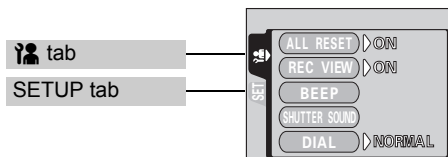
* The EDIT tab is not displayed during movie playback.

CARD tab	
CARD SETUP	Erases all image data stored on the card or formats a card.

i tab	
ALL RESET	Selects whether to keep the current camera settings when you turn off the power.
BEEP	Sets the beep sound used for button operations and adjusts the volume.
VOLUME	Adjusts the sound volume during playback.
	Selects the number of frames in the index display.

En

SET UP mode



The functions assigned to the tab in both shooting and playback modes can also be set from the tab in SET UP mode.

tab	
ALL RESET	Selects whether to keep the current camera settings when you turn off the power.
REC VIEW	Displays the picture on the monitor while recording it to a card.
BEEP	Sets the beep sound used for button operations and adjusts the volume.
SHUTTER SOUND	Sets the sound made when the shutter button is pressed and adjusts the volume.
DIAL	Changes the control dial, arrow pad and direct button functions.
EV STEP	Selects whether to set the shutter speed, aperture value and exposure compensation in 1/3EV steps or in 1/2EV steps.
CUSTOM BUTTON	Lets you assign a frequently used function to the camera's custom button.
SHORT CUT	Lets you assign frequently used functions as shortcut menus.
MY MODE SETUP	Customizes settings which are activated in the mode.
CONTROL PANEL	Displays the settings in the shooting mode on the monitor.
VOLUME	Adjusts the sound volume during playback.
	Selects the number of frames in the index display.

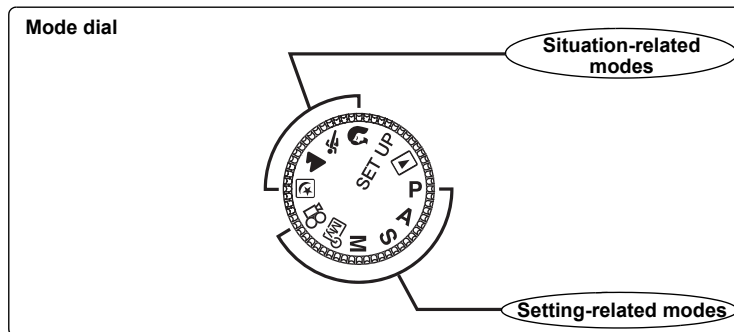
SETUP tab	
	Selects a language for on-screen display.
	Sets the date and time.
	Sets the beep sound used for warnings and adjusts the volume.
SLEEP	Sets the time from the moment the camera was last operated until it enters sleep mode.
FILE NAME	Changes how file names are assigned.
BATTERY SAVE	Turns the powersaving mode on and off.
PIXEL MAPPING	Checks the CCD and image processing functions for errors.
	Adjusts the brightness of the viewfinder or monitor.
m/ft	Sets the measurement unit (m/ft) used during manual focus.
VIDEO OUT	Selects NTSC or PAL according to your TV's video signal type. TV video signal types differ depending on the region.
AF ILLUMINATOR	Turns on the AF illuminator to illuminate a dark subject.
USB	Sets whether the camera is connected to a PC or a printer with the USB cable.

En

MODE DIAL AND DIRECT BUTTON FUNCTIONS

Mode dial

The shooting mode includes modes where the optimal settings for the situation are automatically selected, and modes where you can select the settings best suited to the shooting conditions and the effect you wish to achieve. You can change the mode with the camera turned on, or off.



En Setting-related modes

P Program shooting

The camera automatically sets the optimum aperture value and shutter speed for the brightness of the subject. Other functions, such as flash mode and record mode, can be adjusted manually.

Program shift

Program shift allows you to change the combination of aperture value and shutter speed set by the camera without altering the exposure.

- Press to change the aperture value and the shutter speed that determines an appropriate exposure.
- **Ps** is displayed on the monitor in the program shift mode.
- To cancel the program shift mode, do one of the following:
 - If the combination of shutter speed and aperture value was changed by pressing , press until **Ps** goes out.
 - If the combination of shutter speed and aperture value was changed by pressing , press until **Ps** goes out.
 - Change the mode to **A**, **S**, **M**, or

A Aperture priority shooting

Allows you to set the aperture manually. The camera sets the shutter speed automatically.

Turn the control dial to set the aperture value.

Turn to the left to decrease the aperture value (F number).
Turn to the right to increase the aperture value (F number).

S Shutter priority shooting

Allows you to set the shutter speed manually. The camera sets the aperture automatically.

Turn the control dial to set the shutter speed.

Turn to the left to set a slower shutter speed.
Turn to the right to set a faster shutter speed.

M Manual shooting

Allows you to set the aperture and shutter speed manually.

Set the aperture by turning the control dial while holding down .

Turn to the left to decrease the aperture value (F number).
Turn to the right to increase the aperture value (F number).

Turn the control dial to set the shutter speed.

Turn to the left to set a slower shutter speed.
Turn to the right to set a faster shutter speed.

My Mode

Allows you to save your favorite settings as your own personal mode and use these customized settings when taking pictures. Current settings can also be saved for retrieving by this mode.

Movie record

This function allows you to record movies. The camera automatically determines the aperture and shutter speed. Sound is recorded at the same time. The focus and zoom are locked. If the distance to the subject changes, focus may be compromised.

Situation-related modes

Night Scene shooting

Suitable for shooting pictures in the evening or at night. The camera sets a slower shutter speed than is used in normal shooting. For example, if you take a picture of a street at night in **P** mode, the lack of brightness will result in a dark picture with only dots of light. In the Night Scene shooting mode, the true appearance of the street is captured. The camera automatically selects the optimal settings for this type of shooting condition. Since the shutter speed is slow, make sure you stabilize the camera by using a tripod.

Landscape shooting

Suitable for taking pictures of landscapes and other outdoor scenes. Both the foreground and the background are in focus. Since blues and greens are vividly reproduced in this mode, it is excellent for shooting natural scenery. The camera automatically sets the optimal shooting conditions.

Sports shooting

Suitable for capturing fast-moving action (such as sports) without blur. The camera automatically sets the optimal shooting conditions.

Portrait shooting

Suitable for taking a portrait-style shot of a person. This mode features an in-focus subject against a blurred background. The camera automatically sets the optimal shooting conditions.



Note

- The available settings vary depending on the mode.

Direct buttons

The direct buttons have different functions in the shooting mode and in the playback mode. Turning the control dial while holding down the direct button allows you to select menu options or change the values for the different functions.

Certain function settings require the direct button to be pressed repeatedly.

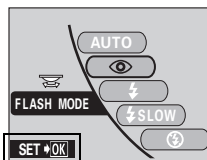
Direct button basics

The procedure for making settings using the direct buttons and control dial is shown below. The setting screens are displayed on the monitor when pressing the direct button.

Ex: Using the ⚡ (flash mode) button

1 Turn the control dial while holding down ⚡ to select the flash mode.

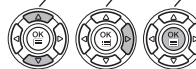
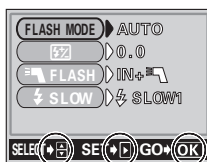
- The setting screen is displayed on the monitor.
- At the moment you release your finger from the ⚡ button, the flash mode setting is made.
- If the operation guide is displayed at the bottom of the screen, you can select further options.



Operation guide

2 Press **OK** while holding down ⚡ to display the menu. Release the direct button after the menu is displayed.

- The menu for changing the current settings for the various flash options is displayed.



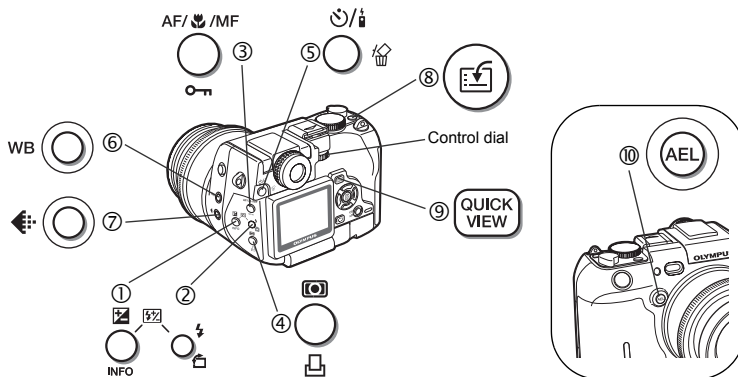
The icons displayed in the operation guide correspond to the arrow pad and **OK** button.

3 Follow the operation guide to select the item and option you want to change.

En

Direct button functions

Holding down one or two direct buttons and turning the control dial allows you to make settings for each function.



Shooting mode

En

- ① (exposure compensation) button

Changes the exposure compensation value.

- ② (flash mode) button

Selects a flash mode from auto, (red-eye reduction), (fill-in flash), SLOW (slow synchronization) and (flash off).

- ① + ②
Press at the (flash intensity control) buttons
same time

Adjusts the amount of light emitted by the flash.

- ③ **AF/Macro/MF** (AF/Macro/MF) button

Selects a focus mode from AF (auto-focus), (macro), MF (manual focus), (super macro) and (super macro MF).


- ④ (metering) button

Selects a metering mode from ESP, spot metering (), multi-metering (MULTI) and center-weighted metering ().

- ⑤ (self-timer/remote control) button


Activates the self-timer or remote control function.

⑥ **WB** (white balance) button

Selects a white balance setting from AUTO, PRESET 1, PRESET 2, CUSTOM and  (one-touch).

⑦  (record mode) button

Sets the image quality and resolution.
 Still pictures : RAW, TIFF, SHQ, HQ, SQ1, SQ2
 Movies : SHQ, HQ, SQ

⑧  (custom) button

Activates the function registered on the custom button.

⑨ **QUICK VIEW** button

Displays the last picture taken on the monitor.


⑩ **AEL** (AE Lock) button

Fixes the exposure. The lock function is alternately activated and canceled each time you press the button.


Playback mode

① **INFO** (information display) button


Displays the shooting information and histogram.

②  (rotation) button


Rotates pictures 90 degrees clockwise or counterclockwise.

③  (protect) button

Protects important pictures from accidental erasure.

④  (print) button

Stores print reservation data on the card.

⑤  (erase) button





Erases a selected picture.

En

SHOOTING BASICS


TAKING STILL PICTURES

You can take still pictures using either the viewfinder or the monitor.

- 1 Set the mode dial to **P A S M**    or  and turn the camera on.
- 2 Compose the picture.
- 3 Press the shutter button gently (halfway) to adjust the focus.

- The AF target mark moves to the focus position.
- The shutter speed and aperture value automatically selected by the camera are displayed on the monitor (except in **M** mode).
- Monitor indications when the shutter button is pressed halfway are shown in the following table.



Indication		Meaning
 mark	Lights	Flash stand-by. The flash fires when the shutter-release button is pressed all the way.
	Blinks	If the flash has popped up: flash is charging. Remove your finger from the shutter button and wait until the lamp goes off. If the flash is closed: camera movement warning. Press the flash pop-up button to open the flash.
Green lamp	Lights	The picture is in focus or the exposure is locked.
	Blinks	The picture is out of focus or the exposure is not locked.

- 4 Press the shutter button all the way (fully).
 - The camera takes the picture.
 - The card access lamp blinks while the picture is stored on the card.
 - You can check the picture you have taken by pressing the QUICK VIEW button.

En

IF CORRECT FOCUS CANNOT BE OBTAINED (FOCUS LOCK)

When the subject you want to focus on is not in the center of the frame and you cannot position the AF target mark on it, you can focus the camera on another point at roughly the same distance (focus lock) and take the picture as explained below.

- 1 Set the mode dial to **P A S M**    or  and turn the camera on.
- 2 Position the AF target mark on the subject you want to focus on.

- When shooting a hard-to-focus subject or a fast-moving subject, point the camera at an object about the same distance away as the subject.



AF target mark

- 3 Press the shutter button halfway and check that the green lamp lights steadily.

- When the focus and exposure are locked, the green lamp lights steadily.
- The AF target mark moves to the focus position.
- When the green lamp blinks, the focus and exposure are not locked. Release your finger from the shutter button, re-position your subject and press the shutter button halfway again.

- 4 Keeping the shutter button pressed halfway, recompose your shot.

- 5 Press the shutter button all the way (fully).

RECORDING MOVIES

You can also record movies with this camera. Sound is recorded at the same time. The focus and zoom are locked. If the distance to the subject changes, focus may be compromised.


- 1 Set the mode dial to  and turn the camera on.

- The remaining recording time on the card that you are using is displayed on the monitor.

- 2 Compose the picture.

- You can use the zoom lever to enlarge your subject.

- 3 Press the shutter button fully to start recording.

- The focus and zoom are locked.
- During movie recording,  lights red.

4 Press the shutter button again to stop recording.

- When the remaining recording time has been used up, recording stops automatically.
- When there is space in the card memory, the remaining recording time is displayed, and the camera is ready to shoot the next movie.



Note

- During movie recording, the flash is disabled.
- It takes longer to store movies than still pictures.
- The remaining time varies depending on the record mode and the amount of space available on the card.

ZOOMING IN ON A SUBJECT (OPTICAL ZOOM)

Telephoto and wide-angle shooting are possible at 5× magnification (the optical zoom limit, equivalent to 28 mm to 140 mm on a 35 mm camera). By combining the optical zoom with the digital zoom, zoom magnification can be increased to a maximum of approximately 15×.

Camera movement is likely to occur at higher magnifications. Stabilize the camera with a tripod, etc. to avoid camera movement.

En


- 1 Turn the zoom lever.
- 2 Take the picture while looking in the viewfinder.

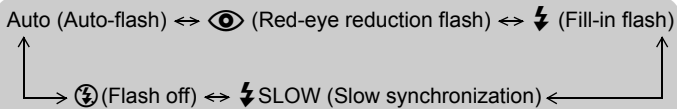


Note

- Pictures taken with the digital zoom may appear grainy.

USING THE FLASH

- 1 Press the flash pop-up button.
 - The flash pops up.
- 2 Set the flash mode by turning the control dial while holding down .
 - The flash mode changes in the sequence shown below. (The selectable flash modes may differ depending on the shooting mode.)



- 3 Press the shutter button halfway.
 -  lights when the flash is ready to fire.
- 4 Press the shutter button fully to take the picture.



TIPS

- Flash working range
- W (max.): Approx. 0.8 – 5.8 m (2.6 – 19 ft.)
- T (max.): Approx. 0.2 – 4.0 m (0.7 – 13.1 ft.)

Auto-flash (No indication)

The flash fires automatically in low light or backlight conditions.

Red-eye reduction flash (👁)

The red-eye reduction flash mode reduces red eye effect by emitting pre-flashes before firing the regular flash.

Fill-in flash (⚡)

The flash fires regardless of the available light.

Flash off (🚫)

The flash does not fire even in low light conditions.

Slow synchronization ⚡SLOW1 ⚡SLOW2 👁⚡SLOW1

Adjusts the flash for slow shutter speeds.

1st curtain (front curtain) ⚡SLOW1 (factory default setting):

The flash fires right after the shutter opens.

2nd curtain (rear curtain) ⚡SLOW2:

The flash fires just before the shutter closes.



1st curtain with red-eye reduction 👁⚡SLOW1:

The flash fires right after the shutter opens, and minimizes red-eye.


En

USING THE SELF-TIMER

This function is useful for taking pictures of yourself included in the photograph. Fix the camera securely on a tripod or stable surface for self-timer shooting.

1 Turn the control dial while holding down  and select .

2 Press the shutter button fully to start self-timer shooting.




- The self-timer/remote control lamp lights for approximately 10 seconds, then starts blinking. After blinking for approximately 2 seconds, the picture is taken.
- To cancel the self-timer, press .
- The self-timer mode is automatically canceled after one shot.

ADVANCED SHOOTING

SEQUENTIAL SHOOTING

There are 4 sequential shooting modes: high speed sequential shooting, sequential shooting, AF sequential shooting and auto bracketing. Except for auto bracketing, the exposure and white balance are locked at the first frame. Sequential shooting cannot be performed when the record mode is set to TIFF.

Sequential shooting mode





- Shoots one frame at a time when the shutter button is pressed. (Normal shooting mode, single-frame shooting)
- HI**  Pictures can be taken at a faster speed than normal sequential shooting.
Approx. 5 frames at 1.6 frames/sec.
-  The focus is locked at the first frame. The sequential shooting speed varies depending on the Record mode setting.
Approx. 17 frames (in HQ mode) can be taken in sequence.
- AF**  Adjusts the focus 1 frame at a time. The AF sequential shooting speed is slower than normal sequential shooting.
- BKT** When auto bracketing is set, the exposure is changed automatically for each frame while holding down the shutter button. The exposure differential and number of frames can be selected in the menus. The focus and white balance are locked at the first frame.

En

 MENU FUNCTIONS - Mode menus

METERING

There are four ways of measuring the brightness of a subject. Select the way best suited to your purpose.

- Digital ESP metering  : Meters the center of the subject and the surrounding area separately.
- Spot metering  : Exposure is determined by metering within the metering target area. In this mode, a subject can be shot with optimal exposure regardless of the background light.
- Multi-metering **MULTI**  : Meters the brightness of the subject at up to 8 different points to set the optimal exposure based on the average brightness. This method is useful with a high contrast subject.
- Center-weighted metering  : Meters the brightness over a wide area with emphasis on the center of the screen. This method is used when you do not want to let the brightness of the surrounding area affect the picture.

 MODE DIAL AND DIRECT BUTTON FUNCTIONS - Direct buttons

■ AE LOCK

This function is suitable for situations when optimal exposure is difficult to achieve, such as when there is excessive contrast between the subject and the surroundings.


 MODE DIAL AND DIRECT BUTTON FUNCTIONS - Direct buttons

■ MACRO MODE SHOOTING

The macro mode allows you to shoot at a distance of 20 cm to 80 cm (0.7 ft. to 2.6 ft.) from your subject.

 MODE DIAL AND DIRECT BUTTON FUNCTIONS - Direct buttons

■ SUPER MACRO MODE SHOOTING

This mode lets you shoot from as close as 5 cm (2.0") from your subject. In the  mode, normal shooting is also possible, but the zoom cannot be used.

 MODE DIAL AND DIRECT BUTTON FUNCTIONS - Direct buttons

■ MANUAL FOCUS


If auto focus is unable to focus on a subject, use manual focus.

 MODE DIAL AND DIRECT BUTTON FUNCTIONS - Direct buttons

En

PLAYBACK

VIEWING STILL PICTURES

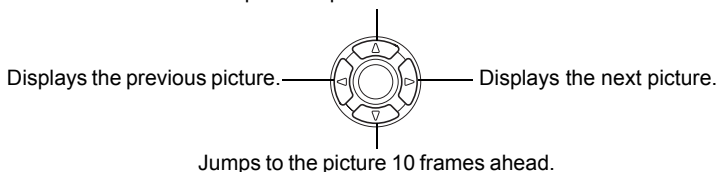
1 Set the mode dial to  (playback mode) and turn the camera on.

- The last picture taken is displayed. (Single-frame playback)
- Shooting information is displayed for about 3 seconds. You can change how much information is displayed on the screen.

2 Use the arrow pad or control dial to play back other pictures.

- **Arrow pad**

Jumps to the picture 10 frames back.



- **Control dial**

Displays the previous picture. —  — Displays the next picture.

En


QUICK VIEW

This function lets you play back pictures while the camera is in the shooting mode. This is useful when you want to check shooting results and resume shooting quickly.

- 1 Press the QUICK VIEW button in the shooting mode.**
- 2 Press the QUICK VIEW button again to return to the shooting mode.**

Close-up playback

Pictures displayed on the monitor can be enlarged 2, 3, 4 or 5 times. This function is useful when you want to check the details of a picture.

- 1 Select the still picture you want to enlarge.**
 - You cannot enlarge pictures with .
- 2 Turn the zoom lever toward T (Q).**
 - To return the picture to the original size (1x), turn the zoom lever toward W.

Index display

This function lets you show several pictures at the same time on the monitor. It is useful for quickly finding the picture you want to view. The number of pictures shown can be 4, 9 or 16.

1 In the single-frame playback mode, turn the zoom lever toward W ().

- Use the arrow pad to select the picture.
- To return to the single-frame playback, turn the zoom lever toward T.

VIEWING MOVIES

This function lets you play back movies. You can fast forward the movie, play it back one frame at a time or save selected frames as still pictures (capture, SHQ only).

1 Set the mode dial to and turn the camera on.

- The monitor turns on.

2 Use the arrow pad or control dial to display the picture with you want to play back.

3 Press .




- The top menu is displayed.


4 Press to select MOVIE PLAY.

5 Press to select MOVIE PLAYBACK, then press .


- The movie is played back. When playback ends, the display automatically returns to the beginning of the movie.


The following operations can be performed during movie playback.

 appears on movies that have sound recorded. Pressing   lets you adjust the sound volume during playback.

 : Increases the volume.

 : Reduces the volume.

 : Plays the movie at double the normal speed. Holding the button down increases the speed to 20 times the normal speed.

 : Plays the movie in reverse at double the normal speed. Holding the button down increases the speed to 20 times the normal speed.

 : Pauses playback and displays the MOVIE PLAYBACK menu.






En

6 Press .

- The MOVIE PLAYBACK menu is displayed.
- | | |
|-----------------------|--|
| PLAYBACK | Plays back the entire movie again. |
| FRAME BY FRAME | Plays back the movie manually one frame at a time. |
| CAPTURE | Cuts one frame from the movie and saves it as a still picture. |
| | If the movie is recorded in the record mode other than SHQ, this cannot be selected. |
| EXIT | Leaves the movie playback mode. |

7 Press   to select **PLAYBACK, FRAME BY FRAME, CAPTURE** or **EXIT**, then press .











If you selected FRAME BY FRAME

-  : Displays the first frame of the movie.
-  : Displays the last frame of the movie.
-  : Displays the next frame. The movie can be played continuously by holding the button down.
-  : Displays the previous frame. The movie can be played continuously in reverse by holding the button down.
-  : Displays the MOVIE PLAYBACK menu.



En




If you selected CAPTURE

- ① **Play back the movie one frame at a time until the frame you want to save as a still picture is displayed.**
- ② **Press** .
- ③ **Press**   to select **CAPTURE**, then **press** .
- ④ **Press**   to select the card, then **press** .
 - If only one card is inserted, skip this step.
 - When there is insufficient card memory, the display returns to the MOVIE PLAYBACK menu.
- ⑤ **Press**   to select **OK**, then **press** .
 - A still picture is created from the extracted movie frame and the display returns to the MOVIE PLAYBACK menu.



PROTECTING PICTURES

You are recommended to protect important pictures to avoid accidentally erasing them. Protected pictures cannot be erased by the single-frame/all-frame erase function.

- 1 Set the mode dial to  and turn the camera on.**
 - The monitor turns on.
- 2 Use the arrow pad or control dial to display the picture you want to protect.**
- 3 Press .**
 - To cancel protection, press  again.



Note

- Protected pictures cannot be erased by the single-frame/all-frame erase function, but they are all erased by formatting.

ERASING PICTURES

This function lets you erase recorded pictures. Single-frame erase erases only the picture displayed on the monitor and all-frame erase erases all the pictures on the card.









Note









- Once erased, pictures cannot be restored. Check each picture before erasing to avoid accidentally erasing pictures you want to keep.

En

Single-frame erase

- 1 Set the mode dial to  and turn the camera on.**
 - The monitor turns on.
- 2 Use the arrow pad or control dial to display the picture you want to erase.**
- 3 Press .**
 - The  ERASE screen is displayed.
- 4 Press   to select YES, then press .**
 - The picture is erased and the menu is closed.

All-frame erase

- 1 In the top menu, select MODE MENU → CARD → CARD SETUP, and press .**
- 2 Press   to select  ALL ERASE, then press .**
- 3 Press   to select YES, then press .**
 - All the pictures are erased.

■ FORMATTING (CARD SETUP)

This function lets you format a card. Formatting prepares cards to receive data. Before using non-Olympus cards or cards which have been formatted on a PC, you must format them with this camera.



Note

- All data stored on the card, including protected pictures, is erased when the card is formatted. When formatting a used card, confirm there are no pictures that you still want to keep on the card.

1 In the top menu, select **MODE MENU** → **CARD** → **CARD SETUP**, and press

- **P A S M**

The **FORMAT** screen is displayed.

-

The **CARD SETUP** screen is displayed.

2 If the mode dial is set to **P A S M** , press to select **YES**.

If the mode dial is set to , press to select **FORMAT**, then press . The **FORMAT** screen is displayed. Press to select **YES**.

En

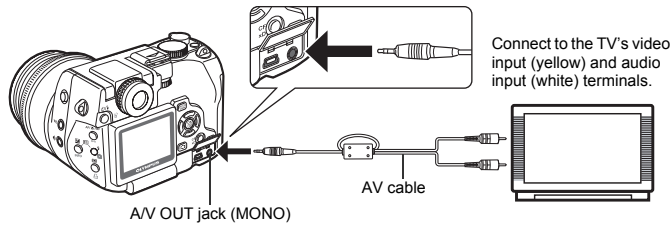
3 Press .


- The **BUSY** bar is displayed and the card is formatted.

PLAYBACK ON TV

Use the AV cable provided with the camera to play back recorded images on your TV. Both still pictures and movies can be played back.

- 1 **Make sure that the TV and camera are turned off.**
Connect the A/V OUT jack on the camera to the video input terminal on the TV using the AV cable.



- 2 **Turn the TV on and set it to the video input mode.**
 - For details of switching to video input, refer to your TV's instruction manual.
- 3 **Set the mode dial to  and turn the camera on.**
 - The last picture taken is displayed on the TV. Use the arrow pad to select the picture you want to display.
 - The close-up playback, index display and slideshow and other playback functions can also be used on a TV screen.



Note

- You are recommended to use the optional AC adapter when using the camera with a TV.
- Make sure that the camera's video output signal type is the same as the TV's video signal type.

En

PRINT RESERVATION/DIRECT PRINT

PRINT RESERVATION

DPOF is short for Digital Print Order Format. DPOF is the format used to record automatic print information from digital cameras.

If a card containing print reservation data is taken to a photo lab or a print shop that supports the DPOF format, the pictures can be printed according to the DPOF reservations. Or pictures can be printed out at home on a personal DPOF-compatible printer.

All-frame reservation

Use this feature to print all the pictures stored on the card. Select the desired number of prints and whether you want the date and time included.

Single-frame reservation

Use this feature to print only selected pictures. It is also used to change the reserved number of prints and the date/time settings. Display the frame to be printed and select the desired number of prints.

Resetting the print reservation data

This function allows you to reset all the print reservation data for pictures stored on the card.

En

DIRECT PRINT

By connecting the camera to a PictBridge-compatible printer with the USB cable, you can print out recorded pictures directly without the use of a computer.

PictBridge is the standard for connecting digital cameras and printers of different makers and printing out pictures directly.

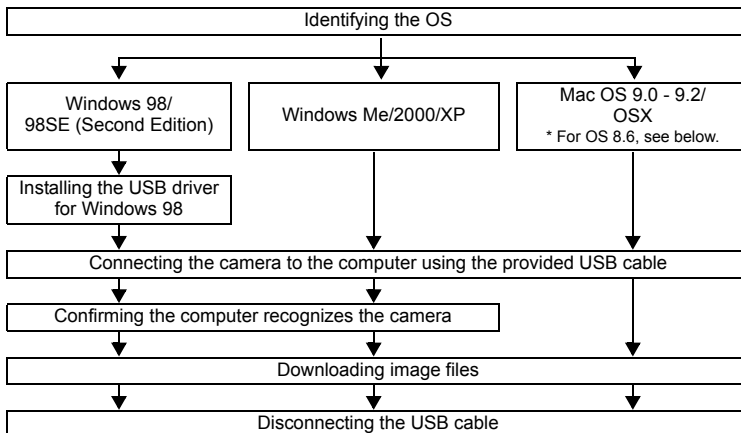
- PRINT** Prints the selected picture.
- ALL PRINT** Prints all the pictures stored on the card.
- MULTI PRINT *** Prints one picture in multiple layout format.
- ALL INDEX *** Prints an index of all the pictures stored on the card.
- PRINT ORDER *** Prints the pictures according to the print reservation data on the card. If no print reservations have been made, this option is not available.

* This option may not be available depending on the type of printer.

[For more details, refer to the "Reference Manual" on CD-ROM.]

DOWNLOADING PICTURES TO A COMPUTER

By connecting the camera to a computer with the provided USB cable, images on a card can be transferred to the computer. Some OS's (operating systems) may need a special setup before connecting to the camera for the first time. Follow the chart below. For details of the procedures in the chart, refer to the "Reference Manual" on the software CD. Also refer to the "Software Installation Guide" included in the CD-ROM package.



En

* Even if your computer has a USB connector, data transfer may not function correctly if you are using one of the operating systems listed below or if you have an add-on USB connector (extension card, etc.).

- Windows 95/NT 4.0
- Windows 98/98SE upgrade from Windows 95
- Mac OS 8.6 or lower (except Mac OS 8.6 equipped with USB MASS Storage Support 1.3.5 installed at the factory)
- Data transfer is not guaranteed on a home-built PC system or PCs with no factory installed OS.



Note



- You can view images using: graphics applications that support the JPEG file format (Paint Shop Pro, Photoshop, etc.); Internet browsers (Netscape Communicator, Microsoft Internet Explorer, etc.); CAMELIA Master software; or other software. For details on using commercial graphics applications, refer to their instruction manuals.
- QuickTime is needed for playing back movies. QuickTime is included on the provided software CD.
- If you want to process images, make sure to download them to your computer first. Depending on the software, image files may be destroyed if the images are processed (rotated, etc.) while they are on the card.

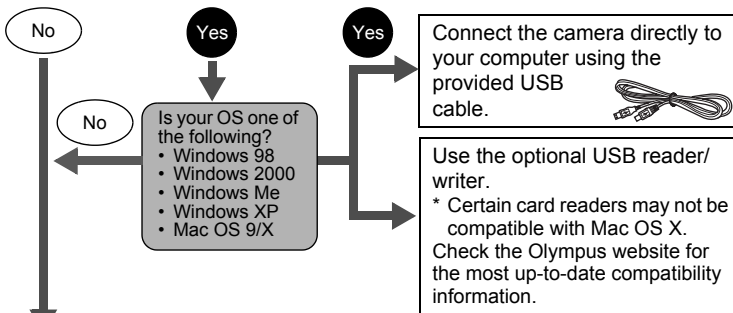
FOR OTHER OS USERS

Users running other OS cannot use the provided USB cable to connect the camera directly to a computer.

- Windows 95
- Windows NT
- Mac OS before OS 9

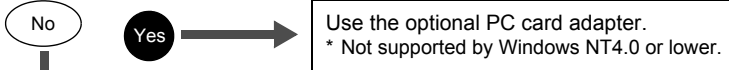
You can download images directly to your computer using a PC card adapter.

Does your computer have a USB interface?
The USB port is indicated by a  mark. Check that the port has the  mark.



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Does your computer have a built-in PC card slot?



Consult your nearest Olympus representative.

*For more details, refer to the "Reference Manual" on CD-ROM.
For connection to the PC, refer to the "Software Installation Guide" included in the CD-ROM package.*

ERROR CODES

Monitor indication	Possible cause	Corrective action
 NO CARD	The card is not inserted, or it cannot be recognized.	Insert a card or insert a different card. If the problem persists, format the card. If the card cannot be formatted, it cannot be used.
 CARD ERROR	There is a problem with the card.	This card cannot be used. Insert a new card.
 WRITE-PROTECT	Writing to the card is prohibited.	The recorded image has been protected (read-only) on a PC. Download the image to a PC and cancel the read-only setting.
 CARD FULL	The card is full. No more pictures, movies or information such as print reservations can be recorded.	Replace the card or erase unwanted pictures. Before erasing, download important images to a PC.
 NO PICTURE	There are no pictures on the card.	The card contains no pictures. Record pictures.
 PICTURE ERROR	There is a problem with the selected picture and it cannot be played back on this camera.	Use image processing software to view the picture on a PC. If that cannot be done, the image file is damaged.
 CARD COVER OPEN	The card cover is open.	Close the card cover.
 FILE SIZE SELECTED TOO LARGE	The card is not formatted.	Format the card. All data on the card will be deleted.
	Files with a volume of 57 MB or over (movies of over approx. 64 sec. (SHQ), 70 sec. (HQ) or 685 sec. (SQ)) cannot be copied.	Avoid selecting movies of the type listed left for copying.

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SPECIFICATIONS

Product type	: Digital camera (for shooting and displaying)
Recording system	
Still picture	: Digital recording, TIFF (non-compression), JPEG (in accordance with Design rule for Camera File system (DCF)), RAW Data
Applicable standards	: Exif 2.2, Digital Print Order Format (DPOF), PRINT Image Matching II, PictBridge
Sound with still pictures	: Wave format
Movie	: QuickTime Motion JPEG support
Memory	: xD-Picture Card (16-512MB), CompactFlash, Microdrive* *340 MB Microdrive cannot be used.
Recording image resolution	: 3264 × 2448 pixels (RAW, TIFF, SHQ, HQ) 3264 × 2176 pixels (3:2, TIFF, SHQ, HQ) 2592 × 1944 pixels (TIFF, SQ1) 2288 × 1712 pixels (TIFF, SQ1) 2048 × 1536 pixels (TIFF, SQ1) 1600 × 1200 pixels (TIFF, SQ2) 1280 × 960 pixels (TIFF, SQ2) 1024 × 768 pixels (TIFF, SQ2) 640 × 480 pixels (TIFF, SQ2)
No. of storable pictures	
When a 32 MB card is used (without sound)	: Approx. 2 frames (RAW : 3264 × 2448) Approx. 1 frames (TIFF : 3264 × 2448) Approx. 8 frames (SHQ : 3264 × 2448) Approx. 16 frames (HQ : 3264 × 2448) Approx. 40 frames (SQ1 : 2048 × 1536 NORMAL) Approx. 331 frames (SQ2 : 640 × 480 NORMAL)
No. of effective pixels	: 8,000,000 pixels
Image pickup device	: 1/1.8" CCD solid-state image pickup, 8,310,000 pixels
Lens	: Olympus lens 7.1 mm to 35.6 mm, f2.4 to f3.5, 14 elements in 5 groups (equivalent to 28 mm to 140 mm lens on 35 mm camera)
Photometric system	: Digital ESP metering, spot metering system, center-weighted metering system
Aperture	: f2.4 to f8.0
Shutter speed	: 16 to 1/4000 sec. (bulb mode: max. 8 min.)
Shooting range	: 0.8 m (2.6 ft.) to ∞ (normal) 0.2 m to 0.8 m (0.7 ft to 2.6 ft.) (macro mode)
Viewfinder	: 0.44" TFT color LCD display, 240,000 pixels

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Monitor	: 1.8" TFT color LCD display, 134,000 pixels
Autofocus	: Dual autofocus Contrast detection system, Phase-difference detection system
Outer connector	: DC-IN jack, USB connector (mini-B), A/V OUT jack
Automatic calendar system	: 2000 up to 2099
Operating environment	
Temperature	: 0°C to 40°C (32°F to 104°F) (operation) -20°C to 60°C (-4°F to 140°F) (storage)
Humidity	: 30% to 90% (operation)/10% to 90% (storage)
Power supply	: Only an Olympus BLM-1 lithium-ion battery AC adapter specified by Olympus (optional)
Dimensions	: 124 mm (W) × 84.5 mm (H) × 99 mm (D) (4.9" × 3.3" × 3.9") (excluding protrusions)
Weight	: Approx. 510 g (1.1 lb.) (without battery and card)

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT ANY NOTICE OR OBLIGATION ON THE PART OF THE MANUFACTURER.

Lens filter

A lens filter can be fitted to the lens. For more information, please refer to our web site.
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