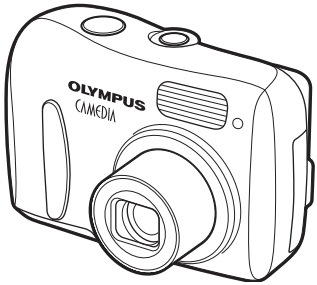
OLYMPUS®

CAMEDIA
DIGITAL CAMERA

D-535 ZOOM
C-370 ZOOM
X-450

REFERENCE MANUAL



- Thank you for purchasing an Olympus digital camera. Before you start to use your new camera, please read these instructions carefully to enjoy optimum performance and a longer service life. Keep this manual in a safe place for future reference.
- We recommend that you take test shots to get accustomed to your camera before taking important photographs.
- Screen and camera illustrations shown in this manual may differ from those of the actual product.

For customers in North and South America

For customers in USA

Declaration of Conformity

Model Number	: D-535 ZOOM/C-370 ZOOM/X-450
Trade Name	: OLYMPUS
Responsible Party	: OLYMPUS IMAGING AMERICA INC.
Address	: Two Corporate Center Drive, PO Box 9058, Melville, New York 11747-9058 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.

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).

Composition of the manual

	Contents	P.4	
Introduction of the camera's functions.	**Getting started**	P.8	1
	About the menus	P.31	2
Basic and advanced photography for various subjects.	**Shooting**	P.36	3
For playing back and erasing pictures.	**Playback**	P.62	4
Settings that make the camera easier to operate.	**Useful functions**	P.76	5
Printing pictures.	**Print setting (DPOF)**	P.84	6
	Direct printing (PictBridge)	P.91	7
Downloading images to a PC for displaying.	**Connecting to a computer**	P.103	8
Troubleshooting and other information.	**Miscellaneous**	P.124	9
	Specifications	P.137	
	Glossary of terms	P.139	
	Index	P.141	

Contents

Composition of the manual 3

1 Getting started 8

Names of parts 8
Camera 8
Monitor indications 10
How to use this manual 13
Attaching the strap 14
Loading the batteries 15
Selecting optional batteries or an AC adapter 17
About the internal memory and the card 19
Internal memory basics 19
Relationship between the internal memory and the card 19
Inserting a card (Optional) 20
Card basics 20
Power on/off 24
Switching between the shooting mode and the playback mode 25
Selecting a language 26
Setting the date and time 28

2 About the menus 31

How to use the menus 31
Menus 33
Shooting mode 33
Playback mode 34

3 Shooting 36

Shooting mode 36
Taking still pictures 39
If correct focus cannot be obtained 42
Determine the position of the subject after focusing (Focus Lock) 42
Subjects that are difficult to focus on 44
Recording movies 45
Zoom 47
Using the flash 49
Macro mode shooting 53
Self-timer shooting 55
Selecting a record mode 57
Varying the image brightness (Exposure compensation) 60

4 Playback 62

Viewing still pictures 62
Close-up playback 64
Picture rotation 65
Index display 66
Selecting the number of pictures 67
Slideshow 68
Playback on TV 69
Viewing movies 71
Protecting pictures 73
Erasing pictures 74
Single-frame erase 74
All-frame erase 75

5 Useful functions 76

RESET - Resetting the settings to the default 76
Formatting the internal memory/card 78
BACKUP - Copying pictures to a card 80
SLEEP - Setting the time period to switch to the sleep mode 81
PIXEL MAPPING - Checking the image processing functions 82
VIDEO OUT - Setting the output signal type 83

6 Print setting (DPOF) 84

With print reservation 84
All-frame reservation 86
Single-frame reservation 88
Resetting print reservation data 90

7 Direct printing (PictBridge) 91

Using the direct printing function 91
Connecting the camera to a printer 92
Printing pictures 93
    Using the simple print method 94
    PRINT mode 95
    PRINT ORDER mode 99
Exiting direct printing 101
If an error code is displayed 102

8 Connecting to a computer 103

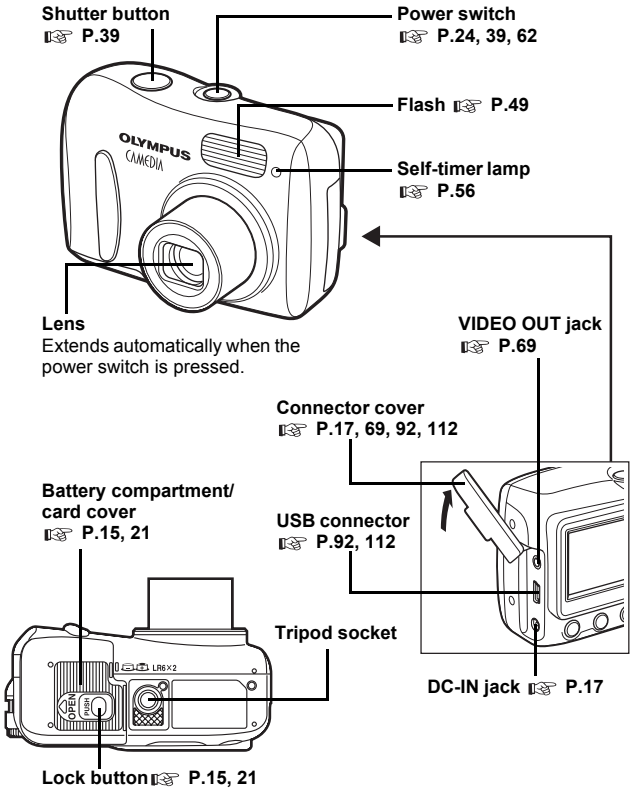
Flow 103
Using OLYMPUS Master 105
What is OLYMPUS Master? 105
Installing OLYMPUS Master 106
Connecting the camera to a computer 112
Starting up OLYMPUS Master 114
Displaying camera images on a computer 116
Downloading and saving images 116
Viewing still pictures and movies 119
Printing pictures 121
Saving images to a computer without using OLYMPUS Master 123

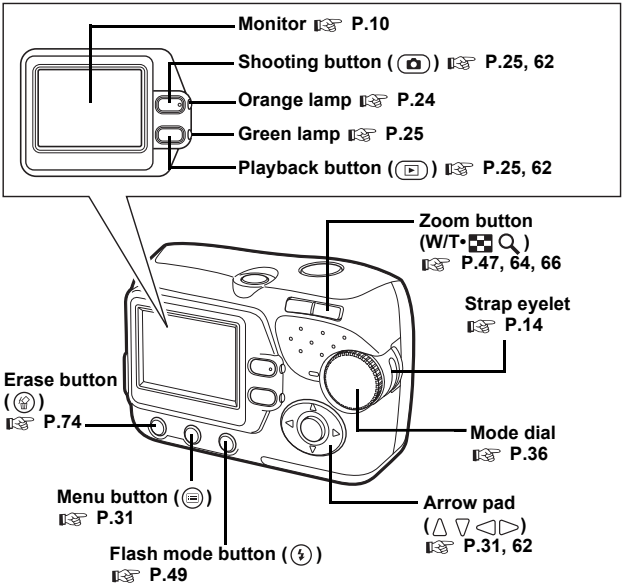
9 Miscellaneous 124

Error codes 124
Troubleshooting 126
List of menus 132
List of factory default settings 134
List of items by shooting mode 135
Camera maintenance 136
Specifications 137
Glossary of terms 139
Index 141

Names of parts

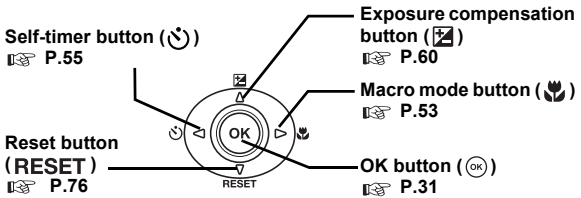
Camera





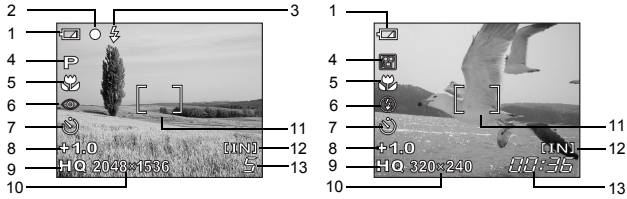
Arrow pad

Buttons on the arrow pad have their respective functions. They are also used as direction buttons. △ , ▽ , ◁ and ▷ indicate which button to be pressed.



Monitor indications

●Shooting mode

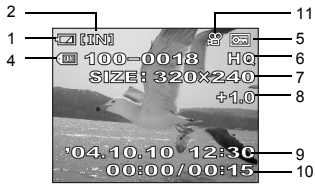


	Items	Indications	Ref. Page
1	Battery check	,	P.12
2	Green lamp	○	P.39
3	Flash standby Camera movement warning/ Flash charge	(Lit) (Blinks)	P.50
4	Shooting mode	P , , , , ,	P.36
5	Macro mode	,	P.53
6	Flash mode	, ,	P.49
7	Self-timer		P.55
8	Exposure compensation	-2.0 – +2.0	P.60
9	Record mode	SHQ, HQ, SQ1, SQ2	P.57
10	Resolution	2048×1536, 1600×1200, 640×480, etc.	P.57
11	AF target mark	[ ]	P.39
12	Current memory *	[IN], [xD]	P.19
13	Number of storable still pictures Remaining recording time	5 00:36	P.39 P.45

* The [IN] indicator is displayed when you are storing pictures in the camera's internal memory. The [xD] indicator is displayed when the card is inserted.

● Playback mode

Still picture



Movie

	Items	Indications	Ref. Page
1	Battery check	,	P.12
2	Current memory *	[IN], [xD]	P.19
3	Print reservation, Number of prints	x 10	P.84
4	File number	100-0018	P.84
5	Protect		P.73
6	Record mode	SHQ, HQ, SQ1, SQ2	P.57
7	Resolution	2048×1536, 1600×1200, 640×480, etc.	P.57
8	Exposure compensation	-2.0 – +2.0	P.60
9	Date and time	'04.10.10 12:30	P.28
10	Number of frames Elapsed time/Total recording time (movie)	18 00:00/00:15	– P.71
11	Movie		P.71

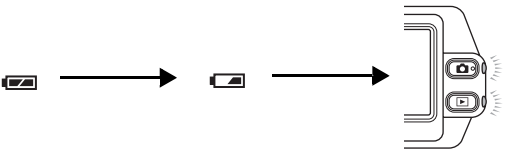
* The [IN] indicator is displayed when you are storing pictures in the camera's internal memory. The [xD] indicator is displayed when the card is inserted.

Note

- After the camera is left idle for 3 seconds, indications such as the number of frames, date and time disappear automatically.
- 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.

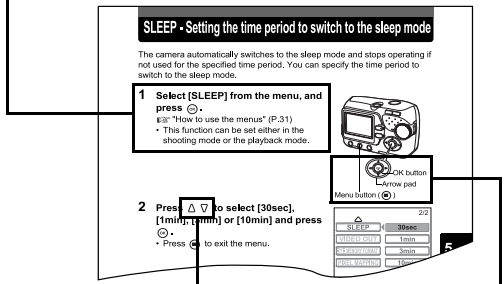
● Battery check

If the remaining battery power is low, the battery check indication on the monitor changes as follows while the camera is turned on.



Lit (Green) (The indicator turns off after a while)	Blinks (Red)	The green lamp and the orange lamp on the camera blink.
Remaining power level: high.	Remaining power level: low. Prepare new batteries.	Remaining power level: exhausted. Replace with new batteries.

How to use this manual



This sample page is only for your reference. It may differ from the actual page in this manual.

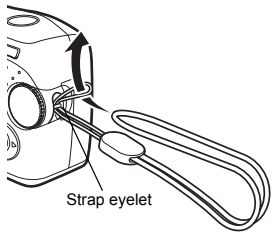
Indications used in this manual

Note	Important information on factors which may lead to malfunctions or operational problems. Also warns of operations that should be absolutely avoided.
	Useful information and hints that will help you get the most out of your camera.
☞	Reference pages describing details or associated information.

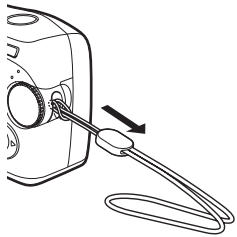
Attaching the strap

1 **Thread the short end of the strap through the strap eyelet.**

2 **Thread the long end of the strap through the loop that has already gone through the eyelet.**



3 **Pull the strap tight, making sure that it is securely fastened and does not come loose.**



Note

- Be careful with the strap when you carry the camera, as it can easily catch on stray objects, causing serious damage.
- Attach the strap correctly following the procedure so that the camera does not fall off. If the strap is attached incorrectly and the camera falls off, Olympus is not responsible for any damages.

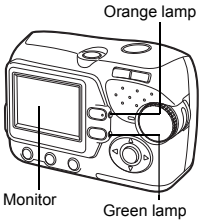
Loading the batteries

This camera uses 2 AA (R6) NiMH batteries or alkaline batteries.
When you use rechargeable batteries, charge the batteries before use.

Important
Manganese (zinc-carbon) batteries and lithium battery packs (CR-V3) cannot be used.

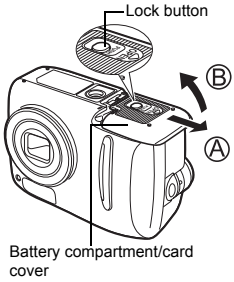
1 Make sure the camera is turned off.

- The monitor is off.
- The green lamp and the orange lamp on the camera are off.
- The lens is not extended.



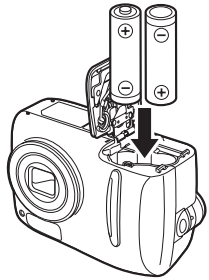
2 Holding the lock button, slide the battery compartment/card cover in the direction of Ⓐ, and then lift it in the direction of Ⓑ.

- Use the ball of your finger to slide the cover. Do not use your fingernail as this could result in injury.
- With the bottom of the camera facing up, open the battery compartment/card cover as shown in the illustration.



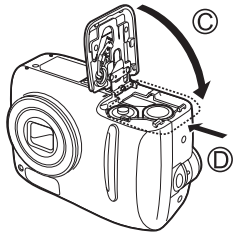
3 Insert the batteries, making sure that they are correctly oriented as shown in the illustration.

- The battery insertion direction is indicated in the battery compartment and on the bottom of the camera.



4 Holding the batteries down with the battery compartment/card cover, close the cover in the direction of Ⓒ and slide it in the direction of Ⓓ.

- If the battery compartment/card cover is hard to close, do not force it. With the battery compartment/card cover shut, press the OPEN mark firmly and push it in the direction of Ⓓ.



Note

- If the camera is left for about 1 day with the batteries removed, the date and time setting will revert to the factory default setting.

Precautions when using batteries

The amount of power consumed varies considerably depending on the operations performed on the digital camera. If you use exhausted batteries or alkaline batteries, the camera may turn off without displaying the battery level warning (P.12).

Selecting optional batteries or an AC adapter

In addition to the batteries provided with the camera, the following types of battery or AC adapter can be used. Choose the power source best suited to the situation.

● NiMH batteries (Rechargeable batteries)

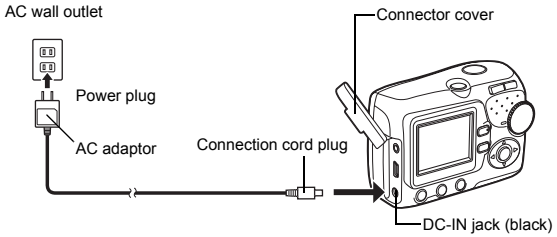
Olympus NiMH batteries are rechargeable and economical. However, charging the batteries repeatedly before using up their capacity will shorten the life of the batteries per charge gradually.

● AA (R6) alkaline batteries

When you need batteries in a hurry, you can use AA (R6) alkaline batteries, which are easy to obtain anywhere. However, the number of pictures that you can take may vary considerably depending on the battery manufacturer, shooting conditions, etc.

● AC adapter

An optional Olympus CAMEDIA-brand AC adapter allows you to power your digital camera from a common AC wall outlet. Be sure to use the specified AC adapter. An AC adapter is useful for time-consuming tasks such as downloading or printing out of images.
Use an AC adapter designed to operate on the AC voltage in the area the camera is being used.
Consult your nearest Olympus dealer or Service center for details.



Note

- Manganese (zinc-carbon) batteries and lithium battery packs (CR-V3) cannot be used.
- If the battery power runs out while the camera is connected to a PC or printer, the image data may be lost or damaged. You are recommended to use the AC adapter when transferring images to a PC. Do not connect or disconnect the AC adapter while the camera is communicating with the PC or printer.
- Do not remove or load the batteries or connect or disconnect the AC adapter while the camera is turned on. Doing so could affect the camera's internal settings or functions.
- The life of batteries may vary according to the type of battery, manufacturer, shooting conditions, etc.
- Power is consumed continuously during the conditions below. This could shorten the life of the batteries.
  - When the monitor is in the playback mode for an extended period of time.
  - Repeated zoom adjustments.
  - Repeated auto-focus by depressing the shutter button halfway.
  - When the camera is connected to a PC or printer.
- Carefully read the AC adapter's instructions before use.
- When using an AC adapter, the AC adapter supplies power to the camera even if batteries are loaded in the camera. The AC adapter does not charge batteries in the camera.

About the internal memory and the card

Images taken are stored in the internal memory.
You can also use an optional xD-Picture Card (referred to as “card” in this manual) to store images. The card has greater capacity than the internal memory, and so, is able to store more images. The card is convenient, for example, when you are traveling and you want to take a lot of pictures.

Internal memory basics

The internal memory corresponds to a film of normal camera for recording pictures you have taken.
Pictures recorded and stored in the internal memory can easily be erased, overwritten, and/or edited on a PC. The internal memory cannot be replaced or removed from the camera.

Relationship between the internal memory and the card

The monitor displays which type of the memory (internal or card) is being used for shooting and displaying images.

Shooting mode **Playback mode**

Monitor indications	Shooting mode	Playback mode
[IN]	Stores to the internal memory.	Plays the images stored in the internal memory.
[xD]	Stores to the card.	Plays the images stored on the card.

- The internal memory and the card cannot be used at the same time.
- When the card is inserted, the internal memory is disabled.
- When you want to use the internal memory, remove the card.
- You can copy all the image data stored in the internal memory to a card.
  ☞ "BACKUP - Copying pictures to a card" (P.80)

Inserting a card (Optional)

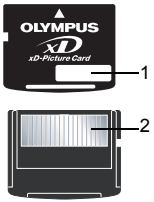
An optional card (xD-Picture Card) is available for this camera.

Card basics

The card corresponds to a film of normal camera for recording the pictures you have taken.
Pictures recorded and stored on the card can easily be erased, overwritten, and/or edited on a PC.
Using a card with larger capacity increases the number of images you can record.

1 Index area
You can write down the card's contents.

2 Contact area
Comes into contact with the camera's signal read contacts.

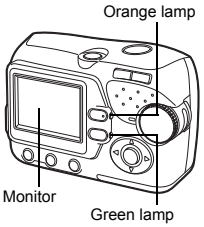


Compatible cards
- xD-Picture Card (16 to 512 MB)

Note
- This camera may not recognize a non-Olympus card or a card that was formatted on another device (such as a PC, etc.). Before use, be sure to format the card on this camera. ☞ "Formatting the internal memory/ card" (P.78)

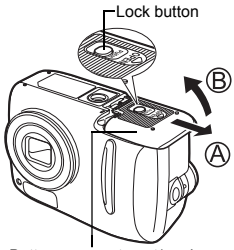
1 Make sure the camera is turned off.

- The monitor is off.
- The green lamp and the orange lamp on the camera are off.
- The lens is not extended.



2 Holding the lock button, slide the battery compartment/card cover in the direction of Ⓐ, and then lift it in the direction of Ⓑ.

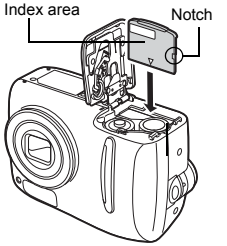
- Use the ball of your finger to slide the cover. Do not use your fingernail as this could result in injury.
- With the bottom of the camera facing up, open the battery compartment/card cover as shown in the illustration.

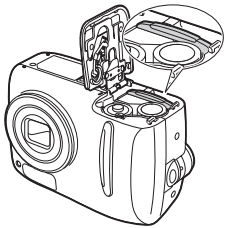


Inserting the card

3 Face the card the correct way and insert it into the card slot as shown in the illustration.

- Insert the card while keeping it straight.
- The card stops with a click when it is inserted all the way.
- Inserting the card the wrong way or at an angle could damage the contact area or cause the card to jam.
- If the card is not inserted all the way, data may not be written to the card.



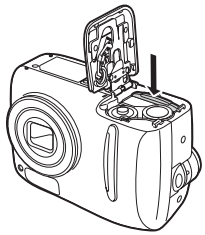


The position of the card inserted correctly

Removing the card

3 Push the card all the way in to unlock it, and let it return slowly.

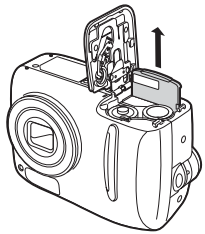
- The card is ejected a short way and then stops.



Note

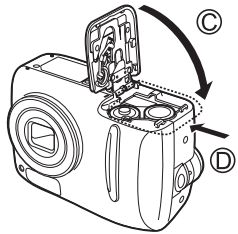
Releasing your finger quickly after pushing the card all the way in may cause it to eject forcefully out of the slot.

- Hold the card straight and pull it out.



4 Holding the batteries down with the battery compartment/card cover, close the cover in the direction of Ⓒ and slide it in the direction of Ⓓ.

- If the battery compartment/card cover is hard to close, do not force it. With the battery compartment/card cover shut, press the OPEN mark firmly and push it in the direction of Ⓓ.

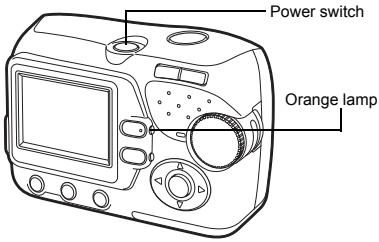


Note

- Do not press on the card with hard or pointed items such as ballpoint pens.
- Never open the battery compartment/card cover, remove the card or the batteries while the camera is turned on. Doing so may destroy all data in the internal memory or on the card. Destroyed data cannot be restored. When changing the card, be sure to turn the camera off before opening the cover.
- Do not place a sticker or label on the card as this could prevent the card from being ejected.

Power on/off

Power on: **Press the power switch.**
The lens extends and the subject is displayed on the monitor. The orange lamp lights.
The camera is ready for shooting (shooting mode).

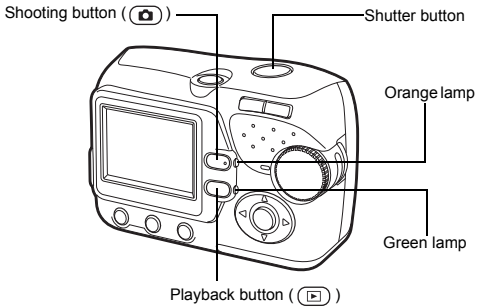


Power off: **Press the power switch.**
The camera turns off. (The monitor also turns off.)
The orange lamp goes out.

TIPS

- To save battery power, the camera automatically enters to the sleep mode and stops operating if not used for 30 seconds. The monitor switches off automatically. Press the shutter button, (📷) or (▶) to turn the monitor on.You can select the length of time after which the camera automatically enters to the sleep mode.
  ☞ "SLEEP - Setting the time period to switch to the sleep mode" (P.81)
- If the camera is not operated for 15 minutes after the camera enters sleep mode, it automatically retracts the lens and turns off. To resume operation, turn on the power again.

Switching between the shooting mode and the playback mode



Switching to the shooting mode (Shooting mode)

- The object is displayed on the monitor.
- The orange lamp lights.

Press the ( ).

Press the ( ) or the shutter button.

Switching to the playback mode (Playback mode)

- The last taken picture is displayed on the monitor.
- The green lamp on the camera lights.

TIPS

- When the camera turns on, the monitor may light up momentarily and a picture may be displayed briefly. This is not a malfunction.

Note

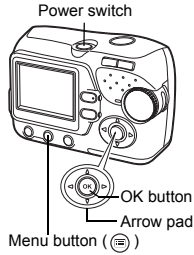
- Never open the battery compartment/card cover, remove the card or the batteries, or connect or disconnect the AC adapter while the camera is turned on. Doing so may destroy all data in the internal memory or on the card. Destroyed data cannot be restored. When changing the card, be sure to turn the camera off before opening the cover.

Selecting a language

You can select a language for on-screen display. This reference manual shows the English on-screen display in the illustrations and explanations. Available languages vary depending on the area where you purchased this camera.

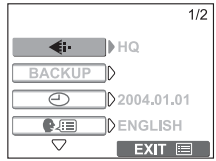
1 Press the power switch.

- The camera turns on in the shooting mode.
- The lens extends and the monitor turns on.
- The orange lamp lights.



2 Press .

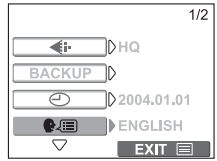
- The menu screen is displayed.



Menu screen

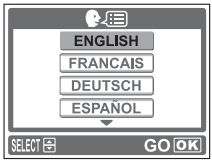
3 Press △ ▽ on the arrow pad to select [ ].

- The selected item is displayed in yellow.



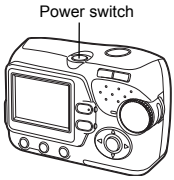
4 Press or ▷.

5 **Press △ ▽ to select a language, and press (OK).**



6 **Press (MENU) to exit the menu.**

7 **Press the power switch to turn the camera off.**



TIPS

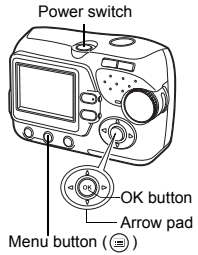
- The language can also be set from the playback mode.

Setting the date and time

Before using the camera, set the date and time.
The date and time will be useful information when you manage pictures on your PC or print them.

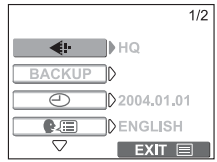
1 Press the power switch.

- The camera turns on in the shooting mode.
- The lens extends and the monitor turns on.
- The orange lamp lights.



2 Press .

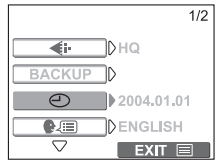
- The menu screen is displayed.



Menu screen

3 Press △ ▽ on the arrow pad to select [ ].

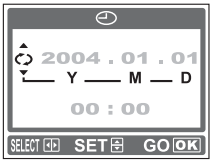
- The selected item is displayed in yellow.



4 Press or ▷.

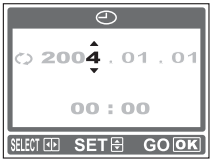
5 **Press △ ▽ to select one of the following date formats: Y-M-D (Year/Month/Day), M-D-Y (Month/Day/Year), D-M-Y (Day/Month/Year). Then press ▷.**

- Move to the year setting.
- The following steps show the procedure used when the date and time settings are set to Y-M-D.



6 **Press △ ▽ to set the year, and press ▷ to move to the month setting.**

- To move back to the previous setting, press ◁.
- The first two digits of the year are fixed.



7 **Repeat this procedure until the date and time are completely set.**

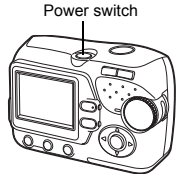
- The camera only displays the time in 24-hour time system (“2 p.m.” would be “14:00”).

8 **Press ⓞ.**

- For a more accurate setting, press ⓞ when the time signal hits 00 seconds. The clock starts when you press the button.

9 **Press ⓜ to exit the menu.**

10 Press the power switch to turn the camera off.



TIPS

- The date and time can also be set from the playback mode.

Note

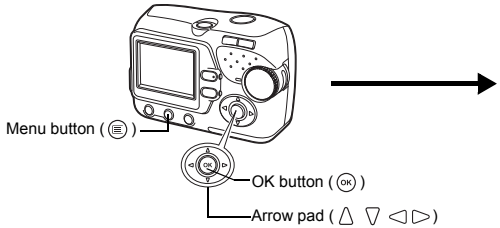
- The current settings are retained even when the power is turned off.
- The date and time settings will be returned to the factory default settings if the camera is left without the battery for approximately 1 day. The settings will be canceled more quickly if the batteries were only loaded in the camera for a short time before being removed. Before taking important pictures, check that the date and time settings are correct.

2 About the menus

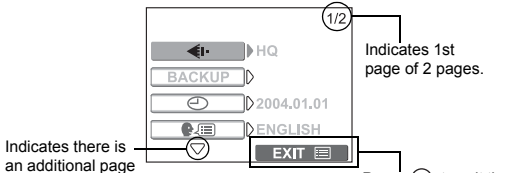
How to use the menus

When you turn on the camera and press (MENU), the menu is displayed on the monitor. From this menu, you can configure various settings of the camera. This chapter explains how to use the menus, using the shooting mode screens as an example.

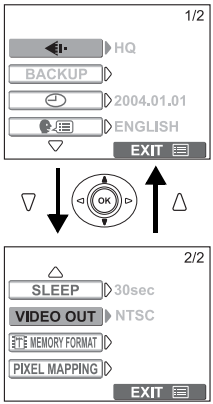
1 Press (MENU) to display the menu.



About the menu screen



2 **Press △ ▽ to select an item, and press (OK) or ▷.**

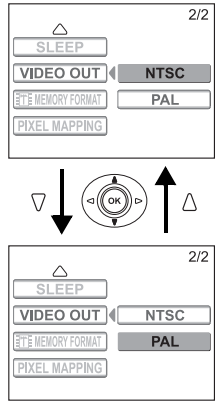


The selected item is displayed in yellow.

3 **Press △ ▽ to select a setting. Press (OK) or ◁ to complete the setting.**

(OK) or ▷

(OK) or ◁



To return to select an item, press (OK) or ◁.

4 **Press (MENU) to exit the menu and return to the shooting status.**

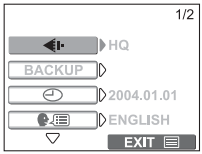
Note

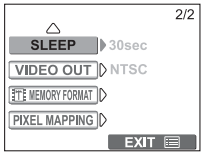
- Not all items can be selected depending on the status of the camera and the settings performed.
- Settings you have made in the menu screen are saved after the camera is turned off. [◀i-] can be set to the default setting.
  ☞ "RESET-Resetting the settings to the default" (P.76)

Menus

The menu items to be displayed differ depending on whether the camera is in the shooting mode or the playback mode.

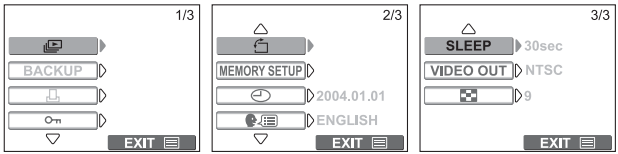
Shooting mode





	Sets the image quality and resolution. Still picture : [SHQ], [HQ], [SQ1], [SQ2] Movie : [HQ], [SQ]	P.57
BACKUP	Copies images stored in the internal memory to the card. This setting is not available when the card is not inserted.	P.80
	Sets the date and time.	P.28
	Selects a language for on-screen display.	P.26
SLEEP	Sets the time period that the camera automatically enters to the sleep mode.	P.81
VIDEO OUT	Selects [NTSC] or [PAL] according to your TV's video signal type. TV video signal types differ depending on the region.	P.83
MEMORY FORMAT (CARD FORMAT)	Formats the internal memory or the card.	P.78
PIXEL MAPPING	Checks the CCD and image processing functions for errors.	P.82

Playback mode



	Runs through all saved pictures one after another. Select a single slide show with [▶] or, [↻] for a continuous slide show.	P.68
BACKUP	Copies images stored in the internal memory to the card. This setting is not available when the card is not inserted.	P.80
	Stores print reservation information on the card. This setting is not available when the card is not inserted.	P.84
	Protects pictures from accidental erasure.	P.73
	Rotates pictures [↻] (clockwise) or [↺] (counterclockwise).	P.65
MEMORY SETUP (CARD SETUP)	Erases all images/data stored in the internal memory or on the card.	P.75, 78
	Sets the date and time.	P.28
	Selects a language for on-screen display.	P.26

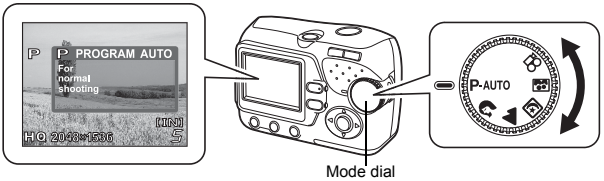
SLEEP	Sets the time period that the camera automatically enters to the sleep mode.	P.81
VIDEO OUT	Selects [NTSC] or [PAL] according to your TV's video signal type. TV video signal types differ depending on the region.	P.83
	Selects the number of frames in the index display.	P.67

TIPS

- A menu item common to the shooting and playback modes can be set in either of the modes, and the setting is effective in both modes.

Shooting mode

This camera allows you to take still pictures and record movies.
To take still pictures, use the mode dial to select one of the shooting modes. Each mode already has the optimal settings for its purpose and conditions.
You can change the mode with the camera turned on.
As you set the mode dial, the description for each mode is displayed on the monitor.



● P-AUTO PROGRAM AUTO

Used for regular photography. The camera automatically makes the settings for natural color balance. Other functions, such as the flash mode can be adjusted manually.

● PORTRAIT

Suitable for taking a portrait-style shot of a person. The camera automatically sets the optimal shooting conditions.

● LANDSCAPE

Suitable for taking pictures of landscapes and other outdoor scenes. The camera automatically sets the optimal shooting conditions.

● NIGHT SCENE

Suitable for shooting pictures in the evening or at night. The camera sets a slower shutter speed than is used in normal shooting. If you take a picture of a street at night in any other mode, the lack of brightness will result in a dark picture with only dots of light showing. In this mode, the true appearance of the street is captured. The camera automatically sets the optimal shooting conditions. If you use the flash, you can take pictures of both your subject and the night background.

Normal shooting
(Flash fires.)

Night scene mode
(Flash fires.)

● SELF PORTRAIT

Enables you to take a picture of yourself while holding the camera. Point the lens at yourself and the focus will be locked on you.
The camera automatically sets the optimal shooting conditions. The zoom is fixed in the wide position and cannot be changed.

● MOVIE

Lets you record movies.
The focus and zoom are locked. If the distance to the subject changes, focus may be compromised. You cannot record movies with sound. ☞ "Recording movies" (P.45)

TIPS

- For details of the functions for each mode. ☞ "List of items by shooting mode" (P.135)

Note

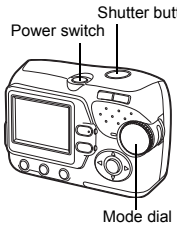
- In the self-portrait mode, macro shooting and super macro shooting are not available.
- The flash mode can be set independently from the night scene mode. ☞ "Using the flash" (P.49)
- Since the shutter speed is slow in the night scene mode, make sure you stabilize the camera using a tripod or set it on a level surface.

Taking still pictures

You can take still pictures simply by pressing the shutter button as you look at the monitor.
The recorded picture will be stored on the card if you have inserted one, or in the internal memory if you have not inserted a card.

1 Press the power switch.

- The camera turns on in the shooting mode.
- The lens extends and the monitor turns on.
- The orange lamp lights.



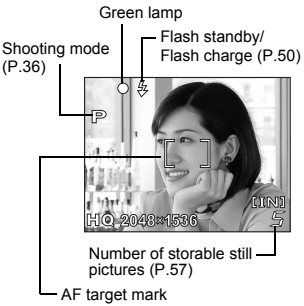
2 Turn the mode dial to select P-AUTO, , , , or .
☞ "Shooting mode" (P.36)

3 Position the AF target mark on the subject while looking at the monitor and decide on composition.

Holding the camera

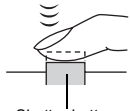
Hold the camera firmly with both hands while keeping your elbows at your sides to prevent the camera from moving.

Keep your fingers and the strap away from the lens and flash.



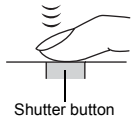
4 Press the shutter button gently (halfway) to adjust the focus.

- When the focus and exposure are locked, the green lamp on the monitor lights steadily (Focus Lock).
- When the flash is ready to fire, the ϟ mark lights.



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

- The camera takes the picture.
- The orange lamp blinks while the picture is being stored in the internal memory or on the card. The next shot is available when the orange lamp stops blinking.



TIPS

Correct focus cannot be obtained on the subject you want to shoot.
→☞"If correct focus cannot be obtained" (P.42)

The green lamp on the monitor blinks.
→The distance to the subject is too close. Take the picture at least 50 cm/ 1.6 ft. away from the subject for wide-angle shooting. (For telephoto: 90 cm/3.0 ft.) If you use the super macro mode, you can take pictures as close as 2 cm/0.8". from the subject.
☞ "Macro mode shooting" (P.53)
→Depending on the subject, the focus may not be locked.
☞"If correct focus cannot be obtained" (P.42)

The ϟ mark blinks when pressing the shutter button halfway.
→The flash is charging. Wait until the lamp goes off.

The monitor turns off automatically.
→If the camera is not used for over 30 seconds, it enters to the sleep mode, and the monitor turns off automatically. Press the shutter button or the (📷) to turn the monitor on.
☞ "SLEEP - Setting the time period to switch to the sleep mode" (P.81)

The monitor is hard to see.
→Bright light, such as direct sunlight, may cause vertical lines to appear on the monitor screen. (Note that this does not affect recorded pictures.)

Note

- Press the shutter button gently using the ball of your finger. If it is pressed hard, the camera may move, resulting in a blur.
- Never remove the batteries or disconnect the AC adapter while the orange lamp is blinking. Do not open the battery compartment/card cover. Doing so could destroy stored pictures and prevent storage of pictures you have just taken.
- When taking pictures against strong backlight, the area of the picture in shadow may appear colored.

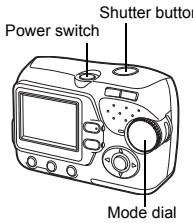
If correct focus cannot be obtained

When the subject to be focused is not on the AF target mark (not positioned in the center of the composition), you can use the following steps to obtain the correct focus on the subject. This operation is referred to as "focus lock".

Determine the position of the subject after focusing (Focus Lock)

1 Press the power switch.

- The camera turns on in the shooting mode.
- The lens extends and the monitor turns on.
- The orange lamp lights.

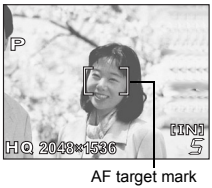


2 Turn the mode dial and select a shooting mode.

☞ "Shooting mode" (P.36)

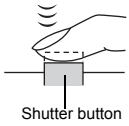
3 Position the AF target mark on the subject you want to focus on.

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

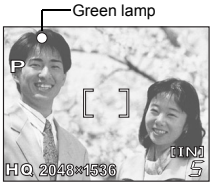


4 Press the shutter button halfway until the green lamp lights.

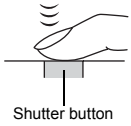
- When the green lamp lights steadily, the focus and the exposure are locked.
- When the green lamp blinks, the focus and exposure are not locked. Release your finger from the shutter button, re-position your subject and press the shutter button halfway again.



5 Keeping the shutter button pressed halfway, recompose your shot.



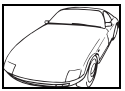
6 Press the shutter button fully.



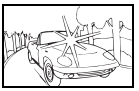
Subjects that are difficult to focus on

Under certain types of conditions, the auto focus may not work properly. If this happens, focus on an object with high contrast at the same distance as the intended subject (focus lock), recompose your shot and then take the picture. If the subject has no vertical lines, hold the camera vertically and focus the camera using the focus lock function by pressing the shutter button halfway, and return the camera to the horizontal position while keeping the button pressed halfway and take the picture.

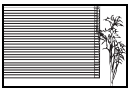
The green lamp blinks.
The subject cannot be brought into focus.



Subject with low contrast



Subject with an extremely bright area in the center of the frame



Subject without vertical lines

The green lamp lights, but the subject cannot be brought into focus.

Subjects at different distances

Fast-moving subject

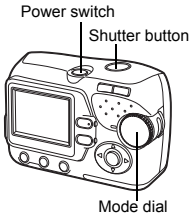
The subject to be focused on is not in the center of the frame.

Recording movies

You can record movies with this camera. You can playback the recorded movies with this camera. Sound can not be recorded.
The focus and zoom are locked. If the distance to the subject changes, focus may be compromised.

1 Press the power switch.

- The camera turns on in the shooting mode.
- The lens extends and the monitor turns on.
- The orange lamp lights.

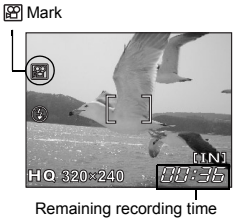


2 Turn the mode dial to .

- The remaining recording time of the internal memory or the card is displayed.

3 Decide on composition.

- You can use the zoom button to enlarge the subject. ☞ "Zoom" (P.47)



4 Press the shutter button halfway.

5 Press the shutter button fully to start recording.

- The camera fixes the focus and zoom.
- During movie recording, [movie] lights red.

6 Press the shutter button again to stop recording.

- When the remaining recording time has been used up, recording stops automatically.
- If the internal memory or the card still has free space, the remaining recording time is displayed and the camera is ready to shoot the next movie.

Note

- During movie recording, the flash is disabled.
- If your remaining recording time is shorter than usual, try formatting the internal memory and/or the card with the camera before using it. ☞ "Formatting the internal memory/card" (P.78)

Notes for recording movies over a long time

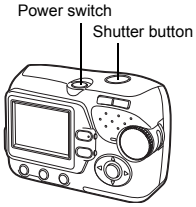
- Unless you press the shutter button again to stop recording the movie, the recording continues until the internal memory or the card becomes full.
- If the internal memory or the card has no space after one operation of movie recording, delete the movie or download it to a PC to create space in the internal memory or on the card.

Zoom

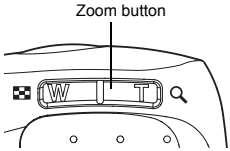
Telephoto and wide-angle shooting are possible at 3x magnification (the optical zoom limit, equivalent to 38 mm – 114 mm on a 35 mm camera). By combining the optical zoom with the digital zoom, zoom magnification can be increased to a maximum of approximately 12x.

1 Press the power switch.

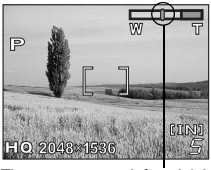
- The camera turns on in the shooting mode.
- The lens extends and the monitor turns on.
- The orange lamp lights.



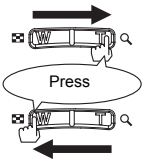
2 Press the zoom button.



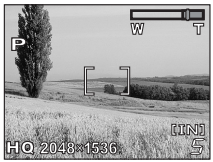
Wide-angle: Press the zoom button toward W to zoom out.



The cursor moves left and right on the zoom indicator according to the zoom magnification.



Telephoto: Press the zoom button toward T to zoom in.



- The white area of the zoom indicator indicates the optical zoom. The red area of the zoom indicator indicates the digital zoom. The digital zoom is available when the cursor is reached the red area as pressing the zoom button toward T.

3 Take the picture.

Note

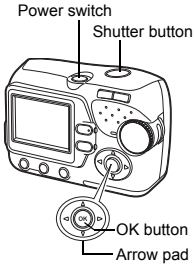
- Pictures taken with the digital zoom may appear grainy.
- Camera movement is likely to occur at higher magnifications. Stabilize the camera with a tripod, etc. to avoid camera movement.
- In the self-portrait mode, you cannot use the zoom.

Using the flash

Select the flash mode best suited to the light conditions and the effect you want to achieve.

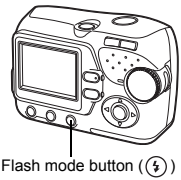
1 Press the power switch.

- The camera turns on in the shooting mode.
- The lens extends and the monitor turns on.
- The orange lamp lights.



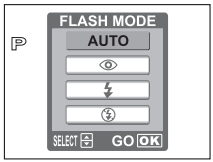
2 Press flash mode button (⚡).

- Flash setting screen is displayed.



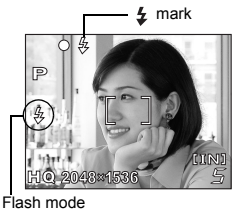
3 Press △ ▽ to select the flash mode, and press OK.

- You can also set by pressing ⚡ repeatedly.
- If not used for about 3 seconds, the camera applies the current settings, and the setting screen disappears.



4 Press the shutter button halfway.

- When the flash is set to fire, the ϟ mark lights steadily.



5 Press the shutter button fully to take the picture.

Flash working range
W (max.): Approx. 0.2 m to 3.8 m (0.7 ft. to 12.5 ft.)
T (max.) : Approx. 0.5 m to 2.2 m (1.6 ft. to 7.2 ft.)

TIPS

The ϟ (flash standby) mark blinks.

→The flash is charging. Wait until the ϟ mark changes from brinking status to steady.

→If camera movement may occur with the flash mode setting of (ϟ), the ϟ mark blinks. In such a case, change the flash mode to any setting other than (ϟ).

Note

- The flash does not fire in the following situations:
  When shooting in the movie mode or super macro shooting ( ).
- The flash may not give you the optimum result in the macro mode, especially with wide-angle shooting. Check the resulting picture on the monitor.

● Auto-flash (No indication)

The flash fires automatically in low light or backlight conditions.
To shoot a subject with backlight, position the AF target mark over the subject.

● Red-eye reduction flash ( )

The light from the flash may make the subject's eyes appear red in the picture. The red-eye reduction flash mode significantly reduces this phenomenon by emitting pre-flashes before firing the regular flash. This helps accustom the subject's eyes to the bright light and minimizes the red-eye phenomenon.

The subject's eyes appear red.

Note

- After the pre-flashes, it takes about 1 second before the shutter is released. Hold the camera firmly to avoid camera movement.
- Effectiveness may be limited if the subject is not looking directly at the pre-flashes, or if the shooting range is too far. Individual physical characteristics may also limit effectiveness.

● Fill-in flash ( )

The flash fires regardless of the available light. This mode is useful for eliminating shadows on the subject's face (such as shadows from tree leaves), in a backlight situation, or for correcting the color shift produced by artificial lighting (especially fluorescent light).

Note

- The fill-in flash may not have the desired effect under excessively bright light.

● Flash off ( )

The flash does not fire even in low light conditions. Use this mode in situations where flash photography is not desired or is prohibited. You can also use this mode when you want to shoot a natural-looking twilight or night scene.

Note

- Since a slow shutter speed is automatically selected in low light situations, and when the flash mode is off, the use of a tripod is recommended to prevent your pictures from being blurred by camera movement.

Macro mode shooting

Two kinds of macro shooting are available.

Macro shooting ( ) : Use when shooting subjects close to you (W: 20 cm to 50 cm (0.7 ft. to 1.6 ft.)/T: 50 cm to 90 cm (1.6 ft. to 3.0 ft.)). Regular photographs can be taken, but the camera may take time to focus on distant subjects.

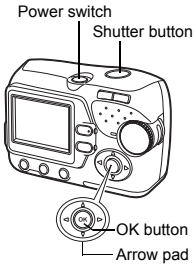
Super macro shooting ( ): Use when shooting subjects as close as 2 cm/0.8". The position of the zoom is fixed automatically and cannot be changed. The correct focus cannot be obtained for the normal shooting distance.

Normal shooting

With macro mode

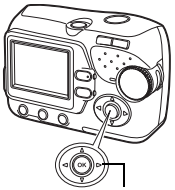
1 Press the power switch.

- The camera turns on in the shooting mode.
- The lens extends and the monitor turns on.
- The orange lamp lights.



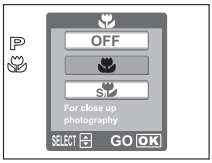
2 **Press ▷ ( ).**

- The setting screen for the macro shooting is displayed.



3 **Press △ ▽ to select macro mode, and press ⓞ.**

- If not used for about 3 seconds, the camera applies the current settings, and the setting screen disappears.



4 **Take the picture.**

Note

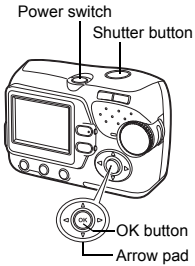
- If you use the flash in macro shooting, shadows may be conspicuous and the correct exposure may not be achieved.
- During the super macro shooting, the zoom function and flash are not available.
- In the self-portrait mode, macro shooting and super macro shooting are not available.
- When taking pictures close to the subject, shadows may become conspicuous, making it difficult to maintain correct focus.

Self-timer shooting

This function is useful for taking pictures where you want to be included in the photograph. Fix the camera securely on a tripod or set it on a level surface for self-timer shooting.

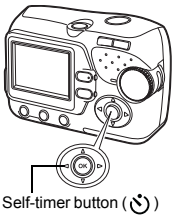
1 Press the power switch.

- The camera turns on in the shooting mode.
- The lens extends and the monitor turns on.
- The orange lamp lights.



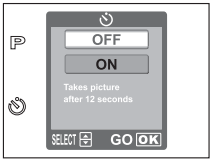
2 Press ◁ (⏲).

- The self-timer setting screen is displayed.



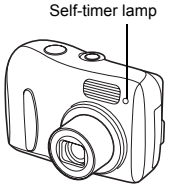
3 Press △ ▽ to select [ON], and press (OK).

- If not used for about 3 seconds, the camera applies the current settings, and the setting screen disappears.



4 **Take the picture.**

- The self-timer lamp lights up for approximately 10 seconds, and starts blinking. After blinking for approximately 2 seconds, the picture is taken.
- In the movie mode, press the shutter button again to stop the shooting.
- Press ◁ to stop the self-timer once activated.
- The self-timer mode is automatically canceled after one shot.



Selecting a record mode

You can select a record mode in which to take pictures or shoot movies. Choose the best record mode for your purpose (printing, editing on a PC, website editing, etc.). For details on the available record mode and recording size, and the allowable number of still pictures or movie recording time of the internal memory and the card, refer to the following table. The numbers in the table are approximate.

Image becomes clearer

Number of pixels increases

Application	Compression / Resolution	Low compression	High compression
Select for the print size	2048 × 1536	SHQ	HQ
	1600 × 1200		SQ1
For small sized print and website	640 × 480		SQ2

Still Picture Record Modes

Record mode	Resolution (No. of pixels)	Memory capacity in number of shots	
		Internal memory	Card (32 MB)
SHQ	2048 x 1536	5	13
HQ		14	39
SQ1	1600 x 1200	18	48
SQ2	640 x 480	68	183

Movie Record Modes

Record mode	Resolution	Remaining recording time	
		Internal memory	Card (32 MB)
HQ	320 x 240	36 sec.	1 min. 37 sec.
SQ	160 x 120	2 min. 25 sec.	6 min. 28 sec.

TIPS

- **Resolution**
  The number of pixels (horizontal x vertical) used when saving an image. If the image will be printed, higher resolutions (larger numbers) are recommended so that the image will be clearer. However, higher resolutions make the file size (amount of data) larger, so the number of pictures that can be saved will be fewer.

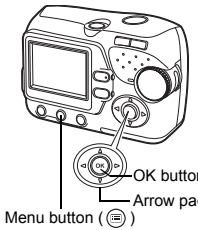
- **Resolution and picture size on a computer screen**
  When a picture is transferred to a computer, the size of the picture on the computer screen varies depending on the computer's monitor setting. For instance, a picture taken in 1024 x 768 resolution is the same size as the screen if you set the picture to 1x when the monitor setting is 1024 x 768. However, if the monitor setting is over 1024 x 768 (such as 1280 x 1024), the picture only takes up part of the screen.

Note

- The memory capacity listed in the table is approximate.
- The number of remaining pictures may change according to the subject or factors like whether print reservations have been made or not. In certain instances, the number of remaining pictures displayed on the monitor does not change even when you take pictures or stored images are erased.

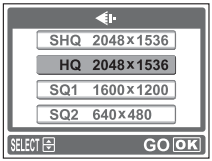
1 **In the shooting mode, select [ ] from the menu, and press ⓞ.**

☞ "How to use the menus" (P.31)

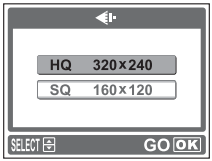


2 **Press △ ▽ to select the desired record mode.**

- For still pictures, you can choose from [SHQ], [HQ], [SQ1] and [SQ2].



- For movies, you can choose [HQ] or [SQ].



3 **Press ⓞ.**

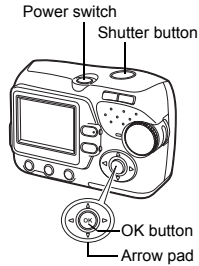
- Press ☰ to exit the menu.

Varying the image brightness (Exposure compensation)

This function allows you to make fine changes to the automatic exposure setting. In some situations, you may get better results when the exposure that the camera sets is compensated (adjusted) manually. You can adjust the exposure in the range of ±2.0 in 1/3EV steps.
When the setting is changed, you can check the result on the monitor.

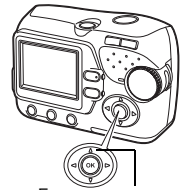
1 Press the power switch.

- The camera turns on in the shooting mode.
- The lens extends and the monitor turns on.
- The orange lamp lights.



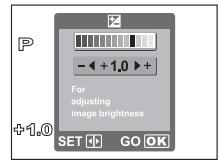
2 Press △ ( ).

- The setting screen for the exposure compensation is displayed.



3 Press ◁ ▷ to select the exposure compensation value, and press (OK).

- Select a [+] value to brighten the image or a [–] value to darken the image.
- If not used for about 3 seconds, the camera applies the current settings, and the setting screen disappears.



–2.0 0.0 +2.0

4 Take the picture.

TIPS

- Often bright subjects (such as snow) will turn out darker than their natural colors. Adjusting toward [+] makes these subjects closer to their real shades. For the same reason, adjust toward [–] when shooting dark subjects.

Note

- If the flash is used, the image brightness (exposure) may differ from the intended brightness.
- Exposure compensation cannot correct the image if the surroundings of the subject are extremely bright or dark.

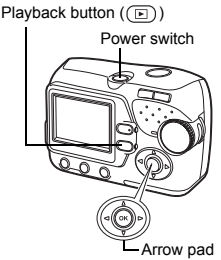
4 Playback

Viewing still pictures

When the card is inserted, the images stored on the card are displayed. To display the images stored in the internal memory, remove the card.

1 Press the power switch to turn the camera on, and press ▶.

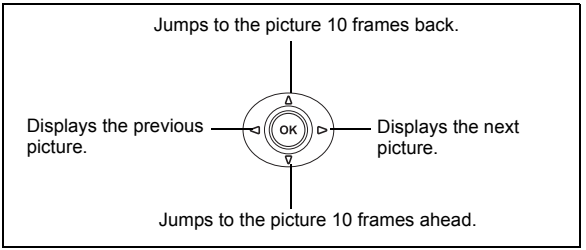
- Playback mode is set.
- The green lamp on the camera lights.



- The monitor turns on and displays the last picture taken (single-frame playback).
- Pressing 📷 or the shutter button switches to the shooting mode.

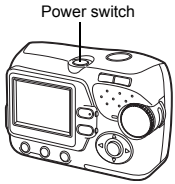
Single-frame playback display

2 Use the arrow pad to playback other pictures.



3 Press the power switch to turn the camera off.

- The monitor and camera turn off.
- The green lamp on the camera goes out.



Note

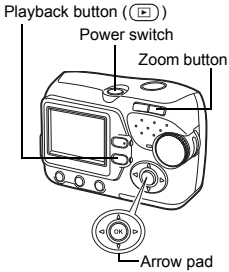
- To save battery power, the camera automatically enters to the sleep mode and stops operating if not used for 30 seconds. The monitor switches off automatically. Press (▶) to turn the monitor on.You can select the length of time after which the camera automatically enters to the sleep mode.
  ☞ "SLEEP - Setting the time period to switch to the sleep mode" (P.81)

Close-up playback

Pictures displayed on the monitor can be enlarged in steps up to 4 times the original size.

1 Press the power switch to turn the camera on, and press ▶.

- Playback mode is set.
- The green lamp on the camera lights.

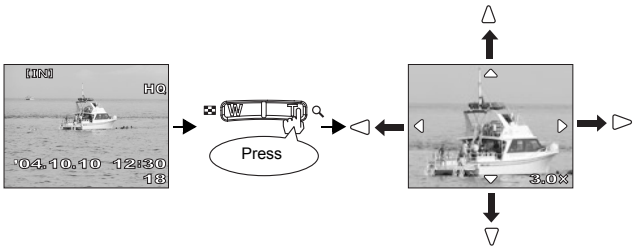


2 Use the arrow pad to select the still picture you want to enlarge.

- You cannot enlarge pictures with 🎥.
- In the index display, press the zoom button toward T (🔍) to display the selected picture in full-screen mode (single-frame playback).

3 Press the zoom button toward T (🔍).

- The magnification increases each time the zoom button is pressed toward T (🔍).
- To return the picture to the original size (1x), press the zoom button toward W (▪).
- By using the arrow pad while the enlarged picture is displayed, you can shift the picture in the desired direction, enabling you to view a different portion.



Note

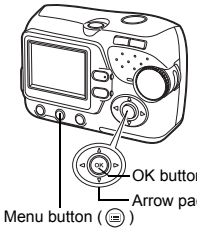
- Pictures cannot be stored in an enlarged state.

Picture rotation

Pictures taken with the camera held vertically are displayed horizontally. This function lets you turn such pictures 90 degrees clockwise or counterclockwise so that they are displayed vertically.

1 **In the playback mode, select [ ] from the menu, and press (OK).**

☞ "How to use the menus" (P.31)



2 **Press ◁ ▷ to select an image to rotate.**

3 **Press △ ▽ to select [ ] or [ ], and press (OK).**

- The picture is rotated, and displayed vertically.

[ ] Picture when taken [ ]

4 **Press △ ▽ to select [EXIT], and press (OK).**

- Press (MENU) to exit the menu.

Note

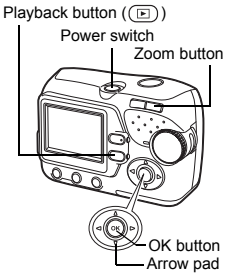
- The following pictures cannot be rotated.
  Movies, protected pictures, pictures that have been edited on a PC and pictures taken with another camera.
- New picture orientations are saved even when the power is turned off.

Index display

This function lets you show several pictures at the same time on the monitor. You can select 4 or 9 frames to be displayed in the index. ☞ "Selecting the number of pictures" (P.67)

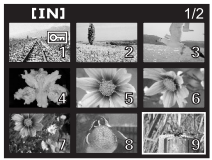
1 Press the power switch to turn the camera on, and press ▶.

- Playback mode is set.
- The green lamp on the camera lights.



2 Press the zoom button toward W (▦) to switch to the index display.

- Use the arrow pad to select the picture.
  - ▷ : Moves to the next frame.
  - ◁ : Moves to the previous frame.
  - △ : Moves to the frame above.
  - ▽ : Moves to the frame below.
- To return to the single-frame playback, press the zoom button toward T (🔍) or OK.



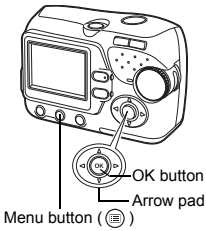
Index display

Selecting the number of pictures

Select 4 or 9 frames to be displayed in the index.

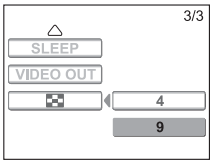
1 In the playback mode, select [ ] from the menu, and press OK.

☞ "How to use the menus" (P.31)



2 Press △ ▽ to select [4] or [9], and press OK.

- Press ☰ to exit the menu.

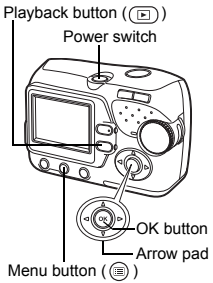


Slideshow

This function displays still pictures stored in the internal memory or the card one after another. Only the first frame of movies are played back.

1 Press the power switch to turn the camera on, and press ▶.

- Playback mode is set.
- The green lamp on the camera lights.

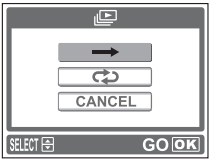


2 Select a still picture.

3 Select [🖼] from the menu, and press OK.

☞ "How to use the menus" (P.31)

4 Press △ ▽ to select [→] or [🔁], and press OK.



- The slide show starts.
  - → : Displays the stored images one after another for one cycle.
  - 🔁 : Displays the stored images one after another for unlimited cycles.
  - **CANCEL** : Returns to the playback menu.
- Press OK to exit the slide show.

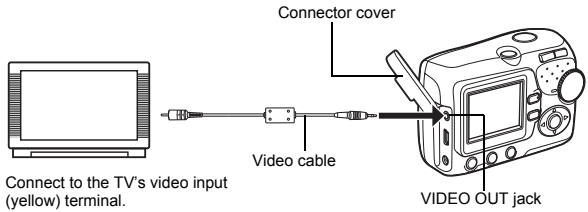
TIPS

- You are recommended to use the optional AC adapter when running a slideshow for a long period of time. If batteries are used, the camera stops the slide show 30 minutes later and turns off automatically.

Playback on TV

Use the video cable provided with the camera to playback recorded images on your TV. Both a still picture and a movie can be played back.

1 Make sure that the TV and camera are turned off. Connect the VIDEO OUT jack on the camera to the video input terminal on the TV using the video 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 Press the power switch to turn the camera on, and press ▶.

- 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 functions can also be used on a TV screen.

TIPS

- You are recommended to use the optional AC adapter when using the camera with a TV.

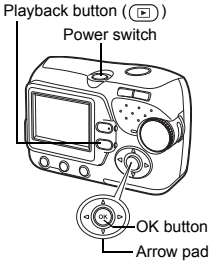
Note

- Make sure that the camera's video output signal type is the same as the TV's video signal type. ☞"VIDEO OUT - Setting the output signal type" (P.83)
- The camera's monitor turns off automatically when the video cable is connected to the camera.
- Be sure to use the video cable provided to connect the camera to the TV.
- The picture may appear off-center on the TV screen.

Viewing movies

1 Press the power switch to turn the camera on, and press ▶.

- Playback mode is set.
- The green lamp on the camera lights.



2 Use the arrow pad to display the picture with 🎞.

☞ "Viewing still pictures" (P.62)

3 Press ⓞ.

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

- Press ⓞ to stop the movie playback. Press △ ▽ to select [EXIT], and press ⓞ.

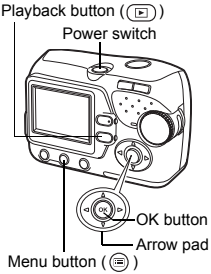
Note

- The orange lamp blinks when the camera is reading the movie from the internal memory or the card. Reading the movies may take considerable time. Never open the battery compartment/card cover while the orange lamp is blinking. It may cause not only data corruption, but also the malfunction of the internal memory or the card.

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 Press the power switch to turn the camera on, and press ▶.
- Playback mode is set.
- The green lamp on the camera lights.

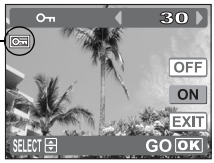


2 Select [🔑] from the menu, and press ⓞⓚ.
☞ "How to use the menus" (P.31)

3 Press ◁ ▷ to select the picture to be protected.

4 Press △ ▽ to select [ON], and press ⓞⓚ.
- To cancel protection, select [OFF].

5 Press △ ▽ to select [EXIT], and press ⓞⓚ.
- Press ☰ to exit the menu.



Displayed when a picture is protected.

Note
- Protected pictures cannot be erased by the single-frame/all-frame erase functions, but they are all erased when you format the internal memory or the card.

Erasing pictures

This function enables the camera to erase the recorded pictures. The “single-frame erase” function erases only the current frame on the screen. The “all-frame erase” function erases all frames stored in the internal memory or on the card.

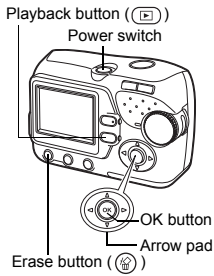
- To erase the pictures stored in the internal memory, remove the card first.
- To erase the pictures stored on the card, you should insert the card first.

Note

- You cannot erase pictures that are protecte. Cancel the protection before erasing such pictures.
- Once erased, pictures cannot be restored. Be careful not to accidentally erase pictures you want to keep. ☞ "Protecting pictures" (P.73)

Single-frame erase

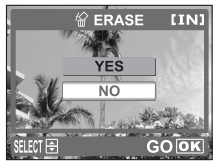
1 Press the power switch to turn the camera on, and press ▶.
- Playback mode is set.
- The green lamp on the camera lights.



2 Use the arrow pad to display the picture you want to erase.
☞ "Viewing still pictures" (P.62)

3 Press 🗑.

4 Press △ ▽ to select [YES], and press OK.
- The picture is erased and the menu is closed.



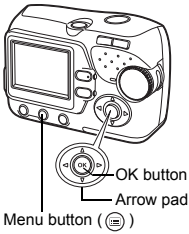
All-frame erase

This function erases all the pictures in the internal memory or on the card.

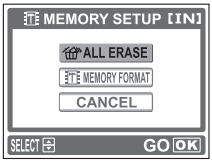
1 In the playback mode, select [MEMORY SETUP] from the menu, and press (OK).

☞ "How to use the menus" (P.31)

- When the card is inserted, select [CARD SETUP].



2 Press △ ▽ to select [ALL ERASE], and press (OK).



3 Press △ ▽ to select [YES], and press (OK).

- All the pictures are erased.

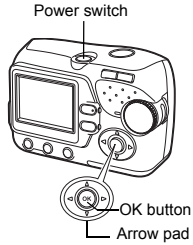
RESET-Resetting the settings to the default

The camera retains the changed settings even if the power is turned off. To reset the settings to the factory default setting, use the RESET function. The settings affected by the RESET function are listed on the next page.

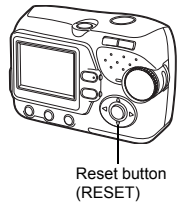
Example : After you set [ ] to [SQ1], using the RESET function reset it to its default, [HQ].

1 Press the power switch.

- The camera turns on in the shooting mode.
- The lens extends and the monitor turns on.
- The orange lamp lights.

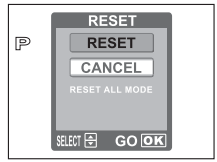


2 Press ▽ (RESET).



3 Press △ ▽ to select [RESET], and press ⓞ.

- Settings are reset to the factory default setting.



●Functions that RESET affects and their factory default settings

Function	Factory default setting	Ref. Page
	AUTO	P.49
	OFF	P.53
	0.0	P.60
	OFF	P.55
	HQ	P.57

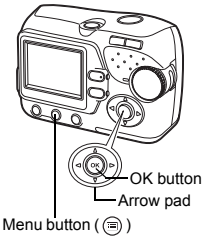
Formatting the internal memory/card

This function formats the internal memory, or the card. Formatting prepares the internal memory or the card to receive data.
All existing data, including protected pictures, are erased when the internal memory or the card is formatted. While in use, make sure that you transfer important data to a PC before formatting the internal memory or a card. Make sure not to erase important data when formatting the internal memory or the card.

Note
- To format the internal memory, do not insert the card.
- To format the card, insert the card before starting formatting.
- Before using non-Olympus cards or cards which have been formatted on a PC, you must format them with this camera.

1 In the shooting mode, select [MEMORY FORMAT] from the menu, and press (OK).

- Select [CARD FORMAT] to format the card.
  →Go to step 3.

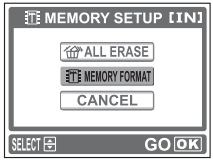


In the playback mode, select [MEMORY SETUP] from the menu, and press (OK).

- Select [CARD SETUP] to format the card.
  ☞ "How to use the menus" (P.31)

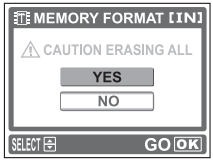
- The following screens indicate formatting the internal memory in the playback mode.

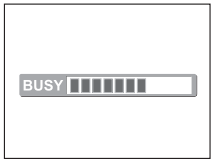
2 **Press △ ▽ to select [MEMORY FORMAT], and press ⓞ.**



3 **Press △ ▽ to select [YES], and press ⓞ.**

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





Note

- Never do any of the following during formatting, as they may cause the internal memory or the card to malfunction.
  - Open the battery compartment/card cover.
  - Remove the battery.
  - Connect or disconnect the AC adapter.

BACKUP - Copying pictures to a card

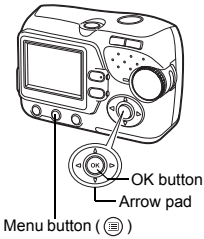
You can copy (backup) all the image data stored in the internal memory to the card. The image data in the internal memory is not erased by copying it to the card.

The optional card is required to use the BACKUP function. Operate the camera with the card is inserted.

1 Select [BACKUP] from the menu, and press ⊛.

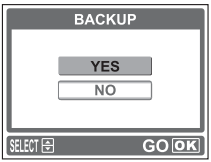
☞ "How to use the menus" (P.31)

- This function can be set either in the shooting mode or the playback mode.



2 Press △ ▽ to select [YES], and press ⊛.

- All image data stored in the internal memory is copied to the card.
- Press ☰ to exit the menu.



Note

- When the card has insufficient memory, CARD FULL is displayed and copying is canceled.
- When the mark is blinking, pictures cannot be backed up because of insufficient battery power.
- If the battery power runs out during copying, the image data may be lost or damaged. You are recommended to use the AC adapter.
- Never open the battery compartment/card cover, remove the batteries, or connect or disconnect the AC adapter during copying as this may cause malfunction of the internal memory or the card.

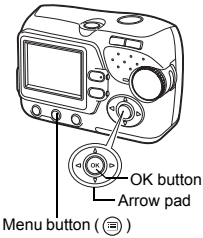
SLEEP - Setting the time period to switch to the sleep mode

The camera automatically switches to the sleep mode and stops operating if not used for the specified time period. You can specify the time period to switch to the sleep mode.

1 Select [SLEEP] from the menu, and press (OK).

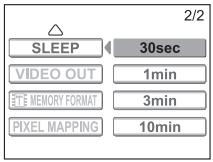
☞ "How to use the menus" (P.31)

- This function can be set either in the shooting mode or the playback mode.



2 Press △ ▽ to select [30sec], [1min], [3min] or [10min] and press (OK).

- Press (MENU) to exit the menu.

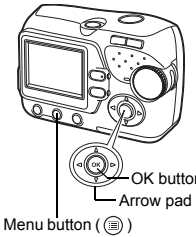


PIXEL MAPPING - Checking the image processing functions

The Pixel Mapping feature allows the camera to check and adjust the CCD and image processing functions. It is not necessary to operate this function frequently. Approximately once a year is recommended. Wait over a minute after the monitor is used or continuous shots are taken to allow for proper performance of the Pixel Mapping function.

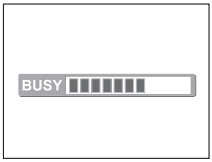
1 In the shooting mode, select [PIXEL MAPPING] from the menu, and press ⓞ.

☞ "How to use the menus" (P.31)



2 Press △ ▽ to select [START], and press ⓞ.

- The **BUSY** bar is displayed during Pixel Mapping. When Pixel Mapping is finished, the screen returns to the menu.
- Press ☰ to exit the menu.



Note

- If you accidentally turn the camera off during Pixel Mapping, start again from step 1.

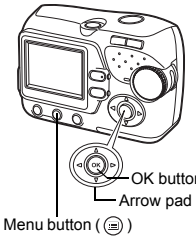
VIDEO OUT - Setting the output signal type

You can select NTSC or PAL according to your TV's video signal type. Select the video signal type before connecting the camera to the TV. If you select the wrong video signal type, the recorded pictures will not be played back properly on your TV.

1 Select [VIDEO OUT] from the menu, and press (OK).

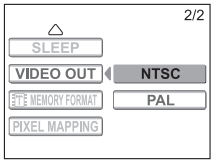
☞ "How to use the menus" (P.31)

- This function can be set either in the shooting mode or the playback mode.



2 Press △ ▽ to select [NTSC] or [PAL], and press (OK).

- Press (MENU) to exit the menu.



TIPS

TV video signal types & main region

Check the video signal type before connecting the camera to your TV.

NTSC : Japan, Taiwan, Korea, North America

PAL : European countries, China

6 Print setting (DPOF)

With print reservation

Print reservation allows you to save printing data (the number of prints and the date/time information) with the pictures stored on the card.

Only the images stored on the card can be reserved to print. Insert the card recording the images into the camera before making print reservation.

With print reservation, you can print out pictures easily either at home using a personal DPOF-compatible printer or at a print shop that supports DPOF. DPOF is a standard format used to record automatic print information from digital cameras. You can print out pictures automatically, at home or in a print shop, by storing such data as which pictures you wish to print and the number of prints on a card. Pictures taken with print reservation can be printed using the following procedures.

Printing using a DPOF-compatible print shop
You can print the pictures using the print reservation data.

Printing using a DPOF-compatible printer
Printing is possible directly from a card containing print reservation data without using a PC. For more details, refer to the printer's instruction manual. A PC card adapter may also be necessary.

TIPS

Picture size and printing

The resolution of a computer/printer is generally based on the number of dots (pixels) per inch. This is called dpi (dots per inch). The higher the dpi value, the better the printed results. Keep in mind, however, that the dpi of the picture does not change. This means that when you print an image with a higher resolution, the size of the printed picture will be smaller. Although you can print magnified images, picture quality will decrease. If you want to print large, high-quality pictures, set the record mode as high as possible when taking the pictures. ☞ "Selecting a record mode" (P.57)

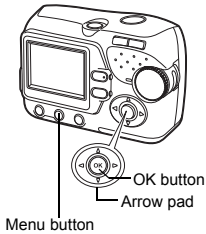
Note

- DPOF reservations set by another device cannot be changed by this camera. Make changes using the original device.
- If a card contains DPOF reservations set by another device, entering reservations using this camera may overwrite the previous reservations.
- The allowable number of pictures for DPOF reservation is 999 frames per card.
- Print reservation may not be available if there is insufficient card memory. In this case, the CARD FULL message is displayed.
- Not all functions may be available on all printers or at all print shops.
- Print reservation may take considerable time when saving printing data to a card.

All-frame reservation

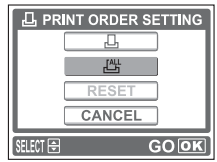
You can print one copy of all the images stored on the card. Select whether the print date or time will also be included.
You cannot change the number of copies for this feature. If you want to change the number, first make the all-frame reservation, and then change the number of copies using the single-frame reservation function. ☞ "Single-frame reservation" (P.88)

1 Playback a still picture.
- You cannot print pictures with 🎥.



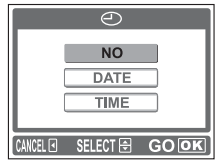
2 Select [🖨] from the menu, and press ⓞ.
☞ "How to use the menus" (P.31)

3 Press △ ▽ to select [ALL (all-frame reservation)], and press ⓞ.



PRINT ORDER SETTING screen

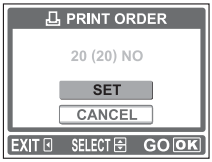
4 Press △ ▽ to select [NO], [DATE] or [TIME], and press ⓞ.



- **NO** : The pictures are printed without the date and time.
- **DATE** : All the pictures are printed with the shooting date.
- **TIME** : All the pictures are printed with the shooting time.

5 **Press △ ▽ to select [SET], and press (OK).**

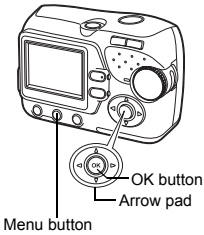
- Press (MENU) to exit the menu.



Single-frame reservation

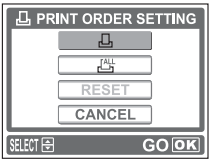
Use this feature to print only selected pictures. It is also used to change the reserved number of prints and the date/time settings. Display the frame you want to print and set the desired number of copies.

1 Playback a still picture.
- You cannot print pictures with .



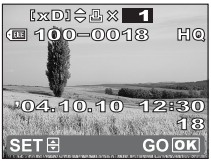
2 Select [] from the menu, and press .
"How to use the menus" (P.31)

3 Press △ ▽ to select [(single-frame reservation)], and press .



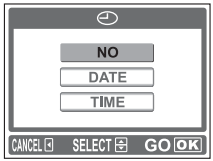
PRINT ORDER SETTING screen

4 Press the arrow pad to display the picture you want to print, and set the number of copies.
- Press ◁ ▷ to select a picture.
  - ◁ : Displays the previous picture.
  - ▷ : Displays the next picture.
- Press △ ▽ to set the desired number of copies.
  - △ : Increases the number.
  - ▽ : Decreases the number.
- To cancel the print reservation, set the number of copies to 0.
- To reserve another picture, repeat this step.



5 **Press ⊛.**

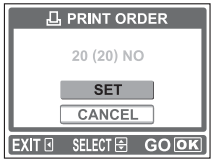
6 **Press △ ▽ to select [NO], [DATE] or [TIME], and press ⊛.**

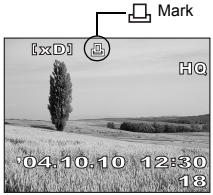


NO : The pictures are printed without the date and time.
DATE: All the pictures with print reservation are printed with the shooting date.
TIME : All the pictures with print reservation are printed with the shooting time.

7 **Press △ ▽ to select [SET], and press ⊛.**

- 🖨 mark is displayed on the image displayed on the screen.
- Press ☰ to exit the menu.





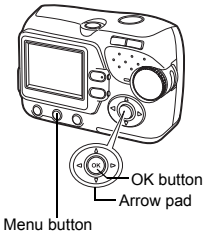
Resetting print reservation data

This function resets all the print reservation data for the pictures stored in the card.
To cancel printing individually, use the single-frame reservation function.

1 Playback a still picture.

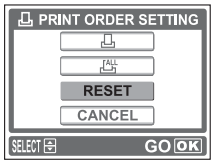
2 Select [🖨] from the menu, and press (OK).

☞ "How to use the menus" (P.31)



3 Press △ ▽ to select [RESET], and press (OK).

- All the print reservation data is cleared.
- Press (MENU) to exit the menu.



TIPS

To cancel only unwanted print reservation

→The setting procedure is same as the single-frame reservation.
Follow the procedure "Single-frame reservation" (P.88), and select the unwanted frame and set the number of copies to 0 in step 4.

7 Direct printing (PictBridge)

Using the direct printing function

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. With the camera connected to the printer, use the camera's monitor to select the pictures you want to print, and the number of prints you want to make. It is also possible to print out pictures using the print reservation data. ☞ "Print setting (DPOF)" (P.84)
To find out if your printer is compatible with PictBridge, refer to the printer's instruction manual.

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

STANDARD … All printers that support PictBridge have standard print settings. Selecting [STANDARD] on the settings screens (☞ P.94 to 99), images are printed according to the default settings. See the instruction manual for your printer for its standard settings or inquire with the printer manufacturers.

TIPS

- For details of printing paper types, ink cassettes, etc., refer to the printer's instruction manual.

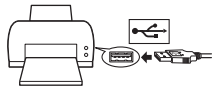
Note

- You are recommended to use the optional AC adapter for the camera when printing pictures directly. If you are using batteries, make sure that there is sufficient remaining battery power. If the camera stops operating while communicating with the printer, the printer may malfunction or image data may be lost.
- Images recorded in movies cannot be printed.
- The camera will not enter the sleep mode when connected to the USB cable.

Connecting the camera to a printer

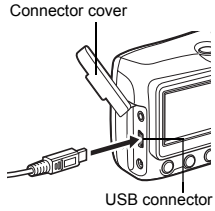
Use the USB cable provided with the camera to connect the camera to a PictBridge-compatible printer.

1 Turn the printer on and plug the printer end of the USB cable into the printer's USB port.



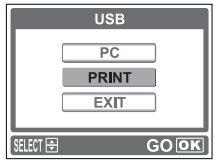
- For details of how to turn the printer on and the position of the USB port, refer to the printer's instruction manual.

2 Plug the other end of the USB cable into the camera's USB connector.



- The camera turns on automatically.
- The monitor turns on and the selection screen for the USB connection is displayed.

3 Press △ ▽ to select [PRINT], and press ⓞ.



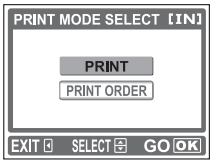
- While the camera is connected to a printer, the green lamp on the camera remains on.
- ONE MOMENT is displayed and the camera and printer are connected. The PRINT MODE SELECT screen is displayed on the monitor. Make the print settings on the camera's monitor. ☞ Go to "Printing pictures" (P.93).

Note

- If [PC] is selected in step 3, the PRINT MODE SELECT screen is not displayed. Remove the USB cable from the camera and start again from step1.

Printing pictures

When the camera is connected to a PictBridge-compatible printer, the PRINT MODE SELECT screen is displayed on the monitor. Use this screen to select the print mode. You can choose from the following print modes.



PRINT MODE SELECT screen

PRINT Prints the selected picture.
☞"PRINT mode" (P.95)

PRINT ORDER Prints the pictures according to the print reservation data on the card. If no print reservations (☞ "With print reservation" (P.84)) have been made, this option is not available.
☞"PRINT ORDER mode" (P.99)

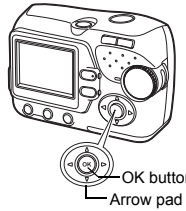
Options for the print mode and other settings

Available options for some settings such as the print mode and paper size may differ depending on the type of printer. For details, refer to the instruction manual of your printer.

Using the simple print method

The following is the simplest way of printing a picture. This prints one copy of the selected picture. The date or file name will not be printed.

1 **In the PRINT MODE SELECT screen, press △ ▽ to select [PRINT], and press ⊛.**
- The PRINT PAPER screen is displayed.



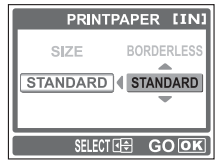
2 **Press △ ▽ to select the paper size, and press ▷.**
- When the PRINT PAPER screen is not displayed, SIZE and BORDERLESS are set to STANDARD. → Go to step 4.

PRINT PAPER screen

3 **Press △ ▽ to select framed or unframed, and press ⊛.**

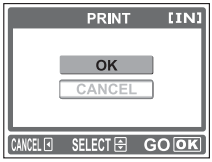
OFF (▣) The image is printed inside a blank frame.

ON (□) The image is printed filling the entire page.



4 **Press ◁ ▷ to select the picture you want to print, and press ⊛.**
- The PRINT screen is displayed.

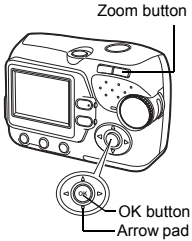
5 **Press △ ▽ to select [OK], and press (OK).**
- Printing starts.
- To cancel printing, select [CANCEL] and press (OK). The PRINT MODE SELECT screen will be displayed again.



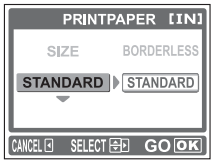
PRINT screen

PRINT mode

1 **In the PRINT MODE SELECT screen, press △ ▽ to select [PRINT], and press (OK).**
- The PRINT PAPER screen is displayed.



2 **Press △ ▽ to select the paper size, and press ▷.**
- When the PRINT PAPER screen is not displayed, SIZE and BORDERLESS are set to STANDARD. → Go to step 4.

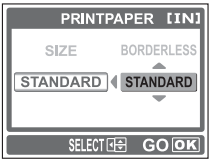


PRINT PAPER screen

3 **Press △ ▽ to select framed or unframed, and press ⊛.**

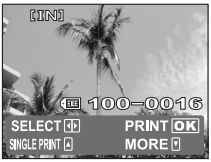
OFF (▣) The image is printed inside a blank frame.

ON (□) The image is printed filling the entire page.



4 **Press ◁ ▷ to select the picture you want to print.**

- Press the zoom button toward W to display the pictures in index format. You can then select the pictures you want to print from the index.



5 **Select the print reservation method.**

SINGLE PRINT Makes a single-frame print reservation for the selected picture according to standard settings.

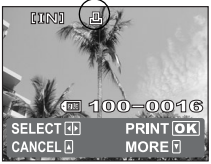
MORE Sets the number of prints of the selected picture in the print reservation data. You can also add the date or file name.

●Set a SINGLE PRINT reservation

Press △.

- Press △ when 🖨 is displayed to cancel the reservation.

Print reservation mark is displayed.



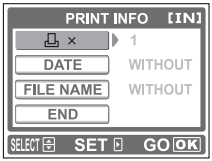
● Set MORE print reservations

① Press ▽.

- Print information setting screen is displayed.

② Press △ ▽ to select the item you want to set, and press ⊛.

- Press △ ▽ to select the item, and press ⊛.



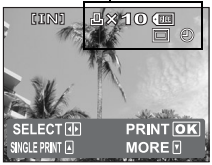
×	Sets the number of prints. You can select up to 10 prints.
DATE ( )	If you select [WITH], pictures are printed with the date.
FILE NAME ( )	If you select [WITH], pictures are printed with the file name.

③ After you have selected your desired settings, using [MORE], press △ ▽ to select [END], and press ⊛.

- The screen displayed in Step 4 appears.

- To print more than one picture, repeat steps 4 and 5, and make single and/or multiple print reservations until you select all the pictures to be printed.

The settings you have made are displayed.

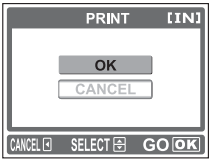


6 Press ⊛.

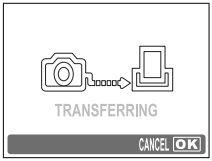
- The PRINT screen is displayed.

7 **Press △ ▽ to select [OK], and press (OK).**

- Printing starts.
- To cancel printing, select [CANCEL] and press (OK). The PRINT MODE SELECT screen will be displayed again.



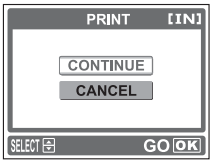
- When printing is finished, the monitor returns to the PRINT MODE SELECT screen.
  ☞ "Exiting direct printing" (P.101)



TRANSFERRING screen

●To cancel printing

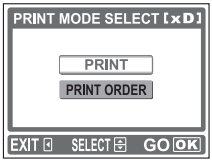
Pressing (OK) during print data transfer displays the screen for selecting whether to continue or cancel printing. To cancel printing, press △ ▽ to select [CANCEL], and press (OK).



PRINT ORDER mode

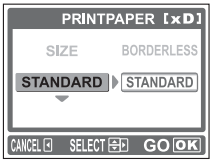
1 **In the PRINT MODE SELECT screen, press △ ▽ to select [PRINT ORDER], and press ⓞ.**

- The PRINT PAPER screen is displayed.



2 **Press △ ▽ to select the paper size, and press ▷.**

- When the PRINT PAPER screen is not displayed, SIZE and BORDERLESS are set to STANDARD. → Go to Step 4.



3 **Press △ ▽ to select framed or unframed, and press ⓞ.**

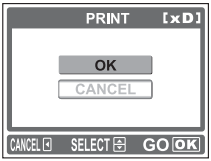
OFF (▣) The image is printed inside a blank frame.

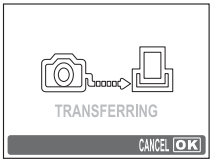
ON (□) The image is printed filling the entire page.

- The PRINT screen is displayed.

4 Press △ ▽ to select [OK], and press ⓞ.

- Printing starts.
- To cancel printing, select [CANCEL] and press ⓞ. The PRINT MODE SELECT screen will be displayed again.
- When printing is finished, the monitor returns to the PRINT MODE SELECT screen.
  ☞ "Exiting direct printing" (P.101)

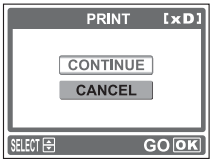




TRANSFERRING screen

● To cancel printing

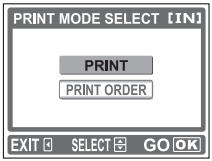
Pressing ⓞ during print data transfer displays the screen for selecting whether to continue or cancel printing. To cancel printing, press △ ▽ to select [CANCEL], and press ⓞ.



Exiting direct printing

When you have finished printing, disconnect the camera from the printer.

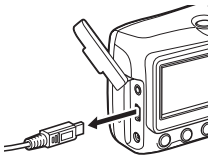
1 In the PRINT MODE SELECT screen, press ◁.



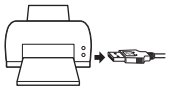
- The message is displayed.

2 Remove the USB cable from the camera.

- The camera turns off.



3 Remove the USB cable from the printer.



If an error code is displayed

If an error code appears on the camera's monitor during direct print setting or printing, see the following table.
For more details, refer to the printer's instruction manual.

Monitor indication	Possible cause	Corrective action
NO CONNECTION	The camera is not connected to the printer correctly.	Disconnect the camera and connect it again correctly.
NO PAPER	There is no paper in the printer.	Load some paper in the printer.
NO INK	The printer has run out of ink.	Replace the ink cartridge in the printer.
JAMMED	The paper is jammed.	Remove the jammed paper.
SETTINGS CHANGED	The printer's paper cassette has been removed or the printer has been manipulated while making settings on the camera.	Do not manipulate the printer while making settings on the camera.
PRINT ERROR	There is a problem with the printer and/or camera.	Turn off the camera and printer. Check the printer and remedy any problems before turning the power on again.

TIPS

- If an error code other than those shown above is displayed, refer to ☞ "Error codes" (P.124).

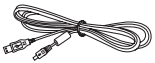
8 Connecting to a computer

Flow

You can connect the camera to your computer with the USB cable and download the images stored in the internal memory or on the card in the camera using the OLYMPUS Master software supplied with the camera.

Prepare the following before starting the procedure:

OLYMPUS Master CD-ROM



USB cable

PC with a USB port

Install the OLYMPUS Master software ☞ P.106

↓

Connect the camera to the computer using the USB cable ☞ P.112

↓

Start up the OLYMPUS Master software ☞ P.114

↓

Download image files to the computer ☞ P.116

↓

Disconnect the camera from the computer ☞ P.117

TIPS

Viewing and editing downloaded images

→If you want to process pictures using graphics processing software, make sure you download them to your computer first. Depending on the software, the image files may be damaged if the images are processed (rotated, etc.) while they are still in the internal memory or on the card.

If the data cannot be downloaded from the camera using the USB cable

→Depending on the operating system, an optional PC card is required to download pictures from the xD-Picture Card to a PC. For details, visit the Olympus website. The URL is given on the back cover.

Note

- You are recommended to use the optional AC adapter when connecting the camera to your computer. If you are using batteries, make sure that there is sufficient remaining battery power. The camera does not turn off automatically while it is connected to (communicating with) a computer. If the battery power runs out, the camera will stop whatever operation it is performing. This may cause malfunction of the computer or damage to the image data (file) being transmitted.
- Do not turn the camera off while it is connected to the computer. Doing so could cause malfunction of the computer.
- Connecting the camera to a computer via a USB hub may cause unstable operation if there is any problem with compatibility between the computer and the hub. In this case, do not use a hub, but connect the camera directly to the computer.

Using OLYMPUS Master

For editing, and managing image files using with personal computer, install the OLYMPUS Master software on the CD-ROM supplied with the camera. After install the OLYMPUS Master software, connect the camera to the personal computer with USB cable for downloading the images taken by the camera.

What is OLYMPUS Master?

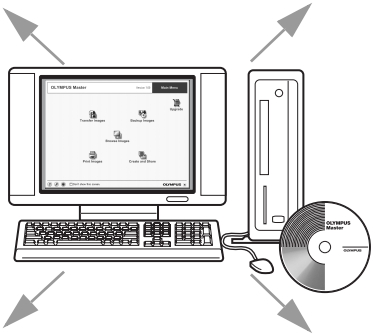
OLYMPUS Master is application software for editing images taken with a digital camera on a computer. Installing it on your computer lets you do the following:

Download images from the camera or other media

Manage images
You can organize your images by shooting date on a calendar display and entering key words to help you find them easily.

View images and movies
You can run a slideshow and play back movie.

Edit images
You can rotate images, trim them and change the size.



Edit images with the filter and correction functions

Print images
You can print images and make indexes, calendars and postcards.

For details of functions and operations other than the above, refer to the HELP guide and OLYMPUS Master instruction manual.

Installing OLYMPUS Master

Identify your computer's OS before installing the software.
For compatibility with new OS, refer to the Olympus website.

● Operating environment

Windows

OS	Windows 98SE/Me/2000 Professional/XP
CPU	Pentium III 500MHz or later
RAM	128MB or more (at least 256MB is recommended)
Hard disk capacity	300MB or more
Connector	USB port
Monitor	1024 × 768 pixels, 65,536 colors or more

- Data transfer is only guaranteed on computers with a factory installed OS.
- Windows XP corresponds to Windows XP Professional/Home Edition.
- Windows 2000 corresponds to Windows 2000 Professional.
- If you are using Windows 98SE, the USB driver is installed automatically.
- When installing to a PC operating with Windows 2000 Professional/XP, you must log into the PC as a user with administrator privileges.
- The PC must have QuickTime 6 or later and Internet Explorer installed.

Macintosh

OS	Mac OS X (10.2 or later)
CPU	Power PC G3 500MHz or later
RAM	128MB or more (at least 256MB is recommended)
Hard disk capacity	300MB or more
Connector	USB port
Monitor	1024 × 768 pixels, 32,000 colors or more

- Data transfer is only guaranteed on a Mac when the camera is connected to a computer equipped with a built-in USB port.
- Macintosh must have QuickTime 6 or later and Safali 1.0 or later installed.
- Be sure to remove the media (drag & drop onto the trash icon) before performing the following operations. Failure to do so could result in unstable computer operation and the need to reboot.
  - Disconnect the cable connecting the camera to the computer
  - Turn off the camera
  - Open the camera's battery compartment/card cover

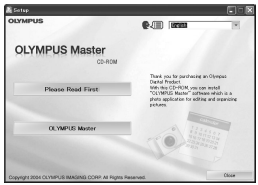
Windows

1 Insert the CD-ROM into the CD-ROM drive.

- The OLYMPUS Master installation screen is displayed.
- If the screen is not displayed, double-click the [My Computer] icon and click the [CD-ROM] icon.

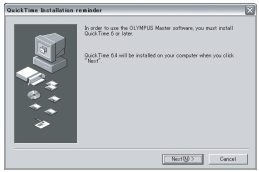
2 Click the [OLYMPUS Master] button.

- The QuickTime installation screen is displayed.
- You need QuickTime to use the OLYMPUS Master. The screen is not displayed if QuickTime 6 or later is already installed on the computer. →Go to Step 4.

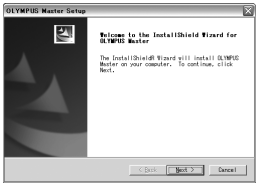


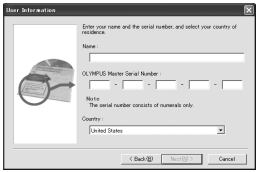
3 Click [Next] and follow the on-screen instructions.

- When the licensing agreement is displayed, read the agreement and click [Agree].
- The OLYMPUS Master installation screen is displayed.



4 Follow the on-screen instructions.





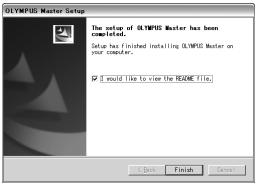
- When the licensing agreement is displayed, read the agreement and click [Yes].
- When the user data screen is displayed, enter your name and OLYMPUS Master serial number, select the country where you live and click [Next]. The OLYMPUS Master serial number is on sticker on the CD-ROM package.
- When the licensing agreement of DirectX is displayed during the installation, read the agreement and click the [Agree] button.
- A screen asking whether or not you want to install Adobe Reader is displayed. You need Adobe Reader to be able to read the OLYMPUS Master instruction manual. The screen is not displayed if Adobe Reader is already installed on your computer.

5 To install Adobe Reader, click [OK].

- To cancel installation, click [Cancel]. →Go to Step 7.
- The Adobe Reader installation screen is displayed.

6 Follow the on-screen instructions.

- The screen confirming that installation is completed is displayed.



7 Click [Finish].

- The screen returns to the first screen.

8 When the screen prompting you to restart the PC, remove the CD-ROM and select one of options to restart computer now.

Macintosh

1 Insert the CD-ROM into the CD-ROM drive.

- The CD-ROM window is displayed.
- If the screen is not displayed, double-click the [CD-ROM] icon on the desktop.

2 Double-click on the desired language folder.

3 Double-click the [Installer] icon.

- Follow the on-screen instructions.
- The OLYMPUS Master installer starts up.
- When the licensing agreement is displayed, read the agreement and click [Continue] and [Agree].
- The screen confirming that installation is completed is displayed.

4 Click [Close].

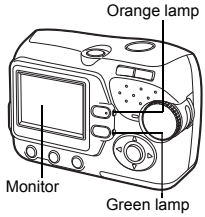
5 Remove the CD-ROM and select one of options to restart computer now.

Connecting the camera to a computer

Use the USB cable provided with the camera to connect the camera to your computer.

1 Make sure the camera is turned off.

- The monitor is off.
- The green lamp and the orange lamp on the camera are off.
- The lens is not extended.

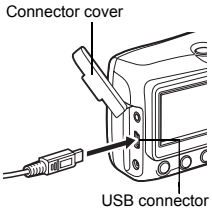


2 Plug the USB cable into the USB port on the computer.

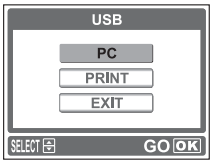
- Refer to your computer's instruction manual to locate the position of the USB port.

3 Plug the other end of the USB cable into the camera's USB connector.

- The camera turns on, and the green lamp on the camera lights.
- The monitor turns on and the selection screen for the USB connection is displayed.



4 Press △ ▽ to select [PC], and press ⓞ.



5 The camera is recognized by the computer.

- Windows 98SE/Me/2000
  When you connect the camera to your computer for the first time, the computer automatically recognizes the camera and displays a message. Click [OK] to exit the message. The camera is recognized as a "Removable Disk".

- Windows XP
  When the camera is connected to the computer, the screen for selecting an image file operation is displayed. As OLYMPUS Master will be used to download images, click [Cancel].
- Mac OS X
  The iPhoto program is the default application for managing digital images. When you connect your digital camera for the first time, the iPhoto application starts automatically, close this application and start OLYMPUS Master.

Note

- The camera functions are disabled while the camera is connected to a computer.

Starting up OLYMPUS Master

Windows

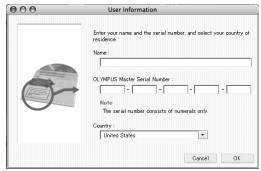
1 Double-click the [OLYMPUS Master] icon on the desktop.

- The main menu is displayed.
- When the application is started up for the first time, the user registration screen is displayed before the main menu. Follow the on-screen instructions and enter necessary information.

Macintosh

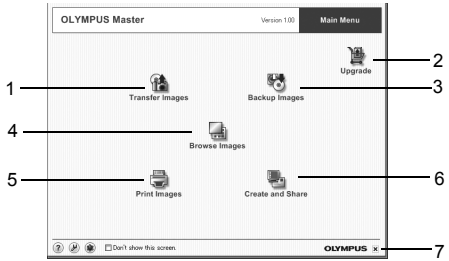
1 Double-click the [OLYMPUS Master] icon in the [OLYMPUS Master] folder.

- The main menu is displayed.
- When OLYMPUS Master is started up for the first time, the user data screen is displayed. Enter your name and the OLYMPUS Master serial number and select the country where you live. The OLYMPUS Master serial number is on sticker on the CD-ROM package.



- Subsequently to the user information screen, the user registration screen is displayed before the main menu. Follow the on-screen instructions and enter necessary information.

●OLYMPUS Master main menu



	Item	Description
1	**[Transfer Images] button**	Downloads images from the camera or other media.
2	**[Upgrade] button**	Displays a window to upgrade to OLYMPUS Master Plus.
3	**[Backup Images] button**	Creates backup images to other media.
4	**[Browse Images] button**	Displays the browse window.
5	**[Print Images] button**	Displays the print menu.
6	**[Create and Share] button**	Displays the create and share menu.
7	**Exit button**	Exits OLYMPUS Master.

●To exit OLYMPUS Master

1 Click the ✖ (Exit button) on the main menu.

- OLYMPUS Master is exited.

Displaying camera images on a computer

Downloading and saving images

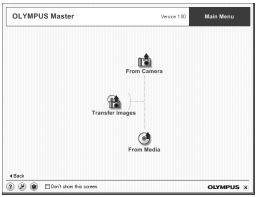
You can save camera images on your computer.

1 Click [Transfer Images] on the OLYMPUS Master main menu.

- The menu for selecting the source is displayed.

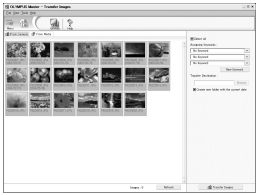
2 Click [From Camera].

- The window for selecting images is displayed. All the images in the camera are displayed.



3 Select the image files and click [Transfer Images].

- A confirmation dialog is displayed.



4 Click [Browse images now].

- The downloaded images are displayed in the browse window.
- To return to the main menu, click [MENU] in the "Browse Images" window.

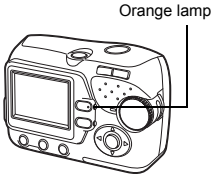
Note

- When pictures are being downloaded to the PC, the orange lamp on the camera blinks. Never remove the batteries or disconnect the AC adapter while the orange lamp is blinking. Do not open the battery compartment/ card cover. The file may be destroyed.

● To disconnect the camera

You can disconnect the camera after downloading the images to your computer.

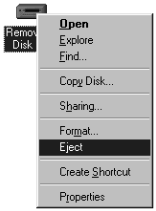
1 Make sure that the orange lamp on the camera is off.



2 Prepare to disconnect the cable.

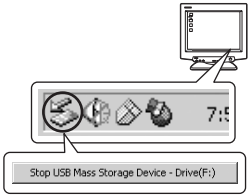
For Windows 98SE

1 Double-click the [My Computer] icon and right-click the [Removable Disk] icon to display the menu.
2 Click [Eject] on the menu.



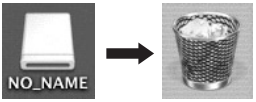
For Windows Me/2000/XP

1 Click the Eject Hardware icon in the system tray.
2 Click the displayed message.
3 When a message is displayed saying that the hardware can be ejected safely, click [OK].

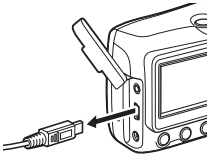


For Macintosh

1 Drag the [Untitled] or [NO_NAME] icon on the desktop and drop it to the trash icon.



3 Disconnect the USB cable from the camera.



Note

- For Windows Me/2000/XP:
  When you click Eject Hardware, a warning message may be displayed. Make sure that image data is not being downloaded from the camera and that all applications are closed. Click the Eject Hardware icon again and disconnect the cable.

Viewing still pictures and movies

1 Click [Browse Images] on the OLYMPUS Master main menu.

- The "Browse Images" window is displayed.

2 Double-click the still picture thumbnail that you want to view.

- The camera switches to the view mode and the picture is enlarged.
- To return to the main menu, click [MENU] in the "Browse Images" window.

● To view a movie

1 Double-click the movie thumbnail that you want to see in the "Browse Images" window.

- The camera switches to view mode and the first frame of the movie is displayed.

2 To play back the movie, click playback button ( ) at the bottom of the screen.

The names and functions of the controller parts are shown below.

	Item	Description
1	Playback slider	Move the slider to select a frame.
2	Time display	Displays the time that has elapsed during playback.
3	Playback (Pause) button	Plays the movie. Functions as the pause button during playback.
4	Back button	Displays the previous frame.
5	Forward button	Displays the next frame.
6	Stop button	Stops playback and returns to the first frame.
7	Repeat button	Plays the movie repeatedly.
8	Volume button	Displays the volume adjustment slider.

Printing pictures

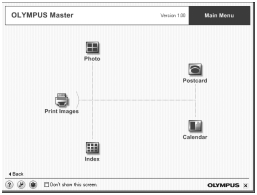
Pictures can be printed from the photo, index, postcard and calendar menus. The explanation below uses the photo menu as an example.

1 Click [Print Images] on the OLYMPUS Master main menu.

- The print menu is displayed.

2 Click [Photo].

- The "Photo Print" window is displayed.

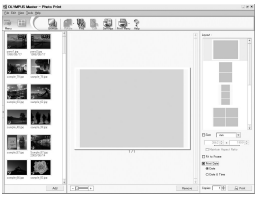


3 Click the [Printer Settings] in the "Photo Print" window.

- "Printer Settings" window is displayed. Set the required printer settings.

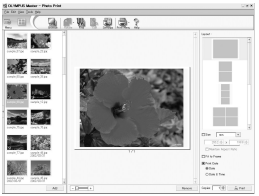
4 Select a layout and size.

- Check the [Print Date] check box and select [Date] or [Date & Time] to print out with the data or the data and time.

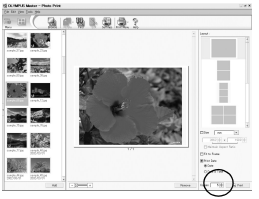


5 **Select the thumbnail image that you want to print and click [Add].**

- A preview of the selected image is displayed on the layout.



6 **Select the number of copies.**



7 **Click [Print].**

- To return to the main menu, click [MENU] in the "Photo Print" window.

Saving images to a computer without using OLYMPUS Master

This camera is compatible with USB mass storage. You can connect the camera to your computer using the USB cable supplied with the camera and save images without using OLYMPUS Master. The connectable environment of personal computer is shown below.

Windows: Windows 98/98SE/Me/2000 Professional/XP

Macintosh: Mac 9.0 to 9.2/X

Note

- If your computer is running Windows 98/98SE, you will need to install the USB driver. Before connecting the camera to your computer with the USB cable, double-click the file below that is locating on the OLYMPUS Master CD-ROM provided.
  (drive letter):\USB\INSTALL.exe
- Data transfer is not guaranteed in the following environments, even if your computer is equipped with a USB port.
  - Windows 95/NT 4.0
  - Windows 98/98SE upgrades from Windows 95
  - Mac OS 8.6 or earlier (However, data transfer is confirmed on Mac OS 8.6 equipped with a factory-installed USB port and USB MASS Storage Support 1.3.5.)
  - Computers with a USB port added by means of an extension card, etc.
  - Computers without a factory-installed OS and home-built computers.

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. Pictures can be stored in the internal memory if no card is inserted.
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.	Read-only setting is applied to the card by a PC. Cancel the setting using the PC.
MEMORY FULL	There is no empty space in the internal memory, so it cannot record new data.	Insert a card and copy the pictures to the card, or erase unwanted pictures. Before erasing, download important images to a PC.
CARD FULL	The card is full. The print reservation or backing up of the internal memory is not allowed.	Replace the card or erase unwanted pictures. Before erasing, download important images to a PC.
NO PICTURE	There are no pictures in the internal memory or the card.	The internal memory or the card contains no pictures. Record pictures.
PICTURE ERROR	The selected picture has a problem, therefore 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 battery compartment/ card cover is open.	Close the battery compartment/card cover.
	The card is not formatted.	Format the card. All data on the card will be deleted.

Troubleshooting

● Preparatory operations

Possible cause	Corrective action	Ref. Page
The camera does not turn on or function buttons do not respond.		
The power is off.	Press the power switch to turn on the camera.	P.24
The batteries are loaded incorrectly.	Reload the batteries correctly.	P.15
The batteries are exhausted.	Replace the batteries with new ones.	P.15
The batteries are temporarily unable to function because of the cold.	Warm the batteries by putting them in your pocket for a while.	–
The camera is in the sleep mode.	Operate the camera with the shutter button, the (📷), or (▶).	P.24
There is condensation* inside the camera.	Wait until the camera dries before turning it on again.	–
The camera is connected to a PC.	Disconnect from PC. The camera will not operate while it is connected to a PC.	–

*Condensation: When it is cold outside, the water vapor in the air is rapidly cooled and turns to droplets of water.
Condensation occurs when the camera is suddenly taken from a cold place into a warm room.

● Shooting

Possible cause	Corrective action	Ref. Page
No picture is taken when the shutter button is pressed.		
The batteries are exhausted.	Replace the batteries with new ones.	P.15
The camera is in the playback mode.	Press (📷) or the shutter button to switch to the shooting mode.	P.25
The power is off.	Turn on the camera.	P.24
The flash has not finished charging.	Release your finger from the shutter button, and wait until the ⚡ mark stops blinking. Press the shutter button again.	P.50
The internal memory or card is full.	Erase unwanted pictures or insert a new card. Before erasing, download important images to a PC.	P.74, 75, 78
The battery ran out of power during shooting or while the images were being written to the internal memory or the card. (The monitor goes off.)	Replace the batteries with new ones. (If the orange lamp is blinking, wait until the lamp stops blinking.)	P.15
There is a problem with the card.	Refer to the "Error codes".	P.124
The picture is out of focus.		
The subject was too close.	Move further away from the subject. To take pictures closer than 20 cm (7.9") with the zoom in the maximum WIDE position, use the super macro mode.	P.53
Auto focus is not possible.	Obtain the correct focus with the focus lock operation.	P.42
There is condensation* on the lens.	Turn the camera off and wait until it dries before turning it on again.	–
The flash does not fire.		
The flash is set to the flash off mode.	Select a flash mode other than flash off.	P.49
The subject is illuminated.	If you want the flash to fire on a brightly illuminated subject, set the flash to fill-in mode.	P.49
Movie mode, or super macro shooting is set.	The flash does not fire in the movie mode or super macro shooting.	P.45, 53

*Condensation: When it is cold outside, the water vapor in the air is rapidly cooled and turns to droplets of water.
Condensation occurs when the camera is suddenly taken from a cold place into a warm room.

Possible cause	Corrective action	Ref. Page
The monitor does not turn on.		
The camera is in the sleep mode.	Operate the camera with the shutter button or the (📷).	P.24
The monitor is hard to see.		
The monitor is exposed to direct sunlight.	Block the sunlight with your hand.	–
Vertical lines appear on the monitor screen.	Bright light, such as direct sunlight, may cause vertical lines to appear on the monitor screen. This is not a malfunction.	–
The date recorded with the image data is wrong.		
The date/time is not set.	Set the date/time. The clock adjustment is not factory-preset.	P.28
The camera has been left with the batteries removed.	If the camera is left for about 1 day with the batteries removed, the date and time setting will revert to the factory default setting. Set the date/time again.	P.28
The life of the batteries is short.		
The camera is being used in a cold area.	The battery performance decreases in cold areas. Protect the camera from the cold by using a cold protection gear, or by putting it inside your clothes.	–
The correct battery level is not displayed.	Batteries can run out without a warning message when the amount of power consumed increases considerably. Replace with new batteries.	P.12, 15

●Playback of recorded images

Possible cause	Corrective action	Ref. Page
Pictures you have taken do not appear on the monitor.		
The power is off.	Press the power switch to turn the camera on, and press the ▶ to switch to the playback mode.	P.24, 62
The camera is in the shooting mode.	Press the ▶ to switch to the playback mode.	P.25, 62
There are no pictures in the internal memory or on the card.	NO PICTURE appears on the monitor. Record pictures.	–
There is a problem with the card.	Refer to the "Error codes".	P.124
The camera is connected to a TV.	The monitor does not function when the video cable is connected to the camera.	P.69
Single-frame erase and all-frame erase cannot be performed.		
The pictures are protected.	Display the image with the 🔑 mark and select [OFF] from the [🔑] in the menu to release the protection.	P.73
No picture is displayed on the TV when connected to the camera.		
The video output signal is incorrect.	Set the video output signal according to the region where used.	P.83
The TV video signal setting is incorrect.	Set the TV to the video input mode.	P.69
The picture is out of focus.		
The camera moved when the shutter button was pressed.	Hold the camera correctly and press the shutter button gently. Camera movement occurs easily with slower shutter speeds. When you take a picture with the flash off mode in a night scene or a dark situation, use a tripod, or hold the camera firmly.	P.39 P.49
The lens was dirty.	Clean the lens. Use a commercially available blower blush and then wipe with a Lens cleaner to remove dust. Mold may form on the lens surface if the lens is left dirty.	–
The focus may not be correct even if the green lamp lights.	Determine the position of the subject after focusing the camera on an object about the same distance away as the subject.	P.42

Possible cause	Corrective action	Ref. Page
The picture is too bright.		
The flash was set to the fill-in flash mode.	Select a flash mode other than fill-in flash.	P.49
The subject was excessively illuminated.	Adjust the exposure compensation toward minus (–) or change the camera position.	P.60
The picture is too dark.		
The flash was blocked by your finger.	Hold the camera correctly, keeping your fingers away from the flash.	P.39
The subject was out of the working range of the flash.	Shoot within the flash working range.	P.50
The flash was set to the flash off mode.	Select a flash mode other than flash off.	P.49
The subject was too small and was backlit.	Set the flash to fill-in mode.	P.49
Bright subjects such as snow will turn out darker than their natural colors in the image.	Adjust the exposure compensation toward (+).	P.60
The colors of pictures taken indoors look unnatural.		
There is no white in the subject.	Include something white in the picture, or shoot using the fill-in flash mode.	P.49
The picture has obscured edge(s).		
The lens was partly blocked by your finger or the strap.	Hold the camera correctly, keeping your fingers and the strap away from the lens.	P.39

●When the camera is connected to a PC or printer

Possible cause	Corrective action	Ref. Page
The printer fails to connect.		
[PC] was selected on the monitor after connecting to the printer with a USB cable.	Disconnect the USB cable and start again from step1 of “Connecting the camera to a printer”.	P.92
The printer does not support PictBridge.	Refer to the printer’s instruction manual or contact the manufacturer.	–
The camera is not recognized by the PC.		
The PC failed to recognize the camera.	Disconnect the USB cable from the camera, and connect it again.	P.112
The USB driver has not been installed.	Uninstall and reinstall the OLYMPUS Master.	P.106

List of menus

● **Shooting mode menus (P-AUTO / / / / /)**

Function	Setting	Ref. Page
*1	SHQ, HQ, SQ1, SQ2	P.57
BACKUP*2	YES, NO	P.80
		P.28
	ENGLISH, FRANCAIS, DEUTSCH, ESPAÑOL, ITALIANO, РУССКИЙ, PORTUGUES	P.26
SLEEP	30sec, 1min, 3min, 10min	P.81
VIDEO OUT	NTSC, PAL	P.83
MEMORY FORMAT (CARD FORMAT)	YES, NO	P.78
PIXEL MAPPING	START, EXIT	P.82

*1 In the movie record mode ( ), only HQ/SQ can be selected.
*2 Unavailable when the card is not inserted.

● **Playback mode menus**

Function	Setting	Ref. Page
*1	, , CANCEL	P.68
BACKUP*2	YES, NO	P.80
*1*2	, , RESET, CANCEL	P.86, 88,90
	ON, OFF, EXIT	P.73
*1	, , , EXIT	P.65
MEMORY SETUP (CARD SETUP)	ALL ERASE, MEMORY FORMAT (CARD FORMAT), CANCEL	P.75, 78
		P.28
	ENGLISH, FRANCAIS, DEUTSCH, ESPAÑOL, ITALIANO, РУССКИЙ, PORTUGUES	P.26
SLEEP	30sec, 1min, 3min, 10min	P.81
VIDEO OUT	NTSC, PAL	P.83
	4, 9	P.67

*1 Unavailable while playing a movie.
*2 Unavailable when the card is not inserted.

List of factory default settings

● **Shooting mode**

	AUTO
	OFF
	OFF
	0.0
Zoom	Wide
	HQ

● **Playback mode**

	9

● **Other default settings**

	2004.01.01
	ENGLISH
SLEEP	30 sec
VIDEO OUT*	NTSC or PAL

* Setting differs according to the region where the camera is sold.

List of items by shooting mode

Item \ Shooting mode	P-AUTO					
,	✓	✓	✓	✓	—	✓
	✓	✓	✓	✓	✓	—
	✓	✓	✓	✓	✓	✓
Zoom	✓	✓	✓	✓	W (Wide) fixed	✓
	✓	✓	✓	✓	✓	✓*
	✓	✓	✓	✓	✓	✓
MEMORY FORMAT (CARD FORMAT)	✓	✓	✓	✓	✓	✓
RESET	✓	✓	✓	✓	✓	✓
BACKUP	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓	✓
SLEEP	✓	✓	✓	✓	✓	✓
VIDEO OUT	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓	✓

* In the movie record mode, only HQ/SQ can be selected.

Camera maintenance

● Cleaning the camera

Exterior:

→ Wipe gently with a soft cloth. If the camera is very dirty, soak the cloth in mild soapy water and wring well. Wipe the camera with the damp cloth and then dry it with a dry cloth. If you have used the camera at the beach, use a cloth soaked in clean water and well wrung.

Monitor:

→ Wipe gently with a soft cloth.

Lens:

→ Blow dust off the lens with a commercially available blower, and wipe gently with a commercially available lens cleaning paper.

Note

- Do not use strong solvents such as benzene or alcohol, or chemically treated cloth.
- Mold may form on the lens surface if the lens is left dirty.

● Storage

- When storing the camera for extended periods, remove the batteries and card from the camera, and keep it in a cool, dry place that is ventilated well.
- Periodically, replace the batteries, and test camera functions.

Note

- Avoid leaving the camera in places where chemical products are handled since this may result in corrosion.

Specifications

Product type	:	Digital camera (for shooting and displaying)
Recording system		
Still picture	:	Digital recording, JPEG (in accordance with Design rule for Camera File system (DCF))
Applicable standards	:	Exif 2.2, Digital Print Order Format (DPOF), PRINT Image Matching II, PictBridge
Movie	:	QuickTime Motion JPEG support
Memory	:	Internal memory (12 MB), xD-Picture Card (16 – 512 MB)
No. of storable pictures		
When an internal memory is used	:	Approx. 5 frames (SHQ : 2048 x 1536) Approx. 14 frames (HQ : 2048 x 1536) Approx. 18 frames (SQ1 : 1600 x 1200) Approx. 68 frames (SQ2 : 640 x 480)
No. of effective pixels	:	3,200,000 pixels
Image pickup device	:	1/2.7" CCD solid-state image pickup, 3,340,000 pixels (gross)
Lens	:	Olympus lens 5.8 mm to 17.4 mm, f2.9 to 5.0 (equivalent to 38 mm to 114 mm lens on 35 mm camera)
Photometric system	:	Center-weighted metering
Shutter speed	:	1 to 1/2000 sec. (NIGHT SCENE mode: 2 sec)
Shooting range	:	0.5 m (1.6 ft.) to ∞ (W), 0.9 m (3.0 ft.) to ∞ (T) (normal) 0.2 m (0.7 ft.) to 0.5m (1.6 ft.) (W), 0.5 m (1.6 ft.) to 0.9 m (3.0 ft.)(T) (macro mode)
Monitor	:	1.5" TFT color LCD display, 130,000 pixels
Outer connector	:	DC-IN jack, USB connector (mini-B), VIDEO OUT jack
Automatic calendar system	:	2004 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	:	2 AA (R6) alkaline batteries or NiMH batteries. AC adapter (optional) Manganese (zinc-carbon) batteries and lithium battery packs (CR-V3) cannot be used.
Dimensions	:	87.5 mm (W) x 62.5 mm (H) x 38.5 mm (D) (3.4" x 2.5" x 1.5") (excluding protrusions)
Weight	:	140 g (0.3 lb) (without batteries and/or card)

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

Glossary of terms

CCD (Charge-Coupled Device)
This converts light passing through the lens into electrical signals. On this camera, light is picked up and converted into RGB signals to build a single image.

DCF (Design rule for Camera File system)
A standard for image files by the Japan Electronics and Information Technology Industries Association (JEITA).

DPOF (Digital Print Order Format)
This is for saving desired print settings on digital cameras. By entering which images to print and the number of copies of each, the user can easily have the desired images printed by a printer or print lab that supports the DPOF format.

Exposure
The amount of light used to capture an image. The exposure is determined by the time the shutter is open (shutter speed) and the amount of light that passes through the lens (aperture).

JPEG (Joint Photographic Experts Group)
A compression format for still images. Photographs (images) shot using this camera are recorded onto the card or in the internal memory in JPEG format. By downloading these images to a personal computer, users can edit them using graphics application software or view the images using an Internet web browser.

NTSC (National Television Systems Committee) / PAL (Phase Alternating Line)
Television formats. NTSC is mainly used in Japan, North America and Korea. PAL is mainly used in Europe and China.

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

Pixels
A pixel is the smallest unit (dot) used to make up an image. Clear large-sized printed images require millions of pixels.

Resolution

The size of the picture expressed as the number of dots (pixels) that make up the image. For instance, a picture taken in 640 x 480 resolution is the same size as the PC screen when the monitor setting is 640 x 480. However, if the monitor setting is 1024 x 768, the picture only takes up part of the screen.

Sleep Mode

To get out of the sleep mode, press the shutter button, shooting button ( ), or playback button ( ).

TFT (Thin-Film Transistor) Color Monitor

A color monitor constructed using thin-film transistor technology.

Index

A

AC adapter 17
AF target mark. 39,42
Alkaline batteries 17
All-frame erase 75
All-frame reservation 86
Arrow pad 9,31,62
Auto focus 44
Auto-flash 51

B

BACKUP 80
Batteries 15
Battery compartment/card cover
. 8,15,21

C

Camera movement warning 50
Card. 19,20
CARD FORMAT 78
CARD SETUP 75,78
CCD. 139
Close-up playback 64
Connector cover
. 8,17,69,92,112
Current memory 19

D

DCF. 139
DC-IN jack 8,17
Digital zoom. 47
Direct printing 91
DPOF 84,139

E

Elapsed time/Total recording time
. 71
Erase button ( ) 9,74
Erasing pictures 74
Exposure. 40,139
Exposure compensation 60
Exposure compensation button ( )
. 9,60

F

File number. 11
Fill-in flash 51
Flash. 8,49
Flash charge. 39
Flash mode. 49
Flash mode button ( ) 9,49
Flash off 52
Flash standby 39
Focus Lock 42

G

Green lamp (on the camera)
. 9,12,25,62,92
Green lamp (on the monitor). 39

H

HQ 57

I

Index display 66,67
Internal memory 19,57

J

JPEG 139

L

Landscape 37
Language 26
Lens 8
Lock button 8,15,21

M

Macro mode 53
Macro mode button ( ) 9,54
Macro shooting 53
MEMORY FORMAT 78
MEMORY SETUP 75,78
Menu button ( ) 9,31
Menus 31,33
Mode dial. 9,36
Monitor 9,10
Movie 38,45
Movie play 71

N

Night scene 37
NiMH batteries. 15,17
NTSC. 83,139
Number of storable still pictures
. 39,57

O

OK button ( ) 9,31
OLYMPUS Master. 105
Optical zoom 47
Orange lamp 9,12,24,39,40

P

PAL 83,139
PictBridge 91,139
Picture rotation 65
PIXEL MAPPING. 82
Pixels. 139
Playback button ( ) 9,25,62
Playback mode 25,62
Playback on TV 69
Portrait 36
Power switch 8,24,39,62
Pressing fully 40
Pressing halfway 40
Print reservation 84
PROGRAM AUTO P-AUTO 36
Protect 73

R

Rechargeable batteries. 17
Record mode 57
Red-eye reduction flash 51
Remaining battery power 12
Remaining recording time. . . . 45,57
RESET 76
Reset button (RESET) 9,76
Resetting print reservation data
. 90
Resolution. 57,140

S

Self portrait 38
Self-timer 55
Self-timer button ( ) 9,55
Self-timer lamp 8,56
Setting the date and time
. 28
Shooting button ( ) 9,25,62
Shooting mode 25,36
SHQ 57
Shutter button 8,39,40
Single-frame erase 74
Single-frame playback 62
Single-frame reservation 88
SLEEP 81
Sleep mode. 24,81,140
Slideshow 68
SQ. 57
Strap 14
Strap eyelet. 9,14
Super macro shooting 53

T

TFT 140
Tripod socket. 8

U

USB cable 92,112
USB connector 8,92,112

V

Video cable 69
VIDEO OUT. 83
VIDEO OUT jack 8,69

X

xD-Picture Card. 19,20

Z

Zoom button 9,47,64,66

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