



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for OLYMPUS E-PL2. You'll find the answers to all your questions on the OLYMPUS E-PL2 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-PL2**  
**User guide OLYMPUS E-PL2**  
**Operating instructions OLYMPUS E-PL2**  
**Instructions for use OLYMPUS E-PL2**  
**Instruction manual OLYMPUS E-PL2**

**OLYMPUS**

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OLYMPUS

**OLYMPUS**

DIGITAL CAMERA

**E-PL2**

Instruction Manual



E-PL2

Instruction Manual

Basic guide

Quick task index

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■ 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 additions and/or modifications 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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11. 12. KeyMed House Stock Road Southend-on-Sea Authorized Distributors Essex SS2 5QH United Kingdom: United Kingdom Department Olympus Service South Africa: /Eire Olympus Imaging & Audio KeyMed House Sales - 0800 111 4777 Stock Road Service - 0800 111 4888 Southend-on-Sea Facsimile - +44 (0)1702 445134 Essex email - [consumer@olympus.co.uk](mailto:consumer@olympus.co.uk) SS2 5QH [www.olympus.co.uk](http://www.olympus.co.uk)

United Kingdom Sales - 0800 111 4777 Service - 0800 111 4888 Facsimile - +44 (0)1702 445134 email - [consumer@olympus.co.uk](mailto:consumer@olympus.co.uk) [www.olympus.co.uk](http://www.olympus.co.uk) Index Instruction Manual ThankyouforpurchasinganOlympusdigitalcamera.Beforeyoustarttouseyournew camera,pleasereadtheseinstructionscaefullytoenjoyoptimumperformanceandalonger servicelife.Keepthismanualinasafeplaceforfuturereference.

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 reproduced 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 additions and/or modifications of functions due to firmware update for the camera, the contents will differ. For the latest information, please visit the Olympus website. Register your product on [www.olympus-consumer.com/register](http://www.olympus-consumer.com/register) and get additional benefits from Olympus! © 2011 © 2011 E0462663 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.

Body cap Camera Strap USB cable CB-USB6 · Computer software CD-ROM · Instruction manual · Warranty card AV cable (Monaural) CB-AVC3 Lithium ion battery BLS-5 Lithium ion charger BCS-5 Attaching the strap 1 Thread the strap in the direction of the arrows. 1 2 2 Lastly, pull the strap tight making sure that it is fastened securely. 3 · Attach the other end of the strap to the other eyelet in the same way. Indications used in this manual The following symbols are used throughout this manual. # Caution \$ Notes % Tips g EN Important information on factors which may lead to a malfunction or operational problems. Also warns of operations that should be absolutely avoided. Points to note when using the camera. Useful information and hints that will help you get the most

out of your camera. Reference pages describing details or related information. Charging and inserting the battery Basic guide 1 Charging the battery. p Direction indicating mark Charging indicator 3 BLS-5 Lithium ion battery Charging indicator Amber light: Charging in progress Off: Charging complete (Charging time: Up to approximately 3 hours 30 minutes) Amber blinking: Charging error 1 BCS-5 Lithium ion charger AC cable AC wall outlet 2

Preparations for shooting 2 Loading the battery. Battery/card compartment cover Direction indicating mark 2 3 1 Battery/card compartment lock Removing the battery Turn off the camera before opening or closing the battery/card compartment cover. To remove the battery, first push the battery lock knob in the direction of the arrow and then remove. \$ Notes · It is recommended to set aside a backup battery for prolonged shooting in case the battery in use drains. EN Inserting and removing cards Basic guide Preparations for shooting EN 1 Loading the card. · Insert the SD/SDHC/SDXC card (referred to as "card" in these instructions) until it locks in place. g "Card basics" (P. 96) # Caution · Turn off the camera before loading or removing the card. Removing the card Press the inserted card lightly and it will be ejected. Pull out the card.

# Caution · Do not remove the battery or card while the card write indicator (P. 22) is displayed. 2 Closing the battery/card compartment cover. · Close the cover until you hear a click. # Caution · Close the battery/card compartment cover when using the camera. Attaching a lens to the camera Basic guide 1 Remove the body cap from the camera and the rear cap from the lens. 1 2 1 2 2 Attach a lens to the camera. Lens attachment mark Alignment mark Preparations for shooting # Caution · Make sure the camera is turned off. · Do not press the lens release button. · Do not touch internal portions of the camera.

· 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. · Rotate the lens in the direction indicated by the arrow until you hear it click. 3 Remove the lens cap. 1 1 2 Removing the lens from the camera While pressing the lens release button, rotate the lens in the direction of the arrow. g "Interchangeable lenses" (P.

98) Lens release button 2 1 EN Power on Basic guide Preparations for shooting LCD monitor Battery level ; (green): Camera ready to shoot. Displayed for about 10 seconds after the camera is turned on. : (green): Low battery ] (blinks red): Charge the battery LN 01:02:03 1 Press the ON/OFF button to turn on the camera. · When the camera is turned on, the (blue) power lamp will light and the monitor will turn on. · When the camera is turned on, dust reduction will be performed to remove dust from the surface of the image sensor filter.

· To turn off the power, press the ON/OFF button again. 2 Set the mode dial to h. Mode dial ON/OFF button Number of storable still pictures Available recording time EN Setting the date/time Basic guide Date and time information is recorded on the card together with the images.



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...P. 15, 64 MENU button .

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..P. 21 9 Hot shoe ..

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...P. 105 0 Speaker a R (Movie) /0 (Protect) button .

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... P. 11, 13, 58/P.

60, 64 b INFO (Information display) button .....

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...P. 22, 30, 31, 32 c Arrow pad Control dial (j) .

.....P. 14, 49, 50, 51 EN Camera controls Basic guide Names of parts and functions 10 EN Mode dial Use the mode dial to select the shooting mode. After choosing the shooting mode, use the shutter button to take photographs and the R button to shoot movies. Advanced shooting modes Indicator Mode icon P A S M Program shooting (P. 48) Aperture priority shooting (P.

49) Shutter priority shooting (P. 50) Manual shooting (P. 51) Photo zone · For more advanced shooting and greater creative control, you can set the aperture value and shutter speed. · The settings made in the advanced shooting modes are retained even if the camera is turned off. Movie zone Movie mode Easy shooting modes A iAUTO (P. 18) ART Art filter (P. 16) SCN Scene (P. 17) n Movie (P. 58) · If A is selected, the camera automatically optimizes settings to suit the subject. · Select ART or SCN options according to your subject or creative intent.

The camera optimizes settings automatically. · 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 default settings. % Tips · Resetting camera settings: g "Restoring default or custom settings" (P. 33) Basic guide Shutter button R button Mode P A S M Photos: shutter button Aperture and shutter speed are automatically adjusted for optimal results. You control aperture. You control shutter speed. You control aperture and shutter speed. Movies: R button Names H: Displays the previous frame I: Displays the next frame P j [4032x3024,1/8] LN 100-0020 20 HD 2010.10.01 12:30 2010.

10.01 12:30 100-0004 4 Still image Movie n Close-up playback · To zoom in on the image currently displayed in singleframe playback, press the U button. Keep pressing the button to zoom in up to 14 ×. Press G to return to single-frame playback. 2x n Index display/Calendar display · To view multiple pictures, press the G button. To start calendar playback, press the G button repeatedly. · Press the U button to view the currently selected picture full frame. 10 2010 26 3 10 17 24 27 4 11 18 25 1 28 5 12 19 26 2 29 6 13 20 27 3 30 7 14 21 28 4 1 8 15 22 29 2 9 16 23 30 2010.10.01 12:30 21 31 Index display Calendar display Basic guide Movie playback Select a movie and press Q to display the playback menu.

Select [MOVIE PLAY] and press Q to begin playback. · To interrupt movie playback, press MENU. BACK MOVIE MOVIE PLAY m SET Volume Basic operations Volume can be adjusted by pressing F or G during single-frame and movie playback. 00:14 /00:34 Erasing images Display a image you want to delete and press D. Select [YES] and press Q. ERASE D button BACK YES NO SET Protecting images Protect images from accidental deletion. Display an image you wish to protect and press the 0 button; a 9 (protect) icon will appear on the image. Press the 0 button again to remove protection. # Caution · Formatting the card erases all images even if they have been protected. 2010.

10.01 12:30 [4032x3024,1/8] LN 100-0020 20 EN 1 Using art filters Basic guide Basic operations 1 EN 1 Rotate the mode dial to ART. · A menu of art filters will be displayed. Select a filter using FG. 1 POP ART Q ISO AUTO LN 01:02:03 EXIT SET 250 F5.

6 0.0 38 · Press Q or press the shutter button halfway to display the view through the lens in the monitor. Press Q to return to the art filter menu. n Types of

art filters j POP ART k SOFT FOCUS l GRAINY FILM m PIN HOLE n DIORAMA o DRAMATIC TONE 2 Shoot. · To choose a different setting, press Q to display the art filter menu.

Art effects Art filters can be modified and effects can be added. Pressing I in the art filter menu displays additional options. Modifying filters Option I is the original filter, while options II and on add effects that modify the original filter. Adding effects Soft focus, pin-hole, frames (the effects available vary with the selected filter). # Caution · If [RAW] is currently selected for image quality, image quality will automatically be set to [YN+RAW]. The art filter will be applied to the JPEG copy only. · Depending on the subject, tone transitions may be ragged, the effect may be less noticeable, or the image may become more "grainy." · Some effects may not be visible in live view or during movie recording. Shooting in scene mode Basic guide 1 Rotate the mode dial to SCN. · A menu of scene menu will be displayed.

Select a scene using FG.



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I PORTRAIT B e F D C G ISO AUTO Q LN 01:02:03 EXIT SET 250 F5.6 38 · Press Q or press the shutter button halfway to display the view through the lens in the monitor. Press Q to return to the scene menu. Basic operations n Types of scene modes I e L K J G U G H I q PORTRAIT e-PORTRAIT LANDSCAPE LANDSCAPE+PORTRAIT SPORT NIGHT SCENE NIGHT+PORTRAIT CHILDREN HIGH KEY LOW KEY DIS MODE J r & \* @ s ( g f w m MACRO NATURE MACRO CANDLE SUNSET DOCUMENTS PANORAMA (P. 52) FIREWORKS BEACH & SNOW f FISHEYE EFFECT w WIDE-ANGLE m MACRO 2 Shoot. · To choose a different setting, press Q to display the scene menu. # Caution · In [e-PORTRAIT] mode, two images are recorded: an unmodified image and a second image to which [e-PORTRAIT] effects have been applied. The unmodified image is recorded using the option currently selected for image quality, the modified copy at an image quality of JPEG (X-quality (2560 × 1920)). · [f FISHEYE EFFECT], [w WIDE-ANGLE], and [m MACRO] are for use with optional lens attachments.

EN 1 Using live guides Basic guide Basic operations 1 EN Live guides are available in iAUTO (A) mode. While iAUTO is a full auto mode, live guides make it easy to access a variety of advanced photographic techniques. Guide item CHANGE COLOR SATURATION Level bar/selection CLEAR & VIVID Q FLAT & MUTED CANCEL Guide item CHANGE COLOR SATURATION\* CHANGE COLOR IMAGE\* CHANGE BRIGHTNESS\* BLUR BACKGROUND\* BLUR EXPRESS MOTIONS\* · · · · · Level bar/selection CLEAR & VIVID WARM BRIGHT BLUR BLURRED MOTION FLAT & MUTED COOL DARK SHARP STOP MOTION Affects Saturation, contrast, gradation, etc. Color temperature, gradation, etc. Exposure compensation, gradation, etc.

Aperture, live preview, etc. Shutter speed (1/2 s fastest speed), frame rate, etc. SHOOTING TIPS TIPS FOR CHILD PHOTO TIPS FOR PET PHOTO TIPS FOR FLOWER PHOTO TIPS FOR CUISINE PHOTO TIPS FOR FRAMING TIPS WITH ACCESSORY -- \* Monitor frame rate slows. Basic guide 1 2 Set the mode dial to A. After pressing Q to display the live guide, use the FG buttons on the arrow pad to highlight an item and press Q to select.

Guide item CHANGE COLOR SATURATION Basic operations 3 Use FG on the arrow pad to choose the level. · If [SHOOTING TIPS] is selected, highlight an item and press Q to view a description. · Press the shutter button halfway to select. · The effect of the selected level is visible in the display. If [BLUR BACKGROUND] or [EXPRESS MOTIONS] is selected, the display will return to normal, but the selected effect will be visible in the final photograph. Level bar CLEAR & VIVID FLAT & MUTED CANCEL 4 Shoot. · Press the shutter button to shoot. · To clear the live guide from the display, press the MENU button. # Caution · If [RAW] is currently selected for image quality, image quality will automatically be set to [YN+RAW]. · Live guide settings are not applied to the RAW copy.

· Pictures may appear grainy at some live guide setting levels. · Changes to live guide setting levels may not be visible in the monitor. · The flash can not be used with the live guide. · Changes to live guide options cancel previous changes. · Choosing live guide settings that exceed the limits of the camera exposure meters may result in pictures that are over- or under-exposed. EN 1 Using live control Basic guide Basic operations 0 EN The live control can be used to adjust settings in P, S, A, M, and n modes. Using live control allows you to preview the effects of different settings in the monitor. A custom setting is available that allows the live control to be used in other modes (P. 78). IS OFF j WB AUTO Functions WB AUTO P AUTO 5 2 3 1 > Settings n Available settings

Picture mode\*1 .

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..P. 42 Scene mode\*2 ..

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..P. 17 Art filter mode\*2 ..

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45 1 2 Press Q to display the live control. · To hide the live control, press Q again. Use the FG buttons on the arrow pad to select settings, use HI to change the selected setting, and press Q. · The selected settings take effect automatically if no operations are performed for about 8 seconds. Displays the selected function name Cursor IS OFF j WB AUTO Arrow pad WB AUTO Cursor P AUTO 5 2 3 1 > Arrow pad # Caution · Some items are not available in some shooting modes.

% Tips · For information on displaying or hiding the live control. [KCONTROL SETTINGS]: g "Custom menu" (P. 78) Using the menus Basic guide 1 W X q c # d Press the MENU button to display the menus. Preliminary and basic shooting options Advanced shooting options Playback and retouch options Custom menu\* Accessory port menu\* Camera setup (e.g., date and language) CARD SETUP RESET/MYSET PICTURE MODE K IMAGE ASPECT Menus Tab j 4:3 SET Operation guide BACK \* Not displayed at default settings. Press the MENU button to go back one screen Press the Q button to confirm the setting Basic operations 2 3 Use FG to select a tab and press Q. Select an item using FG and press Q to display options for the selected item. Function j/ Y The current setting is displayed o j/ Y j/ Yo IMAGE STABILIZER BRACKETING MULTIPLE EXPOSURE w # RC MODE BACK OFF OFF 0.0 OFF Q IMAGE STABILIZER o OFF j BRACKETING W MULTIPLE EXPOSURE OFF Y 0.

0 w # RC MODE OFF SET SET BACK 4 Use FG to highlight an option and press Q to select. · Press the MENU button repeatedly to exit the menu. \$ Notes · For details on the functions that can be set with the menu, refer to "Menu directory" (P. 110). % Tips · Camera settings can be customized to your shooting style: Use the custom menus to customize camera settings to your own goals or taste. Custom menus are not displayed by default, and you will need to display the menus before proceeding. g "Custom menu" (P. 78) · Using accessory port devices: Settings for the EVF and OLYMPUS PENPAL accessories are accessed from the accessory port menu. This menu is not displayed by default, and you will need to display it before proceeding. g "Accessory port menu options" (P. 90)

90) EN 1 Information displayed in the monitor Basic guide Information displayed in the monitor EN Shooting 1 2 3 4 5 6 7 8 9 0 y x w v u t s r q S-AF ISO a bc



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... 116 Index 122 EN 1 Basic photography/frequently-used options The INFO button can be used to choose the information and type of controls displayed during shooting. Switching the information display Press the INFO button to choose the information displayed when shooting. 1 Basic photography/frequently-used options 0 EN Image only INFO INFO LN 01:02:03 0.0 Information display on F Histogram display INFO INFO -0.3 0.0 INFO +0.3 +0.

7 SET LN 250 F5.6 38 Multi view display Highlight & Shadow display The multi-view ([MULTI VIEW]) and highlight and shadow displays ([HIGHLIGHT & SHADOW]) are available when enabled in the [G/INFO SETTINGS] menu. You can also opt to display a framing grid in the information display. g "Custom menu" (P. 78) Choosing shooting controls Shooting options can be displayed by pressing Q.

You can choose the types of display available using the [KCONTROL SETTINGS] option in the custom menus (P. 78). ART/SCN Art filter menu 1 POP ART INFO 1 PORTRAIT B e IS OFF j WB AUTO INFO METERING INFO NORM SET EXIT F D C G OFF WB AUTO SET 4:3 mall Super Fine EXIT P AUTO 5 2 3 1 > 250 F5.6 38 Scene menu Live control Super control panel\* P/A/S/M IS OFF j WB AUTO INFO METERING INFO NORM OFF WB AUTO P 4:3 mall Super Fine AUTO 5 2 3 1 > 250 F5.6 38 Live control Super control panel\* \* Can be displayed using [KCONTROL SETTINGS].

Displaying information during playback The INFO button can be used to choose the information displayed during playback. INFO INFO 250 F5.6 45mm ±0.0 ISO 100 WBAUTO A±0 G±0 NATURAL 4:3 L N 100-0015 15 +2.0 12:30 [4032x3024,1/8] 4:3 L N 100-0015 15 INFO Image only\* INFO Simplified display (P. 23) INFO Overall display (P. 23) x10 INFO 1 Basic photography/frequently-used options 15 16 SHADOW HILIGHT 15 15 Light box display\* Highlight & Shadow display\* Histogram display\* \* Can be displayed using [G/INFO SETTINGS]. g "Custom menu" (P. 78) Histogram display Display a histogram showing the distribution of brightness in the image. The horizontal axis gives the brightness, the vertical axis the number of pixels of each brightness in the image.

Areas above the upper limit at shooting are displayed in red, those below the lower limit in blue, and the area metered using spot metering in green. Highlight & Shadow display Areas above the upper limit of brightness for the image are shown in red, those below the lower limit in blue. [HISTOGRAM SETTINGS]: g "Custom menu" (P. 78) Light box display Compare two images side-by-side. Press Q to select the image on the opposite side of the display. In addition to adjusting settings using [G/INFO SETTINGS] in the custom menus, you will also have to select [mode2] for [q CLOSE UP MODE]. g "Custom menu" (P. 78) · The base image is displayed on the right. Use HI to select an image and press Q to move the image to the left.



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The image to be compared to the image on the left can be selected on the right.

To choose a different base image, highlight the right frame and press Q. Press U to zoom in on the current image. You can zoom in or out by pressing INFO and using FG. Use FGHI to view other areas of the picture. The image displayed changes each time the U button is pressed.

U 2x INFO U 2x INFO U 2x 53 54 53 54 53 54 EN 1 Other uses for the INFO button One-touch white balance To view the one-touch white balance dialog, press the INFO button in the one-touch white balance menu (P. 40). CAPTURE WB WB AUTO INFO IS OFF j v 1 Basic photography/frequently-used options P 3 1 > W V CWB Color temperature To view the color temperature dialog, press the INFO button in the custom white balance menu (P. 40).

KELVIN 5400 K P INFO IS OFF j CWB 3 1 > W V CWB Playback zoom To zoom an image in or out, press the U button to initiate playback zoom and then press the INFO button and use FG.

IS 1 Tone control IS 1 IS 1 j j j 2x INFO WB WB WB AUTO AUTO Exposure compensation, aperture, and shutter speed AUTO can be adjusted by pressing the F button. The tone S-AF control dialog can be displayed by pressing the INFO S-AF ISO-A button after pressing the F button. You can then use 4:3 4:3 4:3 200 200 HI to choose the tone level. ISO-A IS 1 j WB AUTO 4:3 0 LN INFO LN 0 0 INFO LN 0 0 INFO L NP 0.0 0 0 1234 P 0.0 0 Exposure compensation 0.0 0.0 1234 1234 1234 j WB AUTO 0 Tone level: low 0 Tone level: high Focal length To choose a focal length for image stabilization, press the INFO button in the IS mode dialog and use FGHI or the control dial. FOCAL LENGTH AUTO P INFO 50 mm EN Restoring default or custom settings Camera settings can be easily restored to one of three presets. RESET ([RESET/MYSET] > [RESET]) Restore default settings.

MYSET ([RESET/MYSET] > [MYSET1] [MYSET4]) Restore preselected settings for P, A, S, or M mode. The shooting mode does not change. Up to four sets of preselected settings can be stored. Quick MYSET Preset settings are used only while the < button is pressed. Shooting mode is adjusted to the preset settings. 1 Basic photography/frequently-used options Using reset settings 1 2 3 1 2 3 1 2 3 Select [RESET/MYSET] in shooting menu W (P. 110). Select [RESET] and press the Q button. Select [YES] and press the Q button. RESET/MYSET RESET MYSET1 MYSET2 MYSET3 MYSET4 BACK SET SET SET SET SET Using MYSET Select [RESET/MYSET] in shooting menu W (P.

110). Select the desired settings ([MYSET1] [MYSET4]) and press the Q button. Select [SET] and press the Q button. RESET/MYSET RESET MYSET1 MYSET2 MYSET3 MYSET4 BACK SET SET SET SET SET Saving MYSET Adjust settings in order to save. Select [RESET/MYSET] in shooting menu W (P. 110). Select the desired destination ([MYSET1][MYSET4]) and press I. [SET] appears next to destinations ([MYSET1][MYSET4]) to which settings have already been saved. Selecting [SET] again overwrites the registered setting. To cancel the registration, select [RESET].

4 Select [SET] and press the Q button. g "Settings stored using MYSET" (P. 108) EN Choosing a focus mode (AF mode) Select a focusing method (focus mode). 1 2 1 Basic photography/frequently-used options EN Display the live control (P. 20) and select the AF mode item using FG. Select an option with HI and press the Q button. AUTO S-AF S-AF ISO AUTO g OFF SINGLE AF P S-AF C-AF MF S-AF+MF The selected AF mode is displayed on the LCD monitor. The camera focuses once when the shutter button is pressed halfway. When the focus is locked, a beep sounds, S-AF and the AF confirmation mark and the AF target mark light (single AF) up. This mode is suitable for taking pictures of still subjects or subjects with limited movement.

The camera repeats focusing while the shutter button remains pressed halfway. When the subject is in focus, the AF confirmation mark lights up on the LCD monitor and the beep C-AF sounds when the focus is locked at the first and second time. (continuous AF) Even if the subject moves or you change the composition of the picture, the camera continues trying to focus. Four Thirds system lenses focus using [S-AF]. This function allows you ) Near to manually focus on MF Focus ring any subject. (manual focus) After pressing the shutter button halfway to focus in [S-AF] S-AF+MF (Simultaneous use of S-AF mode, you can turn the focus ring to fine-adjust focus manually. mode and MF mode) Press the shutter button halfway to focus; the camera then tracks and maintains focus on the current subject while the shutter button is held in this position. C-AF+TR The AF target is displayed in red if the camera can no (AF Tracking) longer track the subject. Release the shutter button and then frame the subject again and press the shutter button halfway. Four Thirds system lenses focus using [S-AF].

% Tips The [RLS PRIORITY S] (P. 80) and [RLS PRIORITY C] (P. 80) options can be used to choose whether the shutter can be released when the camera is unable to focus. [MF ASSIST] (P. 79) can be used to enable automatic zoom display when the lens focus ring is rotated.

[FOCUS RING] (P. 79) allows you to change the rotational direction of the focus ring. # Caution The camera may be unable to focus if the subject is poorly lit, obscured by mist or smoke, or lacks contrast. Choosing a focus target (AF target) Choose which of the 11 autofocus targets will be used for autofocus. 1 2 Press the P button (H) to display options.

Select an AF target with FGHI and press the Q button. If all targets are surrounded by a green frame (ALL TARGETS) If one target is surrounded by a green frame (SINGLE TARGET) FGHI 1 Basic photography/frequently-used options The camera automatically selects from the 11 focus targets. The camera will focus on the subject in the selected focus target. Focus lock If the camera is unable to focus on your chosen subject, select [SINGLE TARGET] and use focus lock to focus on another subject at about the same distance. 1 2 In [S-AF] mode, position the AF target over the subject and press the shutter button halfway. Make sure that the AF confirmation mark is lighting up. Focus locks while the shutter button is pressed halfway. Keeping the shutter button pressed halfway, recompose the photograph and then press the shutter button the rest of the way down. Do not change the distance between the camera and the subject while pressing the shutter button halfway. Quick AF target selection You can pre-select an AF target.

Select the AF target using [P SET HOME] (P. 79). FUNCTION] to assign this function to the button. Use [; FUNCTION] or [R [BUTTON FUNCTION]: g "Custom menu" (P.



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78) Toggling quickly between AF and MF The < or R button can be used to toggle [MF]. FUNCTION] or [RFUNCTION] to assign this function to the button. · Use [; [BUTTON FUNCTION]: g "Custom menu" (P. 78) EN Zoom frame AF/zoom AF You can zoom in on a portion of the frame when adjusting focus. Choosing a high zoom ratio allows you to use autofocus to focus on a smaller area than is normally covered by the AF target. Autofocus is also available over a wider area of the frame than with AF target selection.

Q/U 1 Basic photography/frequently-used options EN LN 01:02:03 (Press and hold) U LN 01:02:03 U 250 F5.6 0.0 250 F5.6 0.0 30 30 Shooting display Zoom frame AF U 10x Zoom AF 1 Press the U button to display the zoom frame.

· If the camera was focused using autofocus just before the button was pressed, the zoom frame will be displayed at the current focus position. · Use FGHI to position the zoom frame. · Press INFO and use FG to choose the zoom ratio. Positioning the zoom frame 7x 10x 14x Area in which zoom frame can be positioned Comparison of AF and zoom frames 2 3 Press the U button again to zoom in on the zoom frame. · Use FGHI to position the zoom frame.

· Press INFO and use FG to choose the zoom ratio. Press the shutter button halfway to initiate autofocus. \$ Notes · Autofocus is available and pictures can be taken both when the zoom frame is displayed and when the view through the lens is zoomed in. · At higher zoom ratios, autofocus is more accurate when the view though the lens is zoomed in. # Caution · Zoom is visible only in the monitor and has no effect on the resulting photographs. Face priority AF/pupil detection AF When [ON] is selected for face priority, the camera will set focus and digital ESP metering for faces indicated by white frames. Taking pictures using face priority 1 2 3 Display the live control (P. 20) and select [g FACE PRIORITY] using FG. Use HI to select [ON] and press Q. P AUTO S-AF ISO AUTO 1 Basic photography/frequently-used options FACE PRIORITY ON OFF ON Point the camera at your subject.

· If a face is detected, it will be indicated by a white border. ISO AUTO LN 01:02:03 4 P Press the shutter button halfway to focus. · When the camera focuses on the face in the white border, the border will turn green. · If the camera is able to detect the subject's eyes, it will focus on the closer of the two eyes and the focus point will be indicated by a green frame (pupil detection AF). 250 F5.6 0.0 1023 ISO AUTO LN 01:02:03 P 250 F5.6 0.0 1023 5 Press the shutter button the rest of the way down to shoot. # Caution · Face priority applies only to the first shot in each sequence taken during sequential shooting.

· Depending on the subject, the camera may not be able to correctly detect the face. · In metering modes other than [G (Digital ESP metering)], the camera will meter exposure for the selected position. \$ Notes · Face priority is also available in [MF]. Faces detected by the camera are indicated by white frames.

EN Controlling exposure (exposure compensation) Press the F button (F) and use HI to adjust exposure compensation.

Choose positive ("+") values to make pictures brighter, negative ("") values to make pictures darker. Exposure can be adjusted by  $\pm 3$  EV. 1 Basic photography/frequently-used options Negative ( ) No compensation (0) Positive (+) % Tips · To change the exposure adjustment interval. [EV STEP]: g "Custom menu" (P. 78) # Caution · Exposure compensation is not available in A, M, or SCN modes.

Previewing the effects of exposure compensation and white balance The effects of exposure compensation and white balance can be previewed in the 4-split screen. 1 2 3 Select [ON] for [G/INFO SETTINGS] > [MULTI VIEW] in the c Custom menu (P. 78). Press the INFO button repeatedly to display the multi view display. F -0.3 0.0 +0.3 +0.7 SET · This function is not available in A, ART, SCN or n mode. IS 1 FG to IS 1 between the 1 IS exposure compensation and white balance toggle · Use displays.

Use HI to select the desired value and press Q. AUTO AUTO AUTO To display the tone control dialog, press the F button S-AF and press the INFO button. Use HI to choose (F) ISO-Aa tone level. Choose "low" to darken shadows or 4:3 4:3 4:3 S-AF 200 "high" to brighten highlights. 200 ISO-A Changing theWB brightness of highlights and shadows WB WB IS 1 j j j j WB AUTO 4:3 0 INFO LN 0 0 INFO LN 0 0 INFO LN P LN 0.0 0 0 1234 P 0.0 EN 0 Exposure compensation 0.0 0.0 1234 1234 1234 0 Tone level: low 0 Tone level: high Choosing how the camera measures brightness (metering) Choose how the camera meters subject brightness. 1 2 Display the live control (P.

20) and select the metering item using FG. Select an option with HI and press Q. G Digital ESP metering AUTO e S-AF ISO AUTO g OFF ESP P eJ555 HI SH The camera meters exposure in 324 areas of the frame and optimizes exposure for the current scene or (if [ON] is selected for [g FACE PRIORITY]) portrait subject. This mode is recommended for general use. This metering mode provides the average Center weighted metering between the subject and the averaging H background lighting, placing more weight on the metering subject at the center.

Choose this option to meter a small area (about 2% of the frame) with the camera pointed at the object you wish to meter. Spot metering I Exposure will be adjusted according to the brightness at the metered point. Spot metering - Increases spot metering exposure. Ensures bright IHI highlight control subjects appear bright. Spot metering - Lowers spot metering exposure.

Ensures dark subjects ISH shadow control appear dark. 1 Basic photography/frequently-used options 3 Press the shutter button halfway. · Normally, the camera will start metering when the shutter button is pressed halfway and lock exposure while the shutter button is held in this position. Exposure lock (AE lock) To lock exposure without locking focus, press the < or R button. Exposure lock can be used when you want to set focus and exposure separately while recomposing photographs, or if you want to take a series of photographs at the same exposure. · Assign AEL/AFL to the < or R button using [<FUNCTION] or [RFUNCTION]. 0.0 LN 01:02:03 AE lock Exposure locks and a B icon is displayed when the button is pressed once. Press the shutter button to take a picture. · Press the button again to cancel AE lock.

% Tips · To lock exposure while the button is pressed. [AEL/AFL MEMO]: To activate AE lock with a set metering mode.



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[AEL METERING]: g "Custom menu" (P. 78) EN Adjusting color (white balance) White balance (WB) ensures that white objects in images recorded by the camera appear white. [AUTO] is suitable in most circumstances, but other values can be selected according to the light source when [AUTO] fails to produce the desired results or you wish to introduce a deliberate color cast into your images. 1 1 Display the live control (P. 20) and select the white balance item using FG. WB AUTO IS OFF j WB AUTO 2 Select an option using HI and press Q. WB mode Color temperature AUTO 5 2 3 1 > W n V P AUTO 5 2 3 1 > Basic photography/frequently-used options 0 EN Light conditions Auto white balance Preset white balance One-touch white balance (P. 32) Custom white balance CWB Used for most light conditions (when there is a white portion framed on the LCD k monitor).

Use this mode for general use. For shooting outdoors on a clear day, or to 5300K capture the reds in a sunset or the colors in a fireworks display For shooting outdoors in the shadows on 7500K a clear day 6000K For shooting outdoors on a cloudy day 3000K For shooting under a tungsten light 4000K For subjects lit by fluorescent lights For underwater photography k 5500K For flash shooting Choose when a white or gray subject can Color temperature be used to measure white balance and the set by one- subject is under mixed lighting or lit by an touch WB. unknown type of flash or other light source. After pressing the INFO button, use HI 2000K buttons to select a color temperature and 14000K then press Q. White balance color temperature As their temperature increases, objects first start to shine red and then to shine blue as the temperature rises further.

Color temperature expresses the color of light in this way using absolute temperatures in degrees K (kelvin). · Fluorescent light sources indicated by white dots in the accompanying figure have colors that differ slightly from those on the color temperature scale; the values shown in the figure have been converted to color temperatures for illustrative purposes. White balance compensation This function lets you make fine changes to the auto WB and preset WB settings.

1 2 3 Select [WB] in c Custom Menu (P. 78) tab X.

Select the option to be modified and press I. Select a slider with HI and use FG to choose the amount. Adjusting the white balance in the A direction (Amber-Blue) Higher values produce "warmer" (redder) tints, lower values "cooler" (bluer) tints. Adjusting the white balance in the G direction (Green-Magenta) Higher values produce greener tints, lower values tints that are more purple. WB PREVIEW AUTO > A G +2 5 1 Basic photography/frequently-used options BACK SET 4 Press Q to save settings and exit. % Tips · To display a test photograph taken at the selected white balance value, press the R button. · Adjusting all WB mode settings at once. [ALL >]: g "Custom menu" (P. 78) One-touch white balance Measure white balance by framing a piece of paper or other white object under the lighting that will be used in the final photograph. This is useful when shooting a subject under natural light, as well as under various light sources with different color temperatures.

1 2 3 After selecting [V (One-touch white balance)] (P. 40) , press the INFO button. Photograph a piece of colorless (white or gray) paper. · Frame the object so that it fills the display and no shadows fall it. · The one-touch white balance screen appears. Select [YES] and press the Q button. · The new value is saved as a preset white balance option. · The new value is stored until one-touch white balance is measured again. Turning the power off does not erase the data. % Tips · If the subject is too bright or too dark or visibly tinted, the message "WB NG RETRY" will be displayed and no value will be recorded.

Correct the problem and repeat the process from Step 1. EN 1 Processing options (picture mode) Select a picture mode and make individual adjustments to contrast, sharpness, and other parameters. Changes to each picture mode are stored separately. 1 1 Basic photography/frequently-used options EN Select [PICTURE MODE] in shooting menu W (P. 110).

CARD SETUP RESET/MYSET PICTURE MODE K IMAGE ASPECT BACK j 4:3 SET 2 h i j a Select an option with HI and press Q. Picture modes i- ENHANCE VIVID NATURAL PORTRAIT Produces more impressive-looking pictures matched to the scene mode. Produces vivid colors. Produces natural colors. Produces flat tones.

Produces beautiful skin tones. Produces black and white tone. Select one picture mode, set the parameters, and register the setting. Z MUTED MONOTONE CUSTOM j k l m n o POP ART SOFT FOCUS GRAINY FILM PIN HOLE DIORAMA DRAMATIC TONE Choose an art filter and select the desired effect. 3

Press I to display settings for the selected option. h i-a a a J a a K a a CONTRAST SHARPNESS GRADATION AUTO NORMAL HIGH KEY LOW KEY SATURATION EFFECT (i-ENHANCE) B&W FILTER (MONOTONE) N:NEUTRAL Ye:YELLOW Or:ORANGE R:RED G:GREEN PICT. TONE (MONOTONE) N:NEUTRAL S:SEPIA B:BLUE P:PURPLE G:GREEN Distinction between light and dark Sharpness of the image Adjust tone (gradation). Divides the image into detailed regions and adjusts the brightness separately for each region. This is effective for images with areas of large contrast in which the whites appear too bright or the blacks appear too dark. Use [NORMAL] mode for general uses.

Gradation for a bright subject. Gradation for a dark subject. Vividness of the color Sets the extent that the effect will be applied. Creates a black and white image. The filter color is brightened and the complementary color is darkened. Creates a normal black and white image. Reproduces clearly defined white cloud with natural blue sky. Slightly emphasizes colors in blue skies and sunsets. Strongly emphasizes colors in blue skies and brightness of crimson foliage.

Strongly emphasizes colors in red lips and green leaves.

Colors the black and white image. Creates a normal black and white image. Sepia Bluish Purplish Greenish a a a a a 1 Basic photography/frequently-used options a a a k k k a a k k a a k k a a # Caution · Changes to contrast have no effect at settings other than [NORMAL]. EN Image quality (record mode) Select an image quality for photographs and movies according their intended use, for example retouching on a computer or display on the web. [YN] is a good allpurpose choice for photographs, as is [HD] for movies.

Choosing a record mode 1 1 Display the live control (P. 20) and use FG to choose a record mode for movies or photographs. Select an option using HI and press Q. · The selected option is displayed in the monitor. 4032x3024 P IS OFF j WB AUTO 2 Basic photography/frequently-used options EN RAW L F L N M N S N 38 Record mode n Record modes (still images) Choose from RAW and JPEG (YF, YN, XN, and WN) modes.



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Choose a RAW+JPEG option to record both a RAW and a JPEG image with each shot. JPEG modes combine image size (Y, X, and W) and compression ratio (SF, F, N, and B). The options available can be selected using the [KSET] option in the custom menus. g "Custom menu" (P. 78) Image size Name Pixel count 4032×3024\* 3200×2400 2560×1920\* 1920×1440 1600×1200 1280×960\* 1024×768 640×480 SF (Super Fine) Compression rate F (Fine) N (Normal) B (Basic) Application Y (Large) X (Middle) YSF XSF YF\* XF YN\* XN\* YB XB Select for the print size W (Small) \* Default. WSF WF WN\* WB For small prints and use on a web site · The size of [X] and [W] images can be selected using the [PIXEL COUNT] option in the custom menus. g "Custom menu" (P. 78) RAW image data This format (extension ".ORF") stores unprocessed image data for later processing. RAW image data can not be viewed using other cameras or software, and RAW images can not be selected for printing.

JPEG copies of RAW images can be created using this camera. g "Editing still images" (P. 63) n Record modes (movies) Choose from HD and SD modes. Record mode HD SD Pixel count 1280×720 640×480 Application Record high-definition movies. Record standard-definition movies. Setting the image aspect You can change the aspect ratio (horizontal-to-vertical ratio) when taking pictures using live view. Depending on your preference, you can set the aspect ratio to [4:3] (standard), [16:9], [3:2], or [6:6]. 1 2 Display the live control (P. 20) and select the aspect ratio item using FG. Use HI to select an aspect ratio and press Q.

4:3 P 4:3 16:9 3:2 6:6 IS OFF j WB AUTO 1 Basic photography/frequently-used options # Caution · JPEG images are cropped to the selected aspect ratio; RAW images, however, are not cropped but are instead saved with information on the selected aspect ratio. · When RAW images are played back, the selected aspect ratio is shown by a frame. % Tips · For information on cropping existing photographs or changing their aspect ratio, see "Editing still images" (P. 63).

ISO sensitivity Increasing ISO sensitivity increases noise (graininess) but allows photographs to be taken when lighting is poor.

The setting recommended in most situations is [AUTO], which starts at ISO 200 -- a value that balances noise and dynamic range -- and then adjusts ISO sensitivity according to shooting conditions. 1 2 Display the live control (P. 20) and select the ISO sensitivity item using FG. Select an option using HI and press Q. · The selected option is displayed in the monitor.

The sensitivity is set automatically according to the shooting conditions. Sensitivity is set to the selected value. ISO-A 200 AUTO AUTO 200 6400 RECOMMEND 1000 F8.0 +2.0 AUTO 200 250 320 400 500 ISO-A 200 ISO AUTO g OFF P % Tips · The default value and upper limit for auto ISO sensitivity can be selected using [ISO-AUTO SET]. The options available for ISO sensitivity can be selected using [ISO STEP]. Auto sensitivity can be enabled in M mode using [ISO-AUTO]. g "Custom menu" (P. 78) EN Sequential shooting/using the self timer The camera will take photos at a rate of about 3 frames per second (fps) while the shutter button is pressed all the way down. Alternatively, the self-timer can be used for self- or group-portraits or to reduce camera shake when the camera is mounted on a tripod or otherwise fixed in place.

1 1 Press the jY button (G) to display the direct menu. SINGLE P o j Y12s Y2s Basic photography/frequently-used options EN 2 Select an option using HI and press Q. Single-frame shooting Shoots 1 frame at a time when the shutter button is pressed (normal shooting mode). Photographs are taken at about 3 frames per second (fps) while the shutter button is pressed all the way down ([S-AF] or [MF] selected for [AF MODE], P. 34). Press the shutter button halfway to focus, the rest of the way down to start the timer. First, the self-timer lamp lights up for approximately 10 seconds, then it blinks for approximately 2 seconds and the picture is taken. Press the shutter button halfway to focus, the rest of the way down to start the timer. The self-timer lamp blinks for approximately 2 seconds, and then the picture is taken. o j Sequential shooting Y12s Self-timer 12 SEC Y2s Self-timer 2 SEC \$ Notes · To cancel the activated self-timer, press the jY button.

· During sequential shooting, focus, exposure, and white balance are locked at the first frame (during [S-AF], [MF]). # Caution · During sequential shooting, if the battery check blinks due to low battery, the camera stops shooting and starts saving the pictures you have taken on the card. The camera may not save all of the pictures depending on how much battery power remains. · Fix the camera securely on a tripod for self-timer shooting. · If you stand in front of the camera to press the shutter button halfway when using the self-timer, the photograph may be out of focus.

Reducing camera shake (the image stabilizer) You can reduce the amount of camera shake that can occur when shooting in low light situations or shooting with high magnification. 1 Display the live control (P. 20) and select the image stabilizer item using FG. FOCAL LENGTH AUTO INFO j WB AUTO 2 P 50 mm Select an option with HI and press Q. Image stabilizer is off.

Image stabilizer is on. Image stabilization applies only to vertical (Y) camera shake. Use when panning the camera horizontally. Image stabilization applies only to horizontal (Z) camera shake. Use when panning the camera horizontally with the camera held in portrait orientation. 1 Basic photography/frequently-used options OFF I.S. 1 I.S. 2 I.

S. 3 Choosing a focal length (Micro Four Thirds/Four Thirds System lenses excluded) Use focal length information to reduce camera shake when shooting with lenses that are not Micro Four Thirds or Four Thirds system lenses. j WB AUTO 1 2 Select the [IMAGE STABILIZER] item in the live control (P. 20) and press the INFO button. AUTO P 50 mm Use HI to choose a focus distance and press Q. · Choose a focal length between 8 mm and 1000 mm. · Choose the value that most closely matches to the one that is printed on the lens. # Caution · The image stabilizer cannot correct excessive camera shake or camera shake that occurs when the shutter speed is set to the slowest speed. In these cases, it is recommended that you use a tripod. · When using a tripod, set [IMAGE STABILIZER] to [OFF].

· When using a lens with an image stabilization function, turn off the image stabilizer function of either the lens or the camera. · You may notice an operating sound or vibration when the image stabilizer is activated.



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