

OLYMPUS®

CAMEDIA

DIGITAL CAMERA

C-120

D-380

REFERENCE MANUAL

<Click Here>

CAMERA OPERATION

CONNECTING THE CAMERA TO A PC

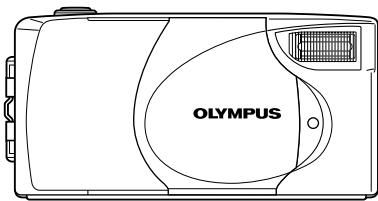
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CAMEDIA

DIGITAL CAMERA

C-120/D-380

REFERENCE MANUAL



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

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.

For customers in North and South America

For customers in USA

Declaration of Conformity

Model Number : C-120/D-380

Trade Name : OLYMPUS

Responsible Party : Olympus America Inc.

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

Telephone Number : 631-844-5000

Tested To Comply With FCC Standards

FOR HOME OR OFFICE USE

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

For customers in Canada

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

Trademarks

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

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

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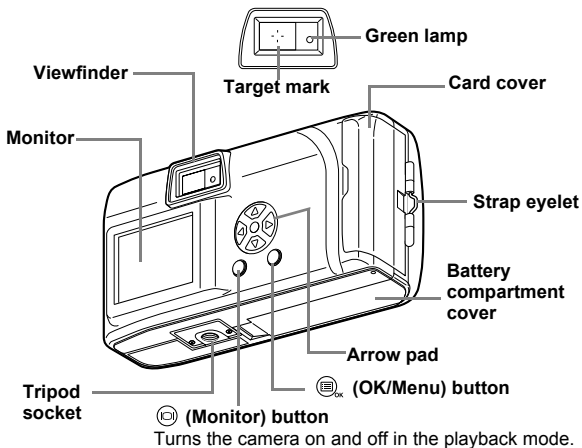
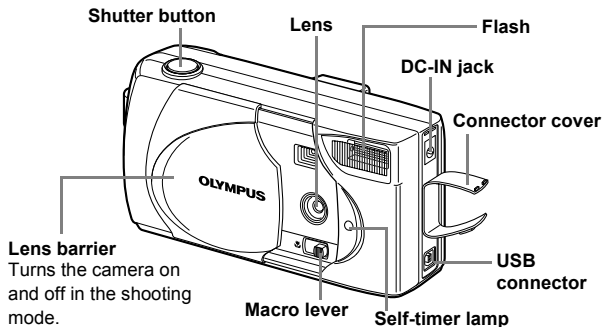
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Indications used in this manual

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

Getting started

Names of parts



Monitor indications

Shooting mode



Playback mode



Getting started

	Item	Indication	Ref.Page
1	Battery check		p.9
2	Flash		p.33
3	Spot metering		p.42
4	Memory gauge		p.9
5	Internal memory		—
6	Exposure compensation	-2.0, -1.5, -1.0, -0.5, +0.5, +1.0, +1.5, +2.0	p.40
7	Self-timer/Drive		p.32,p.38,p.39
8	White balance	WB AUTO,	p.44
9	Record mode	SHQ, HQ, SQ1, SQ2	p.46
10	Number of storable still pictures/Seconds remaining	16/16"	p.32
11	Number of pixels	1600 × 1208, 1600 × 1200, 1024 × 768, 640 × 480	p.46
12	Date and time	'02.01.12 12:30	p.19
13	File number, Frame number/Playing time	100-0016, 16/16"	—
14	Print reservation, Number of prints	× 2	p.85
15	Protect		p.64

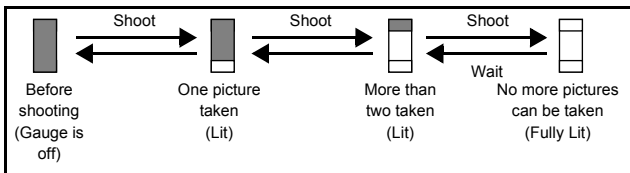


- The indicator is displayed when you are storing pictures in the camera's internal memory. It does not appear when you insert a card.
- You can view shooting information details of the recorded picture in the playback mode. "Displaying shooting information" (p.80)

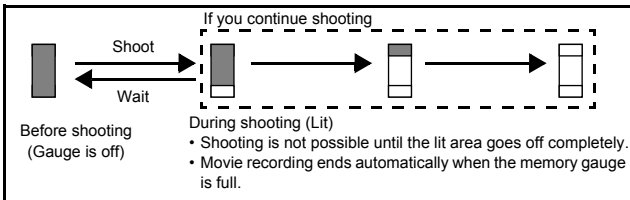
Memory gauge

The memory gauge lights up when you take a picture. While the gauge is lit, the camera is storing the picture on the card. The memory gauge indication changes as shown below depending on the shooting status. When the memory gauge is full, wait a few moments before taking the next shot.

When taking still pictures

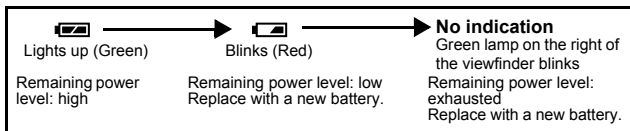


When recording movies



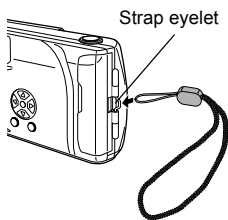
Battery check

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

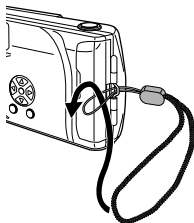


Attaching the strap

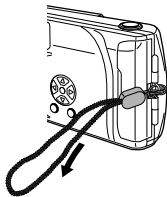
- 1 Thread the short end of the strap through the strap eyelet.



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



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

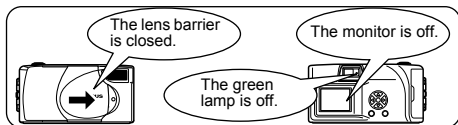


- Be careful with the strap when you carry the camera, as it can easily catch on stray objects, causing serious damage.
- Attach the strap correctly as shown above so that the camera does not fall off. If the strap is attached incorrectly and the camera falls off, Olympus is not responsible for any damages.

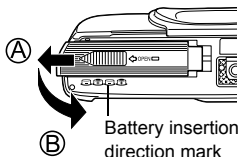
Loading the batteries

This camera uses two CR-V3 lithium battery packs or four AA (R6) NiMH batteries, NiCd batteries, alkaline batteries or lithium batteries.

1 Make sure that:



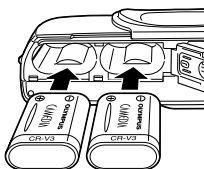
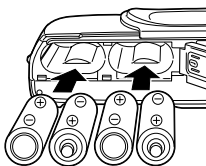
2 Slide the battery compartment cover in the direction of (A) (the direction indicated by the mark on the cover), and lift it up in the direction of (B).



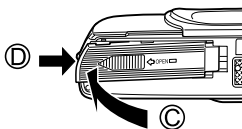
3 Insert the batteries, making sure that they are correctly oriented as shown in the illustration.


When using AA (R6) batteries

When using lithium battery packs



4 Close the battery compartment cover in the direction of (C). While pressing the mark, slide the cover in the direction of (D).



If the battery compartment cover will not close easily, do not force it. Try pressing [OPEN] and the  mark with both hands.



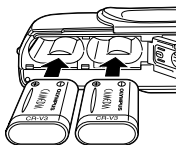
If the camera is left for about 1 hour with the batteries removed, all the internal settings will revert to the factory default settings.

Selecting batteries or the optional AC adapter

In addition to the batteries provided, this camera can use the following types of battery or AC adapter. You are recommended to choose the power source best suited to the situation.

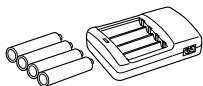
CR-V3 lithium battery pack (Not rechargeable)

Since the CR-V3 lithium battery pack has a long service life, it is convenient when traveling. Do not peel off the label on a CR-V3 lithium battery pack. If an insulating sheet covers the terminals, peel it off only from the terminals.



NiMH batteries (Rechargeable)

Olympus NiMH batteries are rechargeable and economical. Their low-temperature resistance makes them a good choice for cold areas.

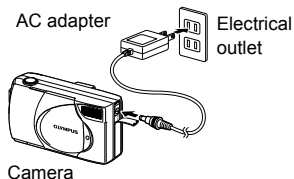


AA (R6) alkaline batteries

When you need batteries in a hurry, you can use AA (R6) alkaline batteries, which are easy to get anywhere. However, the number of pictures that you can store in the camera may vary considerably with AA batteries, depending on the battery manufacturer, camera shooting conditions, etc. Use this type of battery only when you have no other choices available. Turn off the monitor whenever possible to save power.

AC adapter

The optional Olympus AC adapter allows you to power your camera from a household electrical outlet. Use an AC adapter designed to operate on the AC voltage in the area the camera is being used. Consult your nearest Olympus dealer or service center for details.





- Manganese (zinc-carbon) batteries cannot be used.
- If the batteries become exhausted, when the camera is connected to a PC for a long time while powered by the batteries and you are downloading images from the camera, the image data may be lost or damaged. You are therefore recommended to use the optional AC adapter. However, do not connect or disconnect the AC adapter while the camera is connected to the PC.
- Do not remove or load the batteries or connect or disconnect the AC adapter while the camera is turned on. This may affect the camera's internal settings or functions.
- The life of battery packs may vary according to the type of battery, manufacturer, camera shooting conditions, etc.
- Power is consumed continuously during the conditions below. This could reduce the number of pictures that can be taken.
 - When the monitor is turned on.
 - When the monitor is in the playback mode for an extended period of time.
 - When the camera is connected to a PC.

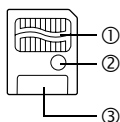
Inserting the card (SmartMedia)

This reference manual uses the term “card” when referring to SmartMedia. The card is convenient, for example, when you are traveling and you want to take a lot of pictures. When the card is inserted, the pictures you have taken are stored on the card. When no card is inserted, the pictures are stored in the camera’s internal memory.

Card basics

Getting started

Images recorded and stored on the card can easily be erased, overwritten, and/or edited on a PC.



- ① Contact area
Comes into contact with the camera’s signal read contacts.
- ② Write-protect area
Attach the provided write-protect seal when you want to protect your data from accidental erasure or overwriting.
- ③ Index area
Use the provided index label to indicate the card’s contents.

The following cards can be used:

- Provided 8 MB standard card
- Optional Olympus CAMEDIA-brand cards (4 MB - 128 MB)
- Commercially available 3 V (3.3 V) cards (4 MB - 128 MB)



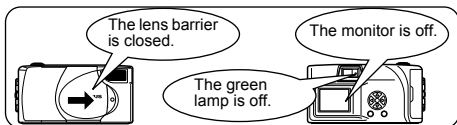
Caution

- 2 MB cards cannot be used.
- Commercially available 5 V cards cannot be used.
- This camera may not recognize a non-Olympus card (such as a 3 V (3.3 V)), or a card that was formatted on another device (such as a PC, etc.). Before use, be sure to format the card on this camera. “Formatting (Card setup/Memory setup)” (I-3 p.74)

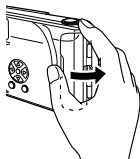
Handling precautions

- Operating temperature: 0°C to 55°C (32°F to 131°F); Storing temperature: -20°C to 65°C (-4°F to 149°F); Humidity: up to 95%
- Put the card into its anti-electrostatic case for storage or transportation.
- Do not bend, drop, or apply any physical shock to the card.
- Do not touch the contact area of the card.
- Do not reuse the write-protect seal.
- Read the provided SmartMedia instruction manual carefully.

1 Make sure that:

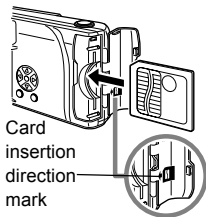


2 Open the card cover.



3 Insert the card as far as it will go in the direction shown in the illustration.

There is an arrow inside the card cover, indicating the direction in which the card should be inserted.

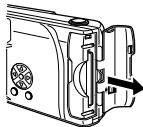


4 Close the card cover securely until it clicks.



Removing the card

Hold the card with your fingertips and pull it out in the direction of the arrow.



Caution

Never open the card cover, or remove the card or the batteries while the camera is turned on. Doing so could destroy all data on the card. Destroyed data cannot be restored.

Turning the power on/off

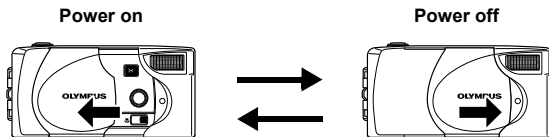
When shooting pictures

Power on: Open the lens barrier.


The camera turns on in the shooting mode.

Power off: Close the lens barrier.

The camera turns off.



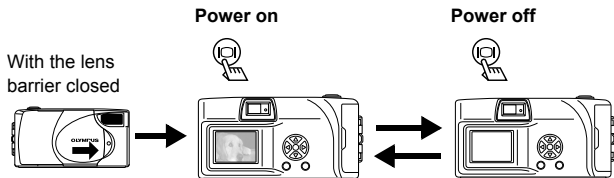
When playing back pictures on the camera


Power on: Press the  (monitor) button with the lens barrier closed.

The camera turns on in the playback mode (the monitor turns on).

Power off: Press the  (monitor) button.

The camera turns off (the monitor turns off).

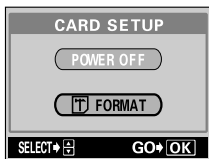


- If you open the lens barrier without the card inside the camera, NO CARD appears on the monitor. In this case, you can record pictures in the camera's internal memory.
- To save battery power, the camera automatically enters the sleep mode after about 3 minutes of non-operation. If the monitor is on, it will automatically turn off. The camera activates again as soon as you lightly press the shutter button or the  button. Whenever possible, turn the camera off when you do not intend to take any pictures for a while.

What to do if the CARD SETUP screen is displayed

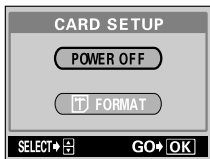
When the power is turned on, the camera checks the card automatically. If the card in the camera has to be formatted, the following screen appears.




Getting started



Note that all existing data stored on the card is erased when the card is formatted.

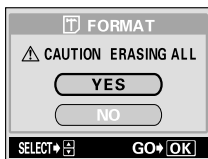
To turn the camera off



Press   on the arrow pad to select **POWER OFF**, then press the  (**OK/Menu**) button.

The camera turns off.

To format the card



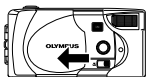
Press   on the arrow pad to select  **FORMAT** and press the  (**OK/Menu**) button. Then select **YES** and press  again to start formatting.

Formatting starts.

If the card was successfully formatted, the camera is ready to take pictures.

Setting the date and time


- 1 Open the lens barrier.

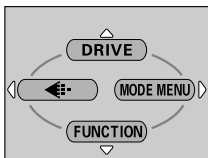





- 2 Press .

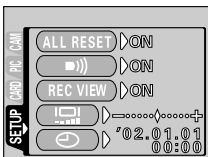
The shooting mode top menu is displayed.



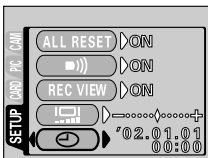
- 3 Press  on the arrow pad to select **MODE MENU**.



- 4 Press   to select the **SETUP** tab, then press .



- 5 Press   to select , then press .



- 6** Press to select one of the following date formats:

Y-M-D (Year/Month/Day)

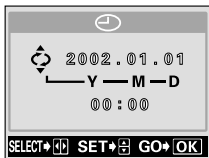
M-D-Y (Month/Day/Year)

D-M-Y (Day/Month/Year)

Then press .

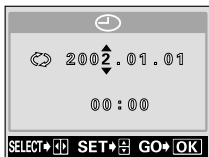
The cursor moves to the next setting field.

The following steps show the procedure when the Y-M-D format is selected.



- 7** Press to set the first field, then press to move to the next field.

Press to move back to the previous setting field.



- 8** Repeat the above steps until the date and time are completely set.

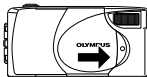
- 9** Press .

For a more accurate setting, press when the clock hits 00 seconds. The clock starts when you press .



- 10** Close the lens barrier.

The camera turns off.




Caution

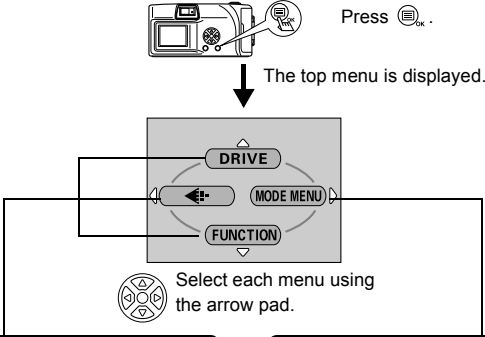
If the camera is left for about 1 hour with the batteries removed, or if the battery power is exhausted, the date and time settings may be canceled or become incorrect. Before taking important pictures, check that the date and time settings are correct.




The date and time can also be set by the same procedure in the playback mode.

Using the menus and tabs





When you turn on the camera and press the  (OK/Menu) button, the top menu is displayed on the monitor. The functions of this camera are set from the menus. This chapter explains how the menus work, using the shooting mode screens.




Press .

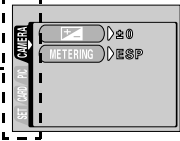
The top menu is displayed.

Select each menu using the arrow pad.



Shortcut Menu	Mode Menu
<ul style="list-style-type: none">Let you quickly access the most frequently used menu settings.Display operational buttons at the bottom of the screen, and let you select items by pressing  .	<ul style="list-style-type: none">Lets you access the menu selections to set the metering, white balance, etc.Categorizes the settings into 4 tabs.Displays the CAMERA, PICTURE, CARD and SETUP tabs. Select the desired tab on the left of the screen by pressing  .






Tabs



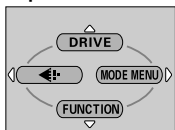
How to use the menus

1 Press  to display the top menu, then press .

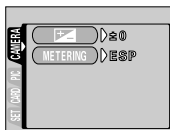
2 Press   to select a tab, then press  to display the menu.

Getting started

Top menu



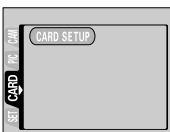
CAMERA tab



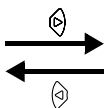
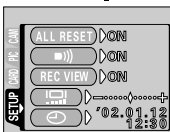
PICTURE tab



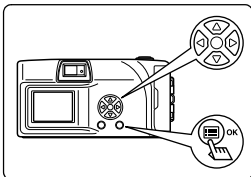
CARD tab



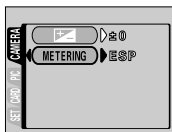
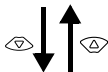
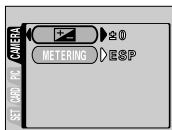
SETUP tab



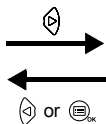
To return to select a tab, press .



- 3 Press to select the desired item, then press to display the available setting selections.

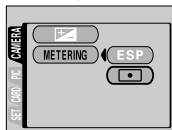
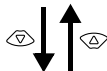
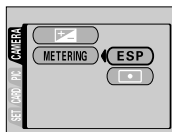


The green frame moves to the selected item.



To return to select an item, press or .

- 4 Press to select the setting.
Setting is completed when the setting has been changed.



To close the menu, press twice.

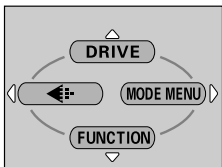
Note

- Not all items can be selected depending on the status of the camera and the settings performed. For example, when the movie mode is selected, you cannot select SEPIA, BLACK&WHITE or in the EDIT tab category.
- By pressing the shutter button to take a picture while the menu is displayed, you can take pictures with the currently selected settings.
- If you want to save the settings after the camera is turned off, set All Reset to OFF. "Saving the settings (All Reset)" (p.78)

Shortcut menus

Shooting mode




When the still picture shooting mode is selected



When the movie recording mode is selected



DRIVE

	Lets you shoot one frame at a time (normal shooting).	p.29
	Lets you shoot pictures in succession.	p.39
	Lets you shoot movies.	p.32




Lets you select the resolution and the quality of the image.

Still picture : SHQ, HQ, SQ1, SQ2

Movie : HQ, SQ

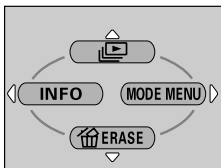
p.46

FUNCTION

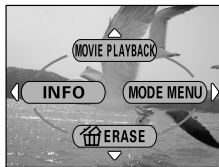
2 IN 1	Lets you combine two still pictures taken in succession into one picture.	p.51
	Self-Portrait mode: Lets you take a picture of yourself while holding the camera.	p.53
PANORAMA	Allows panorama pictures to be taken with Olympus CAMEDIA-brand SmartMedia cards.	p.49

Playback mode

When a still picture is played back



When a movie is played back



Displays all recorded pictures in slide-show fashion.

p.58

MOVIE PLAYBACK

Plays back a movie.

p.59

INFO

Displays all the shooting information on the monitor.

p.80





ERASE

Erases a selected picture.

p.61

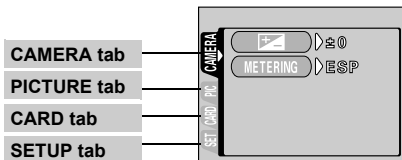
Mode menus



Mode menu functions are categorized into 4 tabs. Use   to select a tab and display the respective functions.



If you display the mode menu without the card inside the camera, a MEMORY tab will be displayed instead of the CARD tab.




Shooting mode



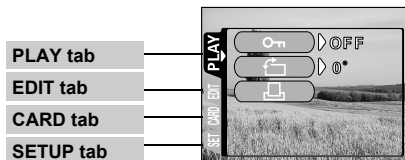
CAMERA tab		
	Adjusts the brightness of the image (Exposure compensation).	p.40
METERING	Selects the area of the image that will be used to determine exposure or image brightness from the two available settings: ESP or  (spot metering).	p.42

PICTURE tab		
WB	Sets the appropriate white balance according to the light source.	p.44

CARD tab		
CARD SETUP	Formats a card.	p.74

SETUP tab		
ALL RESET	Selects whether to save the current camera settings when you turn off the power.	p.78
	Turns the beep sound (used for warnings, etc.) on and off.	p.73
REC VIEW	Selects whether to display pictures on the monitor while saving them.	p.77
	Adjusts the brightness of the monitor.	p.81
	Sets the date and time.	p.19

Playback mode



PLAY tab		
	Protects pictures from accidental erasure.	p.64
	Rotates pictures 90 degrees clockwise or counter-clockwise.	p.69
	Stores printing information on the card required for DPOF printers.	p.85
EDIT tab		
BLACK & WHITE	Creates black and white pictures.	p.66
SEPIA	Creates sepia-toned pictures.	p.67
	Makes the file size smaller.	p.68
INDEX	Creates an index picture of a movie in 9 frames.	p.71
CARD tab		
CARD SETUP	Formats a card.	p.74
	Erases all image data stored on the card.	p.62
BACKUP	Copies images stored in the internal memory to the card.	p.76
SETUP tab		
ALL RESET	Selects whether to save the current camera settings when you turn off the power.	p.78
	Turns the beep sound (used for warnings, etc.) on and off.	p.73
	Selects the number of frames in the index display.	p.57
	Adjusts the brightness of the monitor.	p.81
	Sets the date and time.	p.19

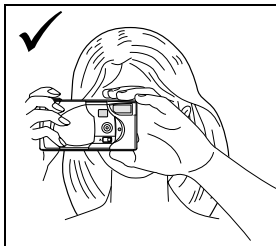
Shooting basics

Holding the camera

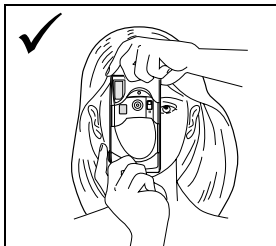
Hold the camera firmly with both hands while keeping your elbows at your sides to prevent the camera from moving.

When taking pictures in the vertical position, hold the camera so that the flash is at the top.

Horizontal grip

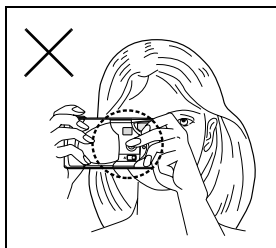


Vertical grip



Incorrect grip:

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



Clear images cannot be obtained if the camera shakes as the shutter button is pressed. Hold the camera securely, and press the shutter button gently.

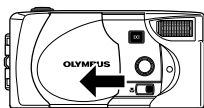
Taking still pictures

You can take still pictures using either the viewfinder or the monitor. Both methods are easy as all you have to do is to press the shutter button. The recorded picture will be stored on the card if you have inserted one, or in the internal memory if you have not inserted a card.

Taking still pictures using the viewfinder

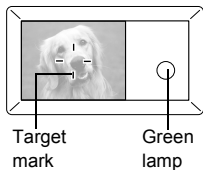
1 Open the lens barrier.

Slide the lens barrier open until it clicks.



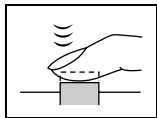
2 Position the target mark over the subject in the viewfinder.

When the distance from the camera to the subject is less than 60 cm/2 ft, select the macro mode. "Taking close-up pictures (Macro mode)" (📷 p.37)



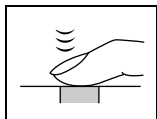
3 Press the shutter button gently (halfway).

The green lamp on the right of the viewfinder lights up. The exposure is locked as long as the shutter button is kept pressed halfway.



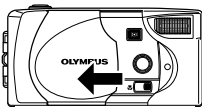
4 Press the shutter button all the way (fully).

The camera takes the picture.




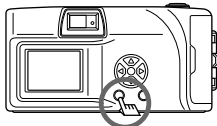
Taking still pictures using the monitor

1 Open the lens barrier.



2 Press .

The monitor turns on.
 "Monitor indications" ( p.8)




3 Determine the image composition while observing your subject on the monitor.





4 Take the picture by following the same procedure as for shooting using the viewfinder.

Press the shutter button all the way (fully) to take the picture.

"Taking still pictures using the viewfinder" ( p.29)

When you want to take pictures with the monitor off, press  again.



- While the green lamp is blinking after the shutter button is pressed halfway, the flash is charging. While the green lamp is blinking after shooting, the picture you just took is being stored. Wait until the lamp goes off to take another picture (approx. 2 to 40 seconds).
- If the memory gauge is fully lit, you cannot take any pictures. Wait a few seconds until the memory gauge goes off to take another picture. "Memory gauge" ( p.9)
- The monitor is used for checking the image composition. Camera shake, the correct focus and exposure condition of the recorded picture should be checked by the close-up playback. "Close-up playback" ( p.55)

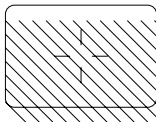


Caution

- Press the shutter button gently using the ball of your finger. If it is pressed hard, the camera may move and pictures may come out blurred.
- Never open the card cover, remove the batteries or disconnect the AC adapter while the green lamp is blinking. Doing so could destroy stored pictures and prevent storage of pictures you have just taken.

Comparison of the viewfinder and monitor

	Viewfinder	Monitor
Advantages	Camera shake does not occur easily and subjects can be seen clearly even in bright places. Little battery power is used.	You can check the picture area that the camera actually records more accurately.
Disadvantages	When close to a subject, the image in the viewfinder is a little different from the picture that the camera actually records.	Camera shake can occur easily and subjects may be difficult to see in bright/dark places. The monitor uses more battery power than the viewfinder.
Tips	Use the viewfinder for general snapshots (landscape pictures, casual shots, etc.) or when taking several pictures in a row (approx. 60 cm/2 ft - ∞).	Use the monitor when you need to know the exact area the camera records, or when you want to shoot a close subject such as a close-up portrait or flower (approx. 25 - 60 cm/0.8 ft - 2 ft).

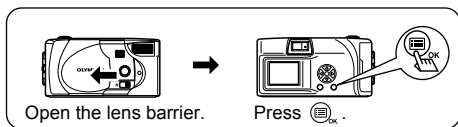


- The camera records a wider area than the image in the viewfinder.
- As you get closer to the subject, the actual image recorded becomes lower than the one in the viewfinder (see left).

Recording movies

You can record movies with this camera. Recorded movies can be played back or stored separately as still pictures using the index function. "Creating an index" (📖 p.71)

1 Display the top menu in the shooting mode.



2 Press to select DRIVE.

3 Press to select , then press .

Movie recording is set and the menu is closed.

The total recordable time and the mark are displayed on the monitor.

4 Record the movie while observing your subject on the monitor.

Press the shutter button fully to start recording and the number of seconds remaining for one record is displayed.

Press the shutter button fully again to stop recording.



Seconds remaining

● To cancel movie mode

Press .

The monitor turns off and the movie mode is canceled.



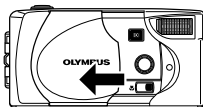
- The movie mode is canceled when the lens barrier is closed. "Saving the settings (All Reset)" (📖 p.78)
- During movie recording, the flash is disabled.
- It takes longer to store movies than still pictures.
- The seconds remaining varies depending on the record mode, whether the movie is stored on the card or in the internal memory, and the amount of space available on the card or in the internal memory. "Selecting the image quality and size (Record mode)" (📖 p.46)
- You cannot record movies with sound.

Using the flash

In the auto-flash mode (factory default setting), the flash is designed to fire automatically when shooting under low light or against strong backlight, but you can change the flash mode to suit different shooting situations. Select the flash mode best suited to the light conditions and the effect you want to achieve.

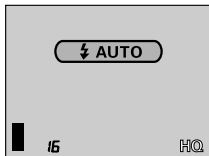
1 Open the lens barrier.

The camera turns on in the shooting mode.









2 Press .

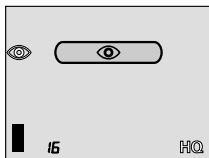
The current flash setting is displayed.



3 Press while the current flash setting is displayed.


Each time you press , the flash mode is switched in the following sequence:

 AUTO -  -  -  -  - .



4 Take the picture.



- The flash working range is approximately 2.5 m/8.2 ft.
- The camera returns to the auto-flash mode (factory default setting) when the lens barrier is closed. "Saving the settings (All Reset)" ( p.78)



Caution

- While the green lamp is blinking, the flash is charging and shooting is not possible. Wait until the lamp goes off, then retry shooting.
- If you use the flash when shooting at a close distance, shadows may be conspicuous and the correct exposure may not be achieved.
- In sequential shooting, panorama or movie mode, the flash is disabled.

Auto-flash (No indication)

The flash fires automatically in low light or backlight conditions.

To shoot a subject with backlight, position the target mark over the subject in the viewfinder.

Red-eye reduction flash (👁)

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



The subject's eyes appear red.



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

Fill-in flash (⚡)

The flash always fires every time the shutter button is released. This mode is suitable when you need minimize shadows around the subject (such as the shade of tree leaves on the subject's face), in backlight conditions, or under artificial light such as a fluorescent lamp.



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

Flash off (🚫)

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

Night scene (★)

Use this mode when shooting a subject against a night background. In this mode, the flash is designed for slow shutter speeds, enabling the flash to brighten the subject and the slow shutter speed to shoot the background, ensuring both are exposed.



Night scene with red-eye reduction (★👁)

Use this mode when shooting a portrait against a night background to reduce the red-eye phenomenon. In this mode, pre-flashes are emitted to counter the red-eye phenomenon.



Caution

Since a slow shutter speed is automatically selected in low light situations when the flash off, night scene or night scene with red-eye reduction flash mode is set, the use of a tripod is recommended to prevent your pictures from being blurred by camera shake. The green lamp blinks in low light conditions to warn of camera shake, but you can take pictures. Note that a moving subject will be blurred.

Zooming in on a subject (Digital zoom)

The maximum possible magnification is 5x.

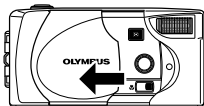
Record mode and zoom magnification

When the record mode is set to SHQ, HQ or SQ1: 1x - 2.5x

When the record mode is set to SQ2: 1x - 5x

1 Open the lens barrier.

The camera turns on in the shooting mode.



2 Press .

The monitor turns on automatically.


3 Press while observing your subject on the monitor.

The bar moves on the zoom indicator according to the zoom magnification.



4 Take the picture while observing your subject on the monitor.



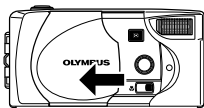
- Pressing  turns off the monitor and cancels the digital zoom.
- Pictures taken with the digital zoom may appear grainy.

Taking close-up pictures (Macro mode)

The macro mode allows you to shoot a subject at a distance of 25 - 60 cm/0.8 - 2 ft. You can also use the macro mode to shoot a subject at a distance of more than 60 cm/2 ft. This camera uses a smaller lens aperture in this mode, making it useful for taking pictures in bright surroundings, such as snow-covered mountains in bright sunshine.

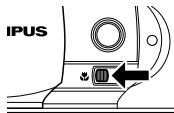
1 Open the lens barrier.

The camera turns on in the shooting mode.



2 Slide the macro lever on the front of the camera in the direction of the arrow.

To cancel the macro mode, slide the lever back to its original position.



3 Press .

The monitor turns on.



4 Take the picture while observing your subject on the monitor.



The macro mode is canceled when the lens barrier is closed.



- Be sure to slide the macro lever all the way.
- In the macro mode, keep a minimum distance of 25 cm/0.8 ft. between the camera and the subject. When the camera is too close to the subject, the shutter will release but the subject will not be in focus.
- If you use the flash in macro shooting, shadows may be conspicuous and the correct exposure may not be achieved.

Advanced shooting

Using the self-timer

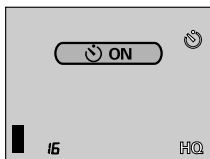
This function is useful for taking pictures with yourself included in the photograph. Fix the camera securely on a tripod for self-timer shooting.

1 Open the lens barrier.

The camera turns on in the shooting mode.

2 Press .

The monitor turns on and the current self-timer setting is displayed.

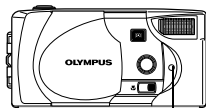


3 Press while the current self-timer setting is displayed.

The setting changes between  ON and  OFF each time  is pressed.


4 Press the shutter button fully.

The self-timer lamp lights up for approximately 10 seconds, then starts blinking. After blinking for 2 seconds with beep sound, the picture is taken.



Self-timer lamp




- The self-timer mode is canceled automatically after taking one picture or when the lens barrier is closed even if All Reset is set to OFF.
- To cancel the self-timer shooting after the shutter button has been pressed, press .
- During the self-timer shooting, the sequential shooting and the movie mode are disabled.

Shooting pictures sequentially (Sequential shooting)

This function allows you to take a rapid succession of still pictures by pressing and holding the shutter button (over 8 pictures at 1.5 frames per second in HQ mode). As you can choose the best picture from a series of sequential shots, you are recommended to use this mode when taking a moving subject. You can also erase the unwanted shots afterwards. "Single-frame erase" (👉 p.61)

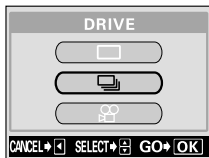
1 Display the top menu in the shooting mode.

- Open the lens barrier.
- Press .

2 Press to select DRIVE.

3 Press to select , then press .

Sequential shooting is set and the menu is closed.



4 Take the pictures.

Press the shutter button fully and keep it pressed. The camera will take pictures in sequence until you release the button.



- The sequential shooting mode is canceled when the lens barrier is closed. "Saving the settings (All Reset)" (👉 p.78)
- During sequential shooting, the flash is disabled.
- Since the shutter speed is set to 1/30 sec. max., exposure is decreased when shooting a dark subject to prevent camera shake.
- The number of pictures that can be shot in succession and the sequential shooting speed vary depending on the subject, the record mode, whether the pictures are stored on the card or in the internal memory, and the amount of space available on the card or in the internal memory.



It takes longer than usual to store pictures after sequential shooting.


Varying the image brightness (Exposure compensation)

This function allows you to make fine changes to the automatic exposure setting. In some situations, you may get better results when the exposure that the camera sets is compensated (adjusted) manually. You can adjust the brightness in the range of ± 2.0 in 0.5 steps.

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

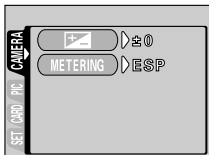


1 Display the top menu in the shooting mode.

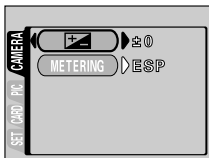
- Open the lens barrier.
- Press .

2 Press to select MODE MENU.

3 Press to select the CAMERA tab, then press .




4 Press to select , then press .

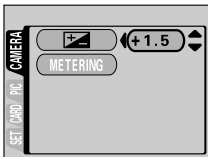


5 Press to select the exposure compensation value.

Select a [+] value to brighten the image or a [-] value to darken the image.


The exposure compensation value is set.

To close the menu, press  twice.



6 Take the picture.



- The exposure compensation value returns to ± 0 (factory default setting) when the lens barrier is closed. "Saving the settings (All Reset)" ( p.78)
- When you adjust the exposure while observing the subject on the monitor, the brightness of the image displayed also changes. However, the variation may be less noticeable when the subject is dark. In this case, play back the recorded picture to confirm that the exposure is satisfactory.




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

Selecting the metering area (Spot metering)


In a backlight situation, your subject may appear dark if the picture is taken with the normal metering value (Digital ESP metering). In this case, by changing the metering area to the center of the viewfinder (Spot metering), a subject can be shot with optimal exposure regardless of the background light.

Metering settings

ESP (Digital ESP) : Meters the center of the viewfinder and the area around it separately to obtain the optimum exposure. (No indication is displayed on the monitor.)

 (Spot metering) : Meters only the center of the viewfinder to obtain the appropriate exposure for the subject.

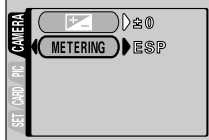
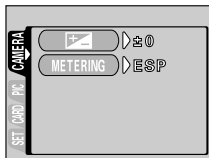
1 Display the top menu in the shooting mode.

- Open the lens barrier.
- Press .

2 Press to select MODE MENU.


3 Press to select the CAMERA tab and press .

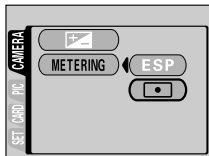
4 Press to select METERING, then press .



5 Press   to select  .


Spot metering is set.

To close the menu, press  twice.



6 Take the picture while positioning the target mark on your subject in the viewfinder.




The camera returns to ESP (factory default setting) when the lens barrier is closed. "Saving the settings (All Reset)" ( p.78)


Adjusting the color tone (White balance)

Color reproduction differs depending on the lighting conditions. For instance, when daylight, the setting sun or tungsten lighting are reflected on white paper, the shade of white produced will be slightly different for each. By setting the WB (white balance), you can achieve more natural-looking colors.


White balance settings

AUTO : The white balance is adjusted automatically so that colors look natural (No indication is displayed on the monitor.)


 (Sunlight) : For natural colors under a clear sky.

 (Overcast) : For natural colors under a cloudy sky.

 (Tungsten) : For natural colors under tungsten lighting.

 (Fluorescent) : For natural colors under fluorescent lighting.

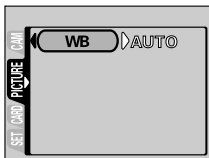
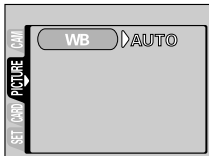
1 Display the top menu in the shooting mode.







- Open the lens barrier.
- Press .

2 Press to select MODE MENU.


3 Press to select the PICTURE tab, then press .

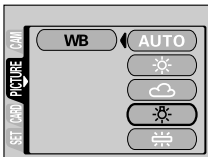
4 Press .



- 5** Press   to select one of the white balance modes: **AUTO**, , ,  or .



The white balance is set.

To close the menu, press  twice.



- 6** Take the picture.



- The white balance setting returns to AUTO (factory default setting) when the lens barrier is closed. "Saving the settings (All Reset)" ( p.78)
- If you want a color tone that resembles what you see under tungsten lighting, set the white balance mode to .





- White balance may not be effective under some special light sources.
- After setting a white balance mode other than AUTO, play back the picture and check the colors on the monitor.
- When the flash is fired with a white balance setting other than AUTO, colors may appear different in the resulting picture from the colors you see on the monitor.

Selecting the image quality and size (Record mode)

Choose the best record mode for your purposes (printing, editing on a computer, website editing, etc.).

Still picture record modes


Record mode	Description	Resolution (No. of pixels)	Quality	File size	
SHQ (Super High Quality)	<ul style="list-style-type: none">• Use this mode when you want to print out an image with high quality or on large paper such as A4 (8.3" × 11.7"/21 cm × 29.7 cm), or you want to process images on a PC.• The image quality is higher, but the number of storable images is fewer. It takes longer to store the images.	1600 × 1208 pixels*	Clearer 	Larger 	
		HQ (High Quality)			1600 × 1200 pixels*
		SQ (Standard Quality)			1024 × 768 pixels* in SQ1 mode 640 × 480 pixels* in SQ2 mode

Movie record modes

Record mode	Description	Resolution (No. of pixels)	Quality	File size
HQ (High Quality)	You can record continuously for 15 seconds at a time.	320 × 240 pixels*	Clearer	Larger
SQ (Standard Quality)	You can record continuously for 60 seconds at a time.	160 × 120 pixels*	Normal	Smaller

* Pixels are the unit used to express the resolution. "Relation between the record mode and the resolution" (📖 p.48)

1 Display the top menu in the shooting mode.

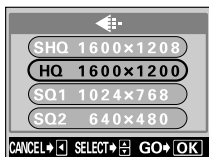
- Open the lens barrier.
- Press .

2 Press to select .

3 Press to select one of the record modes, then press .

The record modes for still pictures are SHQ, HQ, SQ1 and SQ2; and for movies are HQ and SQ.

The record mode is set and the menu is closed.



Still picture record modes

4 Take the picture.



- The record mode setting returns to HQ (factory default setting) when the lens barrier is closed. "Saving the settings (All Reset)" (📖 p.78)
- Even if you change the movie record mode, the still picture record mode remains the same.

Relation between the record mode and the resolution

Resolution

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

Resolution and picture size on a computer screen

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

Numbers of pictures you can shoot


The table below shows the approximate number of storable pictures.

	No. of still pictures			
	SHQ	HQ	SQ1	SQ2
Internal memory	0	2	3	5
8 MB	5	16	29	47
16 MB	11	32	58	90
32 MB	23	64	117	180
64 MB	46	128	234	362
128 MB	92	257	469	725

Panorama shooting

You can take advantage of panorama shooting with the provided Olympus CAMEDIA-brand SmartMedia card. (Non-Olympus cards do not support this feature.) Panorama shooting lets you connect pictures with overlapping edges into a single panoramic picture, using the provided CAMEDIA Master software. Make sure to insert the card before shooting in panorama mode.

1 Display the top menu in the shooting mode.





- Open the lens barrier.
- Press .

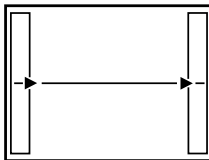
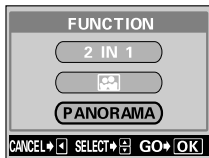
2 Press to select FUNCTION.

3 Press to select PANORAMA, then press .

The panorama mode is set and the monitor turns on automatically.

4 Press the arrow pad to select the direction that you want to connect pictures.

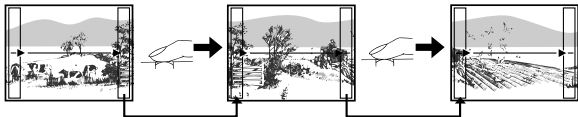
-  : Connects the pictures from left to right.
-  : Connects the pictures from right to left.
-  : Connects the pictures from bottom to top.
-  : Connects the pictures from top to bottom.



Connects a series of pictures from left to right.

5 Make sure that the edges of the pictures overlap, then take your pictures.

Panorama shooting is possible for up to 10 pictures.




Compose your shots so that they overlap to form one picture.

When you try to take more than 10 pictures, the mark is displayed.



6 Press to finish panorama shooting.



The panorama mode is canceled when  is pressed or the lens barrier is closed.



- The panorama mode is only available with Olympus CAMEDIA-brand SmartMedia cards.
- Exposure and white balance are set by the first picture. Do not select an extremely bright subject (such as the sun) for the first picture.
- Your computer's memory may be insufficient if you take too many panorama pictures in HQ/SHQ mode. You are recommended to use SQ1/SQ2 mode for panorama shooting.
- During panorama shooting, the flash, sequential shooting and self-timer functions are disabled.
- The camera itself cannot edit panorama pictures. To connect each picture, the CAMEDIA Master software is necessary.


Taking two-in-one pictures

This function allows you to combine two pictures taken in succession and store them as a single picture.



Picture when played back

1 Display the top menu in the shooting mode.

- Open the lens barrier.
- Press .

2 Press to select FUNCTION.

3 Press to select 2 IN 1, then press .

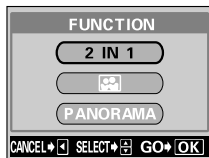
The two-in-one picture mode is set and the monitor turns on automatically.

4 Take the first shot while observing your subject on the monitor.

The subject is positioned on the left.



5 Take the second shot in succession.

The subject is positioned on the right.



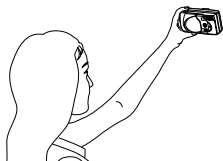
Picture when shooting




- The two-in-one picture mode is canceled when  is pressed or the lens barrier is closed.
- During two-in-one picture shooting, the sequential shooting and self-timer functions are disabled. If you are using the digital zoom, you cannot change the magnification between the first shot and the second shot.
- Press  to cancel the two-in-one picture mode after the first shot has been taken. The first picture will not be stored.

Taking a picture of yourself (Self-portrait shooting)

To enable you to hold the camera at arm's length and take a picture of yourself, the camera automatically selects the optimal settings for self-portrait shooting.



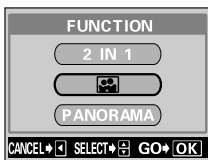
1 Display the top menu in the shooting mode.

- Open the lens barrier.
- Set the macro mode. "Taking close-up pictures (Macro mode)" (▶▶ p.37)
- Press .

2 Press to select FUNCTION.


3 Press to select , then press .

Self-portrait mode is set and the menu is closed.



4 Take the picture.



The self-portrait mode is canceled when  is pressed or the lens barrier is closed.

Playback

Playing back still pictures


You can play back pictures one by one on the monitor.


1 Press with the lens barrier closed.

The monitor turns on and displays the last picture taken. (Single-frame playback)



2 Press .

 : Displays the previous picture.

 : Displays the next picture.

3 Press to cancel playback.

The monitor and camera turn off.



When the camera turns on, the monitor may light for an instant and show a picture after a while.

Quick View (Double-click playback)

This function lets you play back pictures during shooting with the lens barrier open. It is useful when you want to check shooting results and resume shooting quickly.

1 Press twice quickly (double-click) in the shooting mode.

The camera enters the playback mode and displays the last picture taken. (Single-frame playback)

2 Press the shutter button gently (halfway).

The camera returns to the shooting mode and you can resume shooting.





Functions available in normal playback mode are also available in Quick View.

Close-up playback


Pictures displayed on the monitor can be enlarged 1.5, 2, 2.5 or 3 times. This function is useful when you want to check the details of a picture.

1 Press with the lens barrier closed.

The monitor turns on and displays the last picture taken.






Press   to select the picture you want to enlarge.

2 Press .

Each time you press , the picture is enlarged in the sequence 1.5x → 2x → 2.5x → 3x.




3 To enter scroll mode, press while the enlarged picture is displayed.

Press     to scroll in the corresponding direction and display the section of the picture you want to see. To exit scroll mode, press  again.



4 To return to single-frame playback (1x), press after exiting the scroll mode.



- The close-up playback function is not available for movies.
- During close-up playback, the top menu is not displayed even if  is pressed. To display the top menu, return the picture to the original size.

Index display



This function lets you show several pictures at the same time on the monitor. It is useful for quickly finding the picture you want to view. The number of pictures shown can be 4, 9 or 16. "Selecting the number of pictures" (▶▶ p.57)

1 Press  with the lens barrier closed.

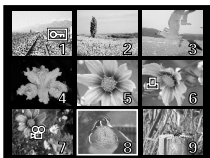
The monitor turns on and displays the last picture taken. (Single-frame playback)


2 Press  to enter the index display mode.



3 Pressing  moves the green frame to the next picture, and pressing  moves it to the previous picture.

The selected picture is highlighted in the green frame.



4 To return to single-frame playback, press .



The picture highlighted in the green frame is displayed in the single-frame playback mode.



Selecting the number of pictures

This function lets you change the number of pictures, 4, 9 or 16, in an index display.

1 Display the top menu in the playback mode.

- Press  with the lens barrier closed.
- Press .

2 Press to select MODE MENU.

3 Press to select the SETUP tab, then press .




4 Press to select , then press .



5 Press to select 4, 9 or 16.

The number of pictures in the index display is set.



To close the menu, press  twice.



Slide-show

This function automatically displays pictures one after another, as if you are watching a slide-show. It is useful when you want to view the pictures you have taken in order.

1 Display the top menu in the playback mode.

- Press  with the lens barrier closed.
- Press .


2 Press to select and the slide-show starts.

Each picture is displayed for 3 seconds, then the display automatically changes to the next picture.



3 Press to cancel the slide-show and return to the playback mode.







- When you display the top menu while showing a movie, MOVIE PLAYBACK will be displayed instead of . To run a slide-show, display a still picture first.
- If batteries are used when running a slide-show and the camera is not operated for about 30 minutes, the power will automatically turn off.

Playing back movies

- 1** Press  with the lens barrier closed.

The monitor turns on.

- 2** Press   to display the desired picture with a  indicator, then press .

The top menu is displayed.



- 3** Press  to select **MOVIE PLAYBACK**.

The movie is played back after the green lamp on the right of the viewfinder blinks and the movie data is downloaded to the camera. When the movie reaches the end, the display returns automatically to the beginning of the movie.

- 4** Press .

The **MOVIE PLAYBACK** menu is displayed.



Playback






PLAYBACK : Plays back the entire movie again.

FRAME BY FRAME : Plays back the movie manually one frame at a time.


EXIT : Leaves the movie playback mode.

- 5** Press   to select the desired operation, then press .

Operations when FRAME BY FRAME is selected

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



To play back another movie, exit the movie playback mode by selecting EXIT on the MOVIE PLAYBACK menu. Then display the desired picture with a  indicator and select MOVIE PLAYBACK again on the top menu.

Erasing pictures

Recorded pictures can also be erased. This can be done either one frame or all the pictures stored in the internal memory or on the card at a time.



Caution

- Erasure is not possible if the picture you want to erase is protected or a write-protect seal is attached to the card. Before erasing, unprotect the picture or remove the write-protect seal from the card.
- Once erased, pictures cannot be restored. Check each picture before erasing to avoid accidentally erasing pictures you want to keep. "Protecting pictures (Protect)" (📖 p.64)

Single-frame erase

1 Press with the lens barrier closed.

The monitor turns on.

2 Press to select the picture you want to erase.

"Playing back still pictures" (📖 p.54)

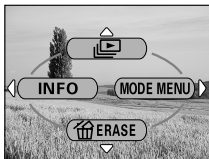
3 Press .

The top menu is displayed.

4 Press to select ERASE.

5 Press to select YES, then press .

The picture is erased and the menu is closed.



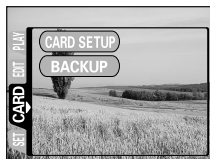
All-frame erase

1 Display the top menu in the playback mode.

- Press with the lens barrier closed.
- Press .

2 Press to select MODE MENU.

3 Press to select the CARD tab, then press .

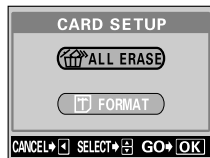


4 Press to select CARD SETUP, then press .



5 Press to select ALL ERASE, then press .

Note that selecting FORMAT will erase all existing data.



- 6** Press   to select YES, then press .

All the pictures are erased.




Protecting pictures (Protect)

You are recommended to protect important pictures to avoid accidentally erasing them.

- 1** Press  with the lens barrier closed.

The monitor turns on.

- 2** Press   to select the picture you want to protect.

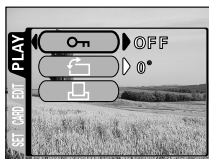
- 3** Press , then press .

The mode menu is displayed.

- 4** Press   to select the PLAY tab, then press .




- 5** Press   to select ON, then press .




- 6** Press   to select ON.

The selected picture is protected.

To close the menu, press  twice.





- The  indicator is displayed at the top right of the protected picture.



- Protection on each picture remains even when the camera is turned off.



- Protected pictures cannot be erased by the single-frame/all-frame erase function, but they can be all erased with the format function.
- Protection cannot be applied to pictures stored on a card with a write-protect seal.

Creating black and white pictures

This function enables you to turn the selected picture into a black and white picture.

1 Press  with the lens barrier closed.

The monitor turns on.

2 Press   to select the picture you want to turn into a black and white picture.

3 Press , then press .

The mode menu is displayed.

4 Press   to select the EDIT tab, then press .

5 Press   to select BLACK & WHITE, then press .



6 Press   to select BLACK & WHITE, then press .

After a bar is displayed to show the progress of creating, the camera returns to the playback mode. The black and white picture is stored as a separate picture from the original one.



To cancel editing mode, select CANCEL and press .

















Caution

- You cannot create black and white movies.
- You cannot create black and white pictures from pictures stored on a card with a write-protect seal.
- You cannot create a black and white picture if there is insufficient memory space on the card.

Creating sepia-toned pictures

This function enables you to turn the selected picture into sepia tones.

- 1 Press  with the lens barrier closed.
The monitor turns on.
- 2 Press   to select the picture you want to turn into a sepia-toned picture.
- 3 Press , then press .
The mode menu is displayed.
- 4 Press   to select the EDIT tab, then press .
- 5 Press   to select SEPIA, then press .
- 6 Press   to select SEPIA, then press .

After a bar is displayed to show the progress of creating, the camera returns to the playback mode. The sepia-toned picture is stored as a separate picture from the original one.

To cancel editing mode, select CANCEL and press .



Playback



Caution



- You cannot create sepia-toned movies.
- You cannot create sepia-toned pictures from pictures stored on a card with a write-protect seal.
- You cannot create a sepia-toned picture if there is insufficient memory space on the card.

Resizing pictures

This function enables you to change the file size of the selected picture to 640 × 480 or 320 × 240 and store it separately as a new picture. Use this function when you want to reduce the volume of image data, such as when attaching a picture to e-mail.

- 1** Press  with the lens barrier closed.

The monitor turns on.

- 2** Press   to select the picture you want to resize.

- 3** Press , then press .

The mode menu is displayed.

- 4** Press   to select the EDIT tab, then press .



- 5** Press   to select , then press .

- 6** Press   to select one of the following sizes, 640 × 480 or 320 × 240, then press .

After a bar is displayed to show the progress of resizing, the camera returns to the playback mode.




The resized picture is stored as a separate picture from the original one.

To cancel editing mode, select CANCEL and press .



Caution



- You cannot resize movies or images that have been edited on a PC.
- If the size of the selected picture is 640 × 480 or smaller, you cannot select 640 × 480 on the menu.
- If the size of the selected picture is 320 × 240, you cannot select  on the menu.
- You cannot resize pictures stored on a card with a write-protect seal.
- You cannot resize pictures if there is insufficient memory space on the card.

Rotating pictures

Pictures taken with the camera held vertically are displayed horizontally. In this case, you can use this function to display the picture vertically. You can rotate the selected picture 90 degrees clockwise or counterclockwise.

1 Press  with the lens barrier closed.


The monitor turns on.

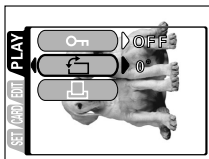
2 Press   to select the picture you want to rotate.

3 Press , then press .

The mode menu is displayed.


4 Press   to select the **PLAY** tab, then press .

5 Press   to select , then press .



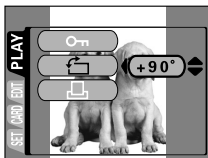
- 6** Press   to select **+90°** or **-90°**, then press .

The picture is rotated, and displayed vertically.

To close the menu, press  twice.

+90° : clockwise

-90° : counterclockwise



Caution

- You cannot rotate pictures taken in SHQ mode, movies, protected pictures or pictures that have been edited on a PC.
- You cannot rotate pictures stored on a card with a write-protect seal.

Creating an index

Movies can be displayed as indexes of still frames. Indexes can be stored as still pictures.




- 1** Press  with the lens barrier closed.

The monitor turns on.

- 2** Press   to select a picture with the  indicator.

- 3** Press , then press .

The mode menu is displayed.


- 4** Press   to select the EDIT tab, then press .



- 5** Press   to select INDEX, then press .



6 Press to select INDEX, then press .

The 9 frames extracted from the movie appear as an index display, then the camera returns to the playback mode. The index picture is stored as a new picture. To cancel the index function, select CANCEL and press .



The index is stored as a still picture in a different record mode from the original picture.

Record mode when the movie is shot	Record mode when stored as an index
HQ	SQ1 (1024 × 768 pixels)
SQ	SQ2 (640 × 480 pixels)



Caution


- The frames at the beginning and end of a movie cannot be selected.
- The interval between the frames that are automatically picked out varies depending on the recording time of the movie.
- An index consists of 9 frames.
- You cannot create an index from movies stored on a card with a write-protect seal.
- You cannot create an index if there is insufficient memory space in the internal memory or on the card.

Camera settings

Turning the beep sound off (Beep sound)

You can turn the volume of the beep sound used for button operations or warnings to OFF.

1 Display the top menu in the shooting mode.

- Open the lens barrier.
- Press .


2 Press to select MODE MENU.

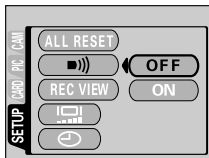
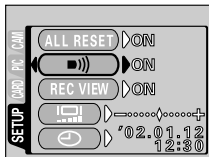
3 Press to select the SETUP tab, then press .

4 Press to select , then press .

5 Press to select OFF.

The beep sound turns off.

To close the menu, press  twice.



- The beep sound setting remains even when the lens barrier is closed.
- The beep sound can also be turned ON and OFF from the playback mode.

Formatting (Card setup/Memory setup)


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



Caution

- All existing data, including protected data is erased when the card or the internal memory is formatted. Once erased, pictures cannot be restored, so make sure that you do not erase important data.
- To format the internal memory, do not insert the card.
- To format the card, insert the card before starting formatting.

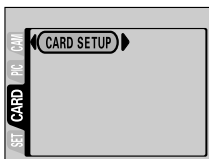
1 Display the top menu in the shooting mode.

- Open the lens barrier.
- Press .

2 Press to select MODE MENU.

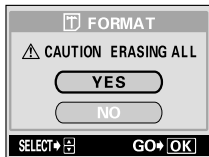
3 Press to select CARD tab, then press .

4 Press .



When formatting a card

5 Press to select YES, then press .



When formatting a card



Formatting can also be executed from the playback mode.





Caution

- Never open the card cover or remove the batteries during formatting as this may cause malfunction of the card.
- Never connect or disconnect the AC adapter during formatting as this may cause malfunction of the card.
- Cards with a write-protect seal cannot be formatted. Remove the seal before formatting the card. Do not reuse the removed seal.

Copying pictures to the card (Memory backup)

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

1 Display the top menu in the playback mode.

- Press  with the lens barrier closed.
- Press .

2 Press to select MODE MENU.

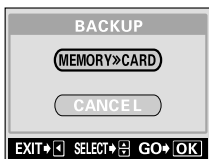
3 Press to select the CARD tab, then press .

4 Press to select BACKUP, then press .



5 Press to select MEMORY >> CARD, then press .

All image data stored in the internal memory is copied to the card.



Caution

- Never open the card cover, remove the batteries, or connect or disconnect the AC adapter during copying as this may cause malfunction of the card.
- If the battery power runs out during copying, the image data may be lost or damaged. You are recommended to use the AC adapter.
- Cards with a write-protect seal cannot be used. Remove the seal before copying to the card. Do not reuse the removed seal.

Viewing a picture immediately after shooting (Rec View)


You can view the picture you have just taken on the monitor for 3 seconds while it is being recorded.

Rec View settings

ON : The picture being recorded is displayed on the monitor. This is useful for a brief check of the picture you have just taken. Pressing the shutter button halfway during Rec View lets you resume shooting immediately.

OFF : The picture just taken is not displayed. This is useful when you want to prepare for your next shot while the previous picture is being recorded.

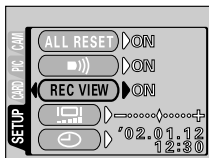
1 Display the top menu in the shooting mode.

- Open the lens barrier.
- Press .

2 Press to select MODE MENU.


3 Press to select the SETUP tab, then press .

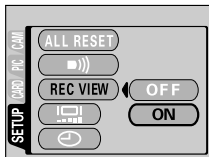
4 Press to select REC VIEW, then press .



5 Press to select ON.

Rec View is set.

To close the menu, press  twice.



The Rec View setting remains even when the lens barrier is closed.

Saving the settings (All Reset)


This function lets you choose whether or not the camera saves its current settings when the power is turned off. For settings to be saved, see “Functions that All Reset affects” (▶ p.79).

All Reset settings

ON : All settings are returned to the factory default settings when the power is turned off.

OFF : The settings made just before the power is turned off are saved.

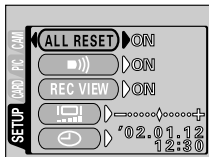
1 Display the top menu in the shooting mode.

- Open the lens barrier.
- Press .


2 Press to select MODE MENU.

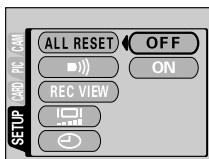
3 Press to select the SETUP tab, then press .

4 Press to select ALL RESET, then press .



5 Press to select OFF.



To close the menu, press  twice.



Note

- The settings in the SETUP menu remain even when the power is turned off.
- If the camera is left for about 1 hour with the batteries removed, all the internal settings will revert to the factory default settings.
- All Reset can also be set from the playback mode.



Functions that All Reset affects

Function	Factory default setting	Ref. page
Monitor	OFF	p.17
DRIVE	Single-frame shooting (for still pictures)	p.29
FLASH	AUTO	p.33
	±0	p.40
METERING	ESP	p.42
WB	AUTO	p.44
	HQ (1600 × 1200 pixels)	p.46



Displaying shooting information

This function lets you display detailed shooting information on the monitor for 3 seconds in the playback mode. For details of the information that can be displayed, see “Monitor indications” (👉 p.8).

1 Display the top menu in the playback mode.

- Press  with the lens barrier closed.
- Press .

2 Pressing displays the full amount of shooting information on the monitor (ON).

To turn INFO off, press  to bring up the top menu and press .






When INFO is OFF



When INFO is ON




- ,  and  are displayed regardless of whether INFO is set to ON or OFF.
- The file number when using a printing service other than DPOF is displayed when INFO is set to ON. “How to print pictures” (👉 p.83)

Adjusting the monitor brightness

You can adjust the brightness of the monitor according to the surrounding conditions to make it easier to see.

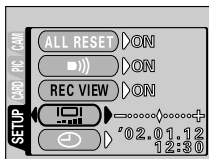
1 Display the top menu in the shooting mode.

- Open the lens barrier.
- Press .



2 Press to select MODE MENU.

3 Press to select the SETUP tab, then press .

4 Press to select , then press .




5 Press to adjust the brightness while observing the monitor.

Pressing  brightens the monitor, and pressing  darkens it.



6 Press .

The monitor brightness is set.

To close the menu, press  again.

Note

- The monitor brightness setting remains even when the lens barrier is closed.
- The monitor brightness can also be set from the playback mode.

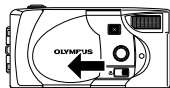
Pixel Mapping

The Pixel Mapping feature allows the camera to check a CCD and image processing circuit automatically.

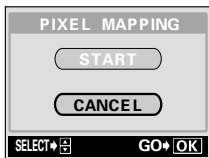
It is not necessary to operate this function frequently. Approximately once a year is recommended. Wait a few minutes after the monitor is used or continuous shots are taken to allow for proper performance of the Pixel Mapping function.

1 While pressing and at the same time, open the lens barrier.

Hold the buttons until the monitor turns on.



2 Press to select START, then press .



When 10 seconds have passed with the PIXEL MAPPING screen displayed, the camera automatically returns to the shooting mode.



Caution

- Do not remove the batteries or disconnect the AC adapter while Pixel Mapping is in progress as this may cause a malfunction.
- If the power is turned off during Pixel Mapping, start again from Step 1.

Print settings

How to print pictures

When you want to print out pictures, perform print reservation. Several different printing options are available:

Printing at a photo lab that supports DPOF or printing on a DPOF compatible printer

Print reservation allows you to save printing data (number of prints, date printed on pictures, etc.) with the pictures stored on the card.

What is DPOF?

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

By specifying which pictures are to be printed, the pictures can be printed easily by DPOF-compatible printing service labs or on a personal DPOF-compatible printer.

Printing on an Olympus CAMEDIA P-400, P-330N(E) or P-200 digital printer

If you insert a card containing the print reservation data into the printer, printing is possible without using a PC. For more details, refer to the printer's instructions.

Transferring pictures to a PC and printing them from a printer connected to the PC

If you have installed software for displaying JPEG pictures on your PC (internet browser, Paint Shop Pro, Photoshop, etc.), you can print out pictures on a printer connected to the PC. (Printing is also possible using CAMEDIA Master software.) Check your software before printing. For details, refer to the application software's instructions.



- If a card contains DPOF reservations set by another device, entering reservations using this camera may overwrite the previous reservations.
- This camera cannot be directly connected to printers such as the Olympus P-300 digital printer.
- Not all functions may be available on all printers or at all photo labs.
- If you are printing using the P-330N(E), only the first 999 pictures can be printed.
- Print reservation may take considerable time in some cases.

Making a print reservation on the card

By specifying the desired number of prints of each picture on the card and whether or not the date and time are to be printed, you can print out the desired picture according to the print reservation data with a DPOF-compatible printer or at a DPOF photo lab.



Caution

- DPOF reservations set by another device cannot be changed by this camera. Make changes using the original device.
- Print reservation may take considerable time in some cases.
- Print reservation cannot be performed when using a card with a write-protect seal.
- Movies cannot be printed.

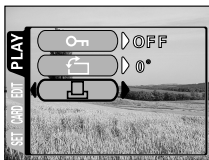
1 Display the top menu in the playback mode.

- Press with the lens barrier closed.
- Press .



2 Press to select MODE MENU.

3 Press to select the PLAY tab, then press .

4 Press to select , then press .




Confirm the print reservation data

If print reservation data is already stored on the card, the  PRINT ORDER SETTING screen appears, giving you the choice of resetting the data or keeping it. If there is no print reservation data, this screen does not appear and you can proceed to the next operation. “Select single-frame or all-frame reservation” ( p.86)

- 5** Press   to select whether to **RESET** or **KEEP** the reservation data, then press .






Selecting RESET clears all previous reservations.



The  PRINT ORDER screen is displayed.





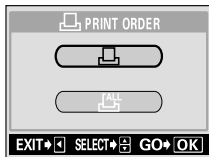
Select single-frame or all-frame reservation

Select whether you want to specify the number of prints for a selected frame, or if you want one print of all the frames.

- 6** Press   to select  (single-frame reservation) or  (all-frame reservation), then press .



If you select , one print is set for each of the frames and the display moves to the date/time print setting. “Set the date/time printing data” ( p.88)

If you select , proceed to “Set the number of prints (only for single-frame reservation)” ( p.87).



Set the number of prints (only for single-frame reservation)


Display the frame to be printed and set the desired number of prints.


- 7** Press   to display the frame to be printed.

If print reservation data has already been stored, the number of prints already set appears.





- 8** Press   to set the number of prints.

 : Increases the number.

 : Decreases the number.

The maximum number of prints you can set is 10. If you set 0, no print reservation is made.



Press  to proceed to the next frame and press  to reset the print reservation of the previous frame.

- 9** Press  after completing all print reservations.

If print reservation data has already been stored, the reservation data for that frame is also stored.

The  screen is displayed.

Set the date/time printing data

You can include the shooting date or time on the print.

10 Press to select **NO**, **DATE** or **TIME**, then press .

The PRINT ORDER screen is displayed.

NO : The pictures are printed without the date and time.

DATE : All the pictures are printed with the shooting date.

TIME : All the pictures are printed with the shooting time.



- If there is insufficient space available on the card, a warning message appears and the menu is closed.
- Press to return to the PRINT ORDER screen.

Confirm the reservation data

Check the number of ordered frames, the total number of prints, and the date/time printing data.

11 Press to select **SAVE**, then press .

The print reservation data is stored on the card and the menu is closed.


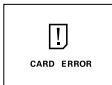


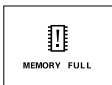
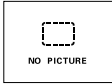
Selecting **CANCEL** clears all the reservations.

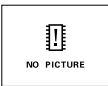
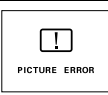



Press to return to the screen.

Troubleshooting

Error codes

Monitor	Possible cause	Corrective action
	The card is not inserted, or it cannot be recognized.	Insert a card, or reinsert the card correctly. Pictures can be stored in the internal memory if no card is inserted.
	Cannot record, play back or erase pictures on this card.	Wipe the gold contacts with a piece of cleaning paper (commercially available) and insert the card again. If the problem is still not corrected, format the card. If the card cannot be formatted, this card cannot be used.
	Writing to the card is prohibited.	If you are taking pictures, remove the write-protect seal attached to the card. For more details, refer to the provided instruction manual for the card.
	There is no empty space on the card, so no more pictures can be taken.	Replace the card or erase unwanted pictures. Before erasing, download important images to a PC.
	There is no empty space on the card, so it cannot record new information such as print reservation data and other functions.	Replace the card or erase unwanted pictures. Before erasing, download important images to a PC.
	There is no empty space in the internal memory, so no more pictures can be taken.	Insert a card and copy the pictures to the card, or erase unwanted pictures.
	There is no empty space in the internal memory, so it cannot record new information such as print reservation data and other functions.	Insert a card or erase unwanted pictures. Before erasing, download important images to a PC.
	There are no pictures on the card.	The card contains no pictures. Record pictures.

 <p>NO PICTURE</p>	<p>There are no pictures in the internal memory.</p>	<p>The internal memory contains no pictures. Record pictures.</p>
 <p>PICTURE ERROR</p>	<p>The selected picture cannot be played back on this camera.</p>	<p>Use image processing software on a PC to view it. If that cannot be done, the image file is partially damaged.</p>
	<p>The card is not formatted.</p>	<p>Format the card.</p>


If an operation does not work


The camera does not turn on or a function buttons do not respond.		
Possible cause	Corrective action	Ref. Page
The power is off.	Open the lens barrier to turn on the camera.	p.17
The batteries are loaded incorrectly.	Reload the batteries correctly.	p.11
The batteries are exhausted.	Replace the batteries with new ones.	p.11
The batteries are temporarily unable to function because of the cold.	The batteries may be too cold. Warm them before using them.	–
The camera has turned off automatically.	Close the lens barrier, then open it again.	p.17
There is condensation* inside the camera.	Wait until the camera dries before turning it on again.	–
The camera is connected to a PC.	The camera will not operate while it is connected to a PC.	–




*Condensation: When it is cold outside, the water vapor in the air is rapidly cooled and turns to droplets of water.

No picture is taken when the shutter button is pressed.		
Possible cause	Corrective action	Ref. Page
The lens barrier is closed.	Open the lens barrier.	p.29
The power is off.	Open the lens barrier.	p.17
The flash has not finished charging.	Release your finger from the shutter button. When the green lamp stops blinking, resume shooting.	p.33
The movie just taken is being written to the card.	Release your finger from the shutter button. When the green lamp stops blinking, resume shooting.	p.9, p.32
The internal memory or card is full.	Erase unwanted pictures or insert a new card. Before erasing, download important images to a PC.	p.61, p.76

The batteries ran out of power during shooting or while the images were being written to the card. (Only the battery check indicator blinks.)	Replace the batteries with new ones. If the green lamp is blinking, wait until it stops.	p.9
The memory gauge is full.	Wait until there is room in the memory gauge.	p.9
A write-protect seal is attached to the card.	Insert a new card or remove the write-protect seal.	p.14
There is a problem with the card.	Refer to "Error codes".	p.89

The flash does not fire.		
Possible cause	Corrective action	Ref. Page
The flash is set to the flash-off mode.	Select a flash mode other than flash-off.	p.33
The subject is illuminated.	If you want the flash to fire, set the flash to fill-in mode.	p.33
Sequential shooting or movie mode is set.	The flash does not fire in sequential shooting or movie mode. Set  in the DRIVE menu.	p.32, p.39
Panorama mode is set.	The flash does not fire in panorama mode. Close the lens barrier, then open it again.	p.49

The monitor is not clear.		
Possible cause	Corrective action	Ref. Page
The brightness is not adjusted properly.	Select  in the mode menu and then adjust the brightness.	p.81
The monitor is exposed to direct sunlight.	Block the sunlight with your hand.	-

Pictures you have already taken do not appear on the monitor.		
Possible cause	Corrective action	Ref. Page
The power is off.	Close the lens barrier, then press  to turn the monitor on.	p.17, p.54
The camera is in the shooting mode.	Press  quickly twice, or close the lens barrier and then press  to switch to the playback mode.	p.54

There are no pictures in the internal memory or on the card.	Record pictures.	–
There is a problem with the card.	Refer to the “Error codes”.	p.89

The date/time recorded with the image data is wrong.

Possible cause	Corrective action	Ref. Page
The date/time is not set.	Set the date/time. The clock adjustment is not factory-preset.	p.19
The batteries are exhausted.	When the batteries run out, the date/time setting is canceled. Replace the batteries with new ones and set the date/time again.	p.11, p.19
The camera has been left with the batteries removed.	If the camera is left for several hours with the batteries removed, the date/time setting is canceled. Set the date/time again.	p.11, p.19

Erasure, protection, print reservation and card formatting cannot be performed.

Possible cause	Corrective action	Ref. Page
A write-protect seal is attached to the card.	Remove the seal before using the card. Do not reuse the write-protect seal.	p.14

The settings performed are returned to the factory default settings.

Possible cause	Corrective action	Ref. Page
All Reset was set to ON.	Set All Reset in the mode menu to OFF.	p.78

If the image quality is poor

The picture is too bright.

Possible cause	Corrective action	Ref. Page
The flash was set to the fill-in flash mode.	Select a flash mode other than fill-in flash.	p.33
The subject was excessively illuminated.	Adjust the exposure compensation toward minus (-), or change the camera position toward the subject.	p.40

The picture is too dark.		
Possible cause	Corrective action	Ref. Page
The flash was blocked by a finger.	Hold the camera correctly, keeping your fingers away from the flash.	p.28
The subject was out of the working range of the flash.	Shoot within the flash working range.	p.33
The flash was set to the flash off mode.	Select a flash mode other than flash off.	p.33
The subject was too small and was backlit.	Set the flash to fill-in mode, or use the spot metering mode.	p.33, p.42
The sequential shooting mode was used.	Higher shutter speeds are used when the sequential shooting mode is selected which may result in pictures that are darker than usual. Select <input type="checkbox"/> in the DRIVE menu.	p.39

The colors of pictures taken indoors look unnatural.		
Possible cause	Corrective action	Ref. Page
Indoor lighting can affect the picture's colors.	Set the white balance according to the lighting.	p.44
There is no white in the subject.	Try to include something white in the picture, or shoot using the fill-in flash mode.	p.34
The white balance setting is wrong.	Adjust the white balance to the light source.	p.44

The picture has obscured edge(s).		
Possible cause	Corrective action	Ref. Page
The lens was partly blocked by a finger or the strap.	Hold the camera correctly, keeping your fingers and the strap away from the lens.	p.28
The subject was too close.	Check the actual picture area on the monitor before taking the picture.	p.30
The lens was dirty.	Clean the lens. Remove dust with a commercially available lens blower and wipe gently with a lens cleaner. If the lens is left dirty, mold may form.	-


The picture is out of focus.		
Possible cause	Corrective action	Ref. Page
The camera moved when the shutter button was pressed.	Hold the camera correctly and press the shutter button gently.	p.28
The subject was too close.	Use the macro mode.	p.37
The flash was set to the flash off mode in a lighting condition requiring use of the flash.	Camera shake occurs easily with slower shutter speeds. Use a tripod, or hold the camera firmly.	—


Specifications

Product type	Digital camera (for shooting and displaying)
Recording system	
Still	Digital recording, JPEG (in accordance with Design rule for Camera File system (DCF)), Digital Print Order Format (DPOF)
Movie	QuickTime Motion JPEG support
Memory	Internal memory (1 MB), SmartMedia (4 MB - 128 MB) *All cards except 2 MB and 5 V.
Recording image resolution	1600 × 1208 pixels (SHQ) 1600 × 1200 pixels (HQ) 1024 × 768 pixels (SQ1) 640 × 480 pixels (SQ2)
No. of storable pictures (When an 8 MB card is used)	Approx. 5 frames (SHQ) Approx. 16 frames (HQ) Approx. 29 frames (SQ1) Approx. 47 frames (SQ2)
No. of effective pixels	1,960,000 pixels
Image pickup device	1/3.2" CCD solid-state image pickup, 2,110,000 pixels (gross)
Lens	Olympus lens 4.5 mm, f4, 5 elements in 5 groups (equivalent to 35 mm lens on 35 mm camera)
Photometric system	Digital ESP metering
Aperture	f4, f8
Shutter speed	1/2 to 1/2000 sec. (Night scene mode: 1 sec.)
Shooting range	0.6 m to ∞ (2 ft to ∞) (normal) 0.25 m to 0.6 m (0.8 ft to 2 ft) (macro mode)
Viewfinder	Optical real image viewfinder (with target mark)
Monitor	1.6" TFT color LCD display, 60,000 pixels
Flash charging time	Approx. 6 sec.
Outer connector	DC-IN jack, USB connector (mini - B)
Automatic calendar system	2000 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	Four AA (R6) alkaline batteries, lithium batteries, NiMH batteries or NiCd batteries Or two lithium CR-V3 battery packs Or AC adapter (optional) * Manganese (zinc-carbon) batteries cannot be used.
Dimensions	124 mm (W) × 65 mm (H) × 44.5 mm (D) (4.9" × 2.6" × 1.6") (excluding protrusions)
Weight	190 g (0.4 lb) (without batteries or card)

Specifications are subject to change without any notice or obligation on the part of the manufacturer.

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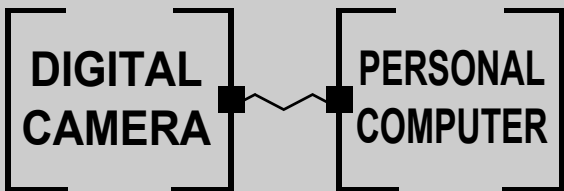
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CAMEDIA



DIGITAL CAMERA — PC CONNECTION
OPERATION MANUAL

How to use your PC to get the most from images taken with your digital camera.

- Thank you for purchasing an Olympus digital camera.
- This manual provides instructions on how to install the USB driver. To ensure correct installation, refer only to these installation procedures.

Introduction

This manual explains in detail how to connect your Olympus digital camera to a computer. Read it carefully and keep it in a safe place for future reference.

About this manual

- The information contained in this manual may be subject to change without notice. For the latest information on the product, please consult your local Olympus representative.
- The information contained in this manual has been compiled by taking all possible measures to ensure its accuracy. However, if you find any errors or incomplete information, please contact your local Olympus representative.
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- The PC screens shown in this manual may differ slightly from the actual displays on some PC models.

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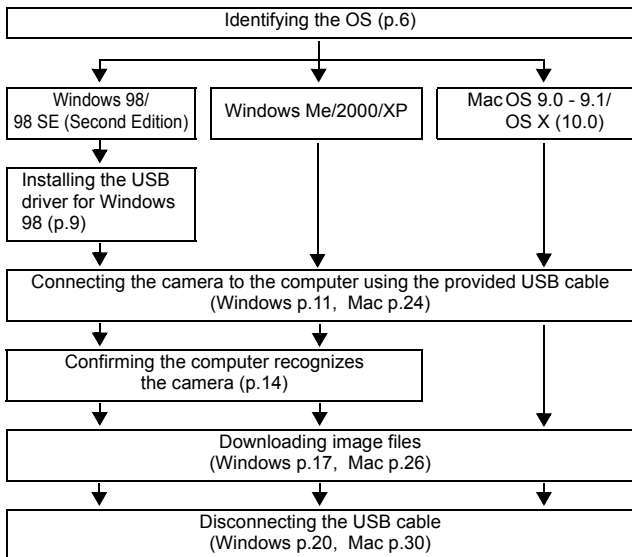
**Downloading image files using other OS
(For other OS users). 31**

Windows

Macintosh

Flowchart

By connecting the camera to a computer with the provided USB cable, images on a card can be transferred to the computer. Some OS's (operating systems) may need a special setup before connecting to the camera for the first time. Follow the chart below.



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

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



- When connecting the camera to the computer, make sure that there is sufficient remaining battery power. When connected (transmitting) to the computer, the camera does not enter the sleep mode nor will the camera's power turn off automatically. Depending on the camera model, when the battery power runs out or the internal temperature rises, the camera may stop operating automatically. This could cause the computer to malfunction, and any image data (file) being transmitted may be lost. Be careful when downloading files for a long period of time. Use the AC adapter (optional) when downloading files.
- If you connect or disconnect the AC adapter when the camera is connected to the computer and is running on battery power, it may result in the loss of image data on the card or cause a malfunction in the computer. Before connecting or disconnecting the AC adapter, disconnect the camera from the computer and make sure that the camera is turned off.
- To avoid computer malfunctions, do not turn off the camera when the camera is connected to a computer.
- If the camera is connected to the computer via a USB hub, operation may not be stable if there are any compatibility problems between the computer and the hub. In such cases, do not use the hub and connect the camera directly to the computer.



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

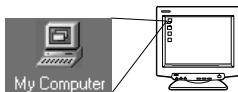
Identifying the OS

Identify the OS on your computer before connecting the camera. How to identify the OS depends on the computer.

● Windows

- 1** Double-click the “My Computer” icon on your desktop.

When the “My computer” icon is not on your desktop, click “Control Panel” from the “Start” menu.



- 2** Double-click the “Control Panel” icon.



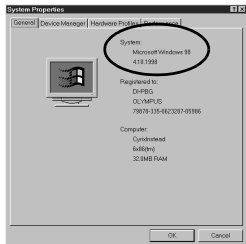
- 3** Double-click the “System” icon.



The way the file icons inside the folder appear may vary depending on your version of Windows. If you don't see the icon you are looking for, click on “view all Control Panel options” on the left of the window.

4 A System Properties window will appear. Note and record the “System:” information.

Confirm that your system is Windows 98, 98 SE, Me, 2000 Professional or Windows XP, then press “OK” to close the window.



If your OS is Windows 98/98 SE, proceed to “Installing the USB driver for Windows 98” (👉 p.9).

Users running Windows Me/2000/XP 👉 p.11

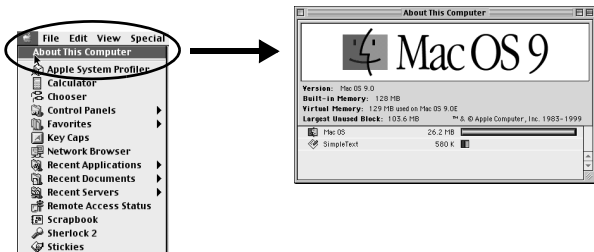
Users running other OS 👉 p.31

● Mac OS (Macintosh)

Select “About This Computer” from the Apple menu on the menu bar.

A window appears with the name of the computer’s OS.

Confirm that the OS is OS 9.0-9.1 or OS X.



Users running Mac OS 9/X 👉 p.23

Users running other OS 👉 p.31

Windows

Using Windows 98/Me/2000/XP

Make sure that:

- Your computer is turned on and Windows is running.
- If you are running any applications, quit them all.
- You are recommended to power the camera using the optional AC adapter. If the battery power runs out while the computer is accessing the card in the camera, the camera will turn off in the middle of the operation and this could destroy image files (data). If you are using batteries, make sure that there is sufficient remaining battery power.

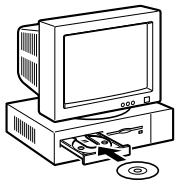
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Installing the USB driver for Windows 98 (When using Windows 98/98 SE)

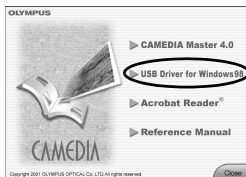
If your OS is Windows 98/98 SE, you must install the USB driver. Follow the instructions below to install the USB driver in your computer. Once it is fully installed, you do not need to repeat the procedure again.

If your OS is Windows Me/2000/XP, skip the procedure below as the USB driver will be automatically installed. Proceed to “Connecting the camera to the computer” (👉 p.11).

- 1** Insert the provided software CD into your CD-ROM drive.



- 2** The Olympus Windows Installer should automatically launch. Click “USB driver for Windows 98”.



If the installer is not automatically launched, select “Run..” on the “Start” menu and then execute “(drive letter):/ Information.exe”.

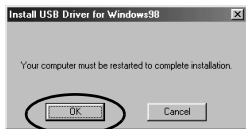


The drive letter of the CD-ROM varies depending on the computer.
To identify the drive letter, double-click “My Computer” on the desktop.

- 3** Click “Continue”. The installation of the USB driver will start.



- 4** Click “OK” to restart your computer and the installation is complete.

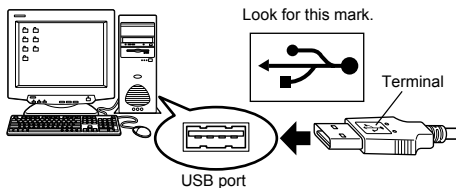


- 5** When the computer has restarted, installation is complete. If the Olympus Windows Installer screen appears, click “Close” and remove the CD-ROM from the CD-ROM drive.

Connecting the camera to the computer

Users running Windows 98/98SE need to install the USB drive before connecting the camera to your computer for the first time. (☞ p.9)

- 1** Insert the marked end of the provided USB cable into the USB port on your computer as shown below.



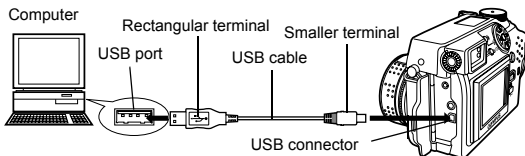
Note

The location of the USB port varies depending on the computer. For details, refer to your computer's manual.

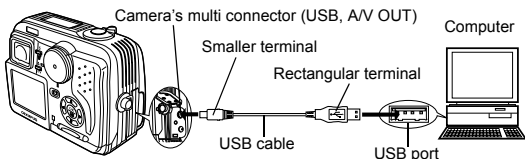
- 2** After making sure that the camera is turned off, connect the end of the USB cable to the USB connector on the camera.

The location of the USB connector or multi connector varies depending on the camera model. Refer to the camera manual for details.

Camera with a USB connector




Camera with a multi connector

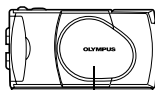


3 Turn the camera on.

● Camera with a lens barrier


The power turns on automatically, with the exception of some models which require you to press the  (monitor) button.

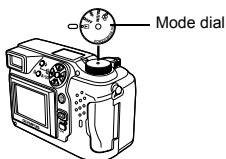
When the camera is turned on, the lamp on the right of the viewfinder lights up.




Lens barrier

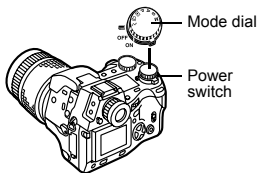
● Camera with a mode

Set the mode dial to . (If the camera has a power switch as well as a mode dial, turn the power switch to ON.)



● Camera with a mode (Camera setup/connection mode)

Set the mode dial to  to turn the camera on.



4 The computer recognizes the camera as a new device.

When you connect the camera to the computer for the first time, the computer automatically recognizes the camera. Click "OK" when the message saying that the installation is completed appears. The computer recognizes the camera as a "Removable Disk".

● Windows XP

You can download image files from the camera easily. Select "Copy pictures to folder on my computer using Microsoft Scanner and Camera Wizard", then follow the on-screen instructions. You may also select "take no action" to bypass the Microsoft Scanner and Camera Wizard. You may then use a more advanced image viewing/editing program such as Olympus CAMEDIA Master software. For detailed instructions on downloading, refer to the CAMEDIA Master software user's guide.

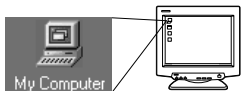


When the camera is connected to the computer, none of the camera buttons are functional.

Confirming the computer recognizes the camera

1 Double-click the “My Computer” icon on the desktop.

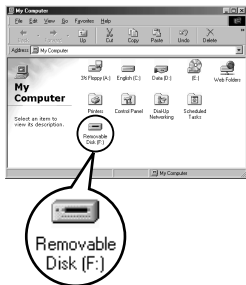
For users running Windows XP, click “My Computer” from the “Start” menu.



2 Make sure the “Removable Disk” icon appears in the window.

There may already be other “Removable Disk” icons for other devices, such as a removable media drive or USB SmartMedia Reader/Writer. In this case, the digital camera is recognized as another “Removable Disk”.

If you cannot find the icon, the camera and computer are not connected properly. Turn the camera off, disconnect the camera from the computer and connect again, or proceed to “Confirming the USB driver is installed” (☞ p.15) to make sure that the USB driver is fully installed.



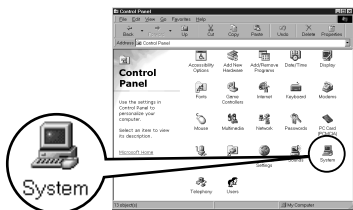
Confirming the USB driver is installed

If the computer does not recognize the camera as a Removable Disk, follow the procedure below to check whether the USB driver has been fully installed.

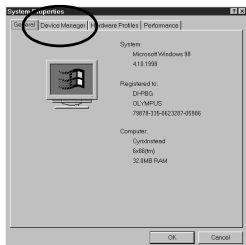
- 1** Open “My Computer” and double-click the “Control Panel” icon.
For users running Windows XP, open “Control Panel” from the “Start” menu.



- 2** Double-click the “System” icon.



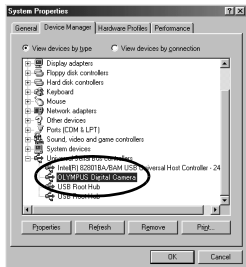
- 3** The System window will appear. Click the “Device Manager” tab.



4 Confirm that “OLYMPUS Digital Camera” is in the “Universal Serial Bus Controller” category.

If you cannot find the “OLYMPUS Digital Camera”, turn the camera off, disconnect the camera from the computer and start again.

Users running Windows 98/98 SE start again from “Confirming the USB driver is installed”, and Users running Window Me/2000/XP start from “Connecting the camera to the computer”.



Note

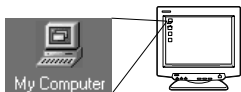
If the USB driver was successfully installed, you can find the following in the “Device Manager”.

- the name of the camera you have connected listed under “Disk drives”
- “OLYMPUS Digital Camera” listed as one of the items in the “Universal Serial Bus Controller” category

Downloading images to your computer

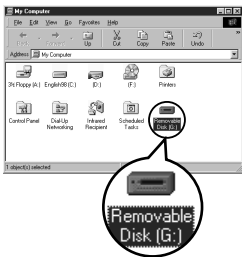
1 Double-click the “My Computer” icon on the desktop.

For users running Windows XP, click “Control Panel” from the “Start” menu.



2 Double-click the “Removable Disk” icon.

A new “Removable Disk” icon appears when the camera is connected to the computer, as the digital camera is recognized as a “Removable Disk”.

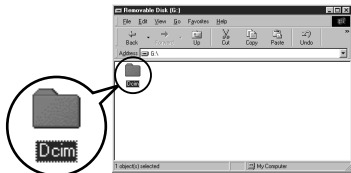


Note

If an error message appears when you double-click the icon, there may be a problem with one of the following:

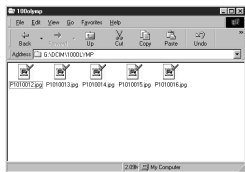
- ① the camera's power source (the AC adapter is not properly connected or the battery power is low)
Make sure that the AC adapter is correctly connected or that the batteries are not running low.
- ② the card (there is no card in the camera or there is a problem with the card)
Check that you can play back pictures stored on the card on the monitor of your digital camera.

3 Double-click the “Dcim” folder.



4 Double-click the “100olymp” folder.

Image files (JPEG files) with file names such as “P1010001.jpg” are displayed.



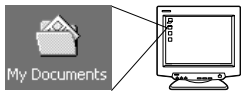
- The camera automatically assigns folder names and file names according to the following rules.

Folder name	File name
(Example) 100olymp	(Example) P1010001.jpg
↓	↓ ↓ ↓
Serial number	Month / Day / Serial number

- Serial numbers of image files run from 0001 to 9999.
- Serial numbers of folders run from 100 to 999.
- When file number 9999 is reached, a new folder is created and assigned the next number.
- Months January through September are expressed by the numbers 1 through 9, October by the letter A, November by B and December by C.

5 Double-click the “My Documents” icon on the desktop.

If you cannot find the icon on the desktop, select “Explorer” on the Start menu and double-click the “My Documents” icon.

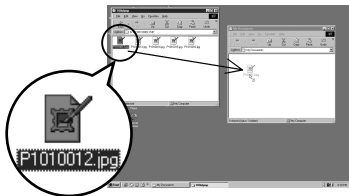


The “My Documents” window is displayed.



- 6** Drag & drop the image you want to save in the computer (in this case, P1010012.jpg) to the “My Documents” window.

The image is saved in the computer (in My Documents folder).



- To select all files, choose Edit > Select all.



When the image file has been downloaded to the computer, you can view images by double-clicking the image files downloaded to your computer. The files will be opened in the default image viewer of the operating system. If you want to view the image a different size or process it, you will need to open the image with software that supports JPEG or TIFF images files, such as Paint Shop Pro, Photoshop or CAMEDIA Master software.



Caution

The lamp on the right of the viewfinder or the card access lamp blinks while the image is being copied. Never open the card cover on the camera, load or remove the batteries, or connect or disconnect the AC adapter while the lamp is blinking as the image files may be destroyed.

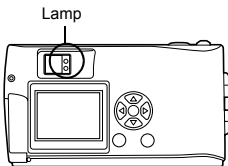
Disconnecting the camera from your computer

If your OS is Windows Me/2000, proceed to “Windows Me/2000/XP” (p.21).

● Windows 98

- 1 Make sure that the lamp on the right of the viewfinder or the card access lamp is not blinking.**

Some camera models have either a lamp on the right of the viewfinder or a card access lamp, and the location varies depending on the model. Refer to your camera's reference manual.



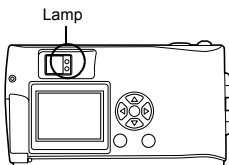
- 2 Double-click the “My Computer” icon and right-click the “Removable Disk” to display the menu.**



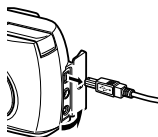
- 3 Click “Eject” on the menu.**



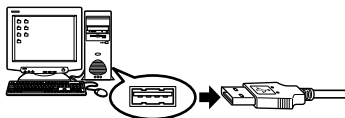
- 4** Make sure that the lamp on the right of the viewfinder or the card access lamp is not blinking.



- 5** Remove the USB cable from the camera.



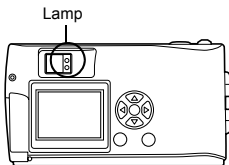
- 6** Remove the USB cable from your computer.



● Windows Me/2000/XP

- 1** Make sure that the lamp on the right of the viewfinder or the card access lamp is not blinking.

Some camera models have either a lamp on the right of the viewfinder or a card access lamp, and the location varies depending on the model. Refer to your camera's reference manual.

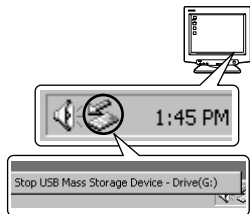


- 2** Click the  “Unplug or Eject Hardware” icon on the task bar.

The message saying that the drive has been stopped appears.

- 3** Click on the message.

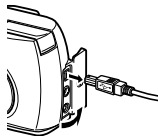
The “Unplug or Eject Hardware” window appears.



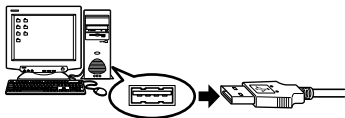
- 4** When a message appears, click “OK”.



- 5** Remove the USB cable from the camera.

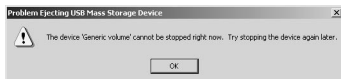


- 6** Remove the USB cable from your computer.



Caution

If the window returns the following message when you click “Unplug or Eject Hardware”, first make sure that no image data is being downloaded from the camera, and then remove the USB cable.



Macintosh

Using Mac OS (9/X)

Make sure that:

- Your computer is turned on and Mac OS is running.
- If you are running any applications, quit them all.
- You are recommended to power the camera using the optional AC adapter. If the battery power runs out while the computer is accessing the card in the camera, the camera will turn off in the middle of the operation and this could destroy image files (data). If you are using batteries, make sure that there is sufficient remaining battery power.

If you are running Mac OS X, the connection to the computer and downloading the image data are verified. Restrictions such as the following may occur due to the OS.

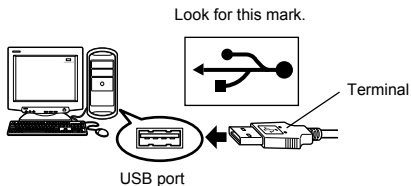
- The image file properties are not displayed correctly.
- Images in the camera cannot be opened without first downloading them. etc.

For more details, visit the Olympus web site.

Connecting the camera to the computer	24
Downloading images to your computer.....	26
Disconnecting the camera from your computer	30

Connecting the camera to the computer

- 1** Insert the marked end of the USB cable into the USB port on your computer as shown below.

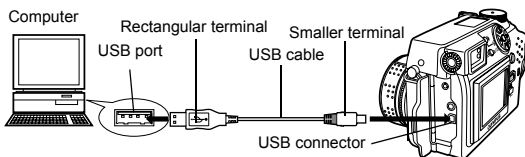


The location of the USB port varies depending on the computer. For details, refer to your computer's manual.

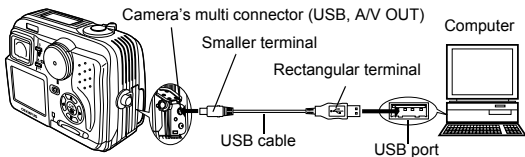
- 2** After making sure that the camera is turned off, connect the end of the USB cable to the USB connector on the camera.

The location of the USB connector or multi connector varies depending on the camera model. Refer to the camera manual for details.

Camera with a USB connector




Camera with a multi connector

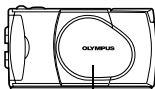


3 Turn the camera on.

- **Camera with a lens barrier**


The power turns on automatically, with the exception of some models which require you to press the  (monitor) button.

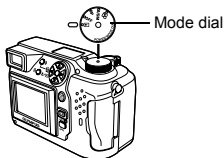
When the camera is turned on, the green lamp on the right of the viewfinder lights up.





Lens barrier

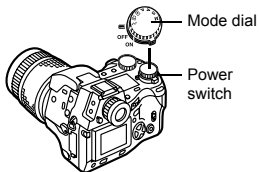
- **Camera with a  mode**

Set the mode dial to . (If the camera has a power switch as well as a mode dial, turn the power switch to ON.)



- **Camera with a  mode (Camera setup/connection mode)**

Set the mode dial to  to turn the camera on.




4 The computer recognizes the camera as a new device.

The computer recognizes the camera automatically and an “Untitled” icon appears on the desktop.

If you cannot find this icon, turn off the camera and connect again.



- **Mac OS X**

When the computer has recognized the camera, the Apple Image Capture software automatically launches.  p.29



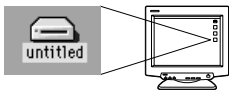
When the camera is connected to the computer, none of the camera buttons are functional.

Downloading images to your computer

● Mac OS 9

You can download images from the camera and save them in your computer (in this case, in the Hard Disk).

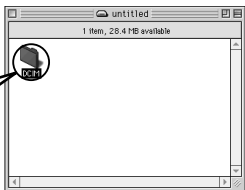
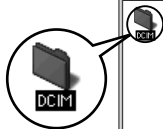
- 1 Double-click the “Untitled” icon displayed on the desktop when the camera is connected to the computer.**



If you cannot find this icon, or if an error message appears when you double-click the icon, there may be a problem with one of the following:

- ① the camera's power source (the AC adapter is not properly connected or the battery power is low)
- ② the card (there is no card in the camera or there is a problem with the card)
Check that you can play back pictures on the monitor of your camera.
- ③ the USB cable (the camera is not properly connected to the computer by the USB cable).
- ④ Apple “File Exchange” extension is not enabled.
 - Please refer to your Apple operating system manual for instructions on how to enable this extension.

- 2 Double-click the “Dcim” folder.**



- 3 Double-click the “100OLYMP” folder.**

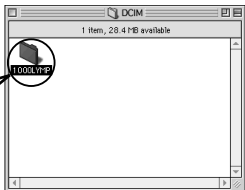
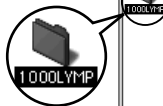
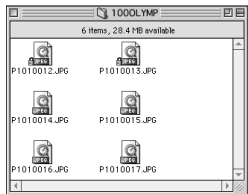
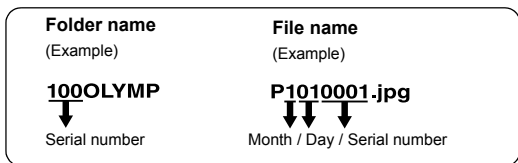


Image files (JPEG files) with files names such as “P1010001.JPG” are displayed.

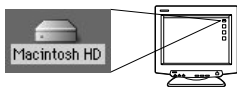


- The camera automatically assigns folder names and file names according to the following rules.

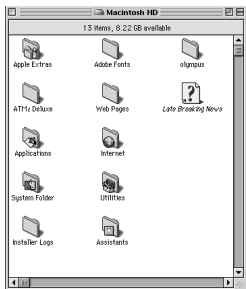


- Serial numbers of image files run from 0001 to 9999.
- Serial numbers of folders run from 100 to 999.
- When file number 9999 is reached, a new folder is created and assigned the next number.
- Months January through September are expressed by the numbers 1 through 9, October by the letter A, November by B and December by C.

- 4** Double-click the “Macintosh HD” icon on the desktop.



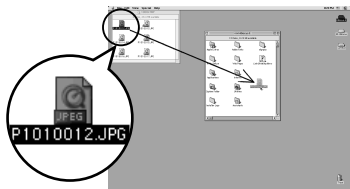
The “Hard Disk” window is displayed.



- 5** Drag & drop the image you want to save in the computer (in this case, P1010012.JPG) to the “Hard Disk” window.

The image is saved in the computer (in the Hard disk).

- To select all images, click Edit > Select all.



When the image file has been copied to the computer, you can view images by double-clicking the image files in the “Hard Disk” folder. The files will be opened in the default image viewer of the operating system. If you want to view the image a different size or process it, you will need to open the image with software that supports JPEG or TIFF images files, such as Paint Shop Pro, Photoshop or CAMEDIA Master software.



The lamp on the right of the viewfinder or the card access lamp blinks while the image is being copied. Never open the card cover on the camera, load or remove the batteries, or connect or disconnect the AC adapter while the lamp is blinking as the image files may be destroyed.

● Mac OS X

Malfunctions such as the following may occur due to the OS.

- If the camera is not connected correctly, a malfunction occurs in the computer.
- Date and time information of image files is not accurately displayed.
- If the card cover of the camera is opened while connecting to the computer, the “untitled” icon does not disappear from the desktop. etc.

When the computer has recognized the camera, the Apple Image Capture software dialog appears.

1 From the “Download To” menu, select a destination folder.

2 To download all images, click “Download All”.

To selectively download images, click “Download Some” and highlight the desired images.



The images are transferred from the camera to your computer.



If you are operating Mac OS X and you want to download images using the same procedure as for Mac OS 9, select “File > Close” and exit the Apple Image Capture software. At this time, the camera is indicated as “unlabeled”.

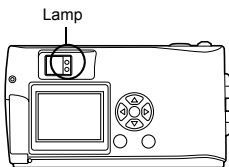


Caution

If you use the Apple Image Capture software, images downloaded to your computer and transferred back to a card may not play back on the camera or may have other problems.

Disconnecting the camera from your computer

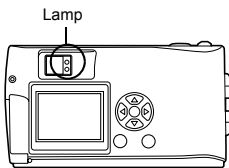
- 1** Make sure that the lamp on the right of the viewfinder or the card access lamp is not blinking.



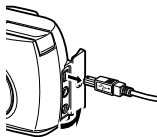
- 2** Drag the "untitled" icon on the desktop to "Trash".



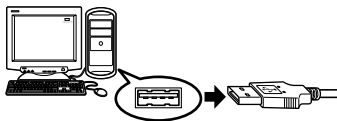
- 3** Make sure that the lamp on the right of the viewfinder or the card access lamp is off.



- 4** Remove the USB cable from the camera.



- 5** Remove the USB cable from your computer.

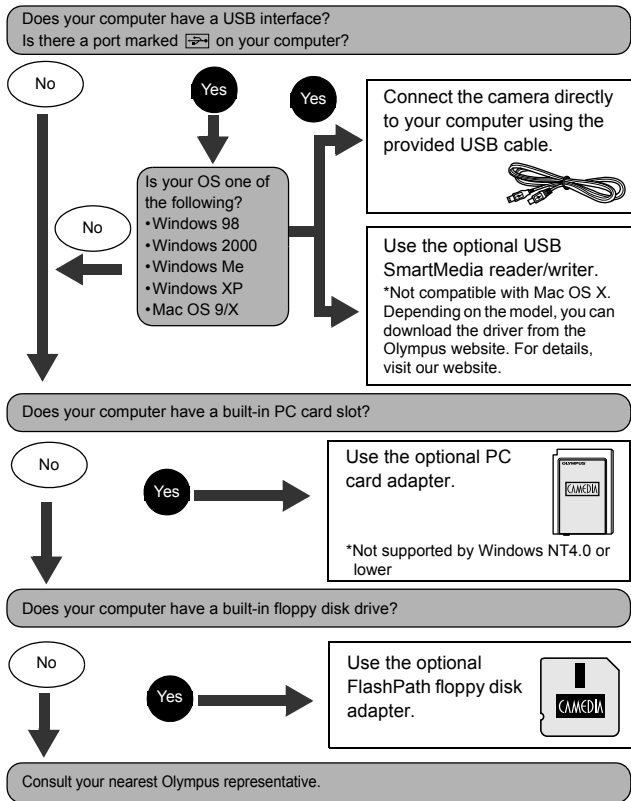


Downloading image files using other OS (For other OS users)

Users running other OS cannot connect the camera directly to a computer.

● **Windows 95** ● **Windows NT** ● **Mac OS before OS 9**

You can download images directly to your computer using an optional floppy disk adapter or PC card adapter.



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Adobe software updates and technical information can be obtained at:
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