

DIGITAL CAMERA

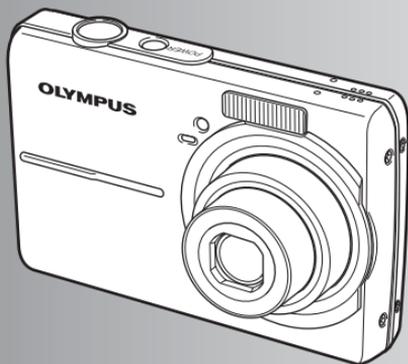
OLYMPUS[®]

FE-190/X-750

Advanced Manual

Quick Start Guide

Get started using your camera right away.



Button operations

Menu operations

Printing pictures

Using OLYMPUS Master

Getting to know your camera better

Miscellaneous

- 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.
- In the interest of continually improving products, Olympus reserves the right to update or modify information contained in this manual.
- The screen and camera illustrations shown in this manual were produced during the development stages and may differ from the actual product.

About this manual

To understand the basic operations of this camera ⇒ Quick Start Guide

Step-by-step instructions are provided on how to set up the camera and use the basic operations for taking and playing back still pictures.



Recommended for:

- People using the OLYMPUS digital camera for the first time
- People who do not have much experience using a digital camera

Gather these items (box contents)...	3	Set the date and time.....	6
Prepare the battery	4	Take a picture	8
Charge the battery	4	Review your pictures	9
Turn the camera on	5		

To quickly find the information you need

The various camera buttons and menus are described according to their functions. Find the information you need by searching for a term, operation or specific topic.



Recommended for:

- People with experience using a digital camera

Button operations.....	14	Getting to know your camera better	50
Menu operations.....	19		
Printing pictures	30	Miscellaneous	60
Using OLYMPUS Master	38		

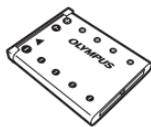
Gather these items (box contents)



Digital Camera



Strap



Lithium Ion Battery
(LI-42B)



Battery Charger
(LI-40C)



USB Cable



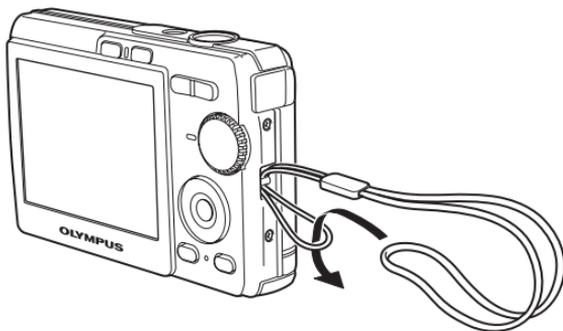
AV Cable



OLYMPUS Master
CD-ROM

Items not shown: Advanced Manual (this manual), Basic Manual, warranty card. Contents may vary depending on purchase location.

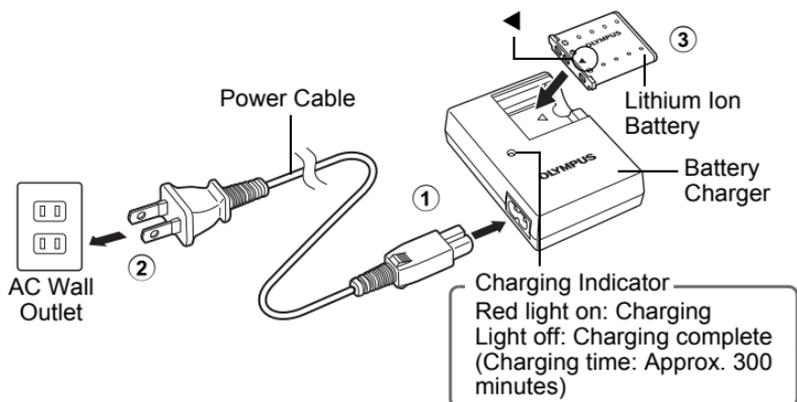
Attach the strap



- Pull the strap tight so that it does not come loose.

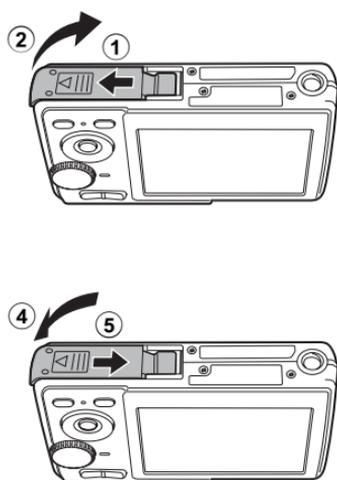
Prepare the battery

a. Charge the battery.

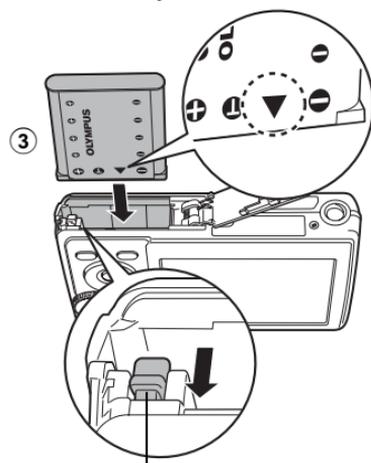


- Battery comes partially charged.

b. Insert the battery in the camera.



- Insert the battery in the direction indicated by the ▼ mark.



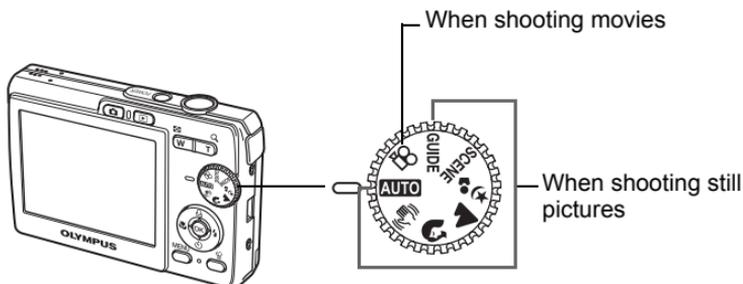
- To remove the battery, press the battery lock knob in the direction of the arrow.

- For details on inserting an optional xD-Picture Card (hereinafter called the card), please refer to "Inserting and removing the card" (P. 63).

Turn the camera on

This explains how to turn on the camera in shooting mode.

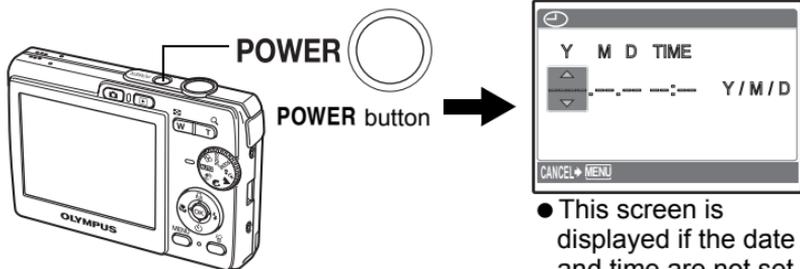
a. Set the mode dial to **AUTO**.



Still picture shooting modes

AUTO	For normal shooting.
	This function reduces the blur incurred by a moving subject or camera movement when taking pictures.
	Suitable for taking pictures of people.
	Suitable for taking pictures of a landscape.
	Suitable for taking pictures of people at night.
SCENE	Select from 10 scene modes according to the shooting conditions.
GUIDE	Use the shooting guide displayed on the screen to shoot pictures according to the situation.

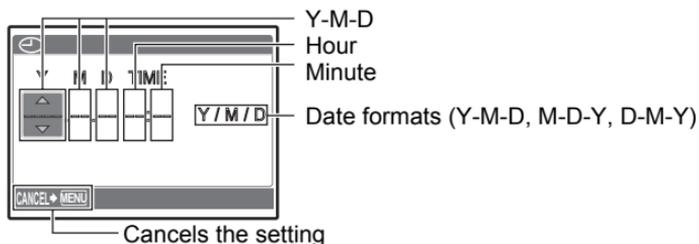
b. Press the **POWER** button.



- To turn off the camera, press the **POWER** button once again.

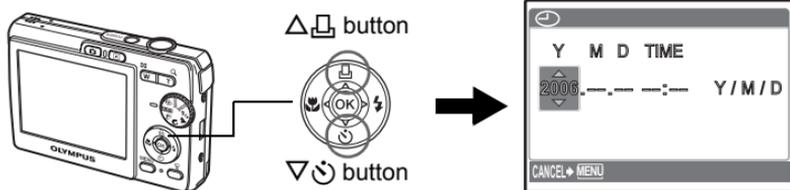
Set the date and time

About the date and time setting screen

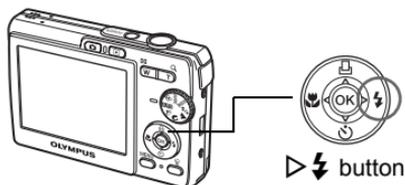


a. Press the Δ and ∇ buttons to select [Y].

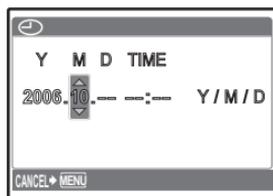
- The first two digits of the year are fixed.



b. Press the \triangleright button.



c. Press the Δ and ∇ buttons to select [M].



- d. Press the  button.
 e. Press the  and  buttons to select [D].



- f. Press the  button.
 g. Press the  and  buttons to select the hours and minutes.

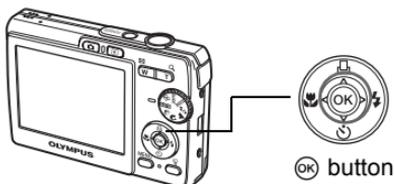


- h. Press the  button.
 i. Press the  and  buttons to select [Y/M/D].



- j. After all settings have been set, press .

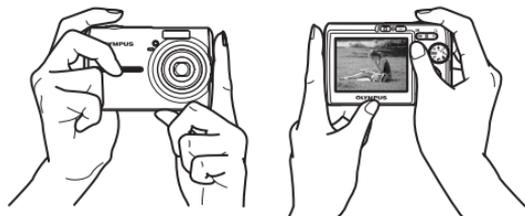
- The time is displayed in the 24-hour format.
- For a more accurate setting, press  when the time signal hits 00 seconds.



Take a picture

a. Hold the camera.

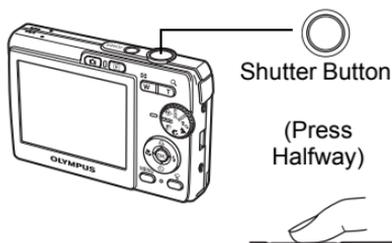
Horizontal grip



Vertical grip



b. Focus.



Place this mark over your subject.



The number of pictures that can be taken is displayed.

The green lamp indicates the focus and exposure are locked.

c. Shoot.

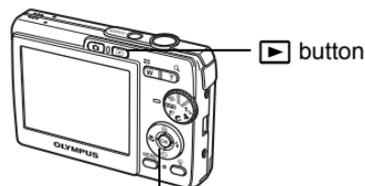


The card access lamp blinks.



Review your pictures

- a. Press the  button.

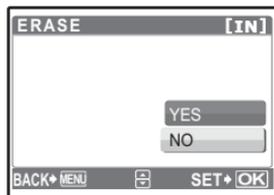
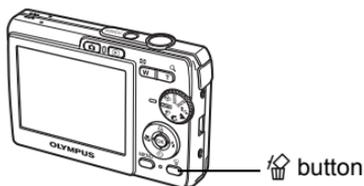


Arrow pad

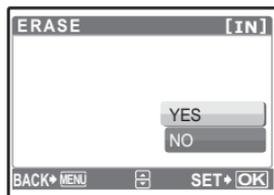
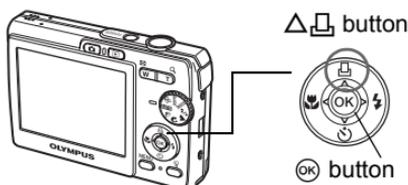


Erase pictures

- a. Press the  and  buttons to display the picture you want to erase.
- b. Press the  button.



- c. Press the  button, select [YES], and press .



Button operations 14

Test out the functions of the camera buttons by following the illustrations and actually trying them out on the camera.

POWER button	Turning the camera on and off	14
Shutter button	Shooting pictures/movies	14
 button (Shooting)	Selecting shooting mode/ Turning the camera on	15
 button (Playback)	Selecting playback mode/ Turning the camera on	15
Mode dial	Switching shooting modes	15
AUTO	Shooting pictures with automatic settings	15
	Shooting pictures using digital image stabilization	15
	Shooting pictures according to the situation	15
SCENE	Shooting pictures by selecting a scene mode according to the situation	15
	Recording movies	16
GUIDE	Follow the shooting guide for setting	16
Arrow pad (Δ ∇ ◀ ▶)		16
 button		16
 button	Printing pictures	16
 button	Shooting pictures close to the subject	17
 button	Self-timer shooting	17
 button	Flash shooting	17
MENU button	Displaying the top menu	17
 button	Erasing pictures	17
Zoom button	Zooming while shooting/Close-up playback	18

Menu operations 19

Learn everything about the menus, from basic operations to the functions of each menu and their various settings.

About the menu		19
Operation guide		19
Using the menus		20
Shooting mode menu 		21
IMAGE QUALITY	Changing the image quality	21
PANORAMA	Creating a panoramic picture	22
RESET	Changing the shooting functions back to default settings	22
EXPOSURE COMP.	Changing picture brightness	23
SILENT MODE	Muting operational sounds	23

Playback mode menu 	23
SLIDESHOW	Playing back pictures automatically 23
MOVIE PLAY	Playing back movies 24
RESIZE	Changing the size of pictures 25
ROTATE	Rotating pictures 25
PROTECT	Protecting pictures 25
ERASE	Erasing selected pictures/Erasing all pictures 25
SEL. IMAGE	Erasing by selecting the single-frame 26
ALL ERASE	Erasing all the pictures in the internal memory or the card 26
PRINT ORDER	Making print reservations (DPOF) 26
SETUP menus	26
MEMORY FORMAT (FORMAT)	Formatting the internal memory or card 27
BACKUP	Copying pictures in the internal memory to the card 27
	Selecting a display language 27
PIXEL MAPPING	Adjusting the image processing function 27
 	Turning on the camera with the  or  button 27
	Adjusting the monitor brightness 27
BEEP	Adjusting the volume of operation sound when the buttons are pressed 27
	Adjusting the volume of camera warning sound 28
SHUTTER SOUND	Adjusting the volume of the shutter button 28
VOLUME	Adjusting the volume during movie playback 28
	Recording movies with or without sound 28
	Setting the date and time 28
VIDEO OUT	Playing back pictures on a TV 29

Printing pictures 30

Learn how to print pictures you have taken.

Direct printing (PictBridge)	30
Using the direct printing function	30
EASY PRINT	30
Other print modes and print settings (CUSTOM PRINT)	32
Print settings (DPOF)	35
How to make print reservations	35
Single-frame reservation	36
All-frame reservation	37
Resetting print reservation data	37

Using OLYMPUS Master 38

Learn how to transfer pictures to a computer and save them.

Flow	38
Using OLYMPUS Master	38
What is OLYMPUS Master?	38
Install the OLYMPUS Master software	39
Connecting the camera to a computer	42
Start up the OLYMPUS Master software	43
Displaying camera images on a computer	44
Downloading and saving images	44
Viewing still pictures and movies	46
Printing pictures	47
To download and save images to a computer without using OLYMPUS Master	48
To increase the number of languages	48

Getting to know your camera better 50

Find out more about your camera and learn what to do when you have a question regarding operations.

Shooting tips and information	50
Tips before you start taking pictures	50
The camera does not turn on even when a battery is loaded	50
No picture is taken when the shutter button is pressed	50
The date and time have not been set	51
Shooting tips	51
Focusing on the subject	51
Subjects that are difficult to focus on	51
Taking pictures without blurring	52
Taking pictures without the flash	52
The picture is too grainy	52
Taking pictures of a white beach or snow scene	52
Taking pictures of a subject against backlight	52
Additional shooting tips and information	53
Increasing the number of pictures that can be taken	53
Using a new card	53
Lamp indicators	54
Extending the useful life of the battery	54
Functions that cannot be selected from menus	54
Selecting the optimal image quality	55
To return the settings of functions to default settings	55

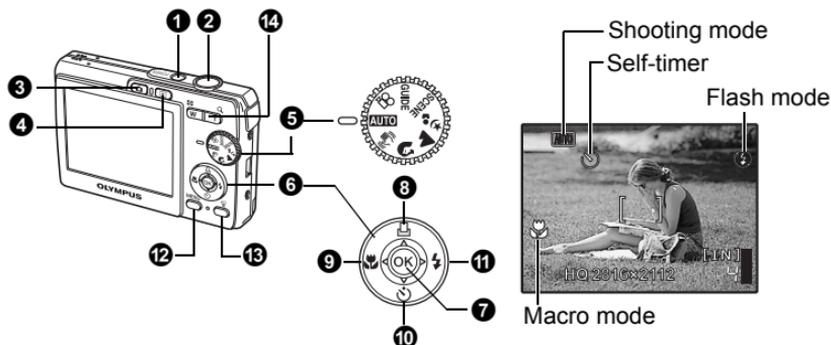
Playback tips.....	55
Playing back pictures in the internal memory.....	55
Quickly displaying a desired picture.....	55
Viewing pictures on a computer.....	55
Viewing the entire picture on a computer screen.....	55
When you get an error message on the camera.....	56
Functions available in shooting modes and scenes.....	58
Glossary of terms.....	59

Miscellaneous 60

Read about convenient functions and safety precautions on how to use your camera more effectively.

Camera care.....	60
Battery and charger.....	61
Useful use of the accessories.....	62
The card.....	62
Safety Precautions.....	65
General Precautions.....	65
Handling the Camera.....	66
Battery Handling Precautions.....	67
Caution for Usage Environment.....	68
Battery Handling Precautions.....	68
LCD Monitor.....	69
Legal and Other Notices.....	69
Disclaimer of Warranty.....	69
Warning.....	69
Copyright Notice.....	69
FCC Notice.....	70
For customers in North and South America.....	70
For customers in Europe.....	71
SPECIFICATIONS.....	73
Names of Parts.....	75
Camera.....	75
Monitor Symbols & Icons.....	76
Index.....	78

Button operations



1 POWER button

Turning the camera on and off

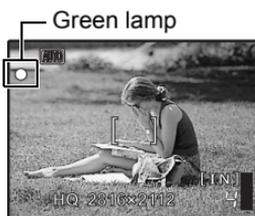
- Power on: Camera turns on in shooting mode.
- Monitor turns on
 - Lens extends

2 Shutter button

Shooting pictures/movies

Shooting still pictures

Set the mode dial to a setting other than , and lightly press the shutter button (halfway). The green lamp lights when the focus and exposure are locked (focus lock). Now press the shutter button all the way (completely) to shoot a picture.



Locking the focus and then composing the shot (focus lock)

Compose your picture with the focus locked, and then completely press the shutter button to shoot a picture.

- When the green lamp blinks, the focus is not adjusted properly. Try locking the focus again.

Recording movies

Set the mode dial to , and lightly press the shutter button to lock the focus, and then press the shutter button completely to start recording. Press the shutter button again to stop recording.

3  **button (Shooting)** Selecting shooting mode/Turning the camera on

Shooting mode is selected.

When  is pressed with the camera off, the camera turns on in shooting mode.

 “/  Turning on the camera with the  or  button” (P. 27)

4  **button (Playback)** Selecting playback mode/Turning the camera on

The last picture taken is displayed.

- Press the arrow pad to view other pictures.
- Use the zoom button to switch between close-up playback and index display.

When  is pressed with the camera off, the camera turns on in playback mode.

 “/  Turning on the camera with the  or  button” (P. 27)

 Movie playback “MOVIE PLAY Playing back movies” (P. 24)

5 **Mode dial** **Switching shooting modes**

Set the mode dial to the desired shooting mode.

AUTO Shooting pictures with automatic settings

The camera determines the optimum settings for shooting pictures.

 **Shooting pictures using digital image stabilization**

This function reduces the blur incurred by a moving subject or camera movement when taking pictures.

   **Shooting pictures according to the situation**

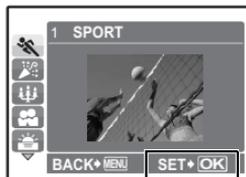
Use PORTRAIT, LANDSCAPE and NIGHT+PORTRAIT to shoot pictures with the optimal settings.

SCENE Shooting pictures by selecting a scene mode according to the situation

Select from 10 scene modes according to the shooting conditions.

Press  for setting.

 SPORT /  INDOOR /  CANDLE /  SELF PORTRAIT
 SUNSET /  FIREWORKS /  BEHIND GLASS /  CUISINE
 DOCUMENTS /  AUCTION



Press  to decide the scene.

- The scene selection screen displays sample images and the shooting mode to best suit the situation.
- To switch to a different scene mode after a scene mode has been selected, set the mode dial to a different setting and then set it back to **SCENE**. The scene selection screen is displayed.
- By switching to the other scene, most settings will be changed to the default settings of each scene.

Recording movies

Audio is recorded with the movie.

- During audio recording, only the digital zoom can be used. To record the movie with the optical zoom, set [U] to [OFF].

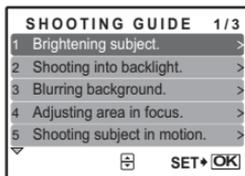
 “U Recording movies with or without sound” (P. 28)



This lights red during movie recording.

The remaining recording time is displayed. When the remaining recording time reaches 0, recording stops.

GUIDE Follow the shooting guide for setting



Follow the shooting guide displayed on the screen to set the target items.

- Press **MENU** to display the shooting guide again.
- To change the setting without using the shooting guide, set the shooting mode to another one.
- The content set using the shooting guide will change to the default setting by pressing **MENU** or changing the mode using the mode dial.

6 Arrow pad ()

Use the arrow pad to select scenes, playback picture, and the items on the menus.

7 button

This button is used to confirm your selection.

8 button

Printing pictures

Display a picture to print out in playback mode, connect the camera to the printer, and then press  to print the picture.

 “EASY PRINT” (P. 30)

9  **button****Shooting pictures close to the subject**

Press  in shooting mode to select the macro mode.

Press  for setting.

OFF	MACRO OFF	Cancels macro mode.
	MACRO ON	This mode lets you shoot from as close as 10 cm/3.9 in. (when the zoom is set for the zoom-out angle) and as close as 60 cm/23.6 in. (when the zoom is set for the zoom-in angle) to your subject.
	SUPER MACRO	This mode lets you shoot from as close as 5 cm/2.0 in. to your subject. The zoom position is fixed automatically and cannot be changed.

10  **button****Self-timer shooting**

Press  in shooting mode to select on or off for the self-timer.

Press  for setting.

OFF	SELFTIMER OFF	Cancel the self-timer.
	SELFTIMER ON	After the setting, press the shutter button completely.

- The self-timer lamp lights for approximately 10 seconds, blinks for approximately 2 seconds, and then the picture is taken.
- To cancel the self-timer, press .
- Self-timer shooting is automatically canceled after one shot.

11  **button****Flash shooting**

Press  in shooting mode to select the flash mode.

Press  for setting.

AUTO	FLASH AUTO	The flash fires automatically in low light or backlight conditions.
	REDEYE	This emits pre-flashes for red-eye reduction.
	FILL IN	The flash fires regardless of the available light.
	FLASH OFF	The flash does not fire even in low light conditions.

12 **MENU button****Displaying the top menu**

Displays the top menu.

13  **button****Erasing pictures**

In playback mode, select the picture you want to erase, and press .

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

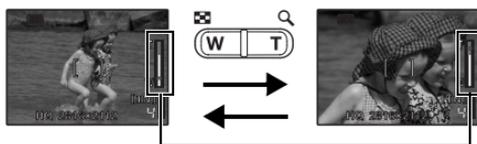
 “PROTECT Protecting pictures” (P. 25)

Shooting mode: Zooming in on your subject

Optical zoom: 3×

Digital zoom: 4× (optical zoom × digital zoom: Max. 12×)

Zoom out:
Press W on
the zoom
button.



Zoom in:
Press T on
the zoom
button.

Zoom bar

The white area is the optical zoom area.
The red area is the digital zoom area.
When the slider enters the red area, the
digital zoom activates and the image is
further enlarged.

Playback mode: Switching the picture display

Single-frame playback

- Use the arrow pad to browse pictures.



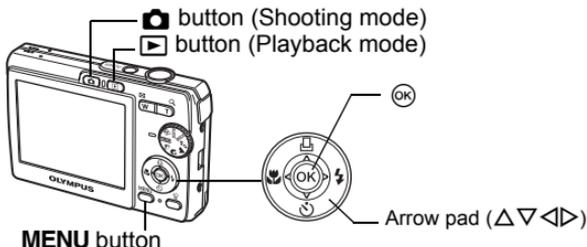
Index display

- Use the arrow pad to select a picture for playback, and press **OK** to play back the single-frame of the picture selected.

Close-up playback

- Press and hold T to incrementally enlarge the picture up to 10 times the original size. Press W to reduce the size.
- Press the arrow pad during close-up playback to scroll the picture in the indicated direction.
- When returning to the single-frame playback, press **OK**.

Menu operations

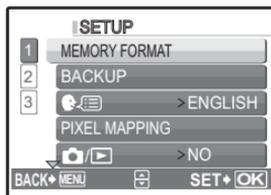
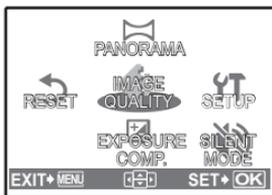


About the menus

Press **MENU** to display the top menu on the monitor.

- The contents displayed on the top menu differ according to the mode.

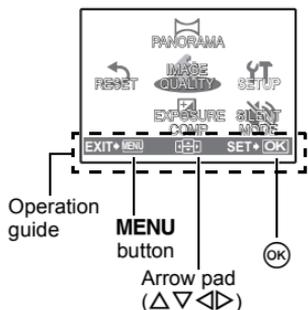
Top menu (shooting mode)



- When [SETUP] is selected, the screen for selecting the menu item is displayed.
- When the mode dial is set at **GUIDE** and the settings are made by following the shooting guide, press **MENU** to display the shooting guide screen.

Operation guide

During menu operations, the buttons and their respective functions are displayed at the bottom of the screen. Follow these guides to navigate the menus.



BACK+MENU : Moves back one menu.

EXIT+MENU : Exits the menu.

Δ ∇ ◀ ▶ : Press the arrow pad (Δ ∇ ◀ ▶) to select an item.

SET+OK : Sets the selected item.

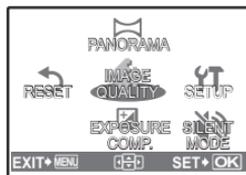
Using the menus

This explains how to use the menus with the [■)]] (warning sound) setting as an example.

1 Set the mode dial to a setting other than GUIDE.

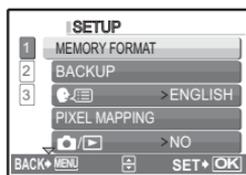
2 Press MENU to display the top menu. Select [SETUP], and press \odot .

- [■)]] is on a menu in [SETUP]. Press \odot .

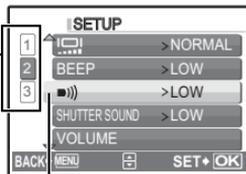


3 Press \triangle / ∇ to select [■)]], and press \odot .

- Unavailable settings cannot be selected.
- Press \triangleleft on this screen to move the cursor to the page display. Press \triangle / ∇ to change the page. To return to the item selection screen, press \triangleright or \odot .



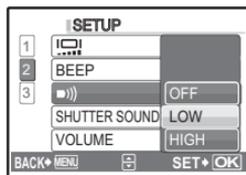
Page display: _____
This mark is displayed when there are more menu items on the next page.

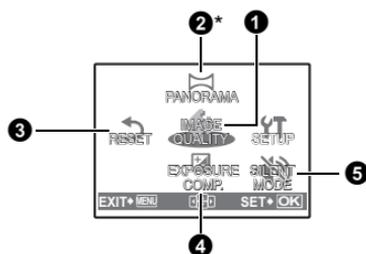


The selected item is displayed in a different color.

4 Press \triangle / ∇ to select [OFF], [LOW] or [HIGH], and press \odot .

- The menu item is set and the previous menu is displayed. Press **MENU** repeatedly to exit the menu.
- To cancel any changes and continue operating the menus, press **MENU** without pressing \odot .





* xD-Picture Card is required.

- Some functions are not available according to the selected mode.
 “Functions available in shooting modes and scenes” (P. 58)
- “SETUP menus” (P. 26)
- The factory default settings are displayed in gray ().

1 IMAGE QUALITY

Changing the image quality

Still picture image quality and their applications

Image quality/Image size	Compression	Application
SHQ 2816 × 2112	Low compression	<ul style="list-style-type: none"> • This is useful for printing large images on full-size paper.
HQ 2816 × 2112	Standard compression	<ul style="list-style-type: none"> • This is useful for performing computer image processing, such as contrast adjustment and red-eye correction.
SQ1 2048 × 1536	Standard compression	<ul style="list-style-type: none"> • This is useful for letter-size prints. • This is useful for computer editing such as rotating or adding text to a picture.
SQ2 640 × 480	Standard compression	<ul style="list-style-type: none"> • This is useful for postcard-sized prints. • This is useful for sending as e-mail attachments.

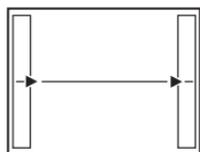
Movie image quality

Image quality/Image size
HQ 320 × 240
SQ 160 × 120

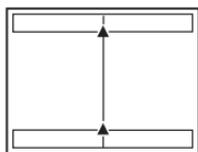
2 PANORAMA

Creating a panoramic picture

Panorama shooting lets you create a panoramic picture, using the OLYMPUS Master software from the provided CD-ROM. An Olympus xD-Picture Card is required for panorama shooting.



Connects pictures from
left to right



Connects pictures from
bottom to top

- ▷: The next picture is connected at the right edge.
◁: The next picture is connected at the left edge.

- △: The next picture is connected at the top.
▽: The next picture is connected at the bottom.

Use the arrow pad to specify at which edge you want to connect the pictures, and then compose your shots so that the edges of the pictures overlap. The part of the previous picture where it will be joined to the next picture does not remain in the frame. You have to remember what the part in the frame looked like and take the next picture so it overlaps.



Panorama shooting is possible for up to 10 pictures. Press **OK** to exit panorama shooting.

3 RESET

Changing the shooting functions back to default settings

NO / YES

Restore shooting functions back to default settings.

Functions for returning the settings to the original when the reset function is executed

Function	Factory default setting	Ref. Page
	AUTO	P. 17
	OFF	P. 17
EXPOSURE COMP.	0.0	P. 23
	OFF	P. 17
IMAGE QUALITY	HQ	P. 21
SILENT MODE	OFF	P. 23
SCENE	SPORT	P. 15

4 EXPOSURE COMP.

Changing picture brightness



Press \triangleleft / \triangleright to set the exposure compensation, and then press OK .

- Adjustable from -2.0 EV to +2.0 EV
- \triangleright : Adjusts toward [+].
- \triangleleft : Adjusts toward [-].

5 SILENT MODE

Muting operational sounds

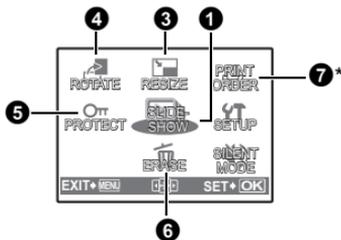
OFF / ON

This function allows you to mute operational sounds during shooting and playback (e.g. warning beeps, shutter sounds, etc.).

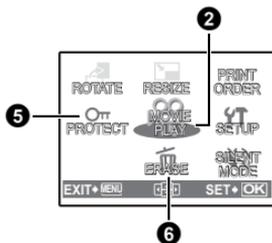
Playback mode menu



When a still picture is selected



When a movie is selected



* A card is required.

P "SETUP menus" (P. 26)

P "SILENT MODE Muting operational sounds" (P. 23)

- The factory default settings are displayed in gray ().

1 SLIDESHOW

Playing back pictures automatically

Press OK to start the slideshow.

- To cancel the slideshow, press OK .
- Only the first frame of each movie is displayed.

2 MOVIE PLAY

Playing back movies

Select [MOVIE PLAY] from the top menu, and press **OK** to play back the movie. Another option is to select a picture with the movie icon () , and press **OK** to play back the movie.



Operations during movie playback



Playing time/Total recording time

△ : Increases the volume.

▽ : Reduces the volume.

▶ : Fast forwards playback when pressed and held.

◀ : Rewinds playback when pressed and held.

- Press **OK** to pause the playback.

Operations during pause



△ : Displays the first frame.

▽ : Displays the last frame.

▶ : Plays when pressed and held.

◀ : Plays the movie in reverse when pressed and held.

- To resume the movie, press **OK**.
- To cancel the playback of the movie in the middle of it or during pause, press **MENU**.

3 RESIZE

Changing the size of pictures

640 × 480 / 320 × 240

This changes the image size of a picture and saves it as a new file.

4 ROTATE

Rotating pictures

+90° / 0° / -90°

Pictures taken with the camera held vertically are displayed horizontally. This function lets you turn such pictures so that they are displayed vertically. New picture orientations are saved even when the power is turned off.



5 PROTECT

Protecting pictures

OFF / ON



Protected pictures cannot be erased using [ERASE], [SEL. IMAGE] or [ALL ERASE], but they are all erased by formatting.

- Select the picture with \triangleleft \triangleright , and protect it by selecting [ON] with \triangle ∇ . You can protect several frames in succession.

6 ERASE

Erasing selected pictures/Erasing all pictures

Protected pictures cannot be erased. Cancel protection before erasing protected pictures. Once erased, pictures cannot be restored. Check each picture before erasing to avoid accidentally erasing pictures you want to keep.

- When erasing pictures in the internal memory, do not insert the card into the camera.
- When erasing pictures from the card, insert a card into the camera in advance.

SEL. IMAGEErasing by selecting the single-frame



- Use the arrow pad to select the picture, and press **OK** to put ✓.
- To cancel the selection, press **OK** again.
- When the selection is completed, press **GO**.
- Select [YES], and press **OK**.

ALL ERASE.....Erasing all the pictures in the internal memory or the card

- Select [YES], and press **OK**.

7 PRINT ORDER

Making print reservations (DPOF)

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

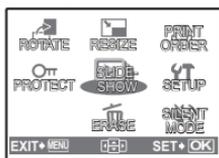
“Print settings (DPOF)” (P. 35)

SETUP menus

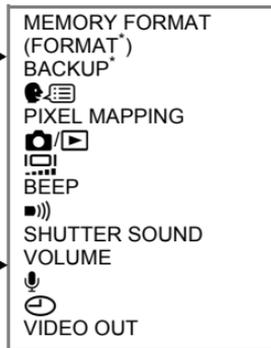
Shooting mode



Playback mode



SETUP



* A card is required.

- Some functions are not available according to the selected mode.

“Functions available in shooting modes and scenes” (P. 58)

MEMORY FORMAT (FORMAT)..... Formatting the internal memory or card

All existing data, including protected pictures, are erased when the internal memory or card is formatted. Make sure that you save or transfer important data to a computer before formatting.

- Make sure there is no card inserted in the camera when formatting the internal memory.
- Be sure that the card is inserted in the camera when formatting the card.
- Before using non-Olympus cards or cards which have been formatted on a computer, you must format them with this camera.

BACKUP Copying pictures in the internal memory to the card

Insert the optional card into the camera. Copying data does not erase the picture in the internal memory.

- It takes some time to back up data. Check if the battery is not empty before starting the copy.

 Selecting a display language

You can select a language for on-screen display. Available languages vary depending on the area where you purchased this camera.

You can add other languages to your camera with the provided OLYMPUS Master software.

PIXEL MAPPING Adjusting the image processing function

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 at least one minute after taking or viewing pictures to allow the pixel mapping function to perform properly. If you turn the camera off during pixel mapping, start again. Select [PIXEL MAPPING]. When [START] is displayed, press .

 /  Turning on the camera with the  or  button

YES	When  is pressed with the camera off, the camera turns on in shooting mode. When  is pressed with the camera off, the camera turns on in playback mode.
-----	--

NO	The camera does not turn on when  or  is pressed.
----	---

 Adjusting the monitor brightness

BRIGHT/ NORMAL

BEEP Adjusting the volume of operation sound when the buttons are pressed

OFF (No sound)/ LOW /HIGH

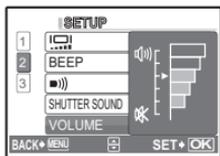
■)) **Adjusting the volume of camera warning sound**

OFF (No sound)/ LOW / HIGH

SHUTTER SOUND **Adjusting the volume of the shutter button**

OFF (No sound)/ LOW / HIGH

VOLUME **Adjusting the volume during movie playback**



- Press Δ ∇ to adjust the volume.
- You can adjust the volume to one of five levels or mute the volume.

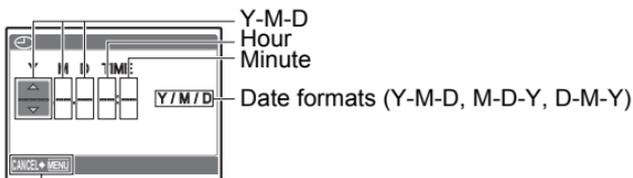
🎤 **Recording movies with or without sound**

OFF/ ON

- When [ON] (sound is recorded) is selected, the optical zoom cannot be used during movie recording. Only the digital zoom can be used.

🕒 **Setting the date and time**

The date and time is saved with each image, and is used in the file name. If the date and time are not set, the [🕒] screen is displayed each time the camera is turned on.



Cancels the setting

- The time is displayed in the 24-hour format.
- To set the time precisely, with the cursor at either "minutes" or "Y/M/D", press \odot as the time signal strikes 00 seconds.

VIDEO OUT..... Playing back pictures on a TV

NTSC /PAL

The factory default settings differ according to the region where the camera is sold.

To play back camera images on a TV, set the video output according to your TV's video signal type.

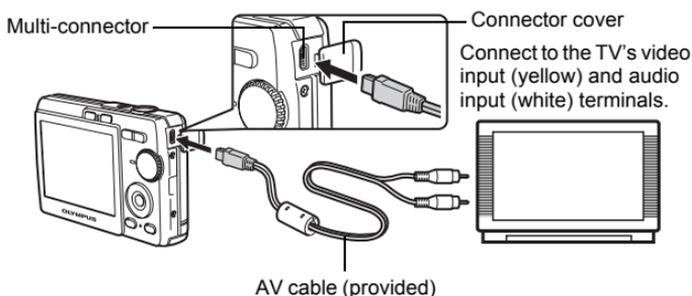
- TV video signal types differ by country/region. Check the video signal type before connecting the camera to the TV.

NTSC: North America, Taiwan, Korea, Japan

PAL: European countries, China

Playing back pictures on a TV

Turn off the camera and the TV before connecting.



Settings on the camera

Turn the camera on and press  to select the playback mode.

- The last picture taken is displayed on the TV. Use the arrow pad to select the picture you want to display.

Settings on the TV

Turn the TV on, and set it to video input mode.

- For details of switching to video input, refer to your TV's instruction manual.

Printing pictures

Direct printing (PictBridge)

Using the direct printing function

By connecting the camera to a PictBridge-compatible printer, you can print out pictures directly. Select the pictures you want to print and the number of prints on the camera's monitor.

To find out if your printer is compatible with PictBridge, refer to the printer's instruction manual.

What is PictBridge?

A standard for connecting digital cameras and printers of different makers and printing out pictures directly.

- Available printing modes, paper sizes etc., vary depending on the printer you use. Refer to the instruction manual for your printer.
- For details of printing paper types, ink cassettes, etc., refer to the printer's instruction manual.

EASY PRINT

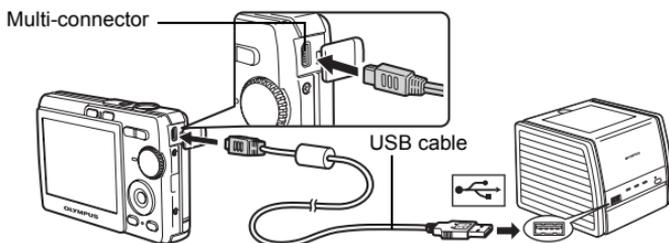
[EASY PRINT] can be used to print out the picture displayed on the monitor. The selected picture is printed using the standard settings of your printer. The date and file name are not printed.

STANDARD

All printers that support PictBridge have standard print settings. If [STANDARD] is selected on the settings screens (P. 33), pictures are printed according to these settings. Refer to the printer's instruction manual for its standard settings or contact the printer manufacturer.

- 1 Display the picture you want to print out on the monitor in the playback mode.**

- 2 Turn the printer on and plug the USB cable provided with the camera into the multi-connector of the camera and the printer's USB port.**



- The [EASY PRINT START] screen is displayed.
- For details of how to turn the printer on and the position of the USB port, refer to the printer's instruction manual.

3 Press Δ .

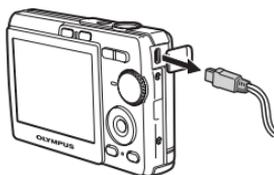
- Printing starts.



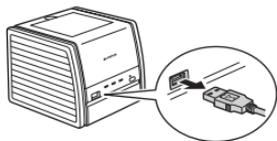
- When printing is finished, the picture selection screen is displayed. To print another picture, press \triangleleft \triangleright to select a picture, and press Δ .
- When you are finished, disconnect the USB cable from the camera with the picture selection screen displayed.



4 Remove the USB cable from the camera.



5 Remove the USB cable from the printer.



You can use [EASY PRINT] even when the camera is turned off or in shooting mode. With the camera turned off or in shooting mode, connect the USB cable. The selection screen for the USB connection is displayed. Select [EASY PRINT].

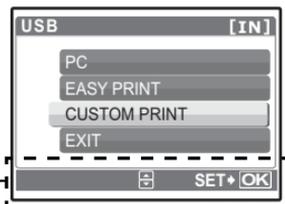
☞ “EASY PRINT” Step 3 (P. 31), “Other print modes and print settings” Step 2 (P. 32)

Other print modes and print settings (CUSTOM PRINT)

- 1 Display the screen being indicated on the right according to Steps 1 and 2 on P. 30-31, and press **OK**.

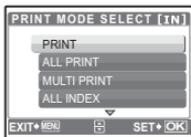


- 2 Select [CUSTOM PRINT], and press **OK**.



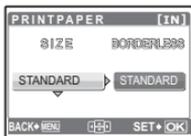
- 3 Make the print settings according to the operation guide.

Selecting a print mode



PRINT	Prints the selected picture.
ALL PRINT	Prints all the pictures stored in the internal memory or the card.
MULTI PRINT	Prints one picture in multiple layout format.
ALL INDEX	Prints an index of all the pictures stored in the internal memory or the card.
PRINT ORDER	Prints the pictures according to the print reservation data on the card. If no print reservations have been made, this option is not available. ☞ “Print settings (DPOF)” (P. 35)

Setting the print paper



SIZE	Choose from the available paper sizes on your printer.
BORDERLESS	Select framed or unframed. In [MULTI PRINT] mode, you cannot select the frame.
OFF (<input checked="" type="checkbox"/>)	The picture is printed inside a blank frame.
ON (<input type="checkbox"/>)	The picture is printed filling the entire page.
PICS/SHEET	Available in [MULTI PRINT] mode only. The number of prints that can be printed varies depending on the printer.

! Note

- If the [PRINT PAPER] screen is not displayed, [SIZE], [BORDERLESS] and [PICS/SHEET] are set to [STANDARD].

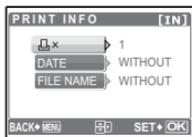
Selecting the picture to print



PRINT	Prints one copy of the displayed picture. When [SINGLE PRINT] or [MORE] has been selected, a single copy or more copies are printed.
SINGLE PRINT	Makes a print reservation for the displayed picture.
MORE	Sets the number of prints and data to be printed for the displayed picture.

Press ◀▶ to select the picture you want to print. You can also use the zoom button and select a picture from the index display.

Setting the number of prints and data to be printed



Sets the number of prints. You can select up to 10 prints.

DATE (🕒)

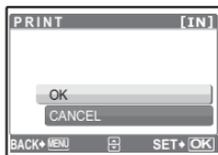
If you select [WITH], pictures are printed with the date.

FILE NAME (📄)

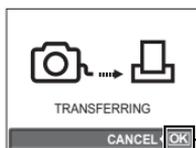
If you select [WITH], pictures are printed with the file name.

4 Select [OK], and press **OK**.

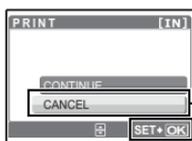
- Printing starts.
- When printing is finished, the [PRINT MODE SELECT] screen is displayed.



To cancel printing



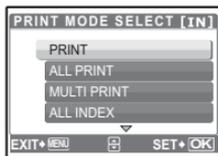
Screen during data transfer



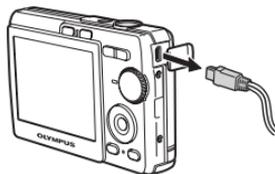
Select [CANCEL], and press **OK**.

5 In the [PRINT MODE SELECT] screen, press **MENU**.

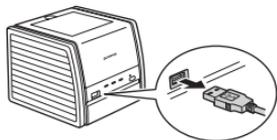
- A message is displayed.



6 Disconnect the USB cable from the camera.



7 Disconnect the USB cable from the printer.



Print settings (DPOF)

How to make print reservations

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

With print reservation, you can print out pictures easily either at home using a personal DPOF-compatible printer or at a photo store that supports DPOF.

DPOF is a standard format used to record automatic print information from digital cameras.

Only the images stored on the card can be reserved to print. Insert a card with recorded pictures into the camera before making print reservations.

Pictures with print reservations can be printed using the following procedures.

Printing using a DPOF-compatible photo store.

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 computer. For more details, refer to the printer's instruction manual. A PC card adapter may also be necessary.

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.
- You can make DPOF print reservations for up to 999 images per card.
- Not all functions may be available on all printers, or at all photo stores.

To use print services without using DPOF

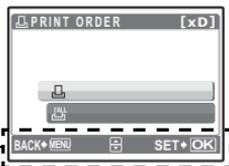
- Pictures stored in the internal memory cannot be printed at a photo store. The pictures need to be copied to a card before taking them.
 "BACKUP Copying pictures in the internal memory to the card" (P. 27)

Single-frame reservation

Follow the operation guide to make a print reservation for a selected picture.

1 Press MENU in the playback mode and display the top menu.

2 Select [PRINT ORDER] ▶ [], and press \odot .



3 Press \triangleleft to select the frames for print reservations, and then press \triangle to set the number of prints.

- You cannot make print reservations for pictures with Ⓢ .
- Repeat Step 3 to make print reservations for other pictures.



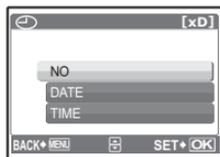
4 When you finish making print reservations, press \odot .

5 Select the date and time setting, and press \odot .

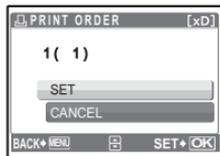
NO The pictures are printed without the date and time.

DATE The selected pictures are printed with the shooting date.

TIME The selected pictures are printed with the shooting time.



6 Select [SET], and press \odot .



All-frame reservation

Reserves all the pictures stored on the card. The number of prints is set at one print per picture.

- 1 Press **MENU** in the playback mode and display the top menu.
- 2 Select **[PRINT ORDER]** ▶ **[**], and press **(OK)**.
- 3 Select the date and time setting, and press **(OK)**.
 - NO** The pictures are printed without the date and time.
 - DATE** All pictures are printed with the shooting date.
 - TIME** All pictures are printed with the shooting time.
- 4 Select **[SET]**, and press **(OK)**.

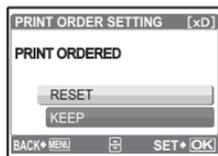
Resetting print reservation data

You can reset all the print reservation data or just for selected pictures.

- 1 Select top menu ▶ **[PRINT ORDER]**, and press **(OK)**.

To reset the print reservation data for all the pictures

- 2 Select **[**] or **[**], and press **(OK)**.
- 3 Select **[RESET]**, and press **(OK)**.



To reset the print reservation data for a selected picture

- 2 Select **[**], and press **(OK)**.
- 3 Select **[KEEP]**, and press **(OK)**.
- 4 Press **◀▶** to select the picture with the print reservations you want to cancel, and press **▽** to decrease the number of prints to 0.
 - Repeat Step 4 to cancel print reservations for other pictures.
- 5 When you are finished canceling print reservations, press **(OK)**.
- 6 Select the date and time setting, and press **(OK)**.
 - The setting is applied to the remaining pictures with print reservations.
- 7 Select **[SET]**, and press **(OK)**.

Using OLYMPUS Master

Flow

Using the USB cable provided with your camera, you can connect the camera and computer and download (transfer) the images to your computer using the OLYMPUS Master software, also provided with the camera.

Prepare the following items before starting.



OLYMPUS Master CD-ROM



USB cable



Computer equipped with a USB port

Install the OLYMPUS Master software P. 39

Connect the camera to the computer using the USB cable P. 42

Start up the OLYMPUS Master software P. 43

Download image files to the computer P. 44

Disconnect the camera from the computer P. 44

Using OLYMPUS Master

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**

● **View images and movies**

- You can run a slideshow and play back sound.

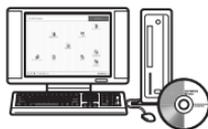
● **Manage images**

- You can organize your images using the calendar display. Search the image you want by date or keyword.

● **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.

● **Make panoramic images**

- You can make panoramic images using pictures taken in panorama mode.

For details of other functions and operations, refer to the "Help" guide and OLYMPUS Master reference manual.

Install the OLYMPUS Master software

Before installing the OLYMPUS Master software, please confirm that your computer is compatible with the following system requirements.

For newer operating systems, please refer to the Olympus web site as shown on the back cover of this manual.

Operating environment

Windows

OS	Windows 98SE/Me/2000 Professional/XP
CPU	Pentium III 500 MHz or later
RAM	128 MB or more (at least 256 MB is recommended)
Hard disk capacity	300 MB or more
Connector	USB port
Monitor	1,024 × 768 pixels, 65,536 colors or more



Note

- **Windows 98 is not supported.**
- Data transfer is only guaranteed on computers with a factory installed OS.
- To install the software in Windows 2000 Professional/XP, you must log on as a user with administrators' privileges.
- Internet Explorer and QuickTime 6 or later should be installed on your computer.
- 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.

Macintosh

OS	Mac OS X 10.2 or later
CPU	Power PC G3 500 MHz or later
RAM	128 MB or more (at least 256 MB is recommended)
Hard disk capacity	300 MB or more
Connector	USB port
Monitor	1,024 × 768 pixels, 32,000 colors or more



Note

- **Mac operating systems prior to Mac OS X 10.2 are not supported.**
- Operation is only guaranteed on a Macintosh equipped with a built-in USB port.
- QuickTime 6 or later and Safari 1.0 or later must be 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/card compartment cover

Windows

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

- The OLYMPUS Master setup screen is displayed.
- If the screen is not displayed, double-click the “My Computer” icon and click the CD-ROM icon.



2 Click “OLYMPUS Master”.

- The QuickTime installation screen is displayed.
- QuickTime is required to use OLYMPUS Master. If the QuickTime screen is not displayed, QuickTime 6 or later is already installed on the computer. In this case, go to Step 4.



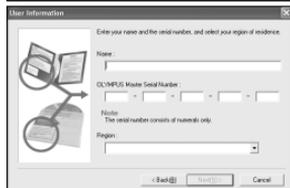
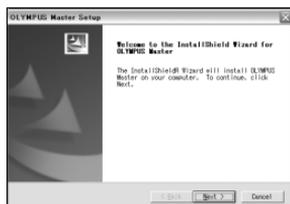
3 Click “Next” and follow the on-screen instructions.

- When the QuickTime licensing agreement is displayed, read the agreement and click “Agree” to proceed with the installation.
- The OLYMPUS Master installation screen is displayed.



4 Follow the on-screen instructions.

- When the OLYMPUS Master licensing agreement is displayed, read the agreement and click “Yes” to proceed with the installation.
- When the “User Information” dialog box is displayed, enter your “Name” and “OLYMPUS Master Serial Number”; select your region and click “Next”. Refer to the sticker on the CD-ROM package for the serial number.
- When the DirectX licensing agreement is displayed, read the agreement and click “Yes”.
- A screen asking whether or not you want to install Adobe Reader is displayed. Adobe Reader is required to read the OLYMPUS Master instruction manual. If this screen is not displayed, Adobe Reader is already installed on your computer. To install Adobe Reader, click “OK”.

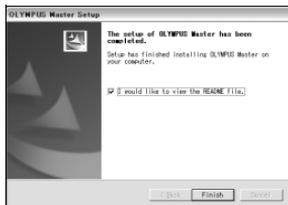


5 Follow the on-screen instructions.

- The screen confirming that installation is completed is displayed. Click “Finish”.

6 Select the option to restart immediately when the screen asking you if you wish to restart the computer is displayed and click “OK”.

- The computer restarts.
- Remove the CD-ROM from the CD-ROM drive and store it.



Macintosh

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

- The CD-ROM window is displayed.
- If the CD-ROM window 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.

- The OLYMPUS Master installer starts up.
- Follow the on-screen instructions.
- When the OLYMPUS Master licensing agreement is displayed, read the agreement and click “Continue” and then “Agree” to proceed with the installation.
- The screen confirming that installation is completed is displayed.



4 Click “Finish”.

- The first screen is displayed.

5 Click “Restart”.

- The computer restarts.
- Remove the CD-ROM from the CD-ROM drive and store it.

Connecting the camera to a computer

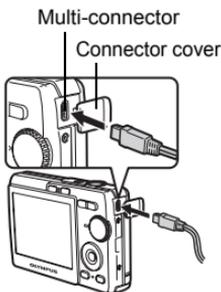
1 Make sure the camera is turned off.

- The monitor is off.
- The lens is retracted.



2 Connect the multi-connector on the camera to the USB port on the computer using the provided USB cable.

- Refer to your computer's instruction manual to locate the position of the USB port.
- The camera turns on automatically.
- The monitor turns on and the selection screen for the USB connection is displayed.



3 Select [PC], and press **OK**.

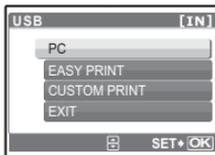
4 The camera is recognized by the computer.

• Windows

When you connect the camera to your computer for the first time, the computer attempts to recognize the camera. Click "OK" to exit the message that is displayed. The camera is recognized as a "Removable Disk".

• Macintosh

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, so close this application and start OLYMPUS Master.



Note

- The camera functions are disabled while the camera is connected to a computer.
- Connecting the camera to a computer via a USB hub may cause unstable operation. In this case, do not use a hub, but connect the camera directly to the computer.

Start up the OLYMPUS Master software

Windows

1 Double-click the “OLYMPUS Master” icon on the desktop.

- The main menu is displayed.
- When OLYMPUS Master is started up for the first time after installation, the “Registration” dialog box is displayed before the main menu. Follow the prompts and fill in the registration form.

Macintosh

1 Double-click the “OLYMPUS Master” icon in the “OLYMPUS Master” folder.

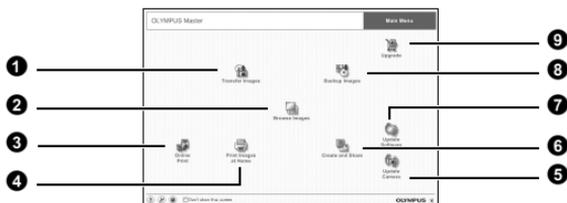
- The main menu is displayed.
- When OLYMPUS Master is started up for the first time, the “User Information” dialog box is displayed before the main menu. Enter your “Name” and “OLYMPUS Master Serial Number”, and select your region.
Refer to the sticker on the CD-ROM package for the serial number.



The image shows a 'User Information' dialog box with the following fields: Name, OLYMPUS Master Serial Number (with a note: 'The serial number consists of materials only'), and Region. There are 'Cancel' and 'OK' buttons at the bottom right.

- After the “User Information” dialog box, the “Registration” dialog box is displayed. Follow the prompts and fill in the registration form.

OLYMPUS Master main menu



- 1 “Transfer Images” button**
Downloads images from the camera or other media.
- 2 “Browse Images” button**
The “Browse” window is displayed.
- 3 “Online Print” button**
The online print window is displayed.
- 4 “Print Images at Home” button**
The print menu is displayed.
- 5 “Update Camera” button**
You can upgrade the camera firmware to the latest version and add display languages.
- 6 “Create and Share” button**
Displays the editing menu.
- 7 “Update Software” button**
You can update the OLYMPUS Master software to the latest version.
- 8 “Backup Images” button**
Creates backup images.
- 9 “Upgrade” button**
Displays window for optional upgrade to OLYMPUS Master Plus.

To exit OLYMPUS Master

1 Click “Exit”  on the main menu.

- OLYMPUS Master is exited.

Displaying camera images on a computer

Downloading and saving images

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 window indicating that the download is complete 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” window.



To disconnect the camera

1 Make sure that the card access lamp has stopped blinking.

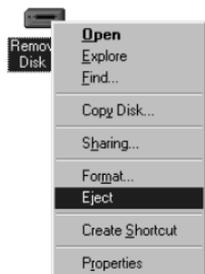
Card access lamp



2 Make the following preparations for disconnecting the USB cable.

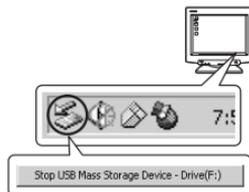
Windows 98SE

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



Windows Me/2000/XP

- ① Click the “Unplug or Eject Hardware” icon  in the system tray.
- ② Click the message that is displayed.
- ③ When a message is displayed saying that the hardware can be ejected safely, click “OK”.

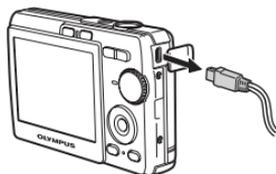


Macintosh

- ① The trash icon changes to the eject icon when the “Untitled” or “NO_NAME” icon on the desktop is dragged. Drag and drop it on the eject icon.



3 Disconnect the USB cable from the camera.



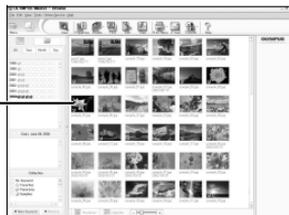
Note

- Windows Me/2000/XP: When you click “Unplug or 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 “Unplug or Eject Hardware” icon again and disconnect the cable.

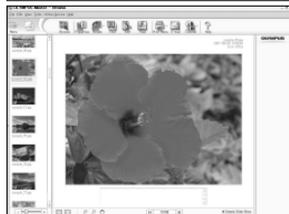
Viewing still pictures and movies

- 1 Click “Browse Images”  on the OLYMPUS Master main menu.
 - The “Browse” window is displayed.
- 2 Double-click the still picture thumbnail that you want to view.

Thumbnail



- OLYMPUS Master switches to view mode and the picture is enlarged.
- To return to the main menu, click “Menu” in the “Browse” window.



To view a movie

- 1 Double-click the movie thumbnail that you want to see in the “Browse” window.
 - OLYMPUS Master switches to view mode and the first frame of the movie is displayed.
- 2 To play back the movie, click the 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.

1 Click “Print Images at Home”  on the OLYMPUS Master main menu.

- The print menu is displayed.

2 Click “Photo” .

- The “Photo Print” window is displayed.

3 Click “Settings” in the “Photo Print” window.

- The printer settings screen is displayed.
Make the necessary printer settings.

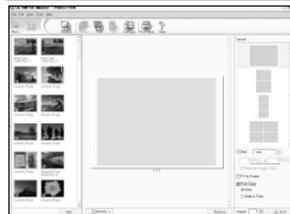
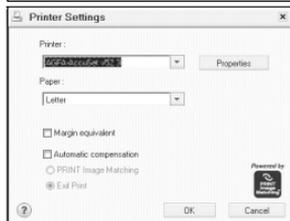
4 Select a layout and size.

- To print the date and time with your image, check the box next to “Print Date”, and select between “Date” and “Date & 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”.

- Printing starts.
- To return to the main menu, click “Menu” in the “Photo Print” window.

To download and save 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 provided with the camera to download and save images without using OLYMPUS Master. The following environment is required to use the USB cable to connect the camera to your computer.

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

Macintosh: Mac OS 9.0 to 9.2/X

Note

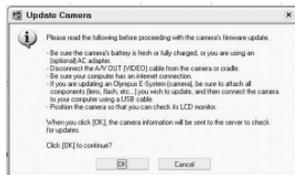
- If your computer is running Windows 98SE, you will need to install the USB driver. Before connecting the camera to your computer with the USB cable, double-click the files from the following folders on the provided OLYMPUS Master CD-ROM.
(Drive name): \USB\INSTALL.EXE
- Data transfer is not guaranteed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

To increase the number of languages

Be sure that your battery is fully charged!

1 Make sure that your PC is connected to the Internet. Click “Update Camera” on the OLYMPUS Master main menu.

- After selecting the “Update Camera” function OLYMPUS Master shows a Window with security advices.



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

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

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

4 Select [PC], and press **OK**.

5 Click “OK”.

- OLYMPUS Master will identify the current version of your camera’s firmware.
- Click “Check for latest version”, and the software will search for new firmware versions as well as additional languages.

6 Select the firmware version and/or language and click the “Update” button. Please do not remove any cable or the battery while the camera is processing.

7 After the download procedure, the camera monitor will display [OK]. You can remove the cables and turn the power off. After restarting the camera, you will be able to select the new language from [SETUP].



Getting to know your camera better

Shooting tips and information

Tips before you start taking pictures

The camera does not turn on even when a battery is loaded

The battery is not charged

- Charge the battery with the charger.

The battery is temporarily unable to function because of the cold

- Battery performance declines in low temperatures, and the charge may not be sufficient to turn on the camera. Remove the battery and warm it by putting it in your pocket for a while.

No picture is taken when the shutter button is pressed

The camera is in sleep mode

- To save battery power, the camera automatically goes into sleep mode and the monitor turns off if there is no operation when the camera is turned on. No picture is taken even if the shutter button is fully pressed in this mode. Operate the zoom button or other buttons to restore the camera from sleep mode before taking a picture. If the camera is left for 15 minutes, it automatically turns off. Press **POWER** to turn the camera on.

The mode dial is in the position of GUIDE

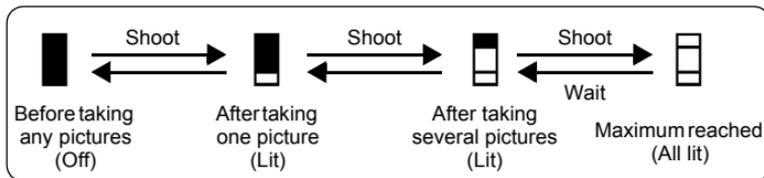
- No pictures can be taken when the shooting guide is being displayed. Take pictures after making the settings by following the shooting guide, or turn the mode dial and set it to a shooting mode other than **GUIDE**.

The flash is charging

- Wait until the ⚡ (flash charge) mark stops blinking before taking the picture.

The memory gauge is full

- No pictures can be taken when the memory gauge is full. Wait until there is space in the memory gauge.



The date and time have not been set

The camera has been used in the same condition from the time of purchase

- No date and time have been set for the camera at the time of purchase. Set the date and time before using the camera.

 “Set the date and time” (P. 6),  “Setting the date and time” (P. 28)

The battery has been removed from the camera

- The date and time settings will be returned to the factory default settings if the camera is left without the battery for approximately 3 days. Before taking important pictures, check that the date and time settings are correct.

Shooting tips

Focusing on the subject

There are several ways to focus, depending on the subject.

When the subject is not in the center of the frame

- Place the subject in the center of the frame, lock the focus on the subject, and then recompose your picture.

The subject is moving quickly

- Focus the camera on a point roughly the same distance away as the subject you want to shoot (by pressing the shutter button halfway), and then recompose your picture and wait for the subject to enter the frame.

Subjects that are difficult to focus on

- Under certain types of conditions, it is difficult to focus using auto focus. The green lamp on the monitor lights, allowing you to check if the focus is locked.

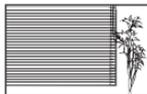
The green lamp blinks.
The subject cannot be brought into focus.



Subject with low contrast



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

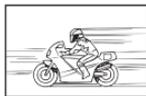


Subject without vertical lines

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



Subjects at different distances



Fast-moving subject



The subject is not in the center of the frame

In these cases, focus (focus lock) on an object with high contrast at the same distance as the intended subject, 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 then return the camera to the horizontal position while keeping the button pressed halfway and take the picture.

Taking pictures without blurring

Hold the camera correctly and press the shutter button gently to shoot the picture. In addition, turn the mode dial to  when taking a picture to reduce blurring.

The factors that can cause the picture to blur are as follows:

- When you use the optical zoom, digital zoom, or zoom at such higher magnifications to shoot the picture
- When the shutter speed is set low to shoot a dark subject
- When the flash cannot be used or a low shutter speed set shooting mode is selected.

Taking pictures without the flash

The flash fires automatically when there is insufficient light or when blurring may occur. If the subject is too far away, the flash may have no effect. Here is how to take pictures without the flash in this type of situation.

Set the camera to mode

- Because the sensitivity of the CCD increases automatically, you can hold the camera and take pictures in darker places with the flash off.

  "Shooting pictures using digital image stabilization" (P. 15)

The picture is too grainy

There are several factors that can cause the picture to appear grainy.

Using the digital zoom to take close-up pictures

- With the digital zoom, part of the image is cropped and enlarged. The greater the magnification, the grainier the picture appears.

Taking pictures with the mode dial set to or SCENE mode set to , , or

- When taking pictures with the above scene modes, noise reduction can be automatically turned on for clearer pictures of dark subjects. If noise reduction does not turn on, the picture may appear grainy.

Taking pictures of a white beach or snow scene

- Often, bright subjects (such as snow) turn out darker than their natural colors. Adjust [EXPOSURE COMP.] toward [+] to make these subjects closer to their real shades. Conversely, when you are shooting dark subjects, it can be effective to adjust toward [-]. Sometimes, using the flash may not produce the brightness (exposure) that was intended.

 "EXPOSURE COMP. Changing picture brightness" (P. 23)

Taking pictures of a subject against backlight

- Set the flash to  to activate fill-in-flash. You can shoot a subject against backlight without the face of the subject appearing dark.  is effective for shooting against backlight and under fluorescent and other artificial lighting.

  button Flash shooting" (P. 17)

Additional shooting tips and information

Increasing the number of pictures that can be taken

There are two ways to record the pictures you take with this camera.

Recording pictures to the internal memory

- Pictures are recorded to the internal memory, and when the number of storable still pictures reaches 0, you connect the camera to a computer to download the pictures, and then erase the pictures from the internal memory.

Using a card (optional)

- Pictures are recorded to the card when inserted in the camera. When the card is full, you download the pictures to a computer, and then either erase the pictures from the card or use a new card.
- Pictures are not recorded to the internal memory when a card is inserted in the camera. Pictures in the internal memory can be copied to the card using the [BACKUP] function.

 "BACKUP Copying pictures in the internal memory to the card" (P. 27)
"The card" (P. 62)

Number of storable still pictures and recording length of movies

Still pictures

Image quality	Image size	Number of storable still pictures	
		Internal memory	Using a 128 MB card
SHQ	2816 × 2112	5	29
HQ	2816 × 2112	15	86
SQ1	2048 × 1536	28	162
SQ2	640 × 480	127	725

Movies

Image quality	Image size	Remaining recording time			
		Internal memory		Using a 128 MB card	
		With sound	Without sound	With sound	Without sound
HQ	320 × 240 (30 frames/sec.)	33 sec.	34 sec.	3 min. 10 sec.	3 min. 13 sec.
SQ	160 × 120 (15 frames/sec.)	4 min. 24 sec.	4 min. 59 sec.	25 min. 01 sec.	28 min. 21 sec.

Using a new card

- If you use a non-Olympus card or a card used for another application, such as for a computer, the message [CARD ERROR] is displayed. To use this card with this camera, use the [FORMAT] function to format the card.

 "MEMORY FORMAT (FORMAT) Formatting the internal memory or card" (P. 27)

Lamp indicators

This camera uses several lamps to indicate the camera status.

Lamp	Status
Self-timer lamp	The lamp lights for approximately 10 seconds, blinks for approximately 2 seconds, and then the picture is taken.
Card access lamp	Lit (red): Shooting mode Lit (green): Playback mode Unlit: Power is off. Blinking: A picture is being recorded, the camera is reading a movie, or images are being downloaded (when connected to a computer). <ul style="list-style-type: none">• Do not do any of the following while the card access lamp is blinking. Doing so may prevent the image data from being saved and render the internal memory or card unusable.<ul style="list-style-type: none">• Open the battery/card compartment cover• Remove the battery
Green lamp of the monitor	Lit: The focus and exposure are locked. Blinking: The focus and exposure are not locked. <ul style="list-style-type: none">• Release your finger from the shutter button, re-position the AF target mark on the subject and press the shutter button halfway again.

Extending the useful life of the battery

- Performing any of the following operations when not actually taking pictures can deplete the battery power.
 - Repeatedly pressing the shutter button halfway
 - Repeatedly using the zoom
- To save battery power, turn off the camera whenever it is not in use.

Functions that cannot be selected from menus

- Some items may not be selectable from the menus when using the arrow pad.
 - Items that cannot be set with the current shooting mode
 - Items that cannot be set because of an item that has already been set: [S/M] and [L], etc.
 - Items that cannot be set because you are attempting to edit pictures taken with another camera.
- Some functions cannot be used when there is no card in the camera. [PANORAMA]/[PRINT ORDER]/[FORMAT]/[BACKUP]

Selecting the optimal image quality

A record mode expresses a combination of desired image size and compression level. Use the following examples to help determine the optimal image quality when shooting.

To print large images on full-size paper/To edit and process images on a computer

- [SHQ] or [HQ]

To print letter-size images

- [SQ1]

To print postcard-size images/To send as an e-mail attachment or post on a web site

- [SQ2]
- ☞ "IMAGE QUALITY Changing the image quality" (P. 21)

To return the settings of functions to default settings

- To return the changed shooting settings to default settings while shooting, set [RESET] to [YES].
- ☞ "RESET Changing the shooting functions back to default settings" (P. 22)
- All shooting settings except for [IMAGE QUALITY] and the selected scene mode return to default settings when the camera is turned off. [IMAGE QUALITY] and the scene mode do not return to default settings even when the camera is turned off.

Playback tips

Playing back pictures in the internal memory

- When a card has been inserted in the camera, the pictures in the internal memory cannot be played back. Pull out the card before operating the camera.

Quickly displaying a desired picture

- Press W on the zoom button to view pictures as thumbnails (index display).
- ☞ "Zoom button Zooming while shooting/Close-up playback" (P. 18)

Viewing pictures on a computer

Viewing the entire picture on a computer screen

The size of the picture displayed on a computer screen changes depending on the computer settings. When the monitor setting is 1,024 × 768 and you are using Internet Explorer to view a picture with an image size of 2,048 × 1,536 at 100%, the entire picture cannot be viewed without scrolling. There are several ways you can view the entire picture on the computer screen.

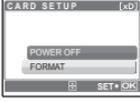
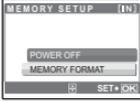
View the picture using image browsing software

- Install the OLYMPUS Master software from the provided CD-ROM.

Change the monitor setting

- The icons on the computer desktop may be rearranged. For details of changing the settings on your computer, refer to the computer's instruction manual.

When you get an error message on the camera...

Monitor indication	Possible cause	Corrective action
 CARD ERROR	There is a problem with the card.	This card cannot be used. Insert a new card.
 WRITE-PROTECT	Writing to the card is prohibited.	The recorded image has been protected (read-only) on a computer. Download the image to a computer and cancel the read-only setting.
 MEMORY FULL	The internal memory has no available memory and cannot store any new data.	Insert a card or erase unwanted data. Before erasing, backup the data of important pictures using the card, or download such pictures to a computer.
 CARD FULL	The card has no available memory and cannot store any new data.	Replace the card or erase unwanted data. Before erasing, download important pictures to a computer.
 NO PICTURE	There are no pictures in the internal memory or on the card.	The internal memory or the card contains no pictures. Record pictures.
 PICTURE ERROR	There is a problem with the selected picture and it cannot be played back on this camera.	Use image processing software to view the picture on a computer. If that cannot be done, the image file is damaged.
 THE IMAGE CANNOT BE EDITED	If pictures taken by other cameras are selected, they cannot be edited.	Use image processing software to edit the pictures.
 CARD-COVER OPEN	The battery/card compartment cover is open.	Close the battery/card compartment cover.
 BATTERY EMPTY	The battery is empty.	Charge the battery.
	This card cannot be used in this camera. Or, the card is not formatted.	Format the card or replace. <ul style="list-style-type: none"> • Select [POWER OFF] and press . Insert a new card. • Select [FORMAT] ► [YES] and press . All data on the card is erased.
	There is an error in the internal memory.	Select [MEMORY FORMAT] ► [YES] and press  . All data in the internal memory is erased.

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 tray has been removed or the printer has been operated while changing settings on the camera.	Do not operate the printer while changing 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.
 CANNOT PRINT	Pictures recorded on other cameras may not be printed on this camera.	Use a computer to print.

Functions available in shooting modes and scenes

Some functions cannot be set in certain shooting modes. For more details, refer to the table below.

Functions available in shooting modes

Function \ Shooting mode							SCENE				
	AUTO										
		✓			–		✓		–		✓
		✓			–		✓		–		
						✓					
	✓	–			✓			–	✓		–
Zoom				✓				–			✓
EXPOSURE COMP.						✓					
IMAGE QUALITY					✓						✓*
PANORAMA	✓	–				✓					–
MEMORY FORMAT (FORMAT)						✓					
BACKUP						✓					
						✓					
PIXEL MAPPING						✓					
						✓					
						✓					
BEEP						✓					
						✓					
SHUTTER SOUND	✓	–					✓				
VOLUME	–	✓					–				
	–	✓					–				
						✓					
VIDEO OUT						✓					

* [IMAGE QUALITY] is fixed to [640 × 480].

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.

EV (Exposure Value)

A system for measuring exposure. EV0 is when the aperture is at F1 and the shutter speed is 1 second. The EV then increases by 1 each time the aperture increases by one F stop or the shutter speed increases by one increment. EV can also be used to indicate brightness and ISO.

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).

Image size

The size of an image expressed by the number of pixels that make up the image. For instance, a picture taken with an image size of 640 × 480 fills the computer screen when the monitor setting is 640 × 480. However, if the monitor setting is 1,024 × 768, the picture only takes up part of the screen.

JPEG (Joint Photographic Experts Group)

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

Noise reduction

When shooting in dark places, shutter speeds become slower as there is less light focused on the CCD. During long exposures, signals are generated by parts of the CCD where no light is focused and are recorded on the picture as noise. When noise reduction works, the camera automatically reduces the noise to produce clearer images.

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

A 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.

Sleep mode

A mode designed to save battery life. The camera automatically enters the sleep mode if you do not operate it for a certain time. To exit the sleep mode, use any button on the camera (shutter button, arrow pad, etc.).

TFT (Thin-Film Transistor) Color Monitor

A transistor color monitor constructed using thin-film technology.

Camera care

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 wrung well.

Monitor:

- Wipe gently with a soft cloth.

Lens:

- Blow dust off the lens with a commercial blower, then wipe gently with a lens cleaner.

Battery/Charger:

- Wipe gently with a soft, dry cloth.

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 battery and card, and keep in a cool, dry place that is well ventilated.
- Periodically insert the battery and test the camera functions.

Note

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

Battery and charger

- This camera uses one Olympus lithium ion battery (LI-42B/LI-40B). No other type of batteries can be used.
- Power consumption by the camera varies depending on which functions are used.
- During the conditions described below, power is consumed continuously and the battery becomes exhausted quickly.
 - The zoom is used repeatedly.
 - The shutter button is pressed halfway repeatedly in shooting mode, activating the auto focus.
 - A picture is displayed on the monitor for an extended period of time.
 - The camera is connected to a computer or printer.
- Using an exhausted battery may cause the camera to turn off without displaying the battery level warning.
- The rechargeable battery is not fully charged at the time of purchase. Charge the battery fully with the LI-40C charger before use.
- The provided rechargeable battery usually takes approximately 300 minutes to charge.
- This camera uses a charger specified by Olympus. Do not use any other type of charger.
- The charger can be used within the range of AC 100 V to AC 240 V (50/60 Hz). When using the charger abroad, you may need a plug adapter to convert the plug to the shape of the AC wall outlet. For details, ask at your local electrical shop or travel agent.
- Do not use travel voltage converters as they could damage your charger.

Useful use of the accessories

The card

Pictures can be recorded on the optional card.

The internal memory and card are the camera's media for recording pictures, similar to film in a film camera.

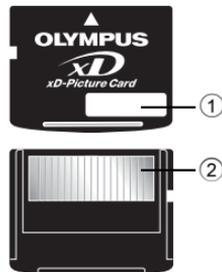
Pictures recorded to the internal memory or card can be easily erased on the camera or processed using a computer.

Unlike portable storage media, the internal memory cannot be removed or exchanged.

The number of recordable pictures can be increased by using a card with a larger capacity.

- ① Index area
You can use this space to write the contents of the card.

- ② Contact area
The part where the data transferred from the camera enters the card.



Compatible cards

xD-Picture Card (16MB – 1GB)

Using the internal memory or card

You can confirm on the monitor whether the internal memory or card is being used during shooting and playback operations.

Shooting mode



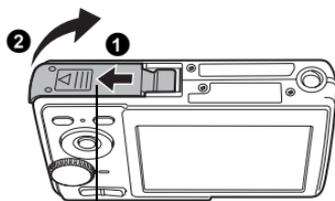
Playback mode



Memory indicator

Inserting and removing the card

- 1 Turn off the camera.
- 2 Open the battery/card compartment cover.

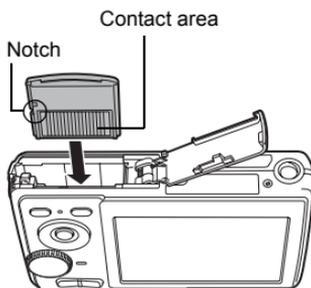


Battery/card compartment cover

Inserting the card

- 3 Orient the card as shown, and insert it into the card slot as shown in the illustration.

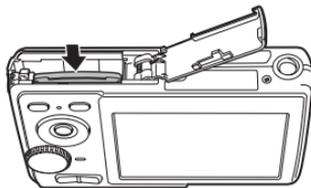
- Insert the card straight in.
- Insert the card until it clicks into place.



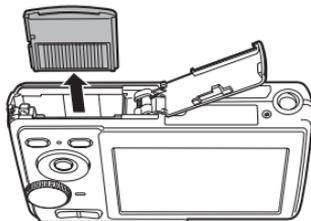
Removing the card

- 4 Push the card all the way in and release slowly.

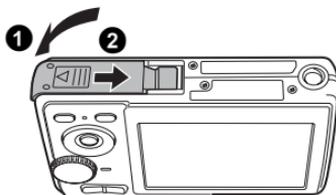
- The card protrudes slightly and stops.



- Grasp the card and remove.



5 Close the battery/card compartment cover.



Note

- The card access lamp blinks while the camera is reading the images. Reading of images may take some time. Do not open the battery/card compartment cover while the card access lamp is blinking. Doing so may damage the data in the internal memory or the card and render the internal memory or card unusable.



Safety Precautions



CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED OLYMPUS SERVICE PERSONNEL.



An exclamation mark enclosed in a triangle alerts you to important operating and maintenance instructions in the documentation provided with the product.



DANGER

If the product is used without observing the information given under this symbol, serious injury or death may result.



WARNINGS

If the product is used without observing the information given under this symbol, injury or death may result.



CAUTION

If the product is used without observing the information given under this symbol, minor personal injury, damage to the equipment, or loss of valuable data may result.

WARNING!

TO AVOID THE RISK OF FIRE OR ELECTRICAL SHOCK, NEVER DISASSEMBLE, EXPOSE THIS PRODUCT TO WATER OR OPERATE IN A HIGH HUMIDITY ENVIRONMENT.

General Precautions

Read All Instructions — Before you use the product, read all operating instructions.

Save all manuals and documentation for future reference.

Cleaning — Always unplug this product from the wall outlet before cleaning. Use only a damp cloth for cleaning. Never use any type of liquid or aerosol cleaner, or any type of organic solvent to clean this product.

Attachments — For your safety, and to avoid damaging the product, use only accessories recommended by Olympus.

Water and Moisture — For precautions on products with weatherproof designs, read the weatherproofing sections.

Location — To avoid damage to the product, mount the product securely on a stable tripod, stand, or bracket.

Power Source — Connect this product only to the power source described on the product label.

Foreign Objects — To avoid personal injury, never insert a metal object into the product.

Heat — Never use or store this product near any heat source such as a radiator, heat register, stove, or any type of equipment or appliance that generates heat, including stereo amplifiers.



WARNING

- **Do not use the camera near flammable or explosive gases.**
- **Do not use the flash on people (infants, small children, etc.) at close range.**
 - You must be at least 1 m (3 ft.) away from the faces of your subjects. Firing the flash too close to the subject's eyes could cause a momentary loss of vision.
- **Keep young children and infants away from the camera.**
 - Always use and store the camera out of the reach of young children and infants to prevent the following dangerous situations which could cause serious injury:
 - Becoming entangled in the camera strap, causing strangulation.
 - Accidentally swallowing the battery, cards or other small parts.
 - Accidentally firing the flash into their own eyes or those of another child.
 - Accidentally being injured by the moving parts of the camera.
- **Do not look at the sun or strong lights with the camera.**
- **Do not use or store the camera in dusty or humid places.**
- **Do not cover the flash with a hand while firing.**



CAUTION

- **Stop using the camera immediately if you notice any unusual odors, noise, or smoke around it.**
 - Never remove the batteries with bare hands, which may cause a fire or burn your hands.
- **Never hold or operate the camera with wet hands.**
- **Do not leave the camera in places where it may be subject to extremely high temperatures.**
 - Doing so may cause parts to deteriorate and, in some circumstances, cause the camera to catch fire. Do not use the charger if it is covered (such as a blanket). This could cause overheating, resulting in fire.
- **Handle the camera with care to avoid getting a low-temperature burn.**
 - When the camera contains metal parts, overheating can result in a low-temperature burn. Pay attention to the following:
 - When used for a long period, the camera will get hot. If you hold on to the camera in this state, a low-temperature burn may be caused.
 - In places subject to extremely cold temperatures, the temperature of the camera's body may be lower than the environmental temperature. If possible, wear gloves when handling the camera in cold temperatures.
- **Be careful with the strap.**
 - Be careful with the strap when you carry the camera. It could easily catch on stray objects - and cause serious damage.

Battery Handling Precautions

Follow these important guidelines to prevent batteries from leaking, overheating, burning, exploding, or causing electrical shocks or burns.



DANGER

- The camera uses a lithium ion battery specified by Olympus. Charge the battery with the specified charger. Do not use any other chargers.
- Never heat or incinerate batteries.
- Take precautions when carrying or storing batteries to prevent them from coming into contact with any metal objects such as jewelry, pins, fasteners, etc.
- Never store batteries where they will be exposed to direct sunlight, or subjected to high temperatures in a hot vehicle, near a heat source, etc.
- To prevent causing battery leaks or damaging their terminals, carefully follow all instructions regarding the use of batteries. Never attempt to disassemble a battery or modify it in any way, by soldering, etc.
- If battery fluid gets into your eyes, flush your eyes immediately with clear, cold running water and seek medical attention immediately.
- Always store batteries out of the reach of small children. If a child accidentally swallows a battery, seek medical attention immediately.



WARNING

- Keep batteries dry at all times.
- To prevent batteries from leaking, overheating, or causing a fire or explosion, use only batteries recommended for use with this product.
- Insert the battery carefully as described in the operating instructions.
- If rechargeable batteries have not been recharged within the specified time, stop charging them and do not use them.
- Do not use a battery if it is cracked or broken.
- If a battery leaks, becomes discolored or deformed, or becomes abnormal in any other way during operation, stop using the camera.
- If a battery leaks fluid onto your clothing or skin, remove the clothing and flush the affected area with clean, running cold water immediately. If the fluid burns your skin, seek medical attention immediately.
- Never subject batteries to strong shocks or continuous vibration.



CAUTION

- Before loading, always inspect the battery carefully for leaks, discoloration, warping, or any other abnormality.
- The battery may become hot during prolonged use. To avoid minor burns, do not remove it immediately after using the camera.
- Always unload the battery from the camera before storing the camera for a long period.

Caution for Usage Environment

- To protect the high-precision technology contained in this product, never leave the camera in the places listed below, no matter if in use or storage:
 - Places where temperatures and/or humidity are high or go through extreme changes. Direct sunlight, beaches, locked cars, or near other heat sources (stove, radiator, etc.) or humidifiers.
 - In sandy or dusty environments.
 - Near flammable items or explosives.
 - In wet places, such as bathrooms or in the rain. When using products with weatherproof designs, read their manuals as well.
 - In places prone to strong vibrations.
- Never drop the camera or subject it to severe shocks or vibrations.
- When mounted on a tripod, adjust the position of the camera with the tripod head. Do not twist the camera.
- Do not touch electric contacts on cameras.
- Do not leave the camera pointed directly at the sun. This may cause lens or shutter curtain damage, color failure, ghosting on the CCD, or may possibly cause fires.
- Do not push or pull severely on the lens.
- Before storing the camera for a long period, remove the battery. Select a cool, dry location for storage to prevent condensation or mold from forming inside the camera. After storage, test the camera by turning it on and pressing the shutter release button to make sure that it is operating normally.
- Always observe the operating environment restrictions described in the camera's manual.

Battery Handling Precautions

- This camera uses a lithium ion battery specified by Olympus. Do not use any other type of battery. For safe and proper use, read the battery's instruction manual carefully before using it.
- If the battery's terminals get wet or greasy, camera contact failure may result. Wipe the battery well with a dry cloth before use.
- Always charge a battery when using it for the first time, or if it has not been used for a long period.
- When operating the camera with battery power at low temperatures, try to keep the camera and spare battery as warm as possible. A battery that has run down at low temperatures may be restored after it is warmed at room temperature.
- The number of pictures you can take may vary depending on the shooting conditions or battery.
- Before going on a long trip, and especially before traveling abroad, purchase extra batteries. A recommended battery may be difficult to obtain while traveling.
- Please recycle batteries to help save our planet's resources. When you throw away dead batteries, be sure to cover their terminals and always observe local laws and regulations.

LCD Monitor

- Do not push the monitor forcibly; otherwise the image may become vague, resulting in a playback mode failure or damage to the monitor.
- A strip of light may appear on the top/bottom of the monitor, but this is not a malfunction.
- When a subject is viewed diagonally in the camera, the edges may appear zigzagged on the monitor. This is not a malfunction; it will be less noticeable in playback mode.
- In places subject to low temperatures, the LCD monitor may take a long time to turn on or its color may change temporarily. When using the camera in extremely cold places, it is a good idea to occasionally place it in a warm place. An LCD monitor exhibiting poor performance due to low temperatures will recover in normal temperatures.
- The LCD used for the monitor is made with high-precision technology. However, black spots or bright spots of light may appear constantly on the LCD Monitor. Due to its characteristics or the angle at which you are viewing the monitor, the spot may not be uniform in color and brightness. This is not a malfunction.

Legal and Other Notices

- Olympus makes no representations or warranties regarding any damages, or benefit expected by using this unit lawfully, or any request from a third person, which are caused by the inappropriate use of this product.
- Olympus makes no representations or warranties regarding any damages or any benefit expected by using this unit lawfully which are caused by erasing picture data.

Disclaimer of Warranty

- Olympus makes no representations or warranties, either expressed or implied, by or concerning any content of these written materials or software, and in no event shall be liable for any implied warranty of merchantability or fitness for any particular purpose or for any consequential, incidental or indirect damages (including but not limited to damages for loss of business profits, business interruption and loss of business information) arising from the use or inability to use these written materials or software or equipment. Some countries do not allow the exclusion or limitation of liability for consequential or incidental damages, so the above limitations may not apply to you.
- Olympus reserves all rights to this manual.

Warning

Unauthorized photographing or use of copyrighted material may violate applicable copyright laws. Olympus assumes no responsibility for unauthorized photographing, use or other acts that infringe upon the rights of copyright owners.

Copyright Notice

All rights reserved. No part of these written materials or this software may be reproduced or used in any form or by any means, electronic or mechanical, including photocopying and recording or the use of any type of information storage and retrieval system, without the prior written permission of Olympus. No liability is assumed with respect to the use of the information contained in these written materials or software, or for damages resulting from the use of the information contained therein. Olympus reserves the right to alter the features and contents of this publication or software without obligation or advance notice.

FCC Notice

• Radio and Television Interference

Changes or modifications not expressly approved by the manufacturer may void the user's authority to operate this equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Adjust or relocate the receiving antenna.
- Increase the distance between the camera and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult your dealer or an experienced radio/TV technician for help. Only the OLYMPUS-supplied USB cable should be used to connect the camera to USB enabled personal computers (PC).

Any unauthorized changes or modifications to this equipment would void the user's authority to operate.

For customers in North and South America

For customers in USA

Declaration of Conformity

Model Number : FE-190/X-750

Trade Name : OLYMPUS

Responsible Party : OLYMPUS IMAGING AMERICA INC.

Address : 3500 Corporate Parkway, P.O. Box 610, Center Valley,
PA 18034-0610, U.S.A.

Telephone Number: 484-896-5000

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.



This symbol [crossed-out wheeled bin WEEE Annex IV] indicates separate collection of waste electrical and electronic equipment in the EU countries. Please do not throw the equipment into the domestic refuse.

Please use the return and collection systems available in your country for the disposal of this product.

Use Only Dedicated Rechargeable Battery and Battery Charger

We strongly recommend that you use only the genuine Olympus dedicated rechargeable battery and battery charger with this camera.

Using a non-genuine rechargeable battery and/or battery charger may result in fire or personal injury due to leakage, heating, ignition or damage to the battery. Olympus does not assume any liability for accidents or damage that may result from the use of a battery and/or battery charger that are not genuine Olympus accessories.

Provisions of warranty

1. If this product proves to be defective, although it has been used properly (in accordance with the written Handling Care and Operating instructions supplied with it), during a period of two years from the date of purchase from an authorized Olympus distributor within the business area of Olympus Imaging Europa GmbH as stipulated on the website: <http://www.olympus.com> this product will be repaired, or at Olympus's option replaced, free of charge. To claim under this warranty the customer must take the product and this Warranty Certificate before the end of the two year warranty period to the dealer where the product was purchased or any other Olympus service station within the business area of Olympus Imaging Europa GmbH as stipulated on the website: <http://www.olympus.com>. During the one year period of the World Wide Warranty the customer may turn the product in at any Olympus service station. Please notice that not in all countries such Olympus service station exists.
2. The customer shall transport the product to the dealer or Olympus authorized service station at his own risk and shall be responsible for any costs incurred in transporting the product.
3. This warranty does not cover the following and the customer will be required to pay repair charge, even for defects occurring within the warranty period referred to above.
 - (a) Any defect that occurs due to mishandling (such as an operation performed that is not mentioned in the Handling Care or other sections of the instructions, etc.)
 - (b) Any defect that occurs due to repair, modification, cleaning, etc. performed by anyone other than Olympus or an Olympus authorized service station.
 - (c) Any defect or damage that occurs due to transport, a fall, shock, etc. after purchase of the product.
 - (d) Any defect or damage that occurs due to fire, earthquake, flood damage, thunderbolt, other natural disasters, environmental pollution and irregular voltage sources.

- (e) Any defect that occurs due to careless or improper storage (such as keeping the product under conditions of high temperature and humidity, near insect repellents such as naphthalene or harmful drugs, etc.), improper maintenance, etc.
 - (f) Any defect that occurs due to exhausted batteries, etc.
 - (g) Any defect that occurs due to sand, mud, etc. entering the inside of the product casing.
 - (h) When this Warranty Certificate is not returned with the product.
 - (i) When any alterations whatsoever are made to the Warranty Certificate regarding the year, month and date of purchase, the customer's name, the dealer's name, and the serial number.
 - (j) When proof of purchase is not presented with this Warranty Certificate.
4. This Warranty applies to the product only; the Warranty does not apply to any other accessory equipment, such as the case, strap, lens cap and batteries.
5. Olympus's sole liability under this warranty shall be limited to repairing or replacing the product. Any liability for indirect or consequential loss or damage of any kind incurred or suffered by the customer due to a defect of the product, and in particular any loss or damage caused to any lenses, films, other equipment or accessories used with the product or for any loss resulting from a delay in repair or loss of data, is excluded. Compelling regulations by law remain unaffected by this.

Notes regarding warranty maintenance

1. This warranty will only be valid if the Warranty Certificate is duly completed by Olympus or an authorized dealer or other documents contain sufficient proof. Therefore, please make sure that your name, the name of the dealer, the serial number and the year, month and date of purchase are all completed or the original invoice or the sales receipt (indicating the dealer's name, the date of purchase and product type) is attached to this Warranty Certificate. Olympus reserves the right to refuse free-of-charge service if neither Warranty Certificate is completed nor the above document is attached or if the information contained in it is incomplete or illegible.
2. Since this Warranty Certificate will not be re-issued, keep it in a safe place.
- * Please refer to the list on the website: <http://www.olympus.com> for the authorized international Olympus service network.

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.
- xD-Picture Card™ is a trademark.
- 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).

SPECIFICATIONS

● Camera

Product type	: Digital camera (for shooting and displaying)
Recording system	
Still pictures	: 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 III, PictBridge
Movie	: QuickTime Motion JPEG
Memory	: Internal memory xD-Picture Card (16 MB – 1 GB)
Number of effective pixels	: 6,000,000 pixels
Image pickup device	: 1/2.5" CCD (primary color filter), 6,300,000 pixels (gross)
Lens	: Olympus lens 6.3 to 18.9 mm, f3.1 to 5.9 (equivalent to 38 to 114 mm on a 35 mm camera)
Photometric system	: Digital ESP metering
Shutter speed	: 4 to 1/2000 sec.
Shooting range	: 0.1 m (0.3 ft.) to ∞ (W), 0.6 m (2.0 ft.) to ∞ (T) (normal/macro mode) 0.05 m (2.0 in.) to ∞ (super macro mode)
Monitor	: 2.5" TFT color LCD display, 110,000 pixels
Outer connector	: USB connector, A/V OUT jack (multi-connector)
Automatic calendar system	: 2000 up to 2099
Operating environment	
Temperature	: 0°C to 40°C (32°F to 104°F) (operation)/ -20°C to 60°C (-4°F to 140°F) (storage)
Humidity	: 30% to 90% (operation)/10% to 90% (storage)
Power supply	: One Olympus lithium ion battery (LI-42B/LI-40B)
Dimensions	: 90.5 mm (W) × 58.5 mm (H) × 18.5 mm (D) (3.6 × 2.3 × 0.7 in.) (excluding protrusions)
Weight	: 110 g (3.9 oz) without battery and card

● **Lithium ion battery (LI-42B)**

Product type	: Lithium ion rechargeable battery
Standard voltage	: DC 3.7 V
Standard capacity	: 740 mAh
Battery life	: Approx. 300 full charges (varies on usage)
Operating environment	
Temperature	: 0°C to 40°C (32°F to 104°F) (charging)/ 0°C to 60°C (32°F to 140°F) (operation)/ -20°C to 35°C (-4°F to 95°F) (storage)
Dimensions	: 31.5 × 39.5 × 6 mm (1.2 × 1.5 × 0.2 in.)
Weight	: Approx. 15 g (0.5 oz)

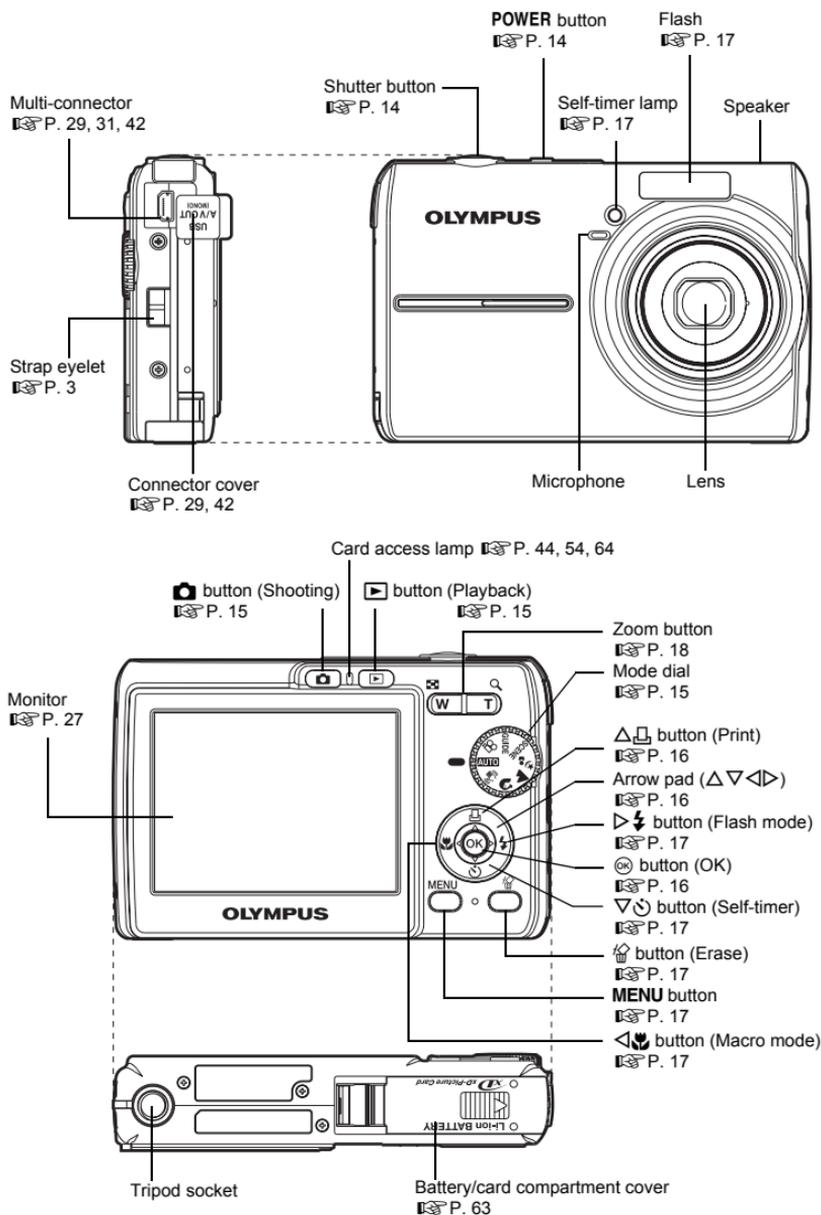
● **Battery charger (LI-40C)**

Power requirements	: AC 100 to 240 V (50 to 60 Hz) 3.2 VA (100 V) to 5.0 VA (240 V)
Output	: DC 4.2 V, 200 mA
Charging time	: Approx. 300 min.
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)
Dimensions	: 62 × 23 × 90 mm (2.4 × 0.9 × 3.5 in.)
Weight	: Approx. 65 g (2.3 oz)

Design and specifications subject to change without notice.

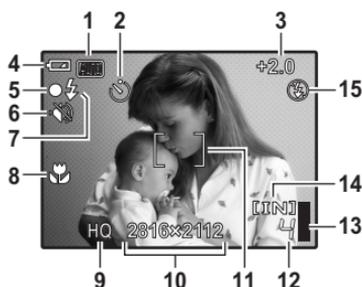
Names of Parts

Camera

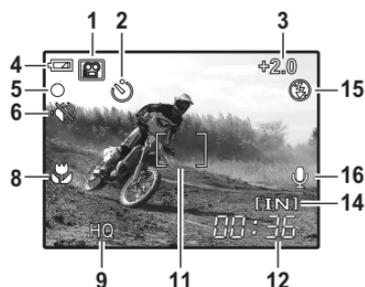


Monitor Symbols & Icons

● Shooting Mode



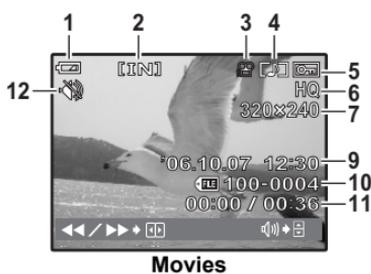
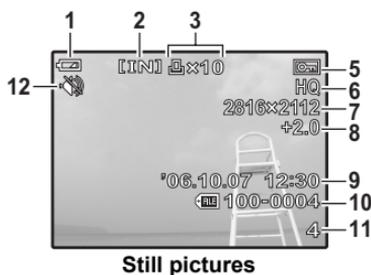
Still pictures



Movies

	Item	Indications	Ref. Page
1	Shooting mode	AUTO , , , , , , etc.	P. 15
2	Self-timer		P. 17
3	Exposure compensation	-2.0 – +2.0	P. 23
4	Battery check	= full power, = low power	–
5	Green lamp	○ = Auto Focus Lock	P. 8, 14
6	Silent mode		P. 23
7	Flash standby Flash charge	(Lit) (Blinks)	P. 50
8	Macro mode Super macro mode	 	P. 17
9	Image quality	SHQ, HQ, SQ1, SQ2, SQ	P. 21
10	Image size	2816 × 2112, 2048 × 1536, 640 × 480	P. 21
11	AF target mark	[]	P. 8
12	Number of storable still pictures Remaining recording time	4 00:36	P. 8 P. 16
13	Memory gauge	(maximum reached)	P. 50
14	Current memory	[IN] (Recording pictures to the internal memory), [xD] (Recording pictures to the card)	P. 62
15	Flash mode	, ,	P. 17
16	Sound record		P. 28

● Playback Mode



	Item	Indications	Ref. Page
1	Battery check	= full power, = low power	–
2	Current memory	[IN] (Playing back the picture in the internal memory), [xD] (Playing back the picture in the card)	P. 62
3	Print reservation/ Number of prints Movie	x10 	P. 35 P. 24
4	Sound record		P. 28
5	Protect		P. 25
6	Image quality	SHQ, HQ, SQ1, SQ2, SQ	P. 21
7	Image size	2816 × 2112, 2048 × 1536, 640 × 480 etc.	P. 21
8	Exposure compensation	-2.0 – +2.0	P. 23
9	Date and time	'06.10.07 12:30	P. 28
10	File number	100-0004	–
11	Number of frames Elapsed time/Total recording time	4 00:00/00:36	– P. 24
12	Silent mode		P. 23

Index

	27
AUTO (AUTO)	5, 15
button (erase)	9, 17
button (flash mode)	17
button (macro)	17
button (OK)	16, 19
button (Playback mode)	9, 15
button (print)	16, 31
button (self-timer)	17
button (Shooting mode)	15
(D IMAGE STABILIZATION)	5, 15
(LANDSCAPE)	5, 15
(MOVIE)	14, 16
(NIGHT+PORTRAIT)	5, 15
(PORTRAIT)	5, 15
A	
ALL ERASE	26
ALL INDEX	33
ALL PRINT	33
All-frame reservation	37
Arrow pad ()	16, 19
AUCTION	15
Auto flash AUTO	17
Auto focus	51
AV cable	3, 29
B	
BACKUP	27
Battery	4, 61
Battery/card compartment cover	63
Battery charger	3, 4, 61
Battery check	76
BEEP	27
Beep sound	28
BEHIND GLASS	15
C	
CANDLE	15
Card	53, 62
Card access lamp	44, 54, 64
CCD	52, 59
Close-up playback	18
Compression	21
Connector cover	29, 42
CUISINE	15
CUSTOM PRINT	32

D	
Date and time	6, 28, 51
DCF	59
Digital zoom	16, 18
Direct printing	30
DOCUMENTS	15
DPOF	35, 59
E	
EASY PRINT	30
ERASE	9, 25
Error messages	56
EV	23, 59
Exposure	59
EXPOSURE COMP.	23, 52
F	
File name	28, 34
Fill-in flash	17
FIREWORKS	15
Flash	17
Flash charge	50
Flash mode	17
Flash off	17
Focus	8, 14, 51, 54
Focus lock	14
Format	27
FORMAT	27
G	
Green lamp	8, 14, 51, 54
GUIDE (Shooting guide)	5, 16
H	
HQ	21
I	
IMAGE QUALITY	21, 55
Image size	21, 59
Index display	18
INDOOR	15
Internal memory	27, 53, 55, 62
J	
JPEG	59
L	
Lithium ion battery	3, 4
Low compression	21

M	
Macro mode 	17
MEMORY FORMAT 	27
Memory gauge	50
MENU button	17, 19
Menu	19, 20
Mode dial	5, 15
Monitor	14, 27, 76
Monitor brightness adjustment 	27
MOVIE PLAY	24
MULTI PRINT	33
Multi-connector	29, 31, 42
N	
NTSC	29, 59
Number of storable still pictures	53
O	
OLYMPUS Master	38, 43
Operation guide	19, 32
Optical zoom	16, 18
P	
PAL	29, 59
PANORAMA	22
PC	38, 42
PictBridge	30, 59
PIXEL MAPPING	27
Pixels	59
Playback mode 	9, 15, 18, 77
Playback on a TV	29
Playing time/Total recording time	24
POWER button	5, 14
Press completely	8
Press halfway	8
PRINT ORDER	33
PRINT ORDER 	26
Print settings	35
Printing pictures	30
PROTECT 	25
R	
Recording movies with or without sound 	28
Red-eye reduction flash 	17
Remaining recording time	53
RESET	22, 55
RESIZE	25
ROTATE	25
S	
SCENE (Scene)	5, 15
SEL. IMAGE	26
Selecting a language 	27
SELF PORTRAIT 	15
Self-timer lamp	17, 54
Self-timer 	17
SETUP menu	26
Shooting mode	5, 15, 18, 58, 76
Shooting movies 	14, 16
Shooting still pictures	14
SHQ	21
Shutter button	8, 14
SHUTTER SOUND	28
SILENT MODE 	23
Single-frame playback	18
Single-frame reservation 	36
Sleep mode	50, 59
SLIDESHOW	23
SPORT 	15
SQ	21
SQ1	21
SQ2	21
STANDARD	30
Standard compression	21
Strap	3
SUNSET 	15
Super macro mode 	17
T	
TFT	59
Top menu	19
U	
USB cable	3, 31, 38, 42
USB driver	39, 48
V	
VIDEO OUT	29
VOLUME	24, 28
X	
xD-Picture Card	22, 62
Z	
Zoom	18
Zoom button	18

OLYMPUS®

<http://www.olympus.com/>

OLYMPUS IMAGING CORP.

Shinjuku Monolith, 3-1 Nishi-Shinjuku 2-chome, Shinjuku-ku, Tokyo, Japan

OLYMPUS IMAGING AMERICA INC.

3500 Corporate Parkway, P.O. Box 610, Center Valley, PA 18034-0610, U.S.A. Tel. 484-896-5000

Technical Support (USA)

24/7 online automated help: <http://www.olympusamerica.com/support>

Phone customer support: Tel. 1-888-553-4448 (Toll-free)

Our phone customer support is available from 8 am to 10 pm

(Monday to Friday) ET

E-Mail: distec@olympus.com

Olympus software updates can be obtained at: <http://www.olympusamerica.com/digital>

OLYMPUS IMAGING EUROPA GMBH

Premises: Wendenstrasse 14-18, 20097 Hamburg, Germany

Tel: +49 40-23 77 3-0 / Fax: +49 40-23 07 61

Goods delivery: Bredowstrasse 20, 22113 Hamburg, Germany

Letters: Postfach 10 49 08, 20034 Hamburg, Germany

European Technical Customer Support:

Please visit our homepage <http://www.olympus-europa.com>

or call our TOLL FREE NUMBER* : **00800 - 67 10 83 00**

for Austria, Belgium, Denmark, Finland, France, Germany, Italy, Luxemburg, Netherlands,
Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom

* Please note some (mobile) phone services providers do not permit access or request an
additional prefix to +800 numbers.

For all European Countries not listed and in case that you can't get connected
to the above mentioned number, please make use of the following

CHARGED NUMBERS: **+49 180 5 - 67 10 83** or **+49 40 - 237 73 899**

Our Technical Customer Support is available from 9 am to 6 pm MET (Monday to Friday)