



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for OLYMPUS E-450. You'll find the answers to all your questions on the OLYMPUS E-450 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual OLYMPUS E-450
User guide OLYMPUS E-450
Operating instructions OLYMPUS E-450
Instructions for use OLYMPUS E-450
Instruction manual OLYMPUS E-450

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

OLYMPUS IMAGING EUROPA GMBH

Premises: Wendenstrasse 14 – 18, 20097 Hamburg, Germany
Tel.: +49 40 - 23 77 3-0 / Fax: +49 40 - 23 07 61
Goods delivery: Bredowstrasse 20, 22113 Hamburg, Germany
Letters: Postfach 10 49 08, 20034 Hamburg, Germany

European Technical Customer Support:
Please visit our homepage <http://www.olympus-europa.com>
or call our TOLL FREE NUMBER*: 00800 - 67 10 83 00

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CHARGED NUMBERS: +49 180 5 - 67 10 83 or +49 40 - 237 73 48 99.
Our Technical Customer Support is available from 9 am to 6 pm MET (Monday to Friday).

Authorized Distributors

<p>United Kingdom: Olympus Service Department P.O. Box 222 Southall Middlesex UB2 4SH Tel.: (0207) 2530513</p> <p>Egypt: Optoscient M. Nagui & Co 10, 26th July St., Cairo Tel.: +20 2 391 4883</p>	<p>South Africa: City Square Trading 197 (PTY) Ltd. Unit A, The Meadows Meadowbrooke Business Estate Jacaranda Avenue, Olivedale Ext. 17 Johannesburg. Tel.: +27 11 7042021</p>
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E-450 INSTRUCTION MANUAL

OLYMPUS

DIGITAL CAMERA

E-450

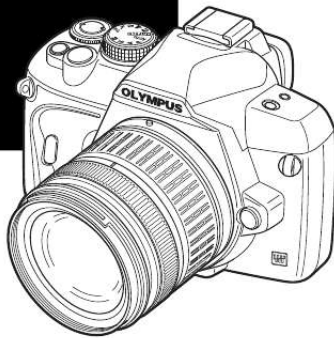
INSTRUCTION MANUAL

OLYMPUS

Basic guide P. 2
Review the camera part names and the basic steps for shooting and playback.

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EN



- 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.
- The screen and camera illustrations shown in this manual were produced during the development stages and may differ from the actual product.
- The contents in this manual are based on firmware version 1.0 for this camera. If there are addition and/or modification of functions due to firmware update for the camera, the contents will differ. For the latest information, please visit the Olympus website.

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Manual abstract:

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EN Authorized Distributors United Kingdom: /Eire Olympus Service Department P.O. Box 222 Southall Middlesex UB2 4SH Tel.: (0207) 2530513 South
Africa: City Square Trading 197 (PTY) Ltd. Unit A, The Meadows Meadowbrooke Business Estate Jacaranda Avenue, Olivedale Ext. 17 Johannesburg, Tel.:
+27 11 7042021 Egypt: Optoscient M. Nagui & Co 10.

26th July St., Cairo Tel.: +20 2 391 4883 © 2009 Printed in Germany · OIME · 4/2009 · Hab. · E0462319 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. The screen and camera illustrations shown in this manual were produced during the development stages and may differ from the actual product.

The contents in this manual are based on firmware version 1.0 for this camera.

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

(gP. 44) Allows you to set the aperture and shutter speed manually. (gP. 45) Easy shooting modes · Select according to the shooting scene. The camera sets
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· When rotating the mode dial or turning off the power in the easy shooting modes, functions with changes made to their settings are restored to the factory
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conditions. When you select a desired filter or scene, the camera optimizes the shooting conditions for that filter or scene. Most of the functions cannot be
changed.

Suitable for shooting a portrait-style image of a person. Suitable for shooting landscapes and other outdoor scenes. Suitable for taking close-up pictures.
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47 White balance gP. 60 White balance compensation gP. 62 Flash intensity control gP. 69 ISO sensitivity gP. 50 9 EN Unpack the box contents The following items are included with the camera. If anything is missing or damaged, contact the dealer from whom you purchased the camera. Camera Body cap Strap BLS-1 Lithium ion battery BCS-1 Lithium ion charger USB cable Video cable Eyepiece cover · OLYMPUS Master 2 CD-ROM · Instruction manual · Warranty card Attaching the strap Thread the eyepiece cover through one end of the strap (1). Thread the strap as indicated by the arrows (2, 3). Lastly, pull the strap tight making sure that it is fastened securely (4). · Attach the other end of the strap to the other eyelet in the same way.

10 EN Preparing the battery Basic guide 1 Charging the battery BLS-1 Lithium ion battery Charging indicator Amber light: Charging in progress Blue light: Charging completed (Charging time: Approx. 3 hours 30 minutes) Amber blinking: Charging error BCS-1 Lithium ion charger AC cable AC wall outlet 2

Loading the battery Battery compartment cover Direction indicating mark Preparations for shooting Battery compartment lock 3 Close the battery compartment cover · Close the battery compartment cover until you hear a click. Battery lock Unloading the battery Press the battery lock to unlock the battery. It is recommended to set aside a backup battery for prolonged shooting in case the battery in use drains. 11 EN Attaching a lens to the camera 1 Remove the body cap from the camera and the rear cap from the lens Rear cap 2 Body cap Attach a lens to the camera Lens attachment mark (Red) Alignment mark (Red) · Align the lens attachment mark (red) on the camera with the alignment mark (red) on the lens, then insert the lens into the camera's body (1). · Rotate the lens in the direction indicated by the arrow until you hear it click (2). · Make sure the power switch is set to OFF. · Do not press the lens release button. 3 Remove the lens cap (3, 4) Lens cap Removing the lens from the camera While pressing the lens release button (1), rotate the lens in the direction of the arrow (2). Lens release button 12 EN Loading the card Basic guide CompactFlash/Microdrive Open the card cover.

Insert the card's contact area into the slot as far as it can go. Card access lamp Connector xD-Picture Card Open the card cover. Insert the card until it is locked into place. Card cover olding the camera Keep your fingers and the strap away from the lens and flash. Horizontal grip Vertical grip Taking a picture while viewing the monitor It is possible to use the LCD monitor as a viewfinder and check the subject's composition, or shoot while viewing an enlarged display on the LCD monitor. g "Using live view" (P. 36) 1 Press the u (live view) button to switch to live view Shutter button · The subject is displayed on the LCD monitor. u button Preparations for shooting P 250 F5.6 38 LN 2 Press the shutter button to take the picture · The picture is taken with the focus adjusted. When the camera stops operating If no operations are performed for approximately 8 seconds while the camera is on, the monitor backlight turns off to save battery power (when the super control panel is lit).

If no operations are performed for approximately one minute thereafter, the camera enters the sleep mode (stand-by) and stops operating. The camera activates again when you touch any button (the shutter button, q button, etc.). g "BACKLIT LCD (Backlight timer)" (P. 86), "SLEEP" (P. 86) 17 EN Playback/Erasing Pressing the q button displays the last picture taken. Playing back images q button Displays the frame that is stored 10 frames back Displays the previous frame Arrow pad Displays the frame that is stored 10 frames ahead Displays the next frame Close-up playback Each time you turn the control dial towards U, the image is incrementally enlarged from 2x to 14x. Control dial Erasing images Play back the image you want to erase and press the S button. Use ac to select [YES] and press the i button to erase. S button ERASE YES NO CANCEL SELECT GO 18 EN Indications used in this manual Basic guide The operation button icons on the body of the camera are used to indicate the operation buttons in this manual.

See "Names of parts and functions" (gP. 2). In this manual, j indicates the control dial. The following symbols are used throughout this manual. Important information on factors which may lead to a malfunction or operational problems.

Also warns of operations that should be absolutely avoided.



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Useful information and hints that will help you get the most out of your camera. Reference pages describing details or related information. x Notes TIPS g To make the most of this manual You can use the "Table of Contents" (P. 20) or "Index" (P. 141) as well as the following reference to search for information on camera functions and operations. Use this manual according to shooting conditions and to find the desired information. For information on the possible shooting functions: g "Shooting guides" (P. 31) For information on how to operate the camera: g "Using the direct buttons" (P. 27) "Using the super control panel" (P. 28) "Using the menu" (P. 29) Functions available during live view: g "Using live view" (P. 36) To search for a function from a list: g "Menu directory" (P. 123) "Index" (P. 141) Preparations for shooting 19 EN Table of Contents Basic guide 2 Identifies the camera part names and describes the basic steps for shooting and playback.

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..... 141 25 EN 1 Basic camera operations There are three basic ways to make function settings with this camera. 1 Using the direct buttons to operate the camera P. 27 You can make the function settings by rotating the control dial while pressing the direct buttons assigned to a function.

1 Basic camera operations 2 Setting while looking at the super control panel P. 28 You can make the function settings with the super control panel on the LCD monitor. You can use the super control panel to view the current settings and directly change the settings. 3 Setting on the menu P. 29 You can use the menu to set shooting and playback settings and customize camera functions.

Descriptions in this manual The operating instructions of the direct buttons, super control panel and menu are described as follows in this manual. · "+" indicates operations performed at the same time. · " " indicates you should proceed to the next step. e.g.

: When setting the flash intensity control Direct button Super control panel Menu #+F i j p: [w] MENU [X] [w] 26 EN Using the direct buttons 1 Press the button for the function you want to set. · The direct menu is displayed. e.g.) Setting Sequential/Self-timer/ Remote control shooting 1 2 Control dial 4 1 Basic camera operations 3 SELECT Direct menu GO 2 Turn the control dial to change the setting. · Press the i button to confirm your setting. Or if you do not operate the control dial within a few seconds, your setting will be confirmed and the super control panel screen will be restored. List of direct buttons The functions assigned to buttons are as shown below. No. 1 2 3 4 2 + 4 TIPS Direct buttons </Y/j F u # F + # Remote control/Self-timer/ Sequential shooting button Exposure compensation button Live view button Flash button Exposure compensation button Function Remote control/Self-timer/ Sequential shooting Exposure compensation Turns live view on or off Pops up the flash and sets flash mode Flash intensity control Ref.

page P. 5558 P. 48 P. 36 P. 66 P. 69 Flash button To assign other functions so they can be set with direct buttons: j You can also assign frequently used functions to the b and </Y/j buttons. g"7 FUNCTION" (P. 85), "j FUNCTION" (P. 85) 27 EN Using the super control panel Select an item on the super control panel and change the setting. 1 Press the INFO button to display the super control panel on the LCD monitor.

· Press the INFO button again to turn off the super control panel. · Press the i button during live view to display the super control panel. Control dial 1 Basic camera operations 2008. 08.16 AF INFO button i button OFF arge Normal p Arrow pad 2 Press the i button.

· The cursor on the super control panel lights. 3 Use p to move the cursor to the function you want to set. ISO METERING OFF OFF arge Normal arge Normal Cursor The name of the selected function is displayed. 4 Use the control dial to change the setting. · Press the i button to display the direct menu indicated at the position of the cursor.

You can also use the direct menu to change the setting. After changing the setting, press the i button to confirm your setting. If no operation is made within a few seconds, your setting is confirmed and the super control panel is displayed. METERING SELECT Direct menu GO For details on the functions that can be set with the super control panel, refer to "Super control panel" (gP. 7). 28 EN Using the menu 1 Press the MENU button. CARD SETUP CUSTOM RESET PICTURE MODE GRADATION WB CANCEL SELECT · The menu is displayed on the LCD monitor. NORM N AUTO GO i button 1 Basic camera operations MENU button p Arrow pad Operation guide is displayed at the bottom of the screen. CANCEL MENU : Press the MENU button to cancel the setting. : Press dac on the arrow pad to move the cursor and select an item.

SELECT The symbols displayed on the LCD monitor correspond to the arrow pad shown below. t: a u: c 8: d 7: b : Press the i button to confirm your settings. GO OK 2 Use ac to select a tab and d to set an item. METERING RC MODE AF MODE AF AREA ANTI-SHOCK z CANCEL SELECT OFF 0.0 S-AF AUTO OFF GO 3 Use ac to select a function and d to go to the setting screen. METERING RC MODE AF MODE AF AREA ANTI-SHOCK z OFF 0.0 S-AF AUTO OFF GO METERING METERING RC MODE AF MODE AF AREA ANTI-SHOCK CANCEL SELECT GO CANCEL SELECT Tab The current setting is displayed Function Types of tabs W (Shooting menu 1) Sets shooting functions. X (Shooting menu 2) Sets shooting functions. q (Playback menu) Sets playback functions. Y (Custom menu 1) Customizes shooting functions.

Depending on the function being customized, the function is further separated into 8 tabs (A to H). Z (Custom menu 2) Sets the basic functions of the camera. Screenshot of menu with the Y tab selected AF/MF BUTTON/DIAL DISP/8/PC EXP/e/ISO #CUSTOM K/COLOR/WB CANCEL Tab SELECT GO 4 Press the i button to confirm your settings. · Press the i button repeatedly to exit the menu. For details on the functions that can be set with the menu, refer to "Menu directory" (gP.

123). 29 EN Resetting to the factory default settings Normally, current camera settings (including any changes you have made) are retained when the power is

turned off. To reset the camera to the factory default settings, set [RESET]. You can register settings in advance to [RESET1] and [RESET2]. The camera settings at that time are registered in [RESET1] and [RESET2].

For details on the registered functions, refer to "Functions that can be registered in Custom Reset Settings" (gP. 122). 1 Basic camera operations Registering [RESET1]/[RESET2] Menu MENU [W] [CUSTOM RESET] 1 2 Select either [RESET1]/[RESET2] to register and press d. · If settings have already been registered, [SET] is displayed next to [RESET1]/[RESET2]. Selecting [SET] again overwrites the registered setting. · To cancel the registration, select [RESET]. Select [SET] and press the i button. Using reset settings You can reset the camera to [RESET1] or [RESET2] setting or restore the factory default settings. [RESET] : Resets to the factory default settings.



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For the default settings, see "Menu directory" (gP).

123). [RESET1]/[RESET2] : Resets to the registered settings. Menu MENU [W] [CUSTOM RESET] RESET1 1 2 Select [RESET], [RESET1], or [RESET2] and press the *i* button. Use *ac* to select [YES], then press the *i* button. YES NO CANCEL SELECT GO 30 EN 2 Shooting guides Improving your shooting skills Basic function guides To familiarize yourself with the camera, you can start off by taking pictures of surrounding subjects, such as children, flowers and pets. If the pictures taken are not to your liking, try adjusting some of the settings below. You can take more satisfying pictures simply by familiarizing yourself with these basic camera functions. Focus Operating the shutter button A picture can become out of focus when the focus in the picture is on the foreground, background, or other objects in the picture instead of on the subject. To prevent out-of-focus pictures, be sure to focus on the subject you are trying to capture. The shutter button can be pressed halfway down (half-press) and all the way down (full press).

Once you are able to operate the shutter button effectively, you can focus accurately even on moving subjects. Halfway down: All the way down: 2 Shooting guides Improving your shooting skills g"Shooting" (P. 16), "Focus lock If correct focus cannot be obtained" (P. 54) Even when the subject is in focus, the picture can become blurred if you move the camera while the shutter button is being pressed. This is called "camera shake".

Make sure how to properly hold the camera. The camera is particularly subject to shaking when using live view to take pictures while viewing the subject on the monitor. g"Holding the camera" (P. 17) In addition to incorrect focusing and camera shake, movement of the subject can also cause blurring of the picture. In this case, use a shutter speed that matches the motion of the subject.

You can confirm the actual shutter speed and aperture on the displays of the viewfinder and monitor by pressing the shutter button halfway. g"Viewfinder" (P. 6), "Super control panel" (P. 7), "LCD monitor (Live view)" (P. 8) Brightness Exposure compensation The camera automatically determines the aperture value and shutter speed according to the brightness level. This is called auto exposure. However, you may not be able to capture the intended picture with auto exposure alone. In this case, you can increase or decrease the auto exposure setting. Compensate the exposure toward + to enhance the brightness of a summer beach or the whiteness of snow. Compensate the exposure toward - when the area to be shot is brighter but smaller compared to its surrounding area.

If you are unsure of how much exposure compensation is required, try taking several pictures at various settings and then compare the pictures. g"Exposure compensation" (P. 48), "AE bracketing" (P. 49) 31 EN Color White balance Besides sunlight, there are other sources for illuminating the subject, such as tungsten and fluorescent lighting. These types of lighting contain particular colors; therefore, the same white object shot under different lighting has slightly different colors. Even under the same sunlight, the colors in the picture differ depending on the sky conditions, the shadows of trees or buildings, and other factors. White balance automatically corrects the effects from these types of lighting and enables shooting with the right colors. You can usually obtain the right colors with the white balance set to [AUTO]. Depending on the shooting conditions, however, you may not be able to obtain the intended colors. In this case, change the setting accordingly.

g"Selecting the white balance" (P. 60) Fluorescent light Tungsten light Shade of tree 2 Shooting guides Improving your shooting skills A guide to functions for different subjects This section describes the functions suitable under different shooting conditions depending on the subject. Taking landscape pictures This section describes how to take outdoor scenery pictures of forests, lakes and beaches in daylight. Changing shooting mode The proper shooting method varies depending on whether you are trying to capture the silence of a still scene or the dynamism of a motion scene. · To capture the depth of a forest, focus with a wider range of the image.

Use A (aperture priority shooting) mode and close the aperture (increase the aperture value) as much as possible. · To capture the waves crashing against the seashore, use S (shutter priority shooting) mode and select a fast shutter speed. To capture a flowing waterfall or river, shoot using a slow shutter speed. Exposure compensation can be used even under different shooting modes. Check the image that you have shot and use + or - to adjust the exposure to obtain better results.

32 EN Changing white balance The color of water in pictures appears different depending on whether it is a lake reflecting nearby trees or a seashore surrounded by a coral reef. To capture the subtle difference in color, try changing the white balance setting. Change the setting for different situations, such as by using [55300K] for sunny days and [27500K] for outdoor shaded areas on sunny days. Changing metering mode Depending on the depth of the water and the direction of the sun, the brightness of the water can differ significantly in different areas of the same composition. There is also a difference in the brightness of forests depending on the way the trees overlap each other. If you know which areas you want to emphasize the compensation in the image composition, you can change the metering mode. When set to [e] (Digital ESP metering), the camera automatically assesses the brightness in the composition and determines the exposure. To emphasize a specific partial exposure in the composition, change the metering mode to [J] (center weighted metering) or [n] (spot metering), adjust the metering area to the locations that you want to adjust the exposure and then measure the exposure. Changing saturation There may be times when you cannot reproduce the desired color even when using white balance or exposure compensation. In this case, you can change the [SATURATION] setting to achieve the desired color.

The [SATURATION] setting includes two levels of high and low settings. When the setting is high, a vivid color is used. g"Aperture priority shooting" (P. 43), "Shutter priority shooting" (P. 44), "Changing the metering mode" (P. 47), "Exposure compensation" (P. 48), "Selecting the white balance" (P. 60), "[SATURATION] : Vividness of the color" (P. 64) 2 Shooting guides Improving your shooting skills Taking flower pictures The proper method for taking pictures of flowers differs depending on whether you want to capture, for example, a single flower, a field of blooming flowers, a deep red rose, or the light color of a sweet pea.



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Changing white balance There are many colors of flowers ranging from light to vivid ones.

Depending on the colors of the flowers, subtle color shades may not be captured as seen. In this case, you can check the light conditions and change the white balance setting. At [AUTO], the camera automatically determines the type of light and shoots using the proper white balance. However, you can bring out subtle color shades more effectively by changing the setting according to shooting conditions, such as by using [55300K] for sunny days and [27500K] for outdoor shaded areas on sunny days. 33 EN Using exposure compensation When shooting flowers against a background, select as simple a background as possible to bring out the shape and color of the flower.

When shooting bright and whitish flowers, adjust the exposure compensation to (minus) so that the flower stands out from the darker background. Changing shooting mode 2 Shooting guides Improving your shooting skills The proper shooting method when taking pictures of flowers differs depending on whether you want to emphasize a single flower or capture a field of flowers. To change the focus area, set the camera to A (aperture priority shooting) mode and select the aperture value. · When you open the aperture (decrease the aperture value), the camera focuses within a shorter range (with a shallow depth of field), emphasizing the subject against a blurred background. · When you close the aperture (increase the aperture value), the camera focuses over a wider range (with more depth of field), producing a picture with both the foreground and background in focus.

You can use the preview function to confirm the changes in the depth of field when the aperture is changed. Using live view When using a conventional digital single-lens reflex camera with interchangeable lens system, it was necessary to wait until after taking the picture to check the results of the exposure compensation and white balance settings. With the live view function of this camera, however, you can use the monitor to display and check the subject you want to capture. Changing lenses When the blooming flowers are few and sparse, take the picture using a telephoto lens. With a telephoto lens, you take pictures in which subjects at different distances appear closer together, giving the impression of a more densely blooming flower field. Using the telescopic feature of the zoom lens also achieves the same effect, but it is easier to achieve this effect when the focal length of the lens is longer, such as 150 mm or 200 mm, rather than 54 mm. g"Aperture priority shooting" (P. 43), "Using live view" (P. 36), "Exposure compensation" (P. 48), "Selecting the white balance" (P.

60) 34 EN Taking night scene pictures There are different types of night scenes, from the afterglow of a sunset and city lights at night to special light displays and firework displays. Using a tripod Because a slow shutter speed is needed to capture night scenes, a tripod is required to prevent camera shake. If a tripod is not available, you should place the camera on a stable surface to prevent camera shake. Even if the camera is secured, camera shake may occur when pressing the shutter button. Therefore, it is recommended to use the remote control or self timer. 2 Shooting guides Improving your shooting skills Changing shooting mode Night scenes have different levels of brightness, and the balance of the brightness in the composition is not uniform. Start by using A (aperture priority shooting) mode to take the picture. Set the aperture to the medium setting (about F8 or F11) and allow the camera to automatically select the shutter speed. When shooting a night scene, because the camera sets the exposure to match the dark areas which occupy a majority of the composition and the image often turns out whitish (overexposed), adjust the exposure compensation to 1 or 1.5.

Use [REC VIEW] to check the image and adjust the aperture and exposure compensation as necessary. Image noise can easily occur when shooting at slow shutter speeds. In this case, set [NOISE REDUCT.] to [ON] to reduce noise. Using manual focus In cases where you cannot use AF (auto focus) to focus on the subject because the subject is too dark or you cannot focus in time to take pictures, such as during a fireworks display, set the AF mode to [MF] (manual focus) and focus manually.

To take pictures of night scenes, turn the focus ring of the lens and check whether you can see the lights of the night scene clearly. To take pictures of a fireworks display, adjust the focus of the lens to infinite unless you are using a long focus lens. If you know the approximate distance to the subject, it is recommended that you focus on something that is at the same distance in advance. g"Program shooting" (P. 43), "Aperture priority shooting" (P. 43), "Remote control shooting" (P. 57), "AF mode selection" (P. 51), "Noise reduction" (P. 65), "REC VIEW" (P. 90) 35 EN 3 Using live view Activating live view It is possible to use the LCD monitor as a viewfinder. You can view the exposure or white balance effect and the subject's composition while you take the picture. 1 Press the u button. · The mirror is raised and the subject is displayed on the LCD monitor. · When [AF MODE] was set to [C-AF], it will be set automatically to [S-AF] (or [S-AF+MF] in case it was set to [C-AF+MF]). 3 Using live view u button Functions available during live view The following functions can be used during live view.

Focusing during live view · · · · Taking a picture after selecting the AF system gP. 37 Taking a picture using focus lock gP. 38 Taking a picture while adjusting the focus manually gP. 40 Taking a picture while focusing on a face gP. 39 Taking a picture while checking the focus by enlarging the zone to be focused gP. 41 Taking a picture while checking the effect · Taking a picture after comparing the effect of exposure compensation or white balance gP. 41 · Taking a panoramic picture gP. 42 Switching the indications on the LCD monitor · Turning off the information display/Displaying the histogram or ruled lines gP. 40 · Checking the subject on the monitor even in low light situations gP. 87 x Notes · If there is a high-intensity light source within the screen, the image may be displayed darker but will be recorded normally.

· If the live view function is used over a long period, the temperature of the image pickup device rises causing images with high ISO sensitivity to appear noisy and unevenly colored. Either lower the ISO sensitivity or turn off the camera for some time. · Exchanging the lens will cause live view to stop. · The following functions are not available during live view. C-AF/AE lock/[AEL/AFL] · When [IMAGER AF] is selected, you cannot use the AF illuminator.



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36 EN The live view mechanism During live view, the image on the LCD monitor is the same image received by the image pickup device (Live MOS sensor/imager) that is used for shooting. This way you can check on the LCD monitor the effects of exposure compensation or white balance. Moreover, you can also enlarge part of the subject to focus on it or display ruled lines to check that the composition is level. While the image appears on the LCD monitor during live view, the mirror is raised and the shutter is open. Therefore, you will not be able to check the subject in the viewfinder.

Correct metering may not be possible if strong light is coming in through the viewfinder. In such case attach the eyepiece cover. g"Eyepiece cover" (P. 56) Taking pictures using the viewfinder Taking pictures using live view Viewfinder Image pickup device Shutter curtain 3 Using live view Mirror Lens · The light coming in through the lens is reflected on the mirror and you can check the subject in the viewfinder. · The mirror is raised and the shutter is open. The image received by image pickup device is displayed on the LCD monitor. Taking a picture using live view In live view you can choose one of 3 available AF systems. The [LIVE VIEW AF MODE] setting will determine when and how focusing is performed. Menu MENU [Y] [a] [LIVE VIEW AF MODE] Characteristics of the live view AF mode LIVE VIEW AF MODE IMAGER AF (factory default setting) AF SENSOR Halfway down Using the shutter button All the way down AF operation using the Shooting imager AF operation using the AF k sensor and then shooting AF operation using the using the AF imager sensor and (approximate then shooting focus) Focus lock Press the shutter button halfway or press the AEL/AFL button. While holding down the AEL/AFL button, press the shutter button all the way.

While holding down the AEL/AFL button, press the shutter button all the way. Restrictions on use * Only possible with compatible lenses. None AF AREA 11 AF targets 3 AF targets HYBRID AF None 3 AF targets * For the latest information about Olympus lenses compatible with Imager AF, visit the Olympus website. When you are using a lens that is not compatible with [IMAGER AF], [HYBRID AF] will be selected automatically. 37 EN Taking a picture with [IMAGER AF] 1 2 Press the shutter button halfway. · When the focus is locked, the AF confirmation mark and AF target mark light up. AF confirmation mark Press the shutter button all the way to take a picture. 250 F5.6 I-AF 38 AF target mark LN 3 Using live view Taking a picture with [AF SENSOR] 1 Press the shutter button all the way. · The mirror is lowered and the picture is taken after the focus is locked.

· The image that was displayed on the monitor before lowering the mirror freezes during focusing. · If correct focus cannot be obtained, you will hear the sound of the shutter but the picture will not be taken. · To focus in advance, hold down the AEL/AFL button and press the shutter button. When the focus is locked, the AF confirmation mark lights up. When the AF confirmation mark is blinking, the focus is not locked. AF confirmation mark 250 F5.6 38 n mark LN Taking a picture with [HYBRID AF] 1 2 Press the shutter button halfway. · The Imager AF will be activated and you can check the subject on the LCD monitor. · When the Imager AF achieves approximate focus, the n mark lights up. 250 F5.6 o Press the shutter button all the way. · The picture is taken in a similar way as when using [AF SENSOR]. LN AF operation during live view 38 [IMAGER AF] When you press the shutter button halfway, AF is performed by the image pickup device. 11 available AF targets allow you to focus on a subject even if it does not appear in the center of the picture. [AF SENSOR] When you press the shutter button all the way, the AF is activated and the picture is taken in the same way as when taking pictures using the viewfinder (AF is not activated on pressing the shutter button halfway). 38 EN [HYBRID AF] When you press the shutter button halfway, focusing is performed approximately by the Imager AF and you can check the subject on the LCD monitor. When you press the shutter button all the way, the AF is activated in the same way as with the [AF SENSOR] setting. The approximate focusing distance is obtained when the shutter button is pressed halfway so the time it takes to actually take the picture after pressing the shutter button all the way is shortened. When using S-AF+MF, this is very convenient as you can hold the shutter button pressed halfway and finely adjust the focus while checking the LCD monitor. Camera status during AF Imager AF Halfway down AF Sensor All the way down 3 Using live view AF Sensor · AF is performed by the image pickup device.

· The mirror is lowered and AF is performed by the AF sensor. (The mirror is down so the image display on the monitor freezes just before pressing the shutter button all the way.) Using the face detection function By setting [g FACE DETECT] to [ON], the camera will detect people's faces in the frame and adjust the focus and metering automatically. Direct button Super control panel Menu b (The setting changes each time the button is pressed.) i p [g FACE DETECT] [c] [g FACE DETECT] [ON] MENU [Y] · In order to use b, [Fn FACE DETECT] needs to be set up in the menu in advance. g"7 FUNCTION" (P. 85) · After setting [g FACE DETECT] to [ON] while using b, the following functions are automatically set to the best settings for taking pictures of people. Function METERING GRADATION LIVE VIEW AF MODE AF MODE Setting e AUTO IMAGER AF S-AF (B) Ref. page P. 47 P.

64 P. 37 P. 51 39 EN 1 If the camera detects a face, a frame will be displayed in that location. · When you press the shutter button, the camera will focus on the position of the face detection frame (however, if a single AF target is selected with [AF AREA], the camera will focus on the AF target selected). · With [AF SENSOR] or [HYBRID AF], the camera will focus on the AF target that is closest to the face detection frame.

250 F5.6 x Notes · During sequential shooting, face detection will work only at the first shot. · Depending on the subject, the camera may not be able to correctly detect the face. 38 LN Taking a picture using manual focus 3 Using live view During live view, you can take a picture focusing manually while checking the focus on the LCD monitor. 1 2 Set the AF mode to [S-AF+MF] or [MF].

g"AF mode selection" (P. 51) Adjust the focus by rotating the focus ring. · In [S-AF+MF] mode, after pressing the shutter button halfway or pressing the AEL/AFL button, you can rotate the focus ring to finely adjust the focus before taking the picture.



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· Using the enlarged display can be very convenient when adjusting the focus manually. g"Enlarged display operation" (P. 41) Switching the information display You can switch the information displayed on the monitor by pressing INFO button repeatedly. Information display on 250 F5.6 Information display on + Histogram 250 F5.6 Enlarged display (gP. 41) 250 F5.

6 38 LN 38 38 250 F5.6 0.0 +0.3 +0.7 +1.0 GO Information display on + Ruled lines display (gP. 87) 38 WB/F Information display off Comparison screen (gP. 41) 40 EN Taking a picture while comparing the effect You can check the effect of exposure compensation or white balance on a 4-split screen. 1 Press the INFO button repeatedly to display the comparison screen. 2 x g"Switching the information display" (P. 40) · The exposure compensation comparison screen is displayed. Press a to switch to the white balance comparison screen. Press ac to switch the screen. 0.0 +0.

3 Use bd or the control dial to select the setting value, then press the i button. · You can take the picture using the set value. +0.7 WB/F +1.0 GO Notes · Exposure compensation is not available in M mode. · This function cannot be used in g mode. 3 Using live view Enlarged display operation It is possible to enlarge the subject for display. Enlarging the image during MF makes focus confirmation and adjustment easier. 250 F5.6 i button 38 1 2 3 Press the INFO button repeatedly to display the enlarged display. g"Switching the information display" (P. 40) · The enlargement frame will be displayed. Use p to move the frame and press the i button. · The area inside the frame is enlarged and displayed. · Press and hold the i button to return the enlargement frame to the center after it was moved.

Turn the control dial to change the magnification (7x/10x). · Taking the picture or pressing the i button will cancel the enlarged display. · During enlarged display, AF will not be activated even in the shutter button is pressed all the way. You can take the picture after checking the focus in the enlarged display. 41 EN Panorama shooting You can enjoy panorama shooting easily using the OLYMPUS xD-Picture Card. Using OLYMPUS Master (provided CD-ROM) to join a few images shot where the subject's edges overlap, you can create a single panorama composite image. Panorama shooting is possible up to a maximum of 10 images. 250 F5.6 [2] [3] 38 38 EXIT EXIT 3 Using live view · Try your best to include the common parts of the overlapping images when shooting the subject. 1 2 Set the mode.

g"Setting the art filter/scene" (P. 5) · Live view is activated. Use p to specify the direction for joining, then shoot the subject with the edges overlapping. d : Joins the next image to the right. b : Joins the next image to the left. a : Joins the next image to the top. c : Joins the next image to the bottom. · Shoot while changing the composition such that the subject overlaps. · The focus, exposure, etc. will be determined at the first shot.

· The g (warning) mark will be displayed after you have finished taking 10 shots. · Pressing the i button before shooting the first frame returns to the scene mode selection menu. · Pressing the i button in the midst of shooting ends the sequence of panorama shooting, and allows you to continue with the next one. x Notes · Panorama shooting cannot be done if the OLYMPUS xD-Picture Card is not loaded in the camera. · During panorama shooting, the image previously taken for position alignment will not be retained. With the frames or other markers for display in the images as a guide, set the composition such that the edges of the overlapping images overlap within the frames. 42 EN 4 Exposure Program shooting The camera sets the optimum aperture value and shutter speed automatically according to the subject brightness. Set the mode dial to P. · When the shutter button is half-pressed, the shutter speed and aperture value are displayed on the viewfinder. Releasing the shutter button displays the shutter speed and aperture value on the super control panel screen.

Aperture value 250 2008. 08.16 F5.6 AF Shutter speed AF confirmation mark 4 Exposure OFF arge Normal Super Control panel Shooting mode Viewfinder Program shift (%) By turning the control dial in the P mode, you can change the combination of aperture and shutter speed while maintaining the optimum exposure. g"Program line diagram (P mode)" (P. 118) · The program shift setting will not be canceled after shooting. To cancel program shift setting, turn the control dial until the shooting mode indication % on the viewfinder or super control panel changes to P or turn off the power. · Program shift is not available when you are using a flash. TIPS The shutter speed and aperture value are blinking: j The optimum exposure cannot be obtained. For details, see "Exposure warning display" (gP.

118). Program shift Aperture priority shooting The camera sets the optimum shutter speed automatically for the aperture value you have selected. When you open the aperture (decrease the aperture value), the camera will focus within a shorter range (shallow depth of field) and produce a picture with a blurred background. When you close the aperture (increase the aperture value), the camera will focus within a longer range. Use this mode when you wish to add changes to the background representation.

Before shooting, you can use the preview function to check how the background will look in your picture. g"Preview function" (P. 46) 43 EN When the aperture value (f-number) is decreased When the aperture value (f-number) is increased Set the mode dial to A and turn the control dial to set the aperture value. Aperture value Open the aperture (f-number is decreased) Shutter speed AF confirmation mark Shooting mode Viewfinder Close the aperture (f-number is increased) 4 Exposure TIPS To check the depth of field with the selected aperture value: j See "Preview function" (gP. 46).

Shutter speed is blinking: j The optimum exposure cannot be obtained. For details, see "Exposure warning display" (gP. 118). Shutter priority shooting The camera sets the optimum aperture value automatically for the shutter speed you have selected. Set the shutter speed depending on the type of effect you want. A higher shutter speed allows you to capture a fast-moving subject without blur, and a slower shutter speed blurs a moving subject, creating a feeling of speed or motion. A fast shutter speed can freeze a fast action scene without any blur. A slow shutter speed will blur a fast action scene. This blurring will give the impression of dynamic motion.



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Set the mode dial to S and turn the control dial to set the shutter speed.

Aperture value Slower shutter speed Shutter speed AF confirmation mark Shooting mode Viewfinder Faster shutter speed 44 EN TIPS The picture looks blurred: j The possibility of camera shake spoiling your picture increases greatly during macro or ultratelephoto shooting. Raise the shutter speed or use a monopod or tripod to stabilize the camera. The aperture value is blinking: j The optimum exposure cannot be obtained. For details, see "Exposure warning display" (gP. 118). Manual shooting Allows you to set the aperture and shutter speed manually. You can check how much it differs from the appropriate exposure by using the exposure level indicator. This mode gives you more creative control, allowing you to make whatever settings you like, regardless of the correct exposure. Set the mode dial to M and turn the control dial to set the value. Shutter speed: Turn the control dial to set the value.

Aperture value: Turn the control dial while holding down the F button to set the value. · The range of aperture values available varies with the lens type. · The shutter speed can be set to 1/400060 sec. or [BULB]. · The aperture value and shutter speed change in 1/3EV increments as the dial is turned.

Open the aperture (f-number is decreased) F button Slower shutter speed 4 Exposure Close the aperture (f-number is increased) Faster shutter speed · In M mode the exposure level indicator will appear on the super control panel screen. It shows the difference (ranging from 3EV to +3EV) between the exposure value calculated by the currently selected aperture and shutter speed and the exposure value considered optimum by the camera. If the difference exceeds ±3EV, vw will appear in red on both sides of the indicator. Exposure level indicator Underexposure Overexposure Optimum exposure OFF M 2008. 08.

16 250 F5.6 -0.3 arge Normal 45 EN Noise in images During shooting at slow shutter speeds, noise may appear on-screen. These phenomena are caused when current is generated in those sections of the image pickup device that are not normally exposed to light, resulting in a rise in temperature in the image pickup device or image pickup device drive circuit. This can also occur when shooting with a high ISO setting in a high-temperature environment. To reduce this noise, the camera activates the noise reduction function. g "Noise reduction" (P. 65) TIPS The picture looks blurred: j The use of a monopod or tripod is recommended when taking a picture at slow shutter speed. To switch the operation between setting the shutter speed and aperture value: j You can set the aperture value using only the control dial. g "DIAL FUNCTION" (P.

83) x Notes · Exposure compensation is not available in M mode. Bulb shooting 4 Exposure You can take a picture with a bulb exposure time in which the shutter stays open as long as you hold down the shutter button. Bulb shooting can also be done using an optional remote control (RM-1). g "Bulb shooting with the remote control" (P. 58) In M mode, set the shutter speed to [BULB]. · [buLb] is displayed in the viewfinder and [BULB] on the super control panel.

TIPS To automatically end bulb shooting after a specified period of time: To fix the focus during manual focus shooting: j You can set the maximum time for bulb shooting. g "BULB TIMER" (P. 87) j You can fix the focus so the focus does not change even if the focus ring is turned during exposure. g "BULB FOCUSING" (P.

83) x Notes · The following functions are not available during bulb shooting. Sequential shooting/self-timer shooting/AE bracket shooting Preview function The viewfinder shows the focused area (depth of field) with the selected aperture value. For the preview function to work by pressing the b button, it is necessary to set the function of the b button on the menu beforehand. g "7 FUNCTION" (P. 85) Press the b button to use the preview function.

· When [7 FUNCTION] is assigned to [LIVE PREVIEW], pressing the b button automatically switches the camera to live view for a preview of the picture on the monitor. 46 EN b button Changing the metering mode There are 5 ways to measure the subject brightness: Digital ESP metering, Center weighted averaging metering, and 3 types of spot metering. Select the most suitable mode for the shooting conditions. Super control panel Menu Setting display 9: :: : :

Center weighted averaging metering Spot metering Spot metering highlight control Spot metering shadow control MENU button i button i p: [METERING] j MENU [X] [METERING] METERING 4 Exposure OFF Viewfinder e Digital ESP metering Normal The camera measures the light levels and calculates the light level differences in 49 separate areas of the image. This mode is recommended for general use.

Setting the AF synchronized function to [ESP+AF] enables metering centered around the AF target that is in focus with AF. arge J Center weighted averaging metering This metering mode provides the average metering between the subject and the background lighting, placing more weight on the subject at the center. Use this mode when you do not want the light level of the background to affect the exposure value. n Spot metering The camera meters a very small area around the center of the subject, defined by the spot metering area mark in the viewfinder. Use this mode when there is very strong backlight. nHI

Spot metering highlight control When the overall background is bright, white areas of the image will come out gray if you use the camera's automatic exposure. Using this mode enables the camera to shift to over-exposure, allowing accurate white reproduction. Metering area is the same as spot metering. : Metering area nSH Spot metering shadow control When the overall background is dark, black areas of the image will come out gray if you use the camera's automatic exposure. Using this mode enables the camera to shift to under-exposure, allowing accurate black reproduction.

Metering area is the same as spot metering. 47 EN Exposure compensation In some situations, you may get better results if you manually compensate (adjust) the exposure value set automatically by the camera. In many cases, bright subjects (such as snow) will turn out darker than their natural colors. Adjusting toward + makes these subjects closer to their real shades. For the same reason, adjust toward - when shooting dark subjects. The exposure can be adjusted in a range of ±5.0EV. 2.0EV ±0 +2.0EV Adjust toward j F button Adjust toward + Direct button F+j 4 Exposure · The EV step interval is 1/3EV.

Exposure compensation value Viewfinder · The exposure compensation indicator is displayed.



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