

OLYMPUS

OM-D
E-M1X



Visual Guide for Basic Setup

OLYMPUS OM-D E-M1X

In collaboration with

**MARTÍN GALLEGO
AND FERNANDO REY**

**MARISA MARTÍNEZ
AND JAIRO DÍAZ**



OM-D E-M1X

This visual guide for basic setup has been developed as a simple and intuitive tool to help you get the best possible performance out of the **OLYMPUS E-M1X** camera. We also invite you to download the instruction manual from the customer support section at **olympus.es** and to visit our online community **www.getolympus.com**, where you can find more information.

Details on the basic camera setup as well as advice and descriptions of all the advanced modes are provided below by our visionaries **Martín Gallego** and **Fernando Rey**, with a special focus on power saving and special usage modes.

This guide also includes contributions by **Marisa Martínez** and **Jairo Díaz**, who offer their recommendations on action and nature photography.

We hope you enjoy this guide.

Your OLYMPUS Team.





Michael Guthmann

OM-D E-M1X + M.Zuiko Digital ED 40-150mm F2.8 PRO

TABLE OF CONTENTS

PICTURE MODE

1/ Before Setup (page 8)

- 1.1 Update Firmware with the Olympus Digital Camera Updater.
- 1.2 Olympus Image Share.
- 1.3 Olympus Capture.
- 1.4 Olympus Workspace.
- 1.5 Olympus Image Track.
- 1.6 Olympus A-GPS.

2/ Basic Setup (page 12)

- 2.1 Basic Settings for General Use.
- 2.2 Automatic ISO. Adjusting the High Limit.
- 2.3 Image Stabilizer. (S-IS and M-IS)

3/ Control Panels and Menu (page 18)

- 3.1 Activating Super Control Panel and Live Control.
- 3.2 Menu.
- 3.3 Multi Function Setting.
- 3.4 My Menu (Personalized Menu)

4/ Memory Card Management (page 25)

5/ Charging the Batteries and USB Power (page 28)

6/ Electronic Viewfinder (page 32)

- 6.1 Activating the Eye Proximity Sensor.
- 6.2 Choosing the EVF Style.
- 6.3 Selecting the Information Displayed in the Viewfinder.
- 6.4 Live View Boost. Live View of Exposure Compensation.
- 6.5 Activating Viewfinder Automatic Luminance.
- 6.6 Viewfinder Brightness and Color Adjustment.
- 6.7 Simulated Optical Viewfinder (S-OVF).

7/ Rear Monitor (page 39)

- 7.1 Activating the Monitor for Live View.
- 7.2 Rear Monitor Brightness and Color Adjustment.
- 7.3 Automatic Monitor Dimming and Sleep Mode.
- 7.4 Enabling Touch Screen.

8/ Configuring the Buttons, Dials, Lever, and Joystick (page 43)

- 8.1 Assigning a Function to a Direct Access Button.
- 8.2 Assigning Spot Metering Lock to a Button.
- 8.3 Adding Spot Metering to the Focus Point (Spot Metering).
- 8.4 Configuring the Buttons for the Different Focus Modes.
- 8.5 Configuring the Dials.
- 8.6 Fn Lever.
- 8.7 C-LOCK Lever.
- 8.8 Joystick Use and Configuration.

9/ Custom Configuration (page 54)

- 9.1 Custom Modes C1, C2, C3, C4.
- 9.2 Saving Configurations in C1, C2, C3, C4.
- 9.3 Recovering Custom Settings.
- 9.4 Resetting all Functions.

10/ Focus Points (page 57)

- 10.1 Selecting the Focus Point Type.
- 10.2 Target Mode Settings (Configurable Focus Point Groups).
- 10.3 Focus Settings when Switching on the Camera.
- 10.4 Linking the Focus Point to the Orientation.
- 10.5 AF Targeting Pad.
- 10.6 C-AF Center Start.
- 10.7 C-AF Center Priority.

11/ Auto Focus Modes (page 65)

- 11.1 Description of Focus Modes.
- 11.2 Adding Manual Focus to any Focus Mode.
- 11.3 Dissociating Focus and Shooting.
- 11.4 Auto Focus on Moving Objects.
- 11.5 AF for Intelligent Subject Tracking.
- 11.6 C-AF Sensitivity.
- 11.7 AF Scanner.
- 11.8 AF Limiter.
- 11.9 Preset MF Distance.
- 11.10 Face/Eye Detection.

12/ Special Shooting Modes (page 81)

- 12.1 Silent Mode Settings: Flash Enabled.
- 12.2 Flicker and Banding Reduction.
- 12.3 Focus Bracketing (Focus Stacking)
- 12.4 Live Comp.
- 12.5 High-Resolution Shooting.
- 12.6 Pro Capture.
- 12.7 Live ND or ND Filter Shooting.

13/ GPS and Field Sensor (page 95)

MOVIE MODE (page 100)

- 1. Introduction.
- 2. Movie Stabilization.
- 3. Color: Picture Mode.
- 4. White Balance.
- 5. Focus.
- 6. Metering Mode.
- 7. Movie Quality and Resolution.
- 8. ISO Sensitivity.
- 9. Audio System.
- 10. Other Movie Configurations.
- 11. Direct Access Buttons.

DESCRIPTION

The most important elements of the Olympus E-M1X are shown below.



Illustration 1



Chris Eyre-Walker

OM-D E-M1X + M.Zuiko Digital ED 12-100mm F4 IS PRO


1

BEFORE SETUP

We highly recommend installing a number of free programs that will ensure you get the best performance from your Olympus E-M1X and benefit from some valuable extra features. These programs are described below:

1.1 Olympus Digital Camera Updater

This simple computer application allows you to update the firmware version of the camera and lenses in just a few steps. It also offers, among other things, the option of saving your custom settings and recovering them later. The download link is:

 https://www.olympus-europa.com/site/en/c/cameras_support/downloads/firmware_update_instructions/index.html

1.2 Olympus Image Share

This is a mobile app that allows you to control the camera live from your smartphone and view photos taken on your camera, along with many other functions, by connecting via Wi-Fi or Bluetooth. You can find descriptions of these functions and the download link for iOS and Android here:

 <http://app.olympus-imaging.com/oishare/en/>

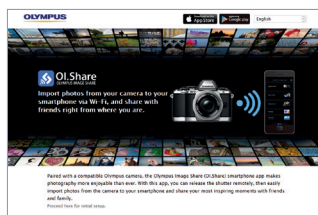
1.3 Olympus Capture

This software program is particularly well suited for studio sessions, enabling you to control the camera from your computer via USB cable. It also allows you to download onto your computer the photos taken wirelessly via Wi-Fi. You can find descriptions of its features and the download link here:

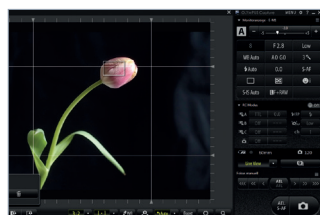
 <http://app.olympus-imaging.com/olympuscapture/en/>



Olympus Digital Camera Updater



Olympus Image Share



Olympus Capture

1.4 Olympus Workspace

You can process your images in RAW or JPEG format using this free program. To download it, click on the following link and enter the series number of your camera (which you can find on its underside):

 <http://app.olympus-imaging.com/olympusworkspace/en/index.html>

1.5 Olympus Image Track

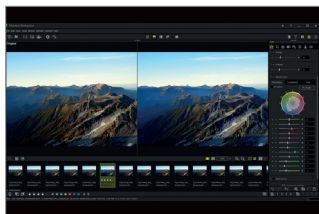
This is a mobile app you can use to manage your photos and movies and the camera's GPS and field sensor data. You can download the version for Android or iOS at:

 <http://app.olympus-imaging.com/oitrack/en/>

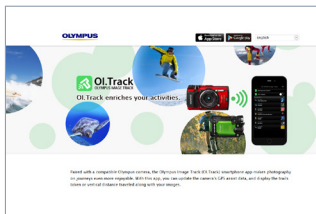
1.6 Olympus A-GPS

This is a free computer application that updates your camera's GPS data. You can find the download and installation instructions at:

 <http://sdl.olympus-imaging.com/agps/index.en.html>



Olympus Workspace



Olympus Image Track

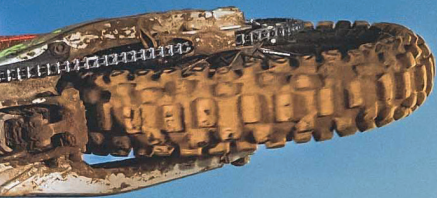


Olympus A-GPS

Fernando Marmolejo

OM-D E-M1X + M.Zuiko Digital Fisheye 8mm PRO





2 BASIC SETUP



Recommendation by **Martín Gallego**

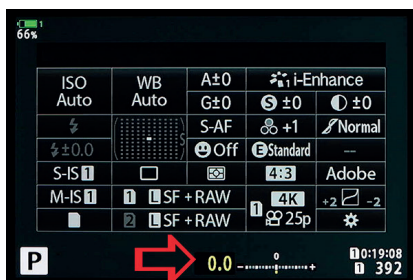
Using the settings outlined below, you will be able to take sharp and well-exposed photographs in virtually any situation. These settings are highly recommended when getting to know your camera.

2.1 Basic Settings for General Use

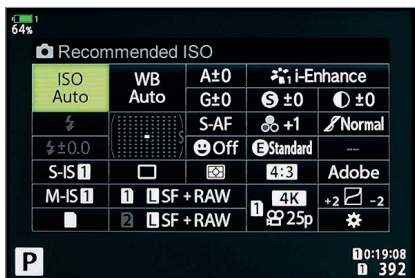
If you press the OK button, you will see the interactive Super Control Panel shown in the images below. You can select the parameter you want to change by moving the section highlighted in yellow using the control buttons or joystick, and you can adjust the value of the selected parameter by turning the front dial. You can also use another type of information panel called the Live View; section 3 of this guide explains how to change the display. The recommended basic settings are shown below:



Setting 1: P (program) mode in the mode dial.



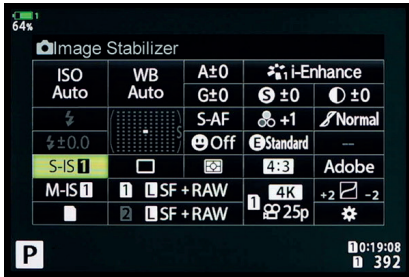
Setting 2: Light meter at 0. You can change it by turning the front dial.



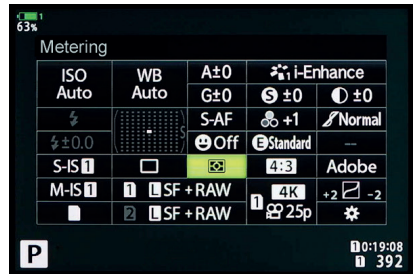
Setting 3: Automatic ISO.



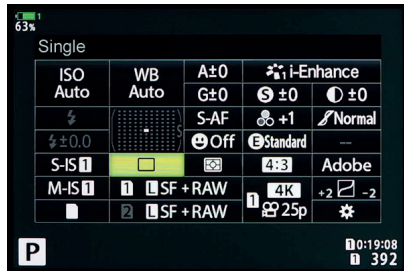
Setting 4: Automatic white balance.



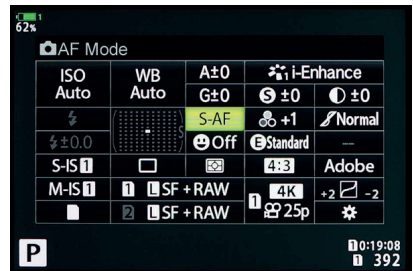
Setting 5: Image stabilization mode 1.



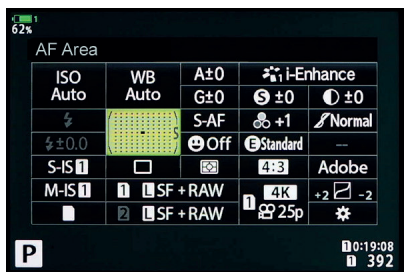
Setting 6: Electro Selective Pattern (ESP) light metering*.



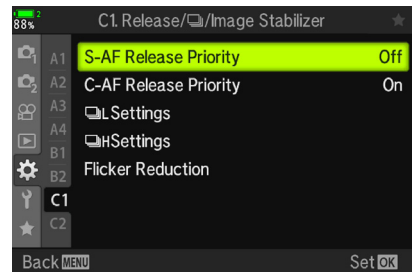
Setting 7: Single shot.



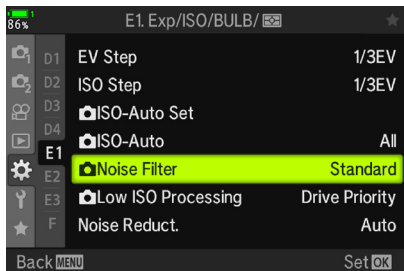
Setting 8: Single focus.
(See options in section 10)



Setting 9: One single central focus point
(See options in section 9)



Setting 10: In menu C1, have the S-AF Release Priority switched off. If we leave it on, the camera could shoot without having focused.

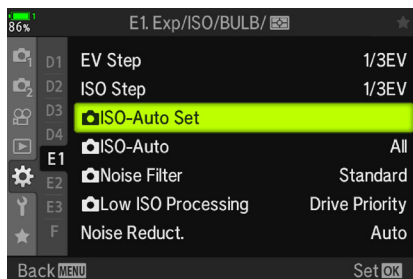


Setting 11: In menu E1, set the Noise Filter to Standard and the Noise Reduct. to Auto.

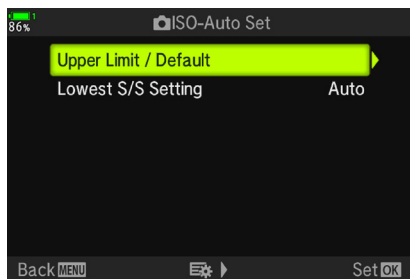
* The ESP metering averages the light present across the whole image, taking into account both bright and dark areas.

2.2 Automatic ISO. Adjusting the High Limit and Minimum Shutter Speed

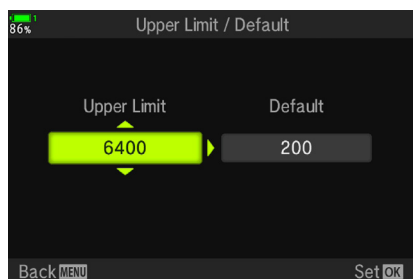
In the E-M1X, you can set the maximum sensitivity to be used in automatic ISO mode. If you are using RAW file format, it is a good idea to increase the high limit to ISO 6400 so that you have an option to help you in low-light situations or when you need to use a higher shutter speed. Follow the steps below:



1) In Custom Menu E1, select **ISO-Auto Set** and confirm with OK.

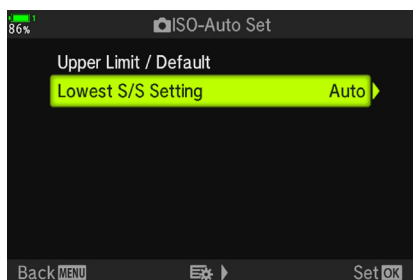


2) Select **Upper Limit / Default** and confirm with OK.

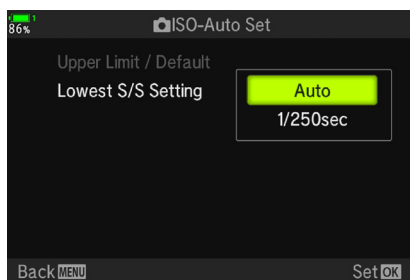


3) Select **6400** using the control buttons and confirm with OK.

In addition, when you select automatic ISO and work in modes P and A, you can set the minimum shutter speed if desired. If the selected option is Auto, the camera takes into account different parameters to determine the speed: lens focal length, scene brightness, etc:



4) Select **Lowest S/S Setting** and confirm with OK.



5) Select **Auto** or the desired value and confirm with OK.



You can find more information about automatic ISO on pages 181-185 of the instruction manual.

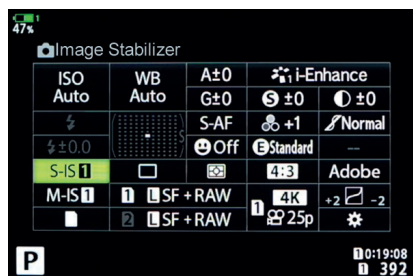
2.3 Image Stabilization (S-IS and M-IS)

The camera features image stabilization (IS) to eliminate vibrations or camera shake that can diminish the quality of photographs or videos. The various options are shown in the table below:

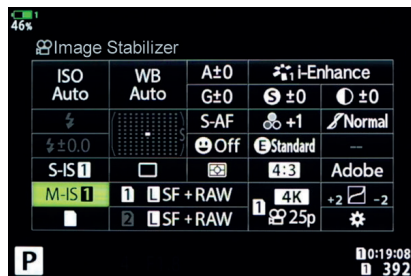
Photograph (S-IS)	OFF	Static IS off.	Image stabilizer disabled.
	S-IS AUTO	Automatic IS.	The camera detects the direction of the panning (if any) and applies the appropriate image stabilization.
	S-IS1	IS in all directions.	Image stabilizer on, suitable for any situation.
	S-IS2	IS for vertical shaking.	Only vertical stabilization. Suitable for horizontal panning.
	S-IS3	IS for horizontal shaking.	Only horizontal stabilization. Suitable for vertical panning.

Movie (M-IS)	OFF	Movie IS off.	Image stabilizer disabled.
	M-IS1	IS in all directions.	The camera uses both sensor movement (VCM) and electronic correction.
	M-IS2	IS in all directions.	The camera only uses sensor movement (VCM). It does not use electronic correction.

The most suitable option for general use is S-IS1 in picture mode and M-IS1 in movie mode. Use the Super Control Panel to make this selection:

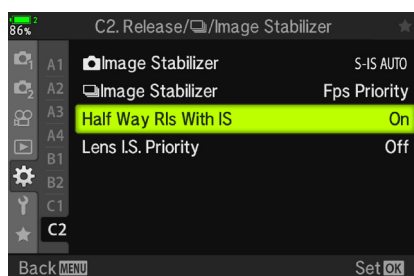


1) For pictures, select **S-IS1**.



2) For movies, select **M-IS1**.

The camera also provides the option of image stabilization being performed when the shutter button is pressed halfway so you can assess its effect. This is enabled as follows:



3) In Custom Menu C2, select **Half Way Rls With IS** and switch it on.

Finally, the camera also offers the option of having the image stabilization work in sequential shooting mode. Proceed as follows to enable it:



4) In Custom Menu C2, select the option **Image Stabilizer** in sequential shooting and select Fps Priority.



You can find more information about image stabilization on pages 176-178 of the instruction manual.

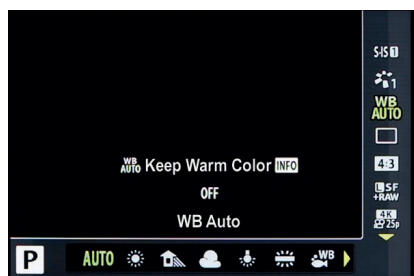


3

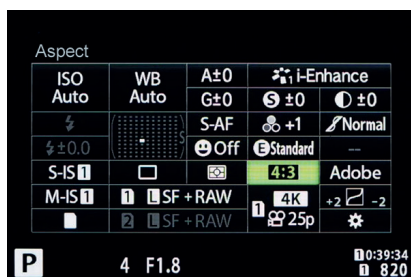
CONTROL PANELS AND MENU

3.1 Activating Super Control Panel and Live Control

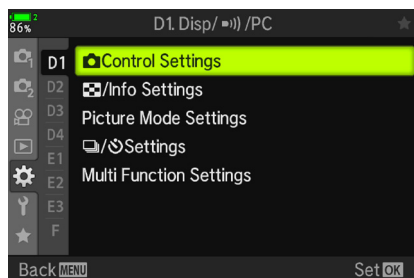
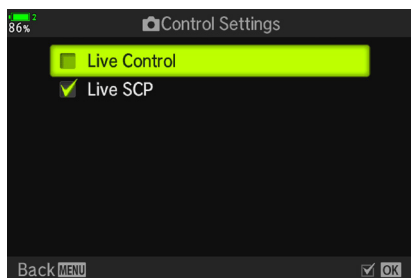
To view information on the parameters being used in the camera and to modify them, you can use two types of interactive information display that appear when you press OK: **Super Control Panel and Live Control** (as pictured below).



1) Live Control

2) Super Control Panel, also known as **SCP** on the menu.

To activate both or one of these information displays, you need to access the menu:

1) Select Custom Menu D1 and open **Control Settings** by pressing OK.

2) Select the desired option and exit by pressing Menu.



Recommendation by **Martín Gallego**

Personally, I prefer the Super Control Panel because all the information is on display. I can use it to move through the various options using the cursor then use the front dial to change the value of selected items that are highlighted in yellow. The Super Control Panel also appears in the viewfinder when you press the OK button, and is superimposed over the live view, which allows you to change any important parameters without moving your eye away from the viewfinder and thus without missing any part of the scene in front of you.

3.2 Menu

This is accessed using the **"Menu"** button. You can use the control buttons or the joystick to move through the menu. The latter also acts as the OK button when you press on it, making it a quick and convenient way to navigate through the menu options. Certain settings can make it even more user-friendly.



Menu memory activation. If this is activated, the menu will display the same parameters upon opening as the last time it was exited. You can activate it as follows:



2) In Custom Menu J1, select **Recall** next to Menu Recall. Confirm with OK.

If you press the INFO button while viewing the menu, a small description of the selected function will appear. Press INFO again to make it disappear. For example:



3) Description of the selected function.



You can find more information about the menus on pages 314 and 315 of the instruction manual.

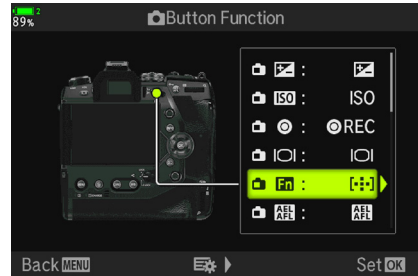
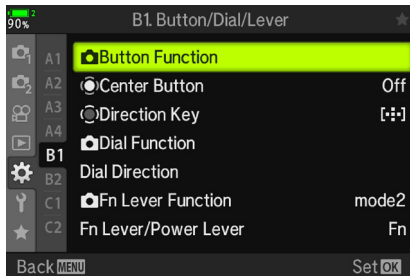


3.3 Multi Function Button Setting

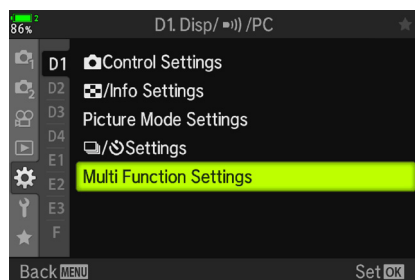
You can assign various functions to the same button for quick access, using a small menu for management. To do this, you must assign Multi Function to a button of your choice, in this example we will use the Fn button that is inside the Fn lever:



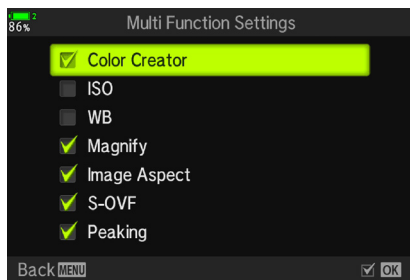
To select which functions you would like to be accessed using this button, proceed as follows:



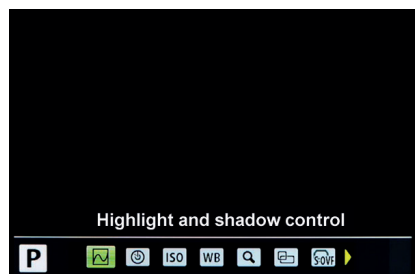
Next, you need to set which functions you want to be displayed when pressing the FN button:



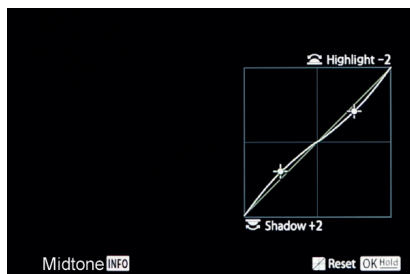
5) In Custom Menu D1, select **Multi Function Settings** and continue via OK.



6) Press OK to select the functions to be displayed and exit via Menu.



7) From this point, if you keep the Fn button pressed while rotating the front dial, the various functions will appear. Keep turning the dial to select the desired function.



8) If you only press the Fn button, the last selected function will appear, in this case the light and shadow control, which can be modified using the front and rear dials. To exit, press the Fn button again or press the shutter button halfway.



You can find more information about **Multi Function** on pages 470-472 of the instruction manual.

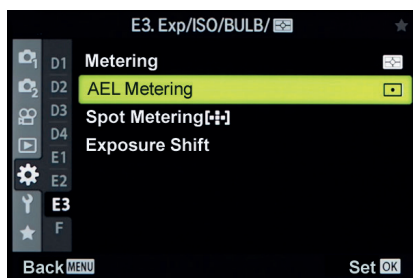
3.4 My Menu (Personalized Menu)

The Olympus E-M1X offers the option of grouping the functions you use the most into a menu you can create and modify according to your preferences. The My Menu symbol is a star, which appears as the last option when pressing the Menu button.

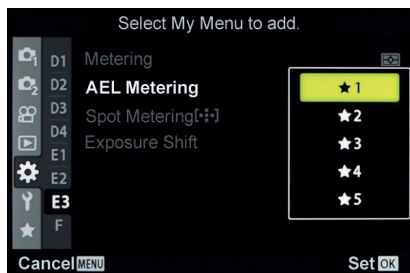


1) My Menu. You can configure up to 5 stars with 7 functions each.

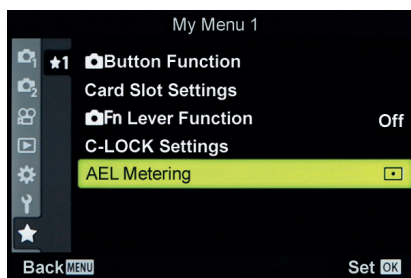
Proceed as follows to add a function to My Menu:



2) Find and select the function to be saved in My Menu and press the movie recording button.



3) Next, select the display or star that will appear in My Menu and confirm with OK



4) Function added to My Menu



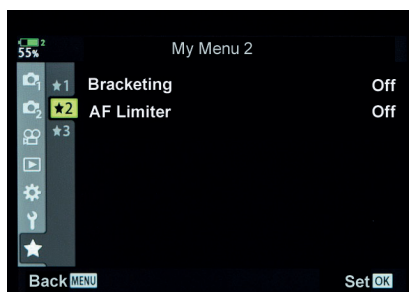
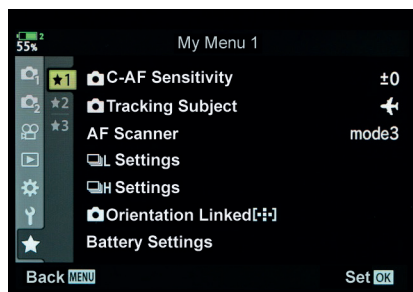
You can find more information about My Menu on pages 477-479 of the instruction manual

To remove or rearrange a function in My Menu, select it, press the movie button and select the action you'd like to perform.



Recommendation by **Marisa Martínez**

In each personalized menu, I have added the elements I use the most for each of my natural photography styles: the first for fauna photography, the second for macro photography, and the third for landscape photography. This allows me to access these options quickly without having to navigate through all the menus.



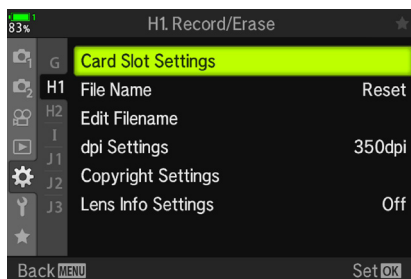
4

MEMORY CARD MANAGEMENT

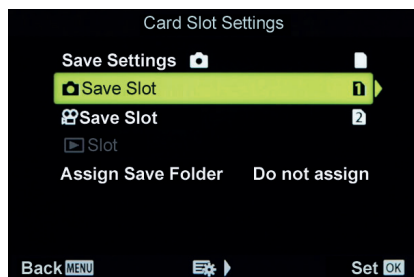
Recommendation by **Martín Gallego**

In order to achieve the best camera performance, it is essential to use high-speed cards, particularly for sequential shooting photographs or for very high-quality videos.

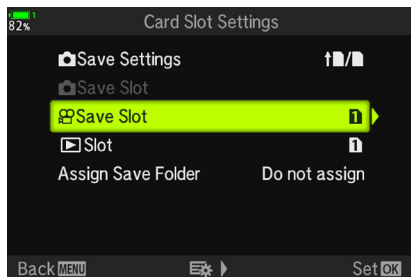
The Olympus E-M1X features two identical SD card slots for fast data transfer. If you are only using one card, you will not be able to view the various storage combination options for two cards; these are activated when two cards have been inserted. If, for example, you would like to save photographs to one card and videos to another, you may proceed as follows:



1) In Custom Menu H1, select **Card Slot Settings** and continue via OK

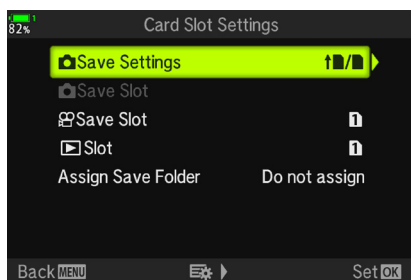


2) Select **Save Slot** next to the small camera symbol and select 1. Photographs will be stored on card 1.

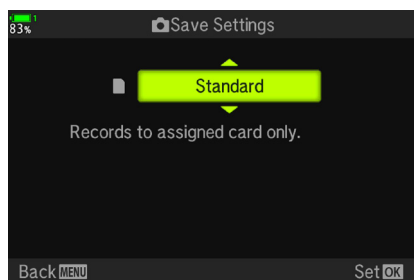


3) Select **Save Slot** next to the small video recorder symbol and select 2. Videos will be stored on card 2.

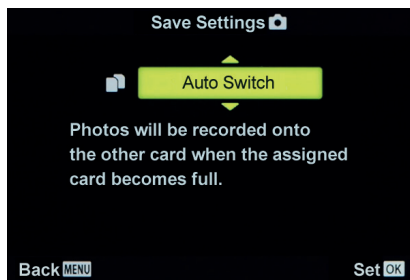
Of course, videos can also be recorded onto card 1, just like pictures. When you have inserted two cards, you can manage the storage in various ways. This is how:



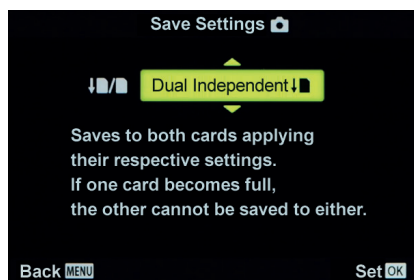
4) Select the option **Save Settings** photo and continue via OK.



5) The first option that appears, **Standard**, causes photos to only be recorded onto the assigned card.

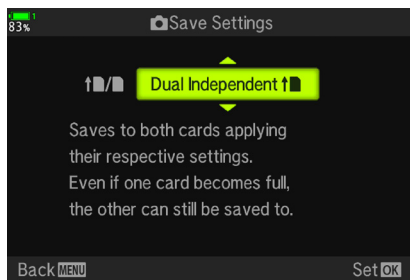


6) The next option, **Auto Switch**, allows photos to be recorded onto the other card when the assigned card becomes full.



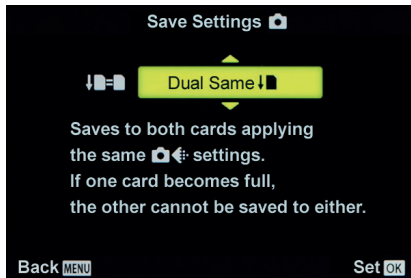
6) Dual Independent ↓

Allows you to save different settings on each card, for example, one as JPEG and one as RAW. When the card is full, it is not possible to record onto the other card.



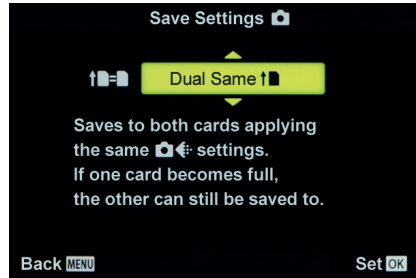
7) Dual Independent ↑

Allows you to save different settings on each card, for example, one as JPEG and one as RAW. When one card is full, it continues to record onto the other card.



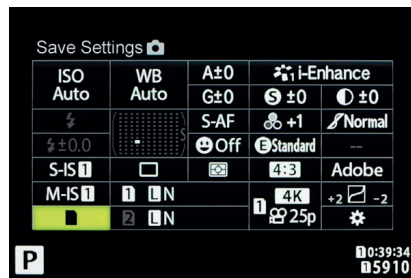
9) Dual Same ↓

Stores the same settings on both cards. When one is full, the other stops recording.



10) Dual Same ↑

Stores the same settings on both cards. When one is full, recording continues on the other card.



11) You can also quickly access your card management through the Super Control Panel by selecting the bottom left field on the image shown.

Finally, you can use the Card button to quickly select which card you would like to store images on when two cards have been inserted.



12) Card button.



You can find more information about memory card management on pages 71, 316, and 547 of the instruction manual.

5

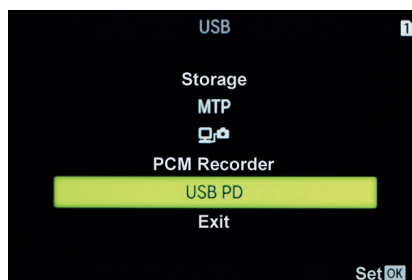
CHARGING THE BATTERIES AND USB POWER

The Olympus E-M1X allows you to charge the batteries using a USB cable without removing them from their compartment:



1) While the camera is switched off, connect the USB cable to the camera and to a power source such as a computer or a device that complies with standard USB power delivery (USB PD). The charge indicators will light up during charging and will switch off when charging is complete. Charging will be interrupted if the camera is switched on.

The camera can also be powered through the USB port using mobile batteries or devices that comply with the USB PD requirements, with a rated output of 9V 3A, 15V 2A, or 15V 3A. While the camera is switched off, connect the cable to the USB port and to the power device. You must then switch on the camera, which will display a message prompting you to identify the connected device:



2) Select USB PD and confirm with OK.

From this point, the camera will be supplied with power from the external device. The batteries must be charged to at least 10% for this initial display to be shown.

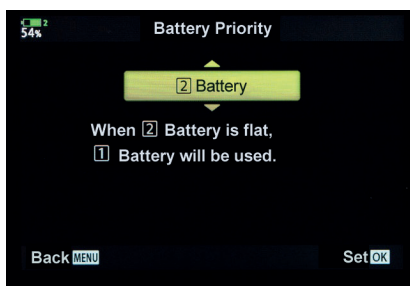
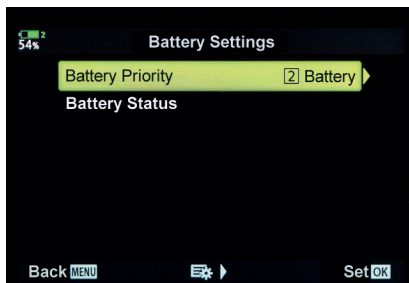
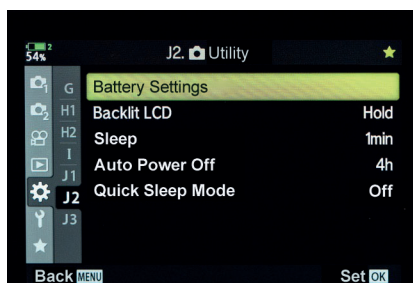


You can find more information about charging the batteries and USB power on pages 34 and 625 of the instruction manual.



Recommendation by **Marisa Martínez**

Under Battery Settings, I choose "Battery Priority" for the second battery. This means that if I need to quickly make a switch, it is the first one I come across without having to completely remove the compartment from the camera, although battery consumption is much lower with the OM-D E-M1X.







Michael Guthmann

OLYMPUS OM-D E-M1 Mark II + M.Zuiko Digital ED 7-14mm F2.8 PRO

6

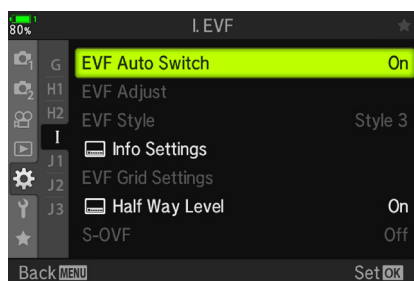
ELECTRONIC VIEWFINDER

Recommendation by **Martín Gallego**

It is recommendable to use the viewfinder to take photographs, while the rear monitor can be left for navigating through menus, checking stored images, and occasionally used as a touchscreen. Using the viewfinder helps you avoid motion blur and saves power.

6.1 Activating the Eye Proximity Sensor

If you activate the proximity sensor, the camera will detect when you are looking through the viewfinder, thus switching it on while switching off the rear monitor. Once the sensor is activated, if you wish to use the rear display for live view, simply press the monitor activation button, and press it again to go back to using the viewfinder:



1) In Custom Menu I, select **EVF Auto Switch**, select On and confirm with OK. This activates the viewfinder's eye proximity sensor.



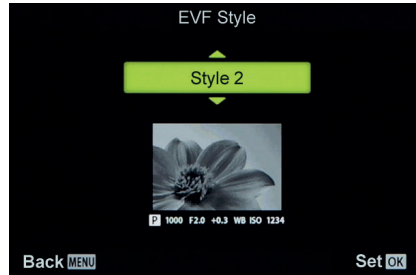
2) Button to switch from monitor live view to the viewfinder.

6.2 EVF Style Selection

The camera features three different ways of displaying images and information through the viewfinder. Proceed as follows to select one of these options:

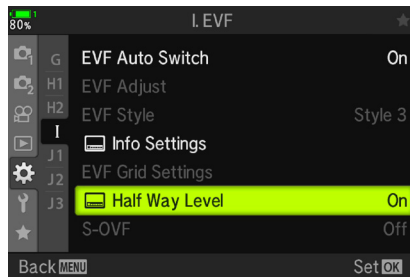


1) In Custom Menu I, select **EVF Style** and confirm with OK.



2) Select the style you prefer and confirm with OK.

You can activate the half way level in EVF styles 1 and 2, but this option is not available in style 3. The half way level is a level gauge that appears in the viewfinder instead of the exposure bar when you press the shutter button halfway. To activate it:



3) In Custom Menu I EVF, select Half Way Level On and press OK to confirm.



You can find more information about the viewfinder on page 554 of the instruction manual.

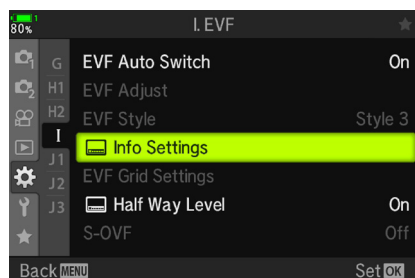


Recommendation by **Martín Gallego**

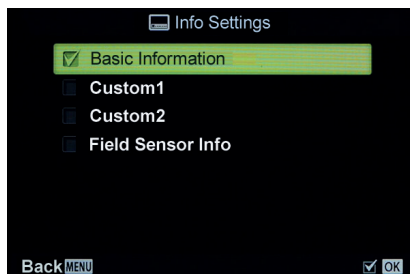
I prefer style 2 with the half way level activated as it allows me to check if the horizon is straight just before shooting.

6.3 Selecting the Information Displayed in the Viewfinder

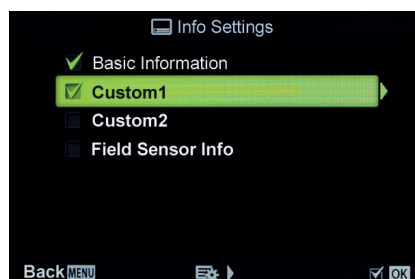
While looking through the viewfinder, you can have live access to various information, e.g., the histogram and light and shadow, which appear when you repeatedly press the INFO button. You can configure it as follows:



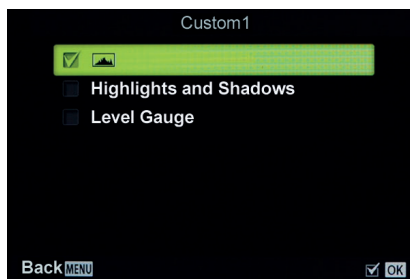
1) In Custom Menu I EVF, select **Info Settings** and confirm with OK.



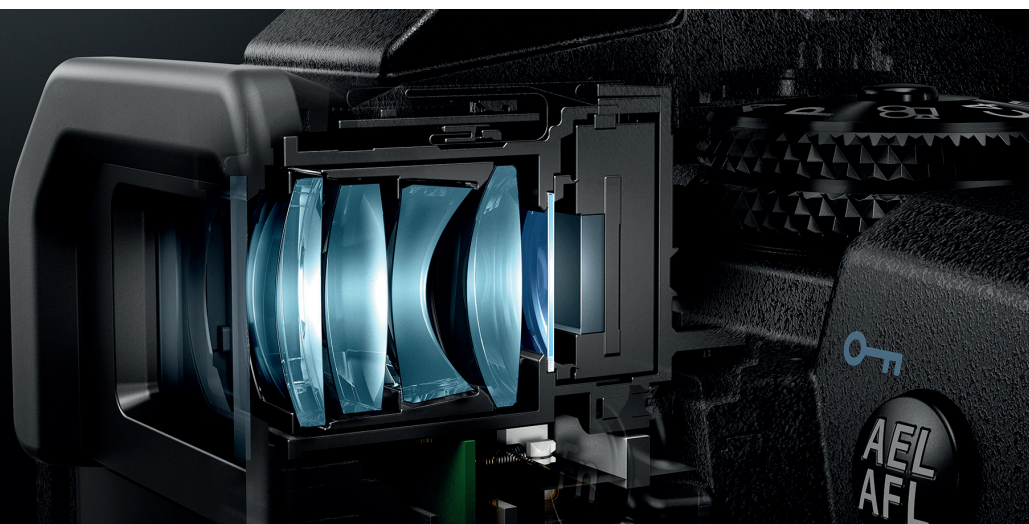
2) Select **Basic Information** using the OK button or by pressing the joystick.

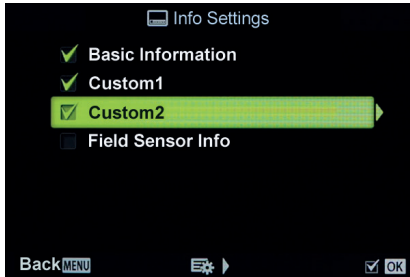


3) Select **Custom 1** via OK and continue via the right control button or the joystick.

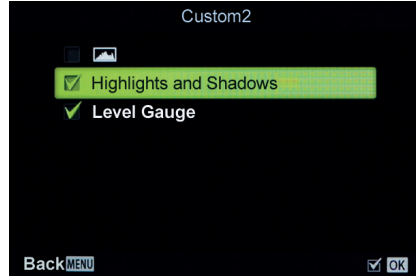


4) Select **Histogram** by pressing OK and return via Menu.

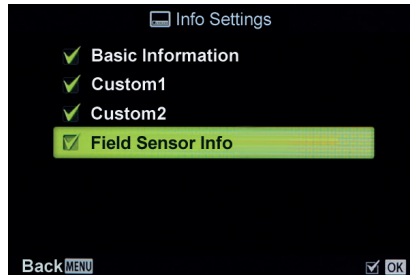




5) Select **Custom 2** via OK and continue using the right control button.



6) Select **Highlights and shadows** and **Level Gauge** via OK and exit using the Menu button.



7) Select **Field sensor** and exit via Menu.

The various details will appear sequentially as you repeatedly press the INFO button while looking through the viewfinder. Follow the steps above to modify or remove these.



You can find more information on page 555 of the instruction manual.

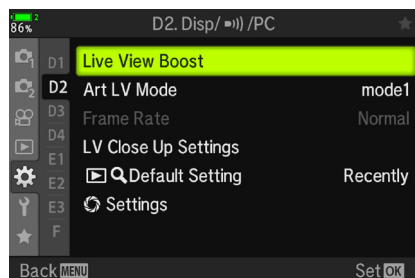
6.4 Live View Boost. Live view of exposure compensation



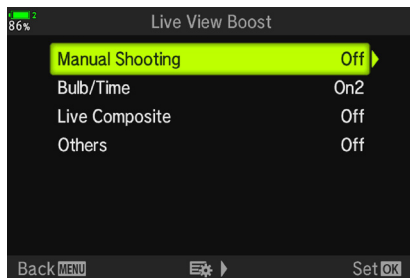
Recommendation by **Martín Gallego**

One of the advantages of electronic viewfinders is the ability to check how exposure compensations affect the image before pressing the shutter button. Bulb and Live Time modes are exceptions, but I'd rather have the viewfinder or monitor show me the brightness corrections I want to test out before taking the picture.

Use the following configuration to view the changes to the image before taking the picture:



1) In Custom Menu D2, select **Live View Boost** and continue via OK

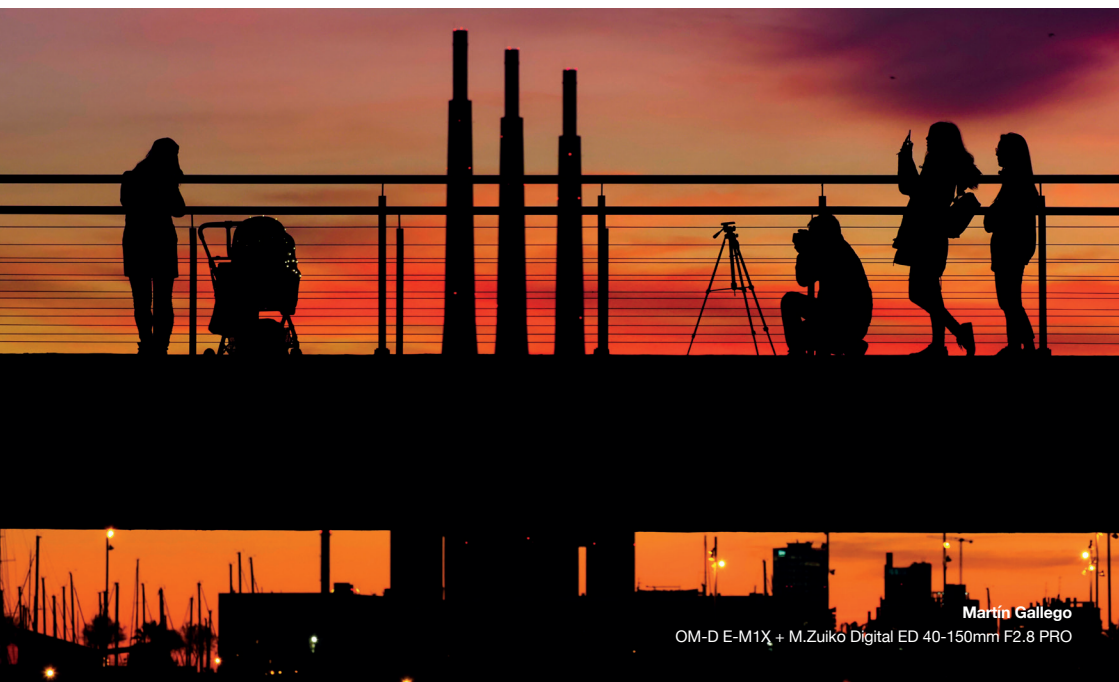


2) Set all options as Off except Bulb/Time as On2

This means you will see real changes to the image directly before pressing the shutter button in modes P, S, A, and M, as well as Live Composite. If you leave Bulb/Time mode on, this could help you see the image in night-time shots or with very little ambient light, but please be aware that this display does not correspond to the real brightness of the final image, it is only an aid for composition or focusing.

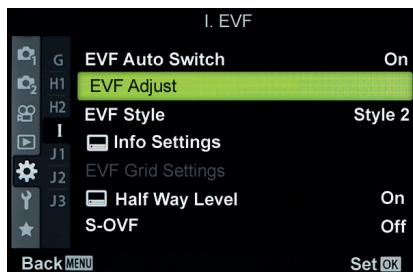


You can find more information about Live View Boost on pages 139, 200, and 521 of the instruction manual.



6.5 Activating Viewfinder Automatic Luminance

This function modifies the viewfinder's luminance to adapt for ambient light so that it attenuates intensity for nightscapes and accentuates it during the day. This does not impact the pictures you take, but is rather an aid to allow the viewfinder to adapt to its surroundings, thus preventing stress to your eyes. Proceed as follows to activate it:



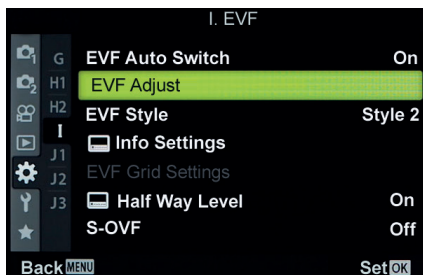
1) In Custom Menu I EVF, select **EVF Adjust** and confirm with OK.



2) Select On for **EVF Auto Luminance** and confirm with OK.

6.6 Viewfinder Brightness and Color Adjustment

You can modify the brightness and color of the viewfinder to your taste, but you must be prudent when doing so as there may be significant differences between what you see and the final image. Proceed as follows:



1) In Custom Menu I, select **EVF Adjust** and confirm with OK



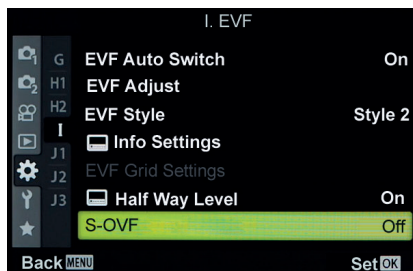
2) In EVF Adjust, continue via OK, and adjust the color and brightness while looking through the viewfinder.



You can find more information about adjusting the viewfinder on page 553 of the instruction manual.

6.7 Simulated Optical Viewfinder (S-OVF)

This function makes the EVF behave as an optical viewfinder, showing the scene without any compensation, white balance correction, etc. It is enabled as follows:



1) In Custom Menu I EVF, select **S-OVF** and enable it by pressing OK.



You can find more information about S-OVF on pages 89 and 557 of the instruction manual.



Recommendation by **Martín Gallego**

This function does not show any settings you may have introduced before shooting. If you activate it by mistake or forget that you have activated it, it will give you the impression that the camera is not functioning correctly. I prefer to keep this function disabled.



7 REAR MONITOR

Besides allowing you to view photographs before and after taking them, the main functions of the monitor are menu navigation and using the touch screen to take and review photographs. You can configure it for easy use with a special emphasis on power saving.

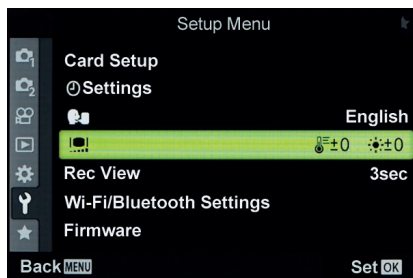
7.1 Activating the Monitor for Live View

Press the button indicated below to activate the rear monitor. Pressing it a second time will return the image to the viewfinder.

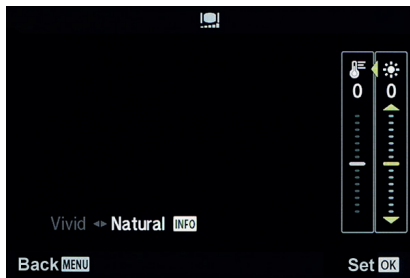


7.2 Rear Monitor Brightness and Color Adjustment

You can adjust the monitor brightness and color temperature as desired when playing back images. Proceed as follows:



1) In Setup Menu, select the rear monitor and confirm by pressing the joystick or OK.

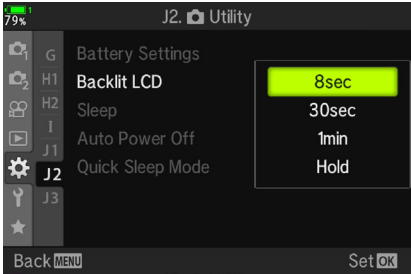


2) Adjust the desired brightness and color.

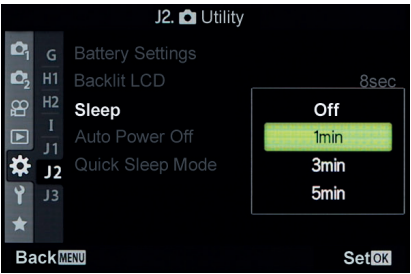
You can select the image saturation between Vivid or Natural by pressing the INFO button. The color modification will only affect the image playback.

7.3 Automatic Monitor Dimming and Sleep Mode

You can set the amount of time before the rear monitor dims if it is not used for live view or as a touch screen. The shorter this time period, the more power you save. You can do this in two different ways, the first is as follows:



1) In Custom Menu J2, **Backlit LCD**, select 8 sec and confirm with OK.



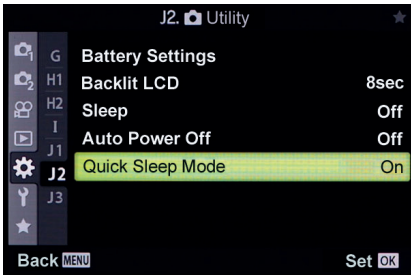
2) In Custom Menu J2, Sleep mode, select **1 min** and OK.

This means the camera will dim after 8 seconds of inactivity and will switch to sleep mode after 1 minute. You can press any button to return to an active state.



You can find more information about **Backlit LCD** and **Sleep Mode** on pages 561 and 562 of the instruction manual.

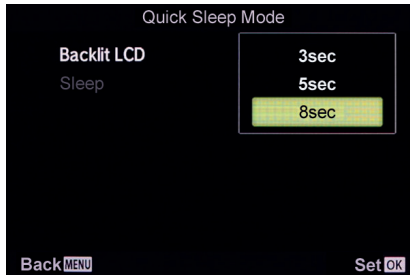
The other way of saving power is based on Quick Sleep Mode, which is not triggered if you are using the rear monitor's live view or if you are looking through the viewfinder. Quick Sleep Mode is configured as follows:



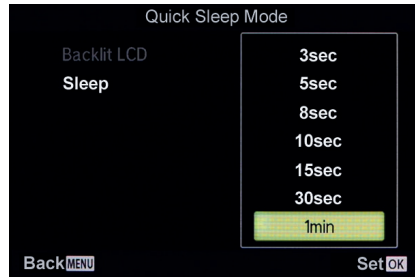
3) In Custom Menu J2, select Quick Sleep Mode and press OK.



4) Select **On** and press the right arrow using the control buttons or the joystick.



5) In Backlit LCD, select **8 sec** and confirm via OK.



6) In Sleep mode, select **1 min** and confirm with OK.

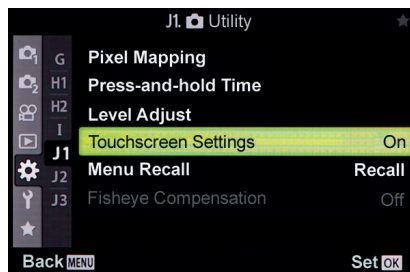
When Quick Sleep Mode is active, the ECO sign is displayed in green on the monitor and viewfinder.



You can find more information on Quick Sleep Mode on page 563 of the instruction manual.

7.4 Enabling Touch Screen

In some circumstances, it is very useful to be able to compose, focus, and shoot from the touch screen, for example, when it comes to street photography, macro photography, and recording movies. In addition, it can also be used as a quick way to view images in playback mode. Proceed as follows to enable the touch screen:



1) In Custom Menu J1, enter **Touchscreen Settings**, and select On. Confirm with OK.

Once the touch screen has been enabled, a soft button will appear on the left of the rear monitor with three possible settings that you can switch between by tapping it successively:



One-touch focus

2) In the first setting, the focus is established automatically by touching the chosen area on the screen. If you tap on the target rectangle displayed over the selected area, a magnifying glass appears enabling you to zoom in on the area.



Focus and shooting

3) In this setting, if you touch the selected area, the camera will focus automatically and then take a picture. If you have selected sequential shooting mode, you can leave your finger down and it will continue taking pictures until you release the button.



Touch screen disabled

4) The icon remains in case you would like to quickly activate the function.

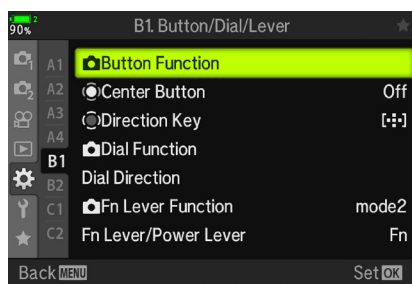


You can find more information about the touch screen on pages 54, 58, 298, and 303 of the instruction manual.

8

CONFIGURING THE BUTTONS, DIALS,
LEVER, AND JOYSTICK**8.1 Assigning a Function to a Direct Access Button**

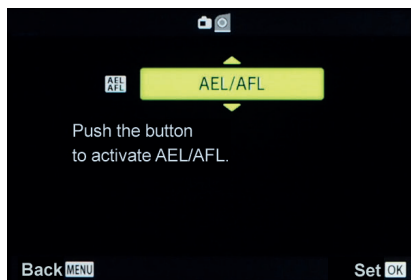
The Olympus E-M1X features various buttons for direct access to functions, which you can configure freely. The functions selected may vary for each user, but the method for setting up the buttons is the same. We can use as an example the light metering lock function (also known as AEL – auto exposure lock), which you can assign to the top of the four buttons on the front of the camera next to the lens:



1) In Custom Menu B1, select **Button Function** and continue via OK or by pressing the joystick.



2) Select the desired button from the list and continue with OK.



3) Select the **AEL/AFL** function using the control buttons or joystick and confirm with OK.

This assignment of a function to a button applies to a horizontal camera position. For vertical position, there is a similar button that you could configure using the same method outlined above.



You can find more information on pages 463 and 498 of the instruction manual.

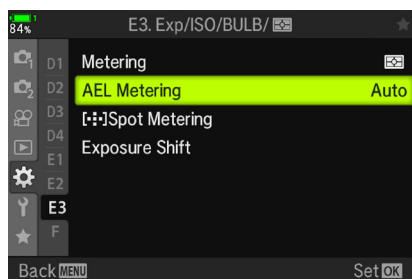
8.2 Assigning Spot Metering Lock to a Button



Recommendation by **Martín Gallego**

In some scenes the main subject can have very different lighting to its surroundings, so I always configure a button to measure light over it through spot metering and which saves the value to take several shots.

In the previous section 8.1, you assigned the light metering lock function to the top front button. Below, you will specify that it should be spot metering:

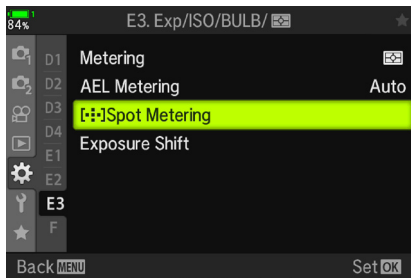


- 1) In Custom Menu E3, select **AEL Metering** and select spot. Confirm with OK.

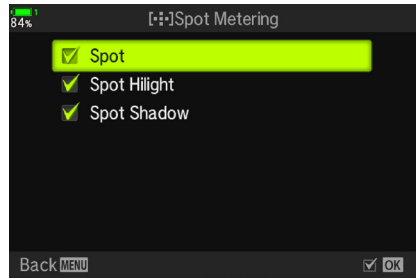


8.3 Adding Spot Metering to the Focus Point (Spot Metering)

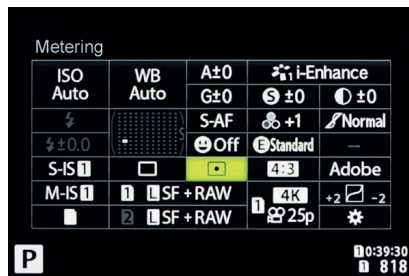
The E-M1X provides the option of having spot metering accompany the focus point. This is how you achieve this:



1) Custom Menu E3, select **Spot Metering** and continue via OK.



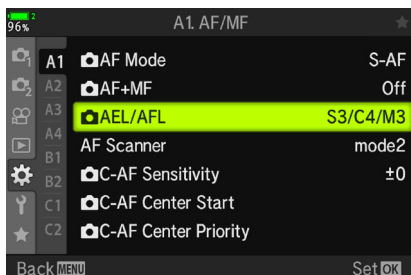
2) Select **Spot** and confirm with OK. Exit via Menu. If you do not want spot metering to accompany the focus, leave the three fields blank.



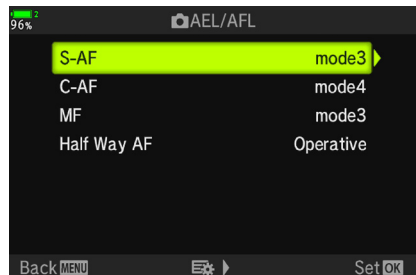
3) Select spot metering in the Super Control Panel.

8.4 Configuring the Buttons for the Different Focus Modes

You can set the action of the various buttons according to the focus type to establish an order in terms of light metering, focus, and shooting. The recommended options are as follows:



1) In Custom Menu A1, select AEL/AFL and continue with OK.



2) Configure the buttons for each type of focus, starting with S-AF.



3) For S-AF focus in mode 2, the auto focus works by pressing the shutter button halfway, while fully pressing the shutter button meters the light and takes the picture. If you have previously pressed the AEL/AFL button, the light metering will be locked.



4) For continuous focus, or C-AF, mode 4 enables auto focus to start working when you press the shutter button halfway and enables the camera to take the picture when you press the shutter button fully. If you have previously pressed the AEL/AFL button, auto focus will already be working.



5) When using manual focus, in mode 1, light metering takes place when you press the shutter button halfway and the picture is taken when you press the button fully. If you have previously actuated the AEL/AFL button, the light metering will be locked.



6) If you would like the AF to function by pressing the shutter button halfway in modes 3 and 4, you will need to enable this function.



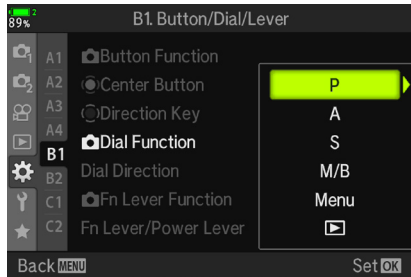
You can find more information on pages 141 and 482 of the instruction manual.

8.5 Configuring the Dials

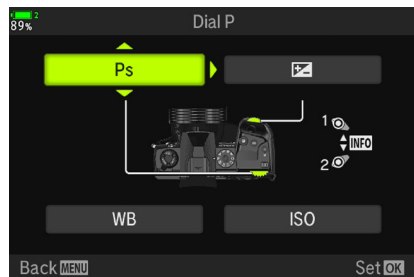
This sample configuration is designed so that the exposure compensation in all shooting modes is adjusted via the rear dial, and the front dial is used to vary the shutter speed in mode S, the aperture in mode A, and so on. In addition, you will have the magnify function on the front dial in playback mode. Proceed as follows:



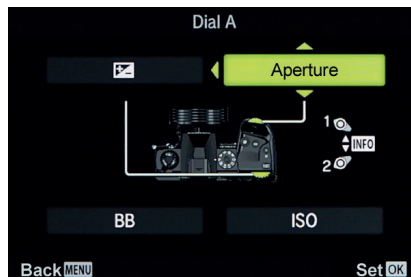
1) In Custom Menu B1, select **Dial Function** and continue by pressing OK or using the joystick.



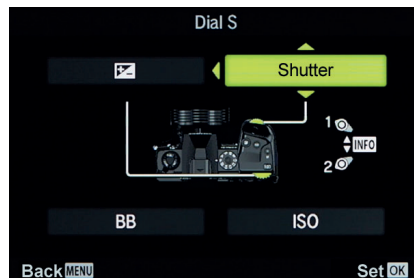
2) First, select shooting mode P and press OK to continue.



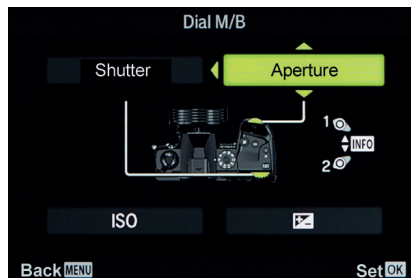
3) Assign exposure compensation to the rear dial and program shift to the front dial. Confirm with OK.



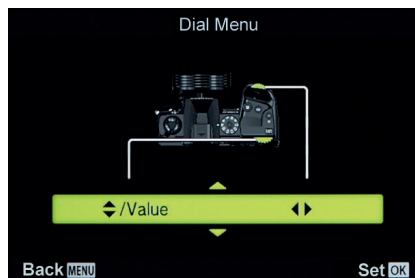
4) Next, go to mode A and assign exposure compensation to the rear dial again, and assign aperture adjustment to the front dial.



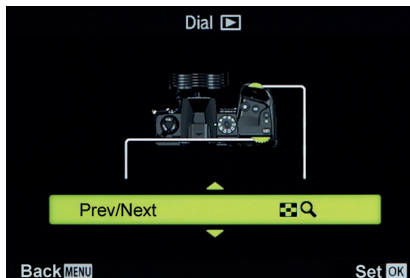
5) In mode S, continue in a similar manner, assigning exposure compensation to the rear dial. Confirm with OK.



6) In manual or mode M and mode B, assign aperture to the front dial and shutter (i.e., shutter speed) to the rear dial.



7) In the menu, the dials are also used to move through the various options, although the joystick or control buttons are more practical.



8) In image playback mode, the dials can be used to enlarge the photo, in this example using the front dial, and to scroll through images with the rear dial. Confirm with OK and exit via Menu.

Of course, this dial configuration is an example and every user will have their own preferences with slight variations.



You can find more information on pages 500 and 473 of the instruction manual.



8.6 Fn Lever

This lever has two positions and can be configured to toggle between photo and movie modes, used as a switch, or used to change different configurations for AF and focus point. These are the options:



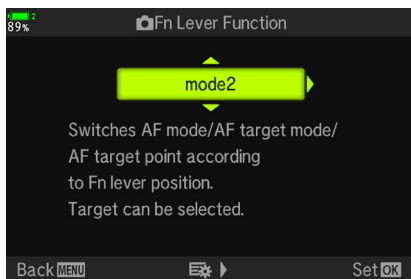
1) Fn lever



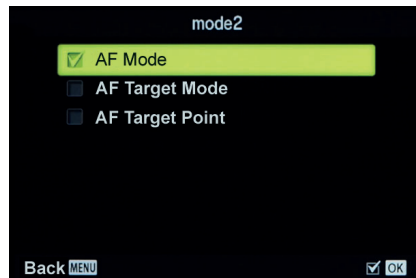
2) Select Custom Menu B1, **Fn Lever Function** and continue via OK.



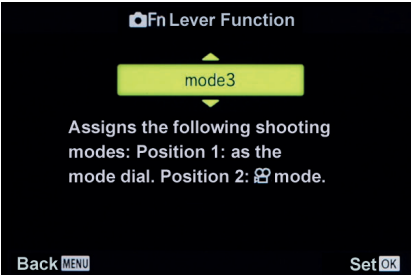
3) In mode 1, the lever switches between the main dial function (see section 8.5 in this guide) and the secondary function that appears in the bottom of said configuration.



4) Mode 2 is used to choose between the standard setting or another configurable setting relating to AF type and focus points. To do this, continue with OK.



5) Select the alternative functions you would like for the lever via OK and exit via Menu.

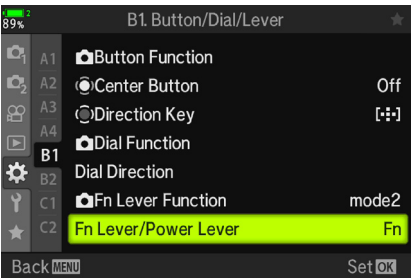


6) Mode 3 is for switching to movie with the Fn lever in position 2.



7) The Fn lever has no effect when in Off mode.

You also have the option of having the Fn lever act as a power on / off switch, voiding the original ON-OFF button. You can configure this as follows:



8) In Custom Menu B1, select **Fn Lever/Power Lever** and continue with OK.



9) In option **Power 1**, the Fn lever becomes an on/off switch. Position 1 switches the camera on and position 2 switches it off.



10) In option **Power 2**, the Fn lever becomes the on/off switch. Position 1 is off and position 2 is on.



11) In **option Fn**, the Fn lever performs the functions assigned in the previous menu section and the original ON/OFF button becomes the power switch again.



You can find more information about the Fn lever on pages 475 and 501 of the instruction manual.



Recommendation by **Martín Gallego**

If you do not assign a set function to the Fn lever, it is a good idea to leave it disabled because actuating it unintentionally when it is enabled could cause the camera to behave in an unexpected manner, and you will not know the reason for this until you check if the lever is in the correct position.

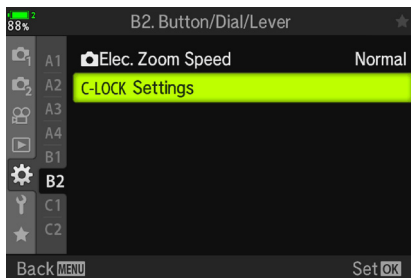
8.7 C-LOCK Lever

The function of the C-LOCK lever is to block buttons and dials to prevent unintentional actuation. This is how it works:

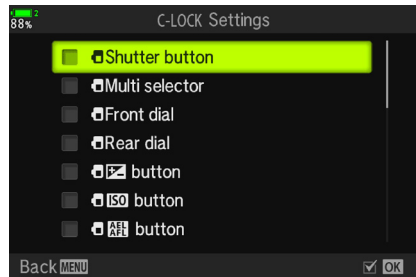


1) C-LOCK lever

This lever has three positions. In the middle position, it does not actuate; in the LOCK position, the buttons and dials of the vertical grip do not function; in C-LOCK position, you can block an entire series of buttons and dials of your choosing via the menu. Proceed as follows to configure this:



2) In Custom Menu B2, select **C-LOCK Settings** and continue via OK.



3) Select all the buttons and dials you would like to block and exit via Menu. This means that all the selected elements will stop working when the lever is in the C-LOCK position. This function is intended for vertical camera use.



You can find more information about the C-LOCK lever on page 503 of the instruction manual.

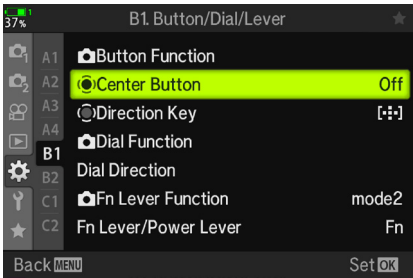
8.8 Joystick Use and Configuration

Also known as the multi selector or center button, it can be used to move the focus point, navigate through the menu, or scroll through images, and it acts as a confirmation button when you press down on it. One is intended for the horizontal camera position and the other is for when the camera is rotated to the vertical position:

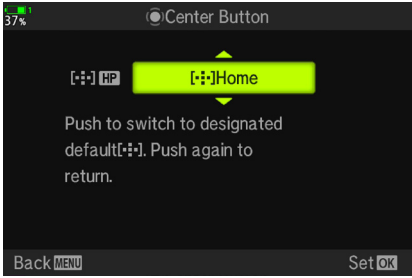


1) Joysticks

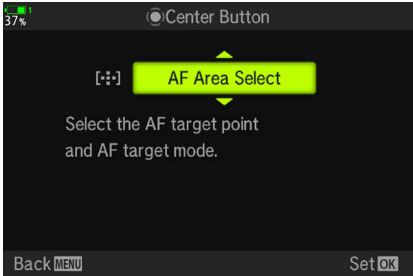
Proceed as follows to set its operation and functions:



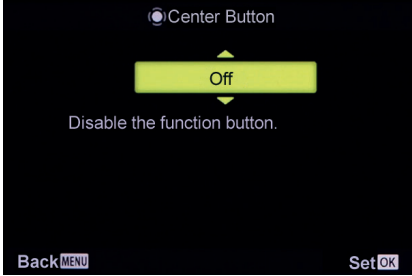
2) In Custom Menu B1, select **Center Button** and continue via OK.



3) The starting position causes the focus points to return to the default initial values when the joystick is pressed if these have been programmed, for example, to the center. If you press it again, the focus point returns to its previous position.

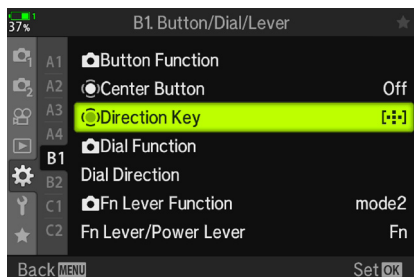


4) In addition to moving the focus point, by pressing the joystick you display the functions of focus point type and face detection, which can then be modified using the dials.

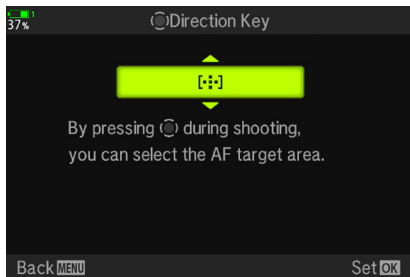


5) When disabled, the joystick only works to move the focus points in picture shooting mode.

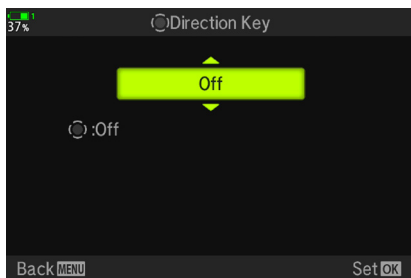
To completely disable this command, proceed as follows:



6) In Custom Menu B1, select **Direction Key** and continue via OK.



7) Two options will appear: The first is to activate the joystick as shown in the image.



8) The second option disables all functions for this button. Confirm via OK.



Recommendation by **Marisa Martínez**

I recommend using the multi selector (joystick) for positioning the AF area, as this allows you to make efficient use of the innovative diagonal movement that allows you to move quickly, which is essential for action photography.



You can find more information about the joystick, or multi selector, on pages 22, 123, and 499 of the instruction manual.

9 CUSTOM CONFIGURATION

The Olympus E-M1X features four shooting modes that can be freely modified to save your favorite settings for different types of scenes. You can also return to the default factory settings if required via the following steps:

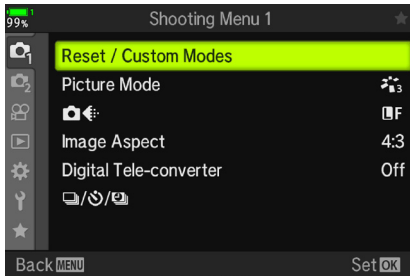
9.1 Custom Modes C1, C2, C3, and C4



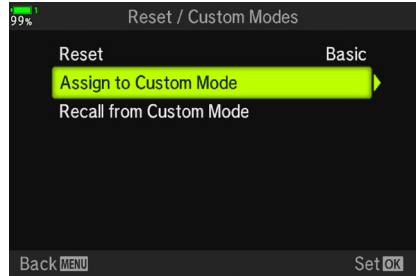
In the top mode dial you have four options for saving your custom settings, called C1, C2, C3, and C4. When you select any of these, the camera will load the previously stored configuration.

9.2 Saving Configurations in C1, C2, C3, and C4

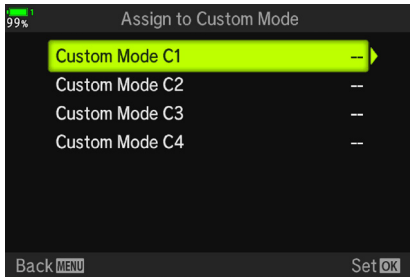
Proceed as follows to save your custom settings:



1) In Shooting Menu 1, select **Reset / Custom Modes** and continue with OK.



2) Select **Assign to Custom Mode** and continue via OK.



3) Select one of the modes and confirm with OK.

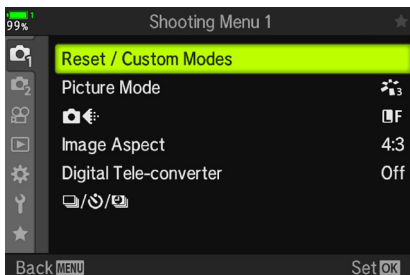


4) Select **Set** and confirm with OK.

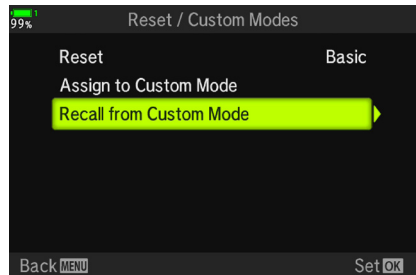
This allows you to save four custom camera configurations. You can access these later by turning the dial to the position C1, C2, C3, or C4.

9.3 Recovering Custom Settings

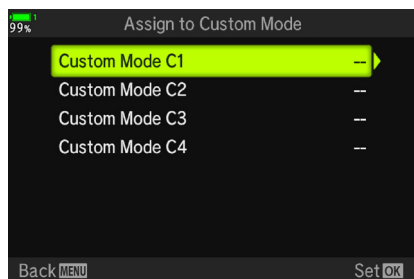
You can load custom settings previously stored in C1, C2, C3, and C4. This may be useful if you modified parameters of a previously saved mode, which you do not like. Proceed as follows:



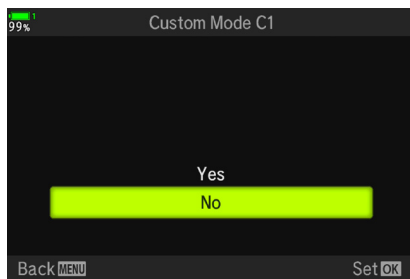
1) In Shooting Menu 1, select **Reset / Custom Modes** and continue with OK.



2) Select **Recall from Custom Mode** and continue via OK.



3) Select the Custom Mode you want and continue with OK.

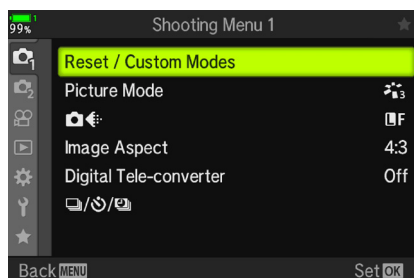


4) Select **Yes** and confirm with OK.

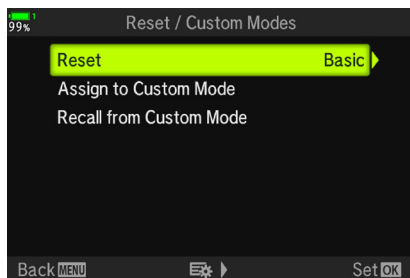
This means you will revert to the originally stored settings for the selected mode.

9.4 Resetting all Functions

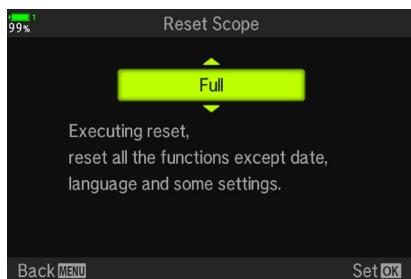
In some cases, it may be convenient to return to the camera's factory settings, for example, to eliminate undesired or unintentional settings. Proceed as follows to do this:



1) In Shooting Menu 1, select **Reset / Custom Modes** and continue with OK.



2) Select **Reset** and continue with OK.



3) Select **Full** and confirm with OK.

Please note that if you perform a full reset, you will lose all custom settings saved in C1, C2, C3, and C4.

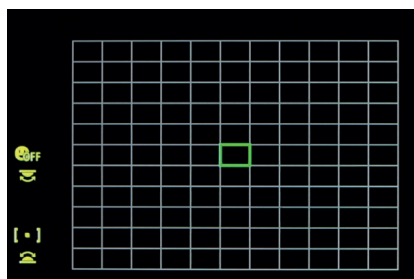


You can find more information about Custom Modes on pages 98, 111, and 458 of the instruction manual.

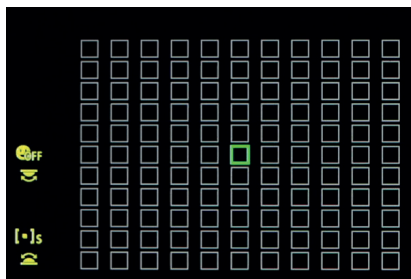
10 FOCUS POINTS

10.1 Selecting the Focus Point Type

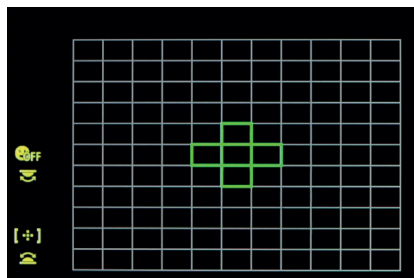
There are different size focus areas for the camera to automatically search for the focus. Each focus area tends to be suitable for a certain type of photography and auto focus mode; with the Olympus E-M1X, you can even freely configure the position and number of focus points. You can access the different types of focus points that come by default as follows:



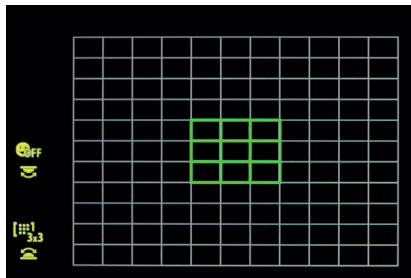
1) The initial focus point appears by pressing a control button. If you rotate the front dial, the different types of focus points or areas will begin to appear.



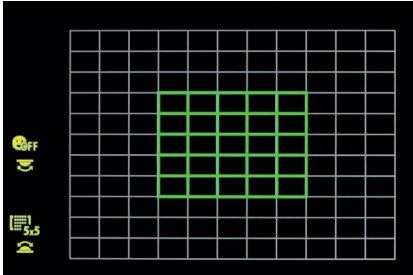
2) The next to appear is a small point, best suited to precise focusing on small elements.



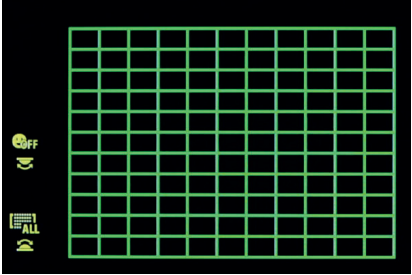
3) Turning the front dial again displays a 5-point cross. As with the rest of the points, you can move it to any area on the viewfinder.



4) The next to appear is a 9-point square. These are usually used in combination with continuous focus for moving objects.



5) You also have a movable 25-point grid, which, like the previous one, is usually used in combination with C-AF.



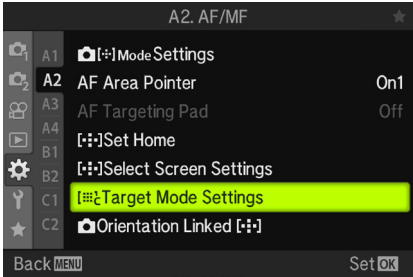
6) The last to appear is the entire active point grid, which is unsuitable for focusing on a specific, static point. It would be more suitable, for example, in combination with C-AF + tracking, for detecting and tracking a moving subject located anywhere within the viewfinder.



You can find more information about focus points or areas on pages 120, 352, and 486 of the instruction manual.

10.2 Target Mode Settings (Configurable Focus Point Groups)

The Olympus E-M1X allows you to create up to 4 custom focus point groups and add them to the default ones. You can do so as follows:



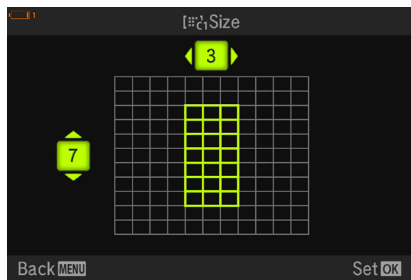
1) In Custom Menu A2, select Target Mode Settings and continue with OK or by pressing the joystick.



2) Select C1 and continue with OK.



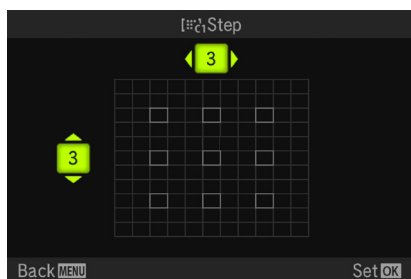
3) Select Size and continue with OK.



4) Use the front and rear dials to set the area to be covered by the focus points. Confirm with OK.

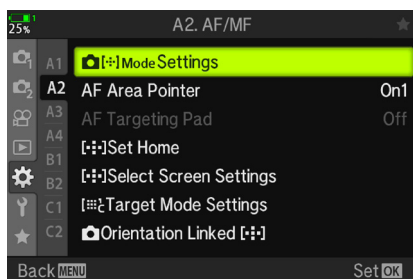


5) Next, select Step and confirm with OK.

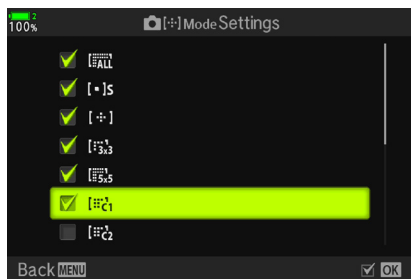


6) Use the front and rear dials to select the distribution of the focus points within the created area. Confirm with OK.

You have now configured a new focus point group called C1. Now you need this new option to be added to those available by default. Proceed as follows:



7) In Custom Menu A2, select + Mode Settings and continue with OK.



8) Press OK to confirm the new configured focus point groups, from C1 to C4. Exit via Menu.

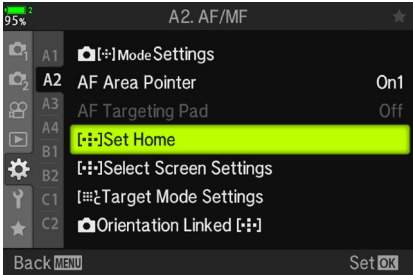
Now when you access the selection of different types of focus points, the camera will also show you the custom ones you created and saved.



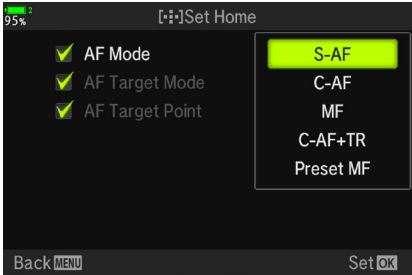
You can find more information on pages 125, 485, and 488 of the instruction manual.

10.3 Focus Settings when Switching on the Camera

You can set which type of focus point you want, where it is situated, and the auto focus mode the camera will use every time you switch it on. In the example, this will be a single focus point centered with single auto focus S-AF. Proceed as follows:



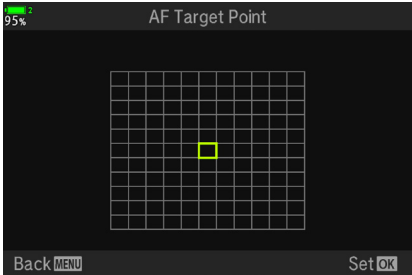
1) In Custom Menu A2, select **Set Home** and confirm with OK.



2) Switch to AF mode and select a type, in this case **S-AF**. Confirm with OK.



3) In AF Target mode, select the type of focus point – just one point for the example.



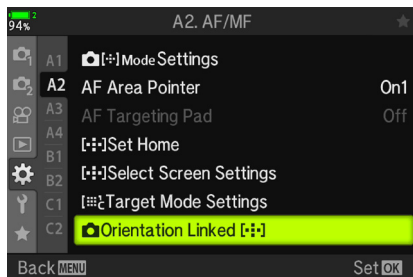
4) Lastly, enter AF Target Point and select the position the focus point will assume every time you switch on the camera. In this case, place it in the center with the joystick or the control buttons and confirm with OK.



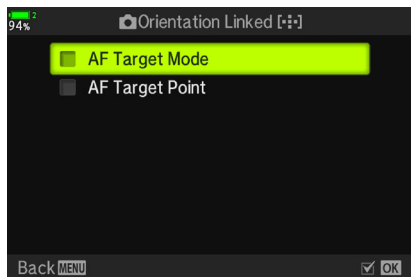
You can find more information about initial AF settings on page 487 of the instruction manual.

10.4 Linking the Focus Point to the Orientation

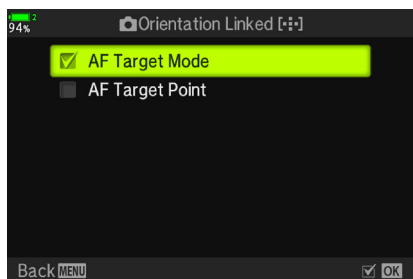
The camera offers the option of linking or differentiating the type of focus point and its position within the frame when going from horizontal to vertical. The possibilities offered include:



1) In Custom Menu A2, select **Orientation Linked** and confirm with OK.

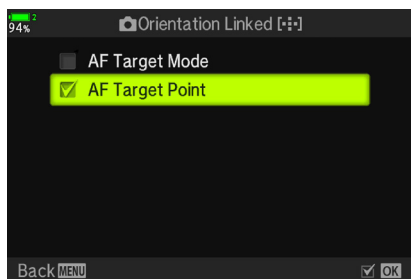


2) When the two options remain unselected, the focus point is the same type both horizontally and vertically, and does not move when the camera is rotated.

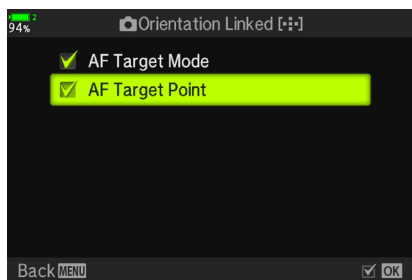


3) If you only activate **AF Target Mode**, you can have one type of focus point in horizontal and another in vertical if you see fit, but this focus point will not move from its initial position when the camera is rotated.

In order to have a different focus point in vertical, select AF Target Mode, exit via Menu, and select a focus point different to the one used in horizontal. The camera will save it.



4) If you only select **AF Target Point**, when moving from horizontal to vertical the focus point changes position to be situated more or less in the same area as in the horizontal frame. The type of focus point does not change.



5) If you select both options, you can have (if desired) different types of focus points for horizontal or vertical, and the focus point will move to assume similar positions within the frame when the camera orientation changes.

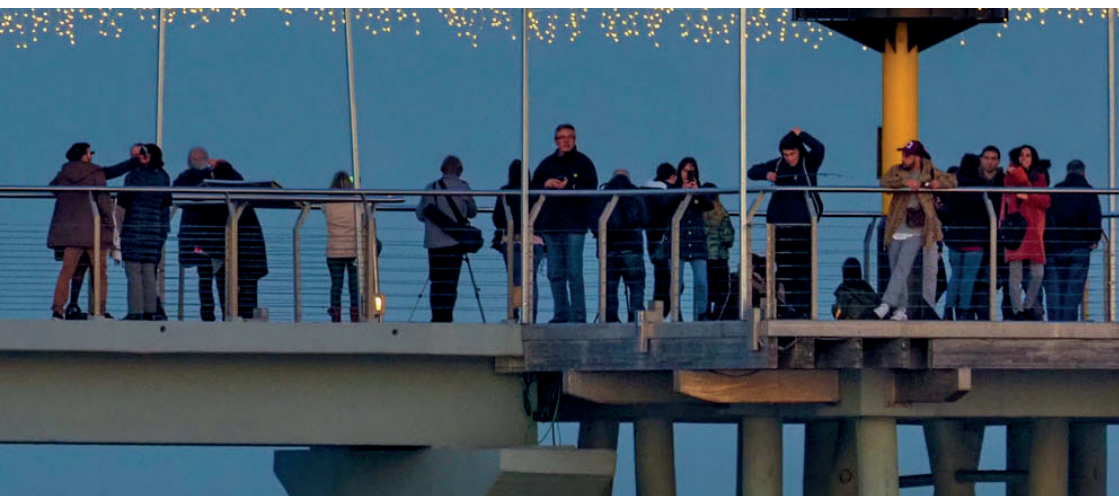


Recommendation by **Marisa Martínez**

By configuring the link to the orientation, when you photograph moving objects or subjects, it will allow you to quickly change the position of the camera from horizontal to vertical when the subject approaches or changes its position unexpectedly, having previously set the position and the type of AF area to its orientation (if you see a bird in flight and are photographing horizontally, you can set '9-Target Group (3 × 3)', and when the bird arrives at a usual resting place, set the 'single target' mode by positioning the camera vertically.)

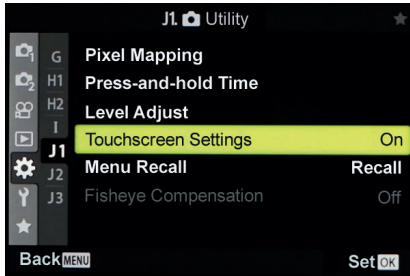


You can find more information on page 489 of the instruction manual.

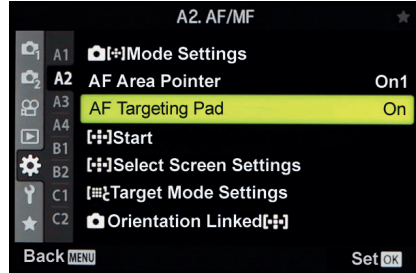


10.5 AF Targeting Pad

This function can be used to select the focus point with your finger while looking through the viewfinder. You must first activate the touch screen. This is done as follows:



1) In Custom Menu J1, select and activate **Touchscreen Settings**.



2) In Custom Menu A2, activate **AF Targeting Pad**.
The focus will already be activated upon touching the rear monitor while looking through the viewfinder.



You can find more information about the **AF Targeting Pad** on page 486 of the instruction manual.



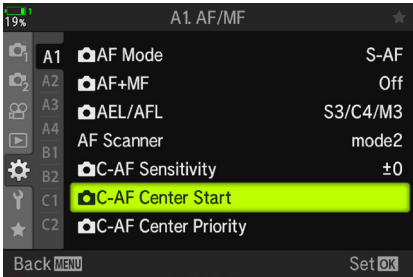
Recommendation by **Martín Gallego**

If you forget that you have left the "AF Targeting Pad" function enabled, you could activate the auto focus with your nose while looking through the viewfinder. I recommend disabling this function when you finish using it.

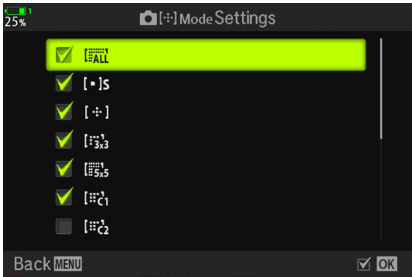


10.6 C-AF Center Start


You can configure the focus point groups so that in C-AF the camera begins searching for a subject to focus on from the center. Proceed as follows to do this:



1) Custom Menu A1, select **C-AF Center Start** and continue via OK.

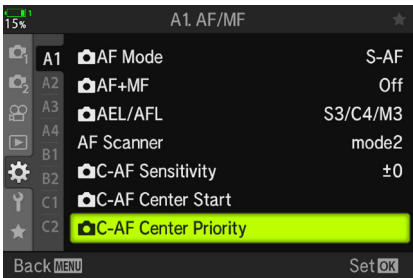


2) Use OK to select all the focus point groups for which you would like this feature to be effective. Exit via Menu.

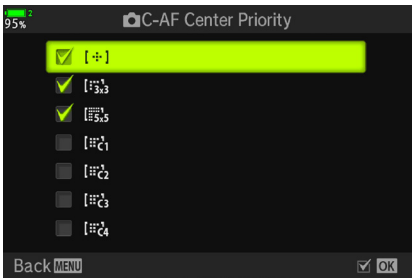
 You can find more information about **C-AF center start** on pages 147 and 483 of the instruction manual.

10.7 C-AF Center Priority


When you activate this feature in C-AF, the camera will give priority to the central focus point within a group of focus points. You can activate it as follows:



1) In Custom Menu A1, select **C-AF Center Priority** and continue via OK.



2) Select all the focus point groups for which you would like this option to be effective and exit via Menu.

 You can find more information about **C-AF center priority** on pages 148 and 484 of the instruction manual.

11 FOCUS MODES

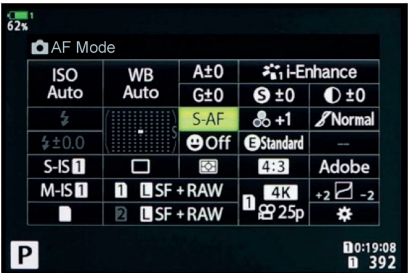
The Olympus E-M1X features different types of auto focus for any photographic situation or user preference. This section will explore these in detail.

11.1 Description of Focus Modes.

The table below consists of the different types, their description, and their usage:

S-AF (Single AF)	The camera focuses as soon as the shutter button is pressed halfway. When the focus is ready and locked, you can hear an indicator sound and both the AF confirmation mark and the focused AF area will light up. This mode is ideal for taking pictures of objects that are stationary or have limited motion.
C-AF (Continuous AF)	The camera repeats the focus while the shutter button remains pressed halfway. When the subject is in focus, the AF confirmation mark on the monitor lights up, and when the focus is achieved for the first time, the acoustic signal is heard. Even if the object moves or if you move the camera, it keeps attempting to focus while the shutter button is pressed halfway. Suitable for objects in motion.
MF (Manual Focus)	Focus is achieved manually by rotating the lens hood. Suitable for special situations or for lenses without auto focus, be they old or modern.
C-AF+TR (Continuous AF + Tracking)	While the shutter button is pressed halfway, the camera will track an object in motion. When the focus is locked, the AF area is displayed in green and the subject is tracked even if it changes position. When the AF area is displayed in red, this means the focus has been lost. Release the shutter button and start again. Suitable for objects in continuous motion.
PreMF (Preset Manual Focus)	The camera focuses at a pre-selected distance. Only valid for lenses with auto focus. (see section 11.9 of this guide).

In order to access the various focus modes, open the Super Control Panel and select the corresponding field using the joystick or the control buttons. Once the field is highlighted in yellow, turn the front dial to select the desired focus type.



You can find more information about the focus modes on pages 115 and 345 of the instruction manual.



Recommendation by **Jairo Díaz**

Single AF

I use this when I want to photograph a static subject.

C-AF

I usually use this one for motion photography, particularly for motorcycling. I like having control of the subject focus at all times.

C-AF+TR

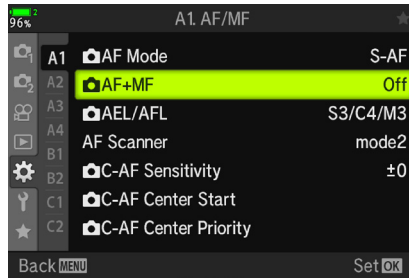
For motorcycling, I usually use this one for front or rear motion photography, and for other sporting disciplines such as kitesurfing or surfing, which don't have an excessive shooting distance; it works perfectly.

Jairo Díaz
OM-D E-M1X + M.Zuiko Digital ED 40-150mm F2.8 PRO



11.2 Adding Manual Focus to any Focus Mode

We can enable manual focus adjustment for any type of focus. Proceed as follows to activate this function:



At this point, each focus mode will add the MF option to their name. When you focus in automatic mode and the camera confirms the focus, you can finish adjusting the focus manually using the lens hood without releasing the half-pressed shutter button, and then shoot. When you add manual focus to the different focus modes, their names change as follows:

Manual Focus activated

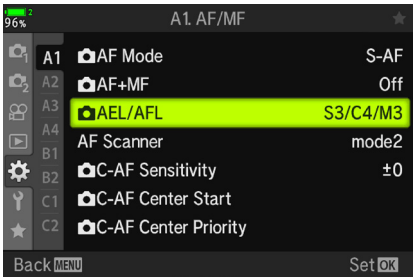
S-AF	S-AF MF
C-AF	C-AF MF
MF	MF
C-AF + TR	C-AF + TR MF
PreMF	PreMF



You can find more information about adding manual focus on pages 115 and 481 of the instruction manual.

11.3 Dissociating Focus and Shooting

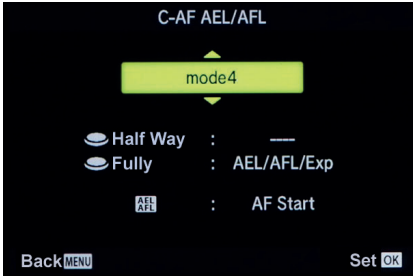
For some specialty action photography, it may be useful to assign the start of C-AF automatic focusing to a button other than the shutter. While you keep this button pressed, the camera will attempt to focus and you can then take pictures by pressing the shutter button when you are ready. To do this, you need to configure the buttons as follows:



1) In Custom Menu A1, select **AEL/AFL** and continue with OK.



2) Select **C-AF** and continue with OK.



3) Select **mode 4** and confirm with OK or by pressing the joystick.



4) For the option **Half Way AF**, select Inoperative.

5) AEL/AFL button



With this configuration, the camera will focus while you keep the AEL/AFL button pressed, and will meter light and take pictures when you fully press the shutter button. You can select a button other than AEL to start the focus, see section 8 of this guide.

You can also make focusing start via the AEL/AFL button as well as by pressing the shutter button halfway in mode 4 of C-AF. To configure this, you must activate the Half Way AF function, which only affects modes 3 and 4. This is done as follows:



6) Select the Half Way AF option and select Operative. Confirm with OK.



7) Mode 4 now allows you to focus by pressing the shutter button halfway or by pressing AEL/AFL.



11.4 Auto Focus on Moving Objects



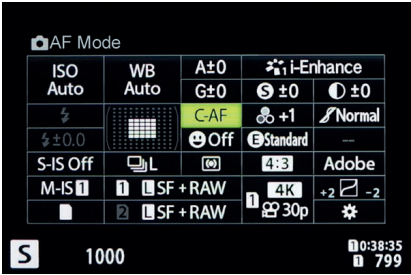
Recommendation by **Martín Gallego**

The method explained below is a configuration you can adjust according to your needs and experience. When carrying out tests, I recommend modifying just one parameter at a time and checking the result before making another modification.

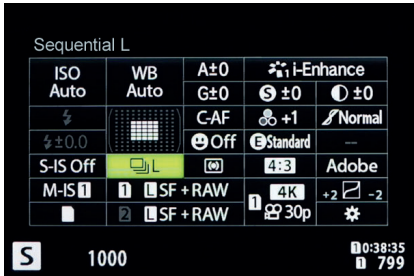
This suggested configuration is suitable for hand held photography of fast-moving subjects using a telephoto lens in daylight. Proceed as follows:



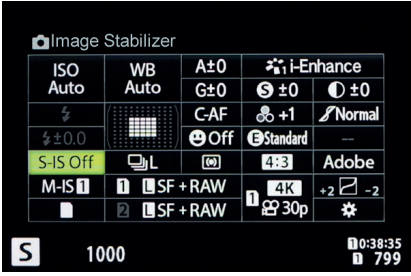
1) Select S on the mode dial as you will be using a high shutter speed, for example, 1/1000 sec.



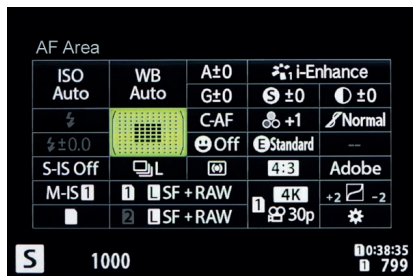
2) C-AF focus mode



3) L type sequence, at 10 frames per second.



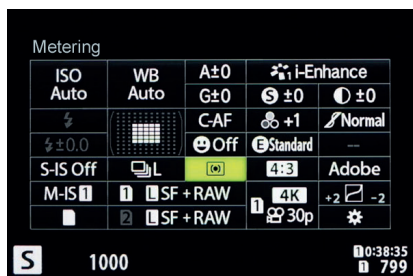
4) Image stabilizer switched off, S-IS Off.



5) 25 focus points grouped in the center.



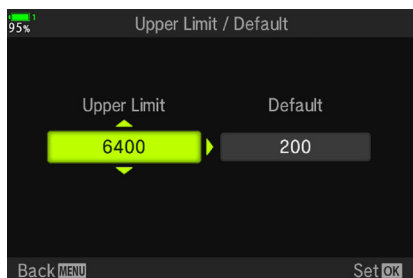
6) It is recommended to disassociate the focus from the shooting as explained in section 11.3 above. This means the focus will function while pressing the AEL/AFL button and you can take pictures by pressing the shutter button.



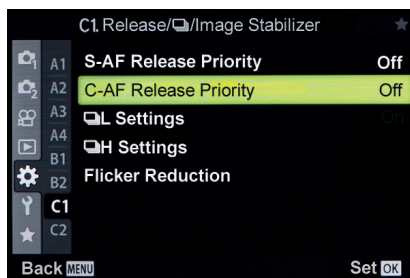
7) Light metering with center priority.



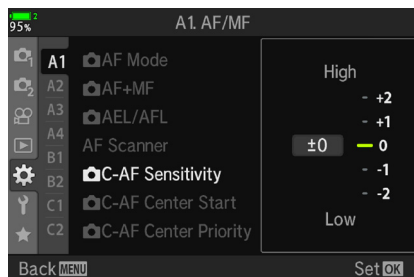
8) Automatic ISO.



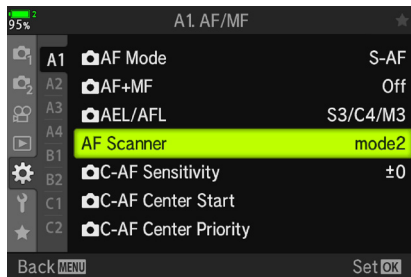
9) Set the ISO upper limit as desired, see section 2.2 of this guide.



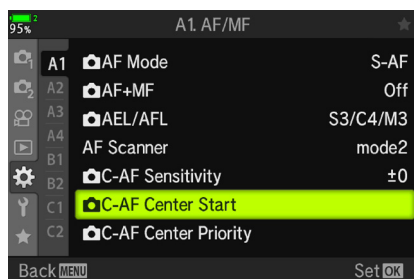
10) Give priority to the focus before shooting in C-AF mode. Go to Custom Menu C1, select **C-AF Release Priority** and leave it set to Off.



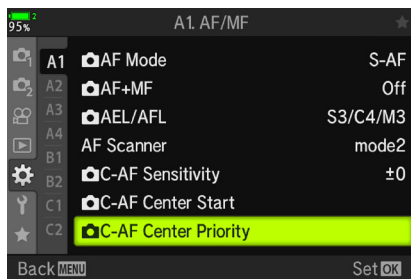
11) In C-AF Sensitivity (see section 11.6) select the sensitivity of the C-AF according to the type of subject movement. For example, if there are branches, leaves, etc., between the subject and the camera, select the C-AF Lock -2. It is best to leave the value at 0 by default and test it depending on the subject and surroundings.



12) Leave the AF Scanner in mode 2 (see section 11.7).



13) Activate the function **C-AF Center Start** for the type of focus points selected (see section 10.6).



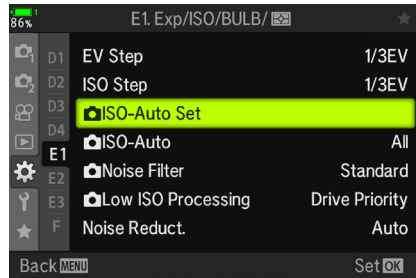
14) Give priority to the center focus point within the group (see section 10.7).

This would be a recommended initial camera configuration for hand held photography of moving objects in daylight. In addition, as a supplement to the above, the Olympus E-M1X offers another alternative way of working based on mode A together with ISO Auto as this mode offers the opportunity to select a fixed shutter speed. This would set a fixed aperture, a shutter speed that ensures movement freezing, and a flexible ISO Auto for adapting to light conditions.

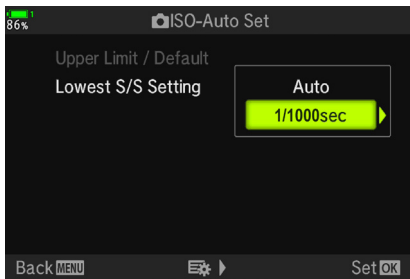
The process is similar to the previous one, only the initial parameters change, which are detailed below:



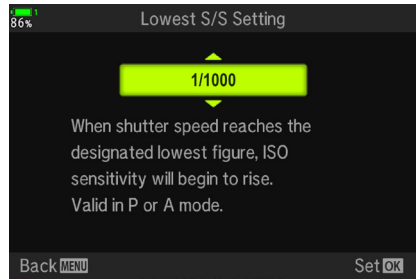
15) Mode A on the mode dial.



16) In Custom Menu E1, select **ISO-Auto Set** and continue with OK.



17) Select Lowest S/S Setting and enter the speed option.



18) Select the minimum desired shutter speed, in this case 1/1000 sec., and confirm with OK.

The rest of the settings are configured as previously outlined from point 2.

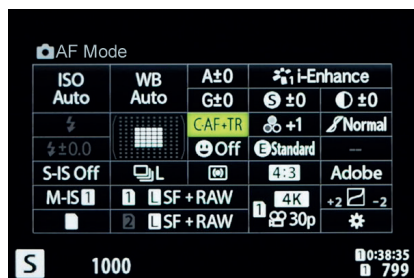


Recommendation by **Martín Gallego**

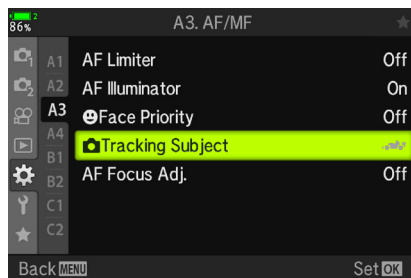
For bird photography from a hide, in addition to the previous configuration, you can use the touch screen to focus and shoot by placing a finger on the screen on the animal's head, bearing in mind that if you leave it on the camera, it will take a sequence of shots until you remove it. If you also have a tripod with a handle like the ones used for video cameras, you can use one hand to move the camera support and follow the animal, and the other to touch the screen to focus and shoot. It is an extremely fast and reliable system based on the experience of the renowned photographer Marcos Lacasa.

11.5 AF for Intelligent Subject Tracking

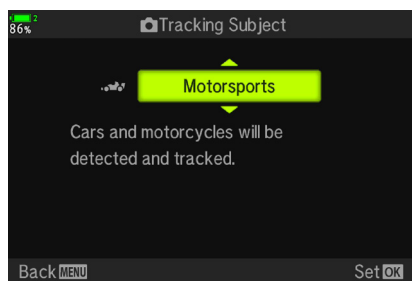
The Olympus E-M1X features an auto focus mode based on C-AF + Tracking, which detects various types of specific subjects using a database and adapts to their movements. You can activate it as follows:



1) Select **C-AF + TR**.



2) In Custom Menu A3, select **Tracking Subject** and continue with OK.



3) Select the subject type and confirm with OK.



You can find more information about subject tracking on pages 149 and 491 of the instruction manual.



Recommendation by **Jairo Díaz**

AF with intelligent subject detection

This is ideal for races and group detection; at a general focal plane with a shutter speed that is not too slow and can give a little movement (1/640) it works perfectly.

11.6 C-AF Sensitivity

This function adjusts the sensitivity of the continuous focus to adapt to the type of movement of the subject and environment. You can access it in the following manner:



1) In Custom Menu A1, select **C-AF Sensitivity** and continue via OK.

A scale will appear, which goes from -2 to +2; the default value is 0. The usefulness of each option is explored in the following table:

+2	Subject with irregular movement, which is moving toward or away from the camera
+1	Subject with regular movement, which is moving toward or away from the camera
0	Default position, suitable for general use.
-1	Subject with horizontal or vertical movement parallel to the camera and few surrounding elements.
-2	Subject with horizontal or vertical movement parallel to the camera and many surrounding elements.



You can find more information about C-AF sensitivity on pages 145 and 483 of the instruction manual.



Recommendation by Jairo Díaz

C-AF Sensitivity

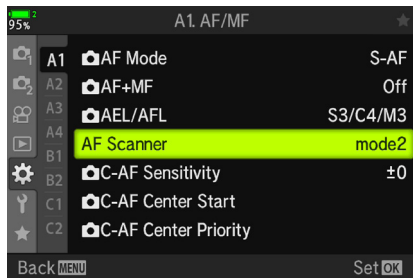
You should adjust the sensitivity based on the subject's speed and the elements you would like to introduce in the final result. If the shooting space is clean and there is no interference between the camera and subject, you can leave it in default mode. If you want to create an open-plan composition and introduce elements between the camera and the subject, it is recommendable to increase the sensitivity to +2 to avoid losing the focus tracking.

Fernando Marmolejo OLYMPUS OM-D E-M1X + M.Zuiko Digital ED 300mm F4 IS PRO

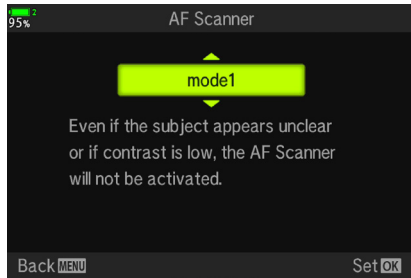


11.7 AF Scanner

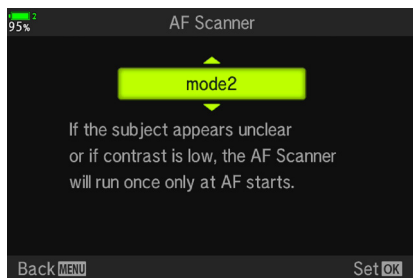
This function regulates the camera's behavior when trying to focus. It does so in three different modes:



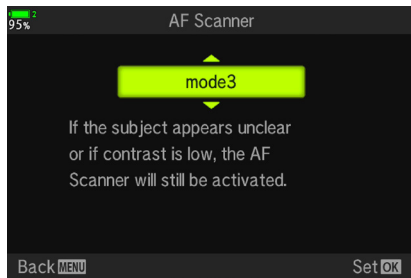
1) Custom Menu A1, select **AF Scanner** and continue via OK.



2) In **mode 1**, the AF does not try to focus if the contrast or brightness conditions are poor.



3) In **mode 2**, the AF will only make one attempt to focus from the minimum focusing distance of the lens to infinity.



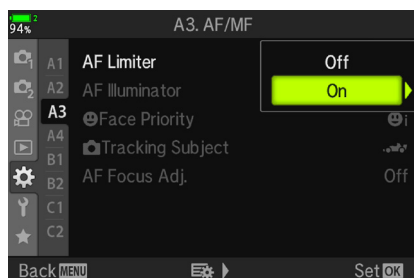
4) In **mode 3**, the AF tries to focus as many times as necessary to find a focus traveling from the minimum focus distance to infinity.



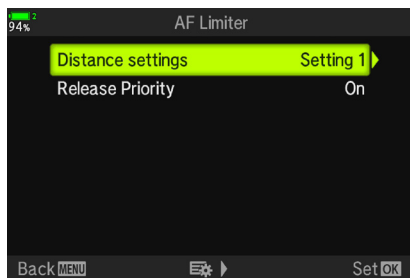
You can find more information about the AF scanner on pages 146 and 482 of the instruction manual

11.8 AF Limiter

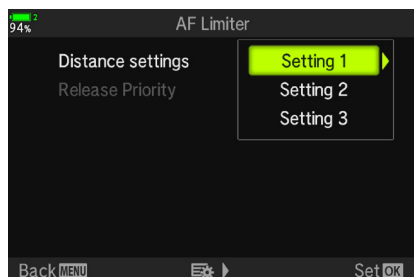
This function limits the minimum and maximum distance at which a lens will focus. This may help to speed up focusing when the subject is at a specific distance as the lens will not have to carry out the full circuit seeking focus. Three distance ranges can be programmed as follows:



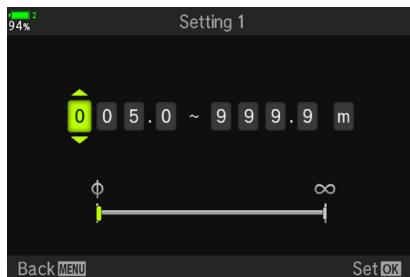
1) In Custom Menu A3, select **AF Limiter** and continue via OK.



2) Select **Distance settings** and continue with OK.

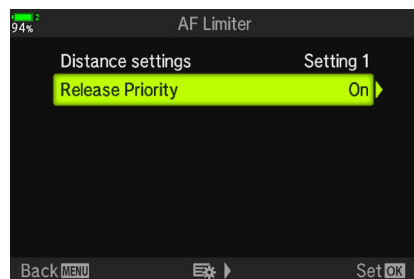


3) Select one of the three settings and confirm via OK.

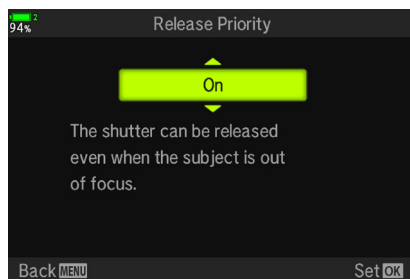


4) Set the range of focus distances and confirm with OK.

You also have the option of shooting even if the lens has not focused. This is not a very useful option, so it can be disabled as follows:



5) Set **Release Priority** to Off.



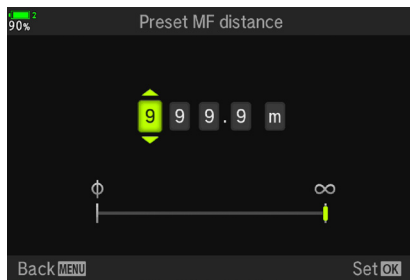
You can find more information about the AF limiter on pages 143 and 490 of the instruction manual

11.9 Preset MF Distance

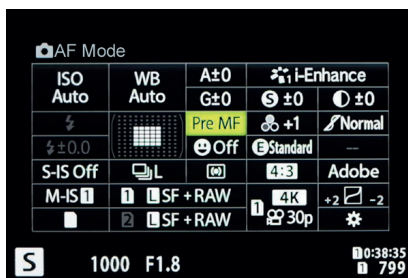
This function can be used to program a specific focus distance when you select the Pre MF option in the focus modes. You can do this as follows:



1) In Custom Menu A4, select **Preset MF distance** and continue with OK.



2) Specify the desired distance and confirm with OK.



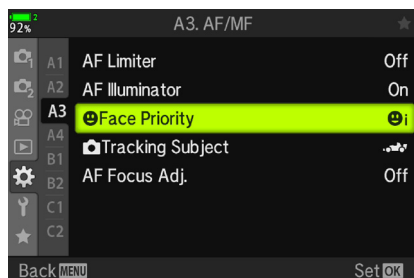
3) In the Super Control Panel, select the Pre MF option



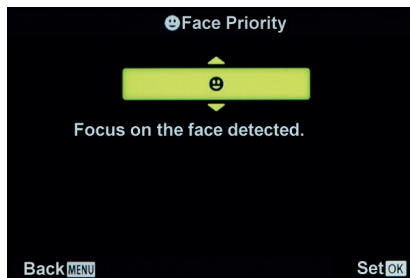
You can find more information on page 494 of the instruction manual.

11.10 Face/Eye Detection

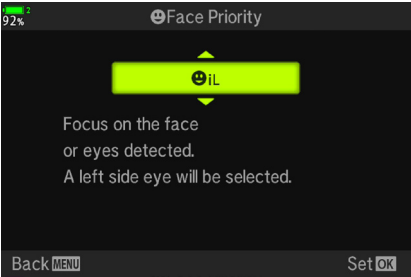
With this function, the camera auto focus gives priority to the face and eyes. Proceed as follows to see the various options and activate them:



1) In Custom Menu A3, select Face Priority and continue via OK.



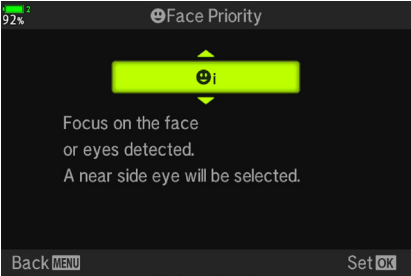
2) The different options will begin to appear. The first is face detection.



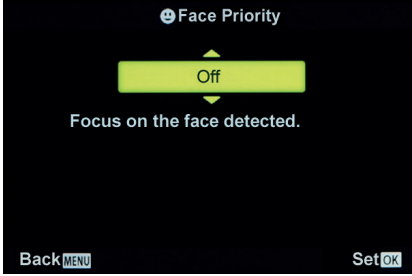
3) In this option, priority is given to focusing on the left eye.



4) This option prioritizes the right eye.



5) With the option shown, the camera will focus on the eye closest to the camera.



6) You can also disable face and eye detection.



7) You can select the face and eye detection modes from the Super Control Panel.

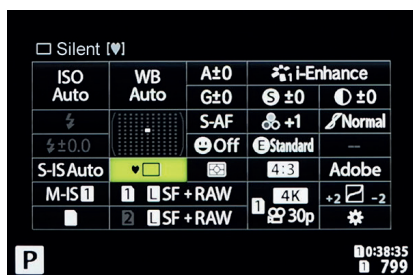


You can find more information about face and eye detection on pages 133, 360, and 491 of the instruction manual.

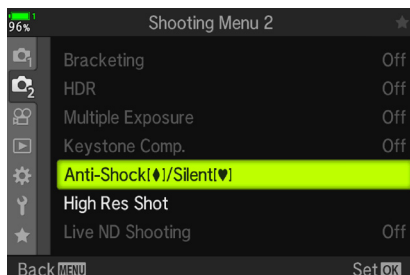
12 SPECIAL SHOOTING MODES

12.1 Silent Mode Settings: Flash Enabled

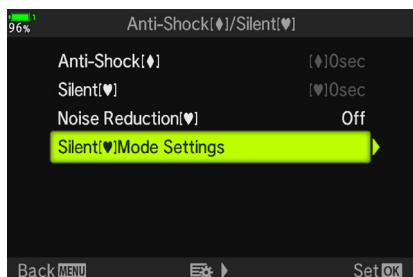
The E-M1X features a silent shooting mode. When it is active, the flash, the focusing aid light, and the acoustic signal when achieving focus will be disabled by default. However, you can enable them. The example below shows you how to enable the flash:



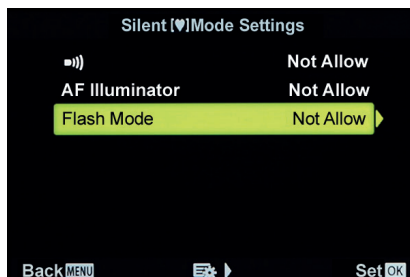
1) Silent shooting mode is represented by a heart symbol next to the single-shot rectangle.



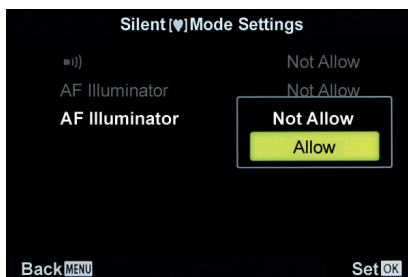
2) Go to Shooting Menu 2, select **Anti-Shock/Silent** and continue with OK.



3) Select **Silent Mode Settings** and continue via OK or by pressing the Joystick.



4) Select **Flash Mode** and continue via OK.



5) **Allow** the flash and confirm with OK.



You can find more information about the silent and anti-shock modes on pages 161 and 520 of the instruction manual

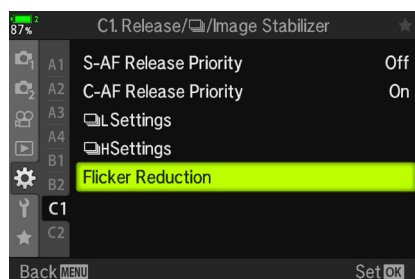


Recommendation by **Martín Gallego**

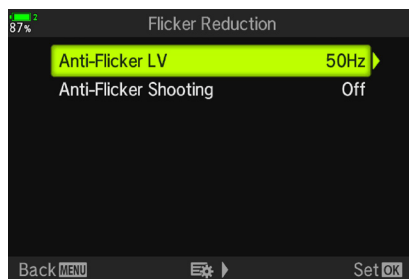
Silent Mode uses the electronic shutter and can reach shutter speeds of 1/32000 sec. This is useful to remember when you need very fast shutter speeds.

12.2 Flicker and Banding Reduction

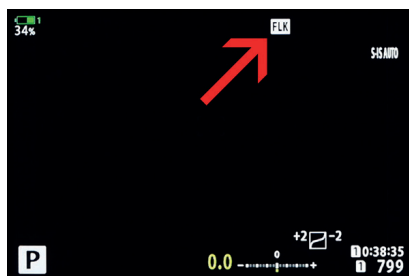
When you take photographs under artificial lights, you may notice some flickering on the screen or the viewfinder, as well as exposure differences between photographs taken in this situation. This is due to the flash frequency or flickering from the lights, which goes unnoticed by the human eye but not by the camera. The flicker reduction function minimizes this effect in both the preview and as the picture is taken. This is how to enable it:



1) In Custom Menu C1, select **Flicker Reduction** and continue via OK.

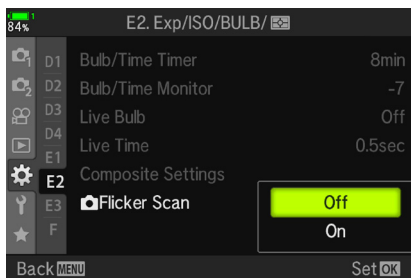


2) Set the **Anti-Flicker LV** to Auto and Anti-Flicker shooting to On.



3) Once these functions are activated, FLX will appear on the screen.

There are other types of lighting that may cause alternate dark and light stripes to appear on the same image, this is an effect known as banding. In order to minimize this effect, you can use the Flicker Scan function based on the electronic shutter, which works in silent mode, in modes S and M, and also with high-resolution and Pro Capture pictures. Proceed as follows to activate it in mode S:



4) In Custom Menu E2, activate **Flicker Scan** and exit via Menu.



5) Next, a display will appear with the Flicker Scan label where you can vary the speed using the front dial until you can see the banding disappear when looking at the rear monitor or through the viewfinder. You can return to the normal display by pressing the Info button; if you want to modify the scan speed again, simply press the Info button repeatedly until Flicker Scan appears.



You can find more information on pages 190, 509, and 536 of the instruction manual.



Recommendation by **Martín Gallego**

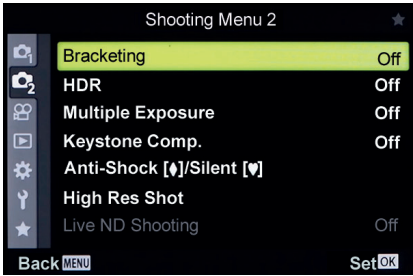
These flicker and banding reduction modes modify the normal behavior of the camera, so it is important to switch them off when they are not needed.

12.3 Focus Bracketing (Focus Stacking)

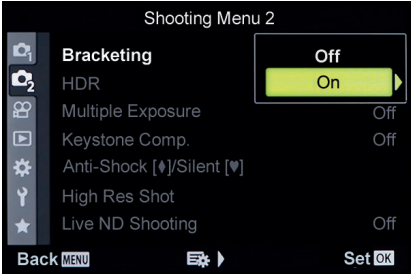
The E-M1X allows you to combine up to 15 images with small variations in the focus point to composite one photograph with a wider focused area. This function is only available with the following lenses:

- M.Zuiko Digital ED **60mm** F2.8 Macro.
- M.Zuiko Digital ED **30mm** F3.5 Macro.
- M.Zuiko Digital ED **7-14mm** F2.8 PRO.
- M.Zuiko Digital ED **12-40mm** F2.8 PRO.
- M.Zuiko Digital ED **12-100mm** F4.0 IS PRO.
- M.Zuiko Digital ED **40-150mm** F2.8 PRO.
- M.Zuiko Digital ED **8mm** F1.8 Fisheye PRO.
- M.Zuiko Digital ED **300mm** F4.0 PRO.

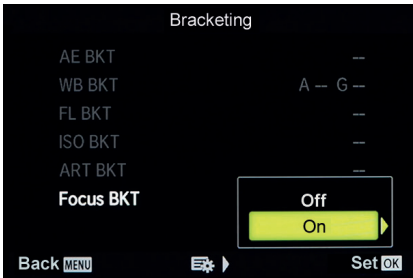
The final composite image is in JPEG format.
Proceed as follows to activate Focus Stacking:



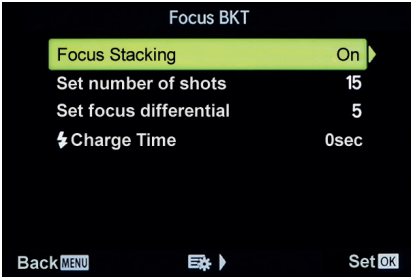
1) In Shooting Menu 2, select **Bracketing** and continue with OK.



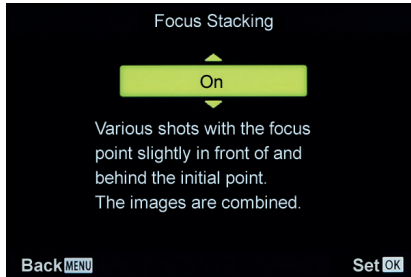
2) Select **On** and continue via the right control button or the joystick.



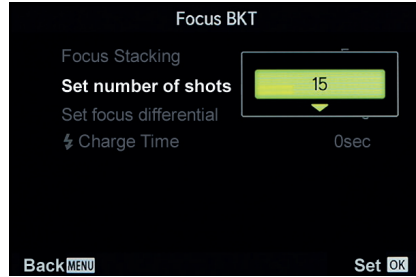
3) Select **Focus BKT**, **On** and continue using the right control button or the joystick.



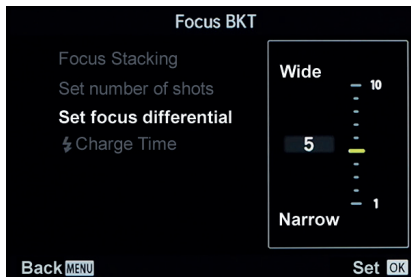
4) Select **Focus Stacking** and continue with OK.



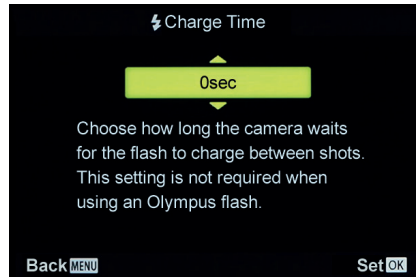
5) Select **On** and confirm via OK.



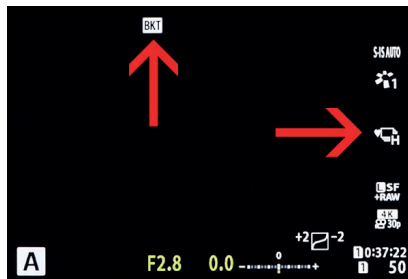
6) Under Set Number of Shots, select the number of images to be used up to a maximum of 15.



7) Go to Set Focus Differential and select the distance that the focus point will move between pictures.



8) Set the flash charging time. This is not required with Olympus flashes.



9) When Focus Stacking is ready, the symbols for BKT and silent sequential shooting will appear on the normal viewing display. The image recording sequence begins with a single press of the shutter button.



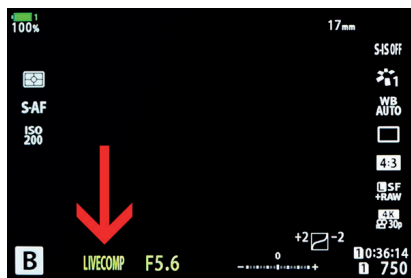
You can find more information about Focus Stacking on page 243 of the instruction manual.

12.4 Live Comp

This function allows you to take long-exposure photographs in which the shutter remains open but only the newly appearing light is added to the initial scene. It is recommendable to use a tripod and remote cable release. Live Comp is configured as follows:



1) Put the mode dial into position B.



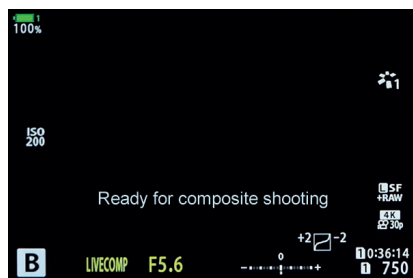
2) Turn the rear dial until **Live Comp** appears on the display. Select an aperture value using the front dial.



3) Press the Menu button and go to Composite Settings. There you can choose the time value for each of the exposures that will form the Live Comp. Confirm with OK and exit by pressing Menu repeatedly.



4) Next, take a picture to check if the base exposure value is correct.



5) If the basic exposure is correct, press the shutter button to start constructing the image. If the exposure is not correct, you can adjust the aperture or select a different exposure time by pressing Menu.

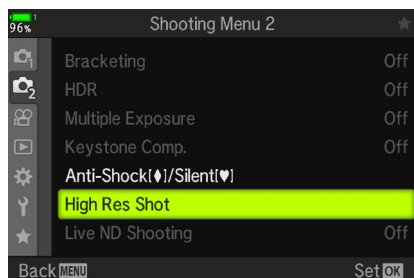
In order to see directly how the image is forming, it is useful to activate the Live View Boost mode for Bulb/Time, see section 6.4 of this guide.



You can find more information about Live Comp on page 108 of the instruction manual.

12.5 High-Resolution Shooting

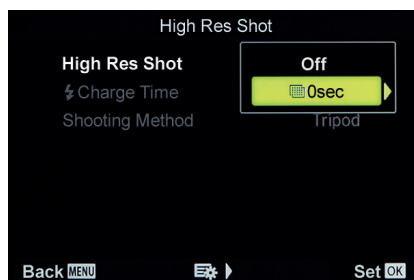
The Olympus E-M1X allows you to take high-resolution pictures formed by combining several pictures taken through an automatic sequence. These high-resolution images can be taken when holding the camera or using a tripod. This is how it works:



1) In Shooting Menu 2, select **High Res Shot** and continue with OK.



2) Select High Res Shot and continue using the right control button or the joystick.



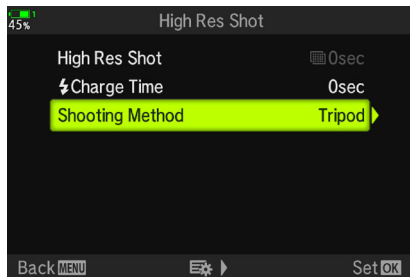
3) You can set a time delay between pressing the shutter button and taking the photograph. Continue using the right control button or the joystick.



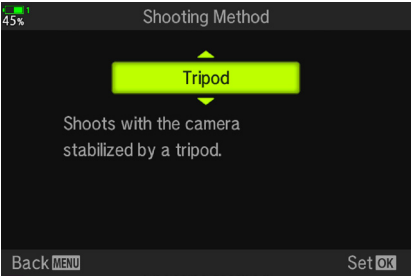
4) Select the time interval and confirm with OK twice.



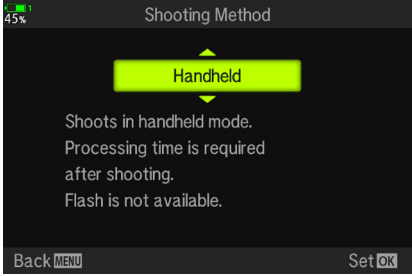
5) With Olympus flashes, it is not necessary to set a charging time.



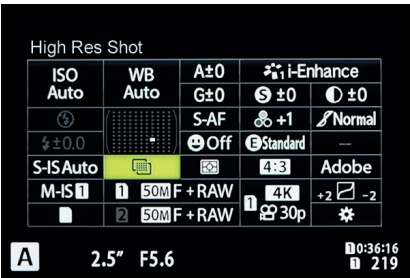
6) Select the shooting mode and continue via the right control button or the joystick.



7) The first option is Tripod. RAW files of 80 million pixels can be generated.



8) The second option is Handheld for when you're holding the camera in your hand. Select one of the two options and confirm with OK.



9) When the high-resolution shot is ready, you will see the symbol on the Super Control Panel.



You can find more information about high-resolution shooting on pages 151 and 210 of the instruction manual.



Recommendation by **Martín Gallego**

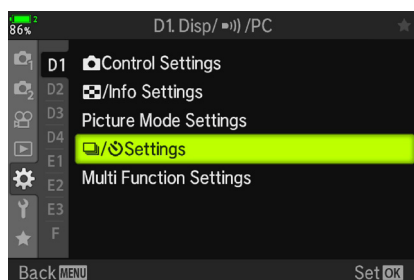
Since the high-resolution images are composite, any moving objects within the frame may exhibit deformations or imperfections. I recommend only using this image mode for static scenes.

12.6 Pro Capture

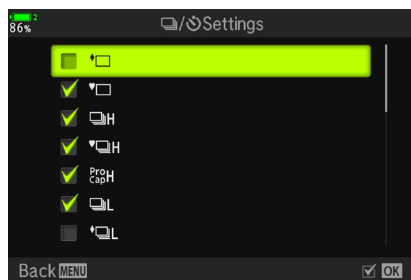
This shooting mode is suitable for capturing the exact moment you want within a scene of fleeting action. Pro Capture is based on the H and L silent sequential shooting modes; when you press the shutter button halfway, up to 35 images are saved in the camera's buffer memory, which keep renewing until you fully press the shutter button and take a sequence of shots.

When you review the pictures you took, you will see up to 35 pictures from before the point of pressing the shutter button fully, along with the whole subsequent series, thus ensuring that one of the pictures has captured the significant moment you were after. You can activate and configure it as follows:

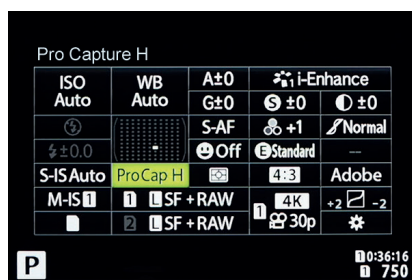
First, make sure that the ProCap L and ProCap H modes are visible in the shooting modes menu:



1) In Custom Menu D1, select **Sequential/Timer Settings** and continue via OK.

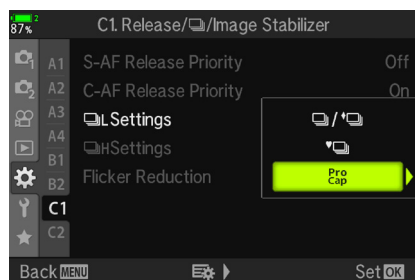


2) Check the boxes next to **ProCap H** and **ProCap L** with OK and exit via Menu. This means all the Pro Capture modes will be available in the shooting mode field on the Super Control Panel.

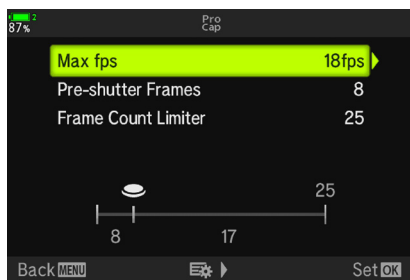


3) Pro Capture H mode on the Super Control Panel.

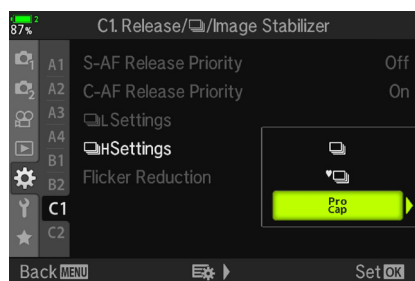
Next, you can configure the two Pro Capture modes according to your preferences. Start with ProCap L:



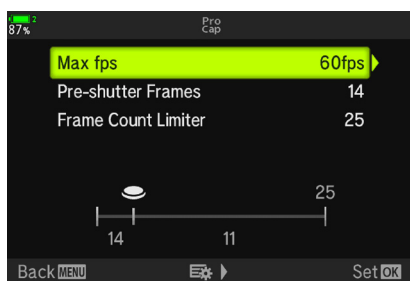
4) In Custom Menu C1, select **Sequential L Settings** and continue with OK, select **ProCap** and continue using the right control button or the joystick.



5) Configure this mode according to your preferences. **The maximum speed is 18 fps** and the number of images you can save in the buffer memory before shooting is 35. If the frame limiter is switched off, there is no limit to the number of sequence shots, if the frame limiter is switched on, you can take up to 99 sequence images.



6) You can configure ProCap H similarly. In Custom Menu C1, head to **sequence H Settings**, select **ProCap** and continue with the right control button or the joystick.



7) In ProCap H mode, you can take up to **60 fps** and pre-store 35 images before shooting. If the frame limiter is switched off, there is no limit to the sequence duration.

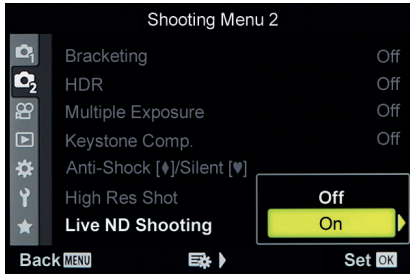
In ProCap L mode, the maximum aperture is limited to F8. In ProCap H the auto focus will not work in C-AF, which is why this mode is recommended for subjects with limited movement. For subjects with sharp movements, it is recommended that you use ProCap L mode combined with C-AF. The memory before shooting saves the images taken by pressing the shutter button halfway for 1 minute. After that, you must let go of the shutter button and then press it halfway again.



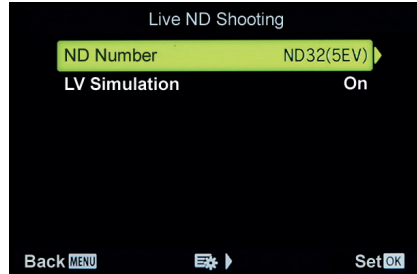
You can find more information about Pro Capture on pages 152 and 520 of the instruction manual.

12.7 Live ND or ND Filter Shooting

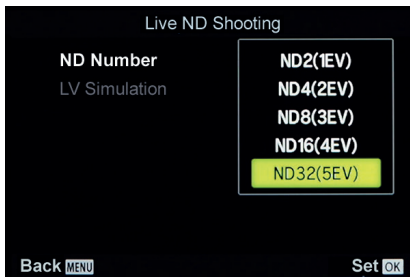
The Olympus E-M1X features a function to simulate the effect of placing a neutral density filter in front of the lens to reduce the light and take long-exposure pictures. Live ND only works in modes M and S in silent shutter with a maximum sensitivity of ISO 800. Proceed as follows to activate and configure it:



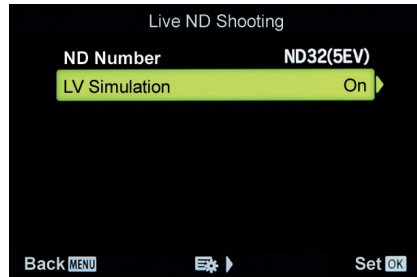
1) In Shooting Menu 2, enter **Live ND Shooting** by pressing OK and then select **On** using the right control button or joystick.



2) Select **ND Number** and continue via the right control button or the joystick.



3) Select the value of the reduced light and confirm with OK. In this example, ND32, the value is five fewer aperture steps.



5) To see how the image turns out, set **LV Simulation** to On. Exit by confirming with OK twice to leave Live ND Shooting in the On position. You will now be able to take photographs with the active filter.



5) When the ND filter is on, you will see a specific symbol on the display.





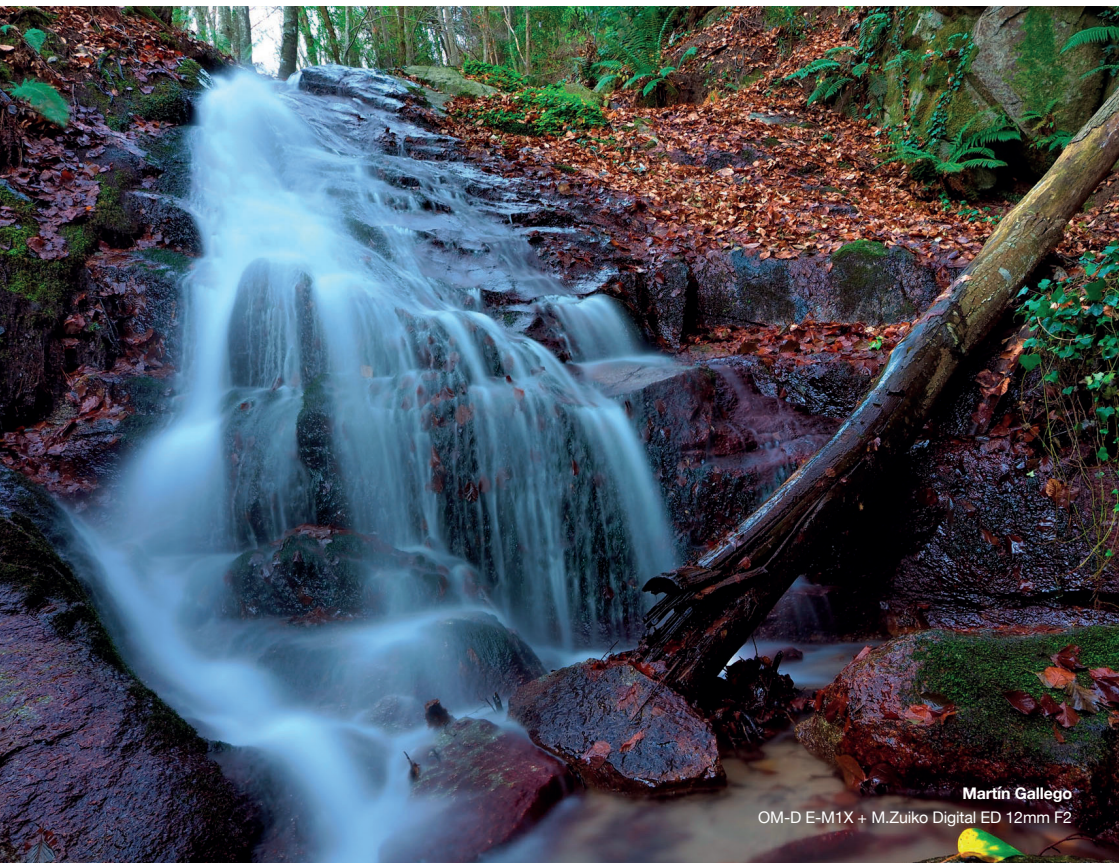


You can find more information about ND shooting or ND filter on page 197 of the instruction manual.



Recommendation by **Martín Gallego**

I recommend disabling this function once you finish using it as it causes the camera to work within very specific parameters. Live ND shooting only works in modes M and S; if you do not disable it and then switch to mode P, A, or B, this function will not be operative in these modes but it will be active again when you return to mode M or S.



Martín Gallego

OM-D E-M1X + M.Zuiko Digital ED 12mm F2

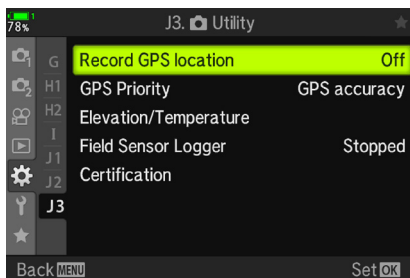
13 GPS AND FIELD SENSOR

The Olympus E-MX1 features GPS and different sensors to provide the image with very complete information relating to location, temperature, altitude, atmospheric pressure, etc. You can even create a log of data and images to see the route you have traveled with the camera. Proceed as follows to enable the GPS and sensors and to view the data:



1) You must first update the camera's GPS data. You can do this using your phone via the "Olympus Image Track" app or through your computer by connecting a USB cable to the camera. In this case, you can use the application "**Olympus A-GPS Utility**".

It is crucial for the date and time on the camera to be set correctly.



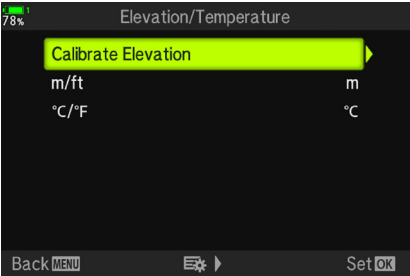
2) In Custom Menu J3, select **Record GPS location** and select On. Confirm with OK.



3) In **GPS Priority** you have two options, GPS accuracy and Battery power. Select the most convenient one bearing in mind that GPS accuracy has a high power consumption level.

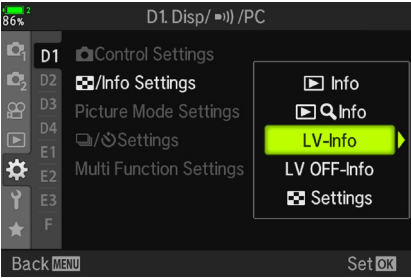


4) Afterward, select **Elevation/Temperature** and continue with OK.



5) In "Calibrate Elevation", you need to set the altitude above sea level of your current location, and select m (meters) and C (degrees Celsius). Confirm everything with OK and exit via Menu.

To view GPS data on the rear monitor before taking a photograph, proceed as follows:



6) In Custom Menu D1, enter "Info Settings", select "LV-Info" and continue using the right control button or the joystick.

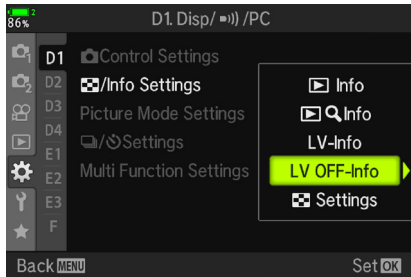


7) Select the option "Field Sensor Info" with OK and exit via Menu.

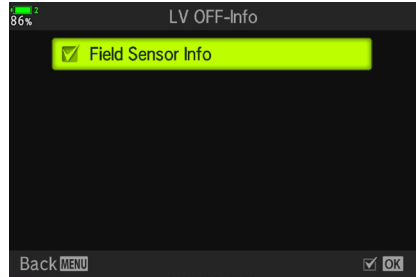


8) If you repeatedly press the Info button, the various sets of information will appear, one of which will display the GPS and field sensor data.

You can also make the camera show you an information screen containing only the GPS and field sensor data. You must first enable this option in the menu as follows:



9) In Custom Menu D1, head to "Info Settings", select "LV OFF-Info" and continue with the right control button or the joystick.

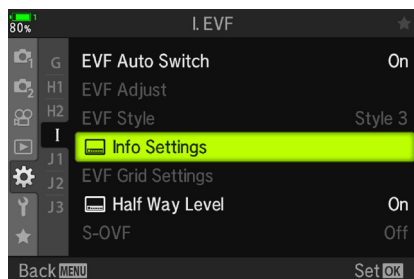


10) Select the option "Field Sensor Info" with OK and exit by pressing Menu repeatedly.

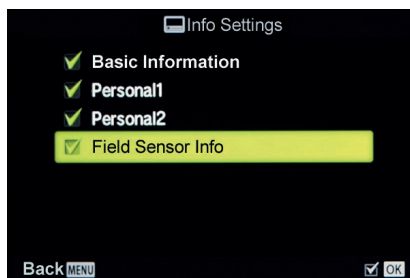


11) This means that if you disable the live view of the rear monitor by pressing the eye sensor activation button next to the eyepiece, the Super Control Panel appears first, then if you press the Info button a display containing this data appears. If you press Info again, the Super Control Panel comes back, and pressing the eye sensor button again takes you back to the live view.

To see the GPS and field sensor data through the viewfinder before taking a photograph, proceed as follows:

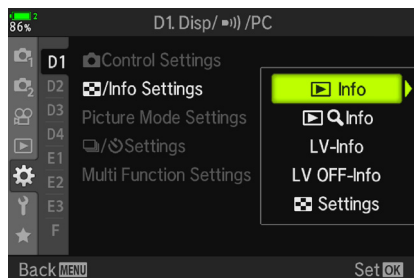



12) In Custom Menu I, select **"Info Settings"** and continue via OK.

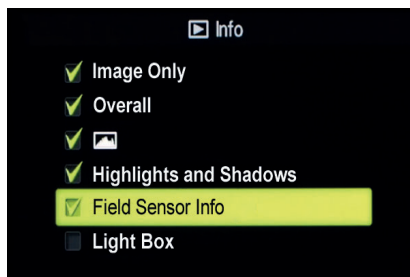


13) Select the option **"Field Sensor Info"** with OK and exit by pressing Menu repeatedly. From now on, if you press the Info button repeatedly, you will see the GPS and field sensor data through the viewfinder on one of the displays.

To see the GPS and field sensor data that accompanies a photo once taken, you must first enable this function in the menu. Proceed as follows:



14) In Custom Menu D1, enter **"Info Settings"**, select **"LV-Info"** and continue using the right control button  or the joystick.



15) Select the option **"Field Sensor Info"** with OK and exit via Menu.

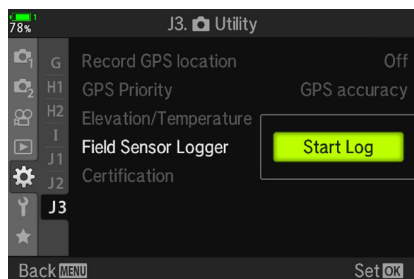




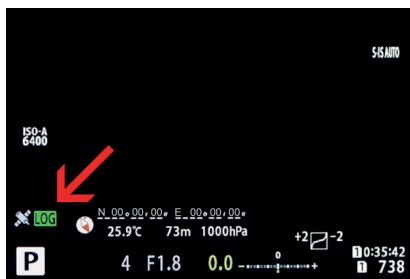
16) This means that if you repeatedly press the Info button on one of the information displays while viewing images, the GPS and field sensor data will appear.

In the rest of the displays, you will see the satellite symbol at the top, which indicates that the image contains GPS and field sensor data even though you cannot see it.

You can also enable an activity log with GPS and field sensor data along a route related to the images you take. These logs can be seen and managed using the mobile application "Olympus Image Track". This log requires the camera GPS to be activated and the date and time to be set correctly. The data of the route log are stored on the memory card; when you close the data log, the camera will ask which card to save the data on. Proceed as follows to enable the data log:



17) In Custom Menu J3, enter "Field Sensor Logger" and select "Start Log". From now on, the GPS and field sensor data along your route will be saved.



18) When the log is active, you will see the "LOG" label in green on the rear monitor.



You can find more information about the GPS and field sensor data from page 567 of the instruction manual.



Recommendation by **Martín Gallego**

The GPS and log functions consume a high level of power and take up much of the memory card space. I recommend only activating these when you need them and remembering to switch them off when you are no longer using them.





OLYMPUS OM-D E-M1X
MOVIE MODE

1- Introduction

The E-M1X, like other OM-D cameras, is a camera that can also be configured for professional video recording. Thanks to its unique features and its stabilization system, the improved focus and its own MFT system with unique optics, the E-M1X is an extremely versatile tool for a wide range of recording types and styles.

Below, we will explore the settings that will help you easily configure video recording with the OM-D E-M1X. This will be explained in the same order as the features in one of the camera's quick menus, Live Control.

First, access **Video Menu / Display Settings / Control Settings** (image 1) and check that you have activated Live Control mode.

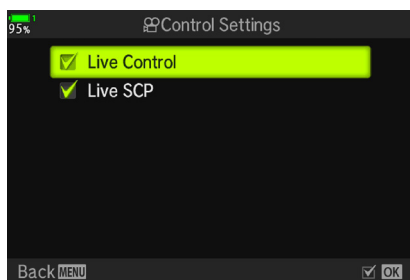


Image 1

The first thing you need to do when you want to record a video is move the main dial to Movie mode (image 2). The E-M1X then adopts a few settings that are independent to the other modes and a few specific features for video recording are activated.

From the display screen in this mode, pressing the "OK" button (image 3) will display the quick-access functions on the right (move using the up/down cursors) and the specific features of each function will be available at the bottom (select the desired function using the left and right cursors). We will elaborate on each of the active functions below:



Image 2



Image 3

2- Movie Stabilization

In Movie mode, the E-M1X adopts a specialized stabilization system where you can choose between 2 modes:

- * The mode **M-IS1, Sensor Shift + Digital** (image 4), which combines mechanical and digital stabilization through slight image clipping. Use this mode to record sudden or quick movements.
- * The mode **M-IS2, Sensor Shift** (image 5) achieves stabilization only by physically moving the sensor; use this mode for more general situations or even with tripods, sliders, etc.

You can adjust the focal length of any manual lens you attach to the camera by pressing the Info button.

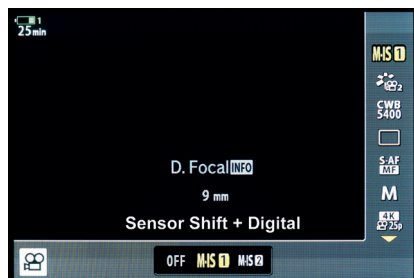


Image 4

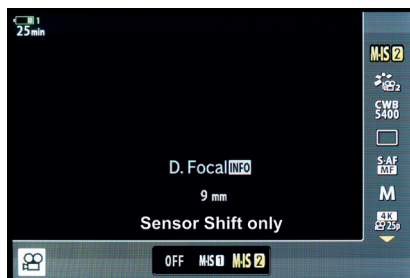


Image 5

In addition, in **Video Menu/AF/IS Settings/IS Level** (image 6), you can set the stabilization level according to your needs with higher and lower adjustment (+1, 0, -1).

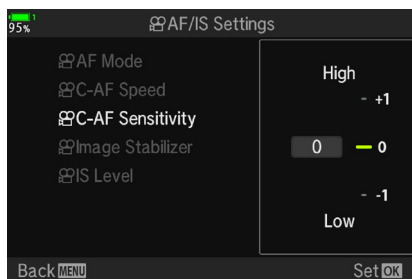


Image 6

These mechanical or digital sensor stabilization systems combine with the stabilizers integrated into some M.Zuiko PRO series lenses, such as M.Zuiko Digital ED 12-100mm F4.0 IS PRO or M.Zuiko Digital ED 300mm F4.0 IS PRO, thus enhancing the stabilization in Movie mode even more (image 7).



Image 7



Recommendation by **Fernando Rey**

Unlike previous models, both stabilization systems perfectly combine with all automatic focus modes. Configuring one or the other will only depend on the type of picture you are taking.



3- Color: Picture Mode

In Picture Mode, you can select the color finish you wish to apply to the movie. You can choose the same modes as in photography (**Shooting Menu 1 / Picture Mode > 1. i-Enhance, 2.-Vivid, 3.-Natural, 4.-Muted, 5.- Portrait, 6- Monochrome, etc.)** (image 8) or activate a profile with a widened color range, which you must specifically activate in **Video Menu / Specification Settings / Picture Mode > On** (image 9) and from there you can choose two options, mode 1 or switched off, which offers a neutral profile of sharpness and saturation contrast or mode 2, known as OM-Log 400 (image 10), with a logarithmic curve with a native ISO of 400.

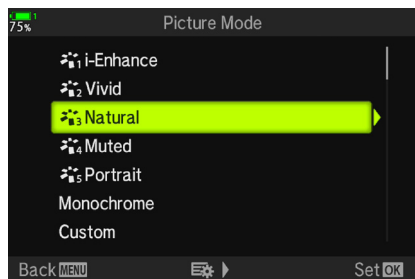


Image 8

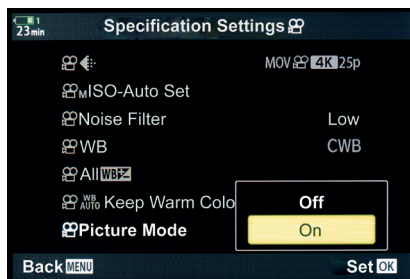


Image 9

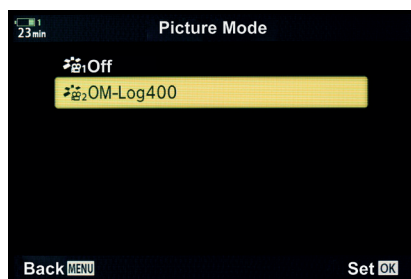


Image 10

In addition, in **Video Menu / Display Settings / View Assist** (image 11) you can make a display view in the set color or, if you prefer, using an equivalent conversion to BT.709 (image 11b) (only as a preview since the camera will continue recording with the assigned profile).



Image 11



Image 11b



4- White Balance

To select a suitable white balance in each shot, you can use the presets on the E-M1X (AUTO, Sun, Shadow, Clouds, Incandescent, Fluorescent, Underwater, Flash), 4 custom values, or manually select the Kelvin values (image 12).

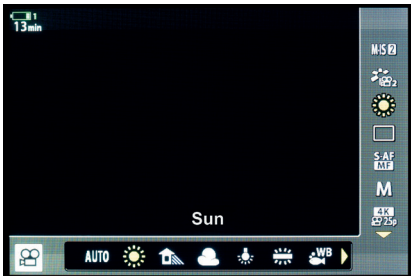


Image 12

In **Video Menu / Specification Settings / WB Keep Warm Color** (image 13), you can also assign warm colors to the automatic white balance if you wish.

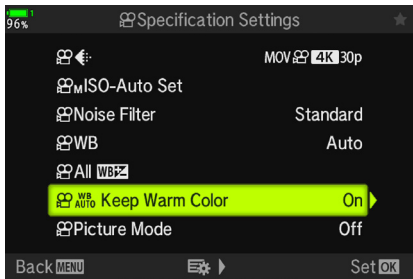


Image 13

From **Video Menu / Specification Settings / WB** (image 14), you can also independently access every preset to balance the color between red-blue or green-magenta (image 15).

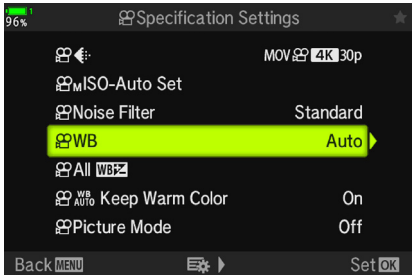


Image 14

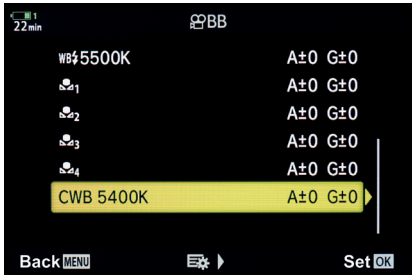


Image 15



Recommendation by **Fernando Rey**

When you record a movie, it is crucial to select a suitable white balance since this will be your starting point for the color correction and grading. If the conditions are clear, you can use the presets, but if you are dealing with a combination of lights, you should create a custom balance or work directly with the Kelvin values.

5- Focus

The focus system of the E-M1X has been redesigned, and in Movie mode, you can reliably work with any of the following available modes (image 16):

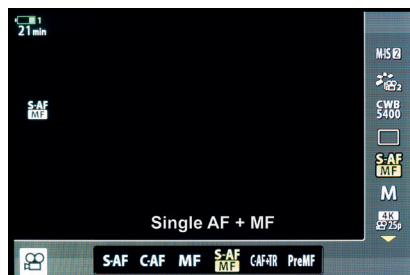


Image 16

MF: Manual focus only, either through Live Control for lenses that only have an electronic focusing ring, or by moving the focus ring on the lenses where this is possible (image 17).



Image 17

S-AF: Focus the shot and then begin recording. Once the recording has begun, the focus remains locked in the same position until the video is paused. It is not possible to activate manual focus for lenses with an electronic focus ring. In order to activate manual focus, head to **Custom Menu / A1 / AF + MF / On** (image 18). This enables the **S-AF + MF** mode, which allows you to focus the shot in the same way and then begin recording. Once started, you can modify your focus by moving the electronic focus ring on your lens.

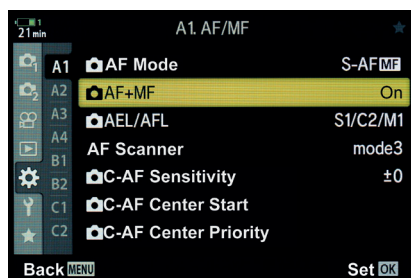


Image 18

C-AF: Continuous or track focus. First select the point or area you will be working with (image 19). Using the display or the eyepiece, position the subject you wish to track in the active focus area or grid. Begin recording and your subject will always be in the selected focus area to keep it in focus (image 20).

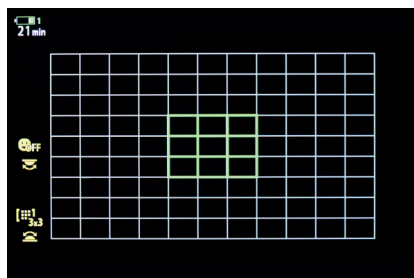


Image 19



Image 20

In **Video Menu / AF/IS Settings / C-AF Speed** (image 21), you can set the focus speed in C-AF according to your needs with higher and lower adjustment (+1, 0, -1).

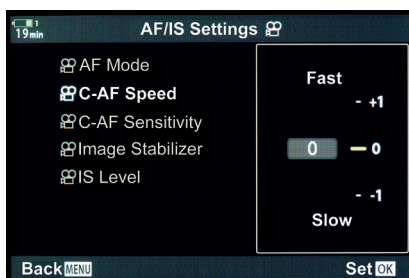


Image 21

In **Video Menu / AF/IS Settings / C-AF Sensitivity** (image 22), you can set the sensitivity lock level in the C-AF focus based on the subject movement according to your needs, with higher and lower adjustment (+1, 0, -1).

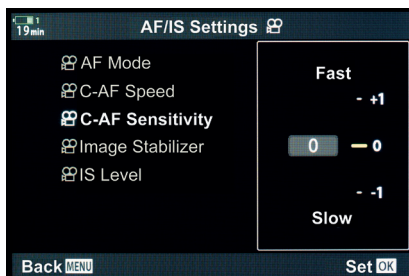


Image 22



Recommendation by **Fernando Rey**

The touch screen is a great help when working with video focuses, since you can change the focus point at any time, including during recording, and activate a gradual focus change using mode S-AF, C-AF, or C-AF+TR

C-AF+TR: Continuous or track focus via tracking mode. In this mode, the on-screen grid symbol (image 23) changes position when following a subject with a specific contrast and color.

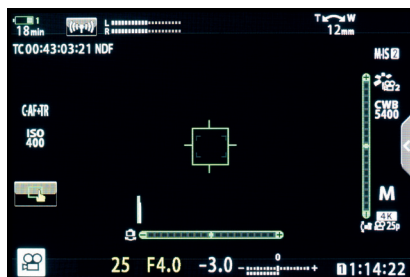


Image 23

Pre MF: In this mode, you can preset a distance in meters or feet to configure your focus. While it may not seem to be the case, this can at times be very useful for video recording (image 24).



Image 24

FACE PRIORITY: Accessed independently via Live Controls, it is possible to activate different detection options for focusing on faces during video recording, which are very useful when your target subject is a person (image 25).

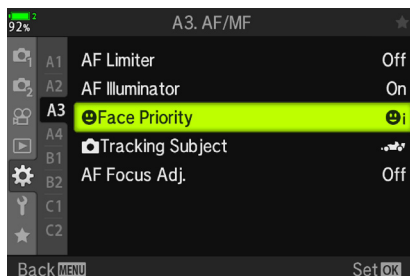


Image 25

The E-M1X also provides help with focusing through various systems:

Custom Menu / A4 / MF Assist (image 26)



Image 26

The first of these is the Magnify option. With this function, when you touch the focus ring to activate it manually, the image on the display is amplified to have a better view of the focus area. This option can also be activated on demand using the custom access buttons.

The other system is Peaking; it highlights the focused objects in a certain color. From **Custom Menu / D3 / Peaking Settings** (image 27), you can choose the highlight color of the focused areas, the highlight intensity level, and the image brightness adjustment.

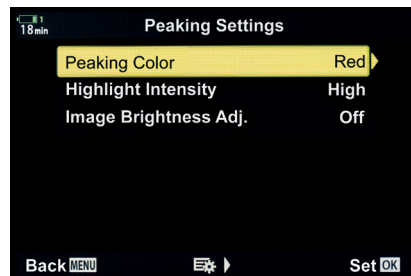


Image 27



Recommendation by **Fernando Rey**

Personally, I like using the color red for peaking since it is the most visible color and provides you with greater certainty when checking how in focus the object is, with a high intensity level and the brightness adjustment switched off.

With regard to the focus, don't forget that with lenses that have a manual focus clutch, you can switch from the automatic AF modes to manual focus by simply moving the ring.

6- Metering Mode

You use this mode to adjust the exposure in videos. You can configure it as P (automatic) or use the manual modes: A (aperture priority), S (shutter priority), or M (manual) (image 28).

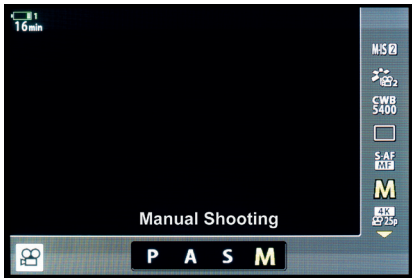


Image 28

7- Movie Quality and Resolution

This function allows you to adjust the 6 quality parameter settings for video recording that you previously selected in **Video Menu / Specification Settings / sound and quality symbol** (image 29); you will be able to configure in detail the size of the image (C4k, 4k, FHD, HD), the bit rate (IBP or ALL I) and the FPS (24, 25, 30, 50, 60) as well as a specific configuration of 120 fps.



Image 29



8- ISO sensitivity

You can select the ISO sensitivity that is most suitable for the shot you are going to take. From **Video Menu / Specification Settings / M ISO-Auto Set** (image 30), you can adjust the options for working with the ISO in the AUTO position, configuring an upper ISO limit as well as a predetermined starting limit.

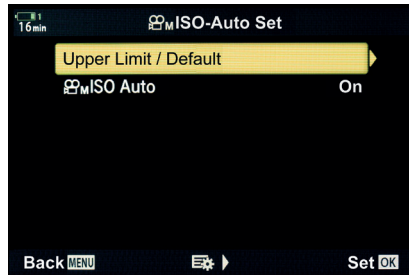


Image 30

You also have the option of setting a noise reduction in **Video Menu / Specification Settings / Noise Filter: Off - Low - Standard - High** (image 31).

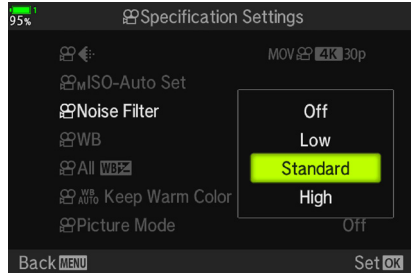


Image 31



Recommendation by **Fernando Rey**

I use the noise reduction filters in movie mode when the scenes lack light or have pronounced areas of shadow. From ISO 400 onward, I use the Low setting and from 1600, I use the Standard setting.

9- Audio System

As with any other camera that records video, the sound is just as important as the image. With this Live Control option, you can only switch audio recording on and off for the movie clip, but there are additional items to keep in mind:

In **Video Menu / Movie microphone / On / right cursor** (image 32), you can find the precise audio configurations. With these, you can independently regulate the recording volume for both the integrated microphone and an external microphone. You can activate a volume limiter and activate the noise reduction for the sound on 3 levels. You can choose a recording rate between 96 kHz/24bit or 48 kHz/16bit (image 33). You also have the option of plugging in an external microphone or connecting the camera to an Olympus PCM recorder (image 34), synchronizing the recording volume on camera, the slate tone, or the recording start. Likewise, you have the option to regulate the volume of the monitoring headphones.



Image 32



Image 33

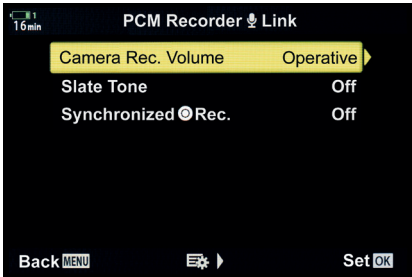


Image 34

10- Other Movie Configurations

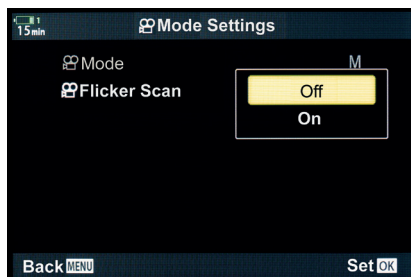


Image 35

FLICKER SCAN

This is a system whereby the camera analyzes the frequency of the light with respect to the camera's recording frequency and adjusts it in order to avoid flickering. It can be activated in **Video Menu / Movie Mode Settings / Flicker Scan / On** (image 35).

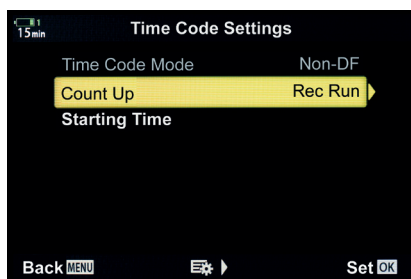


Image 36

TIME CODE SETTINGS

This tool is essential for synchronizing independent video or audio recording systems.

It can be configured in **Video Menu / Display Settings / Time Code Settings** (image 36).

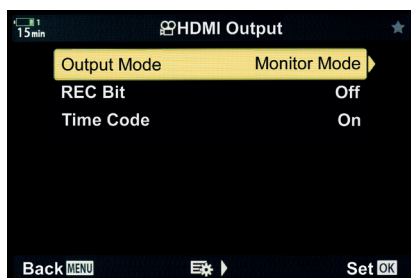


Image 37

HDMI OUTPUT

Video Menu / HDMI Output (image 37). Here you can configure the output settings for a video recording connected via HDMI.

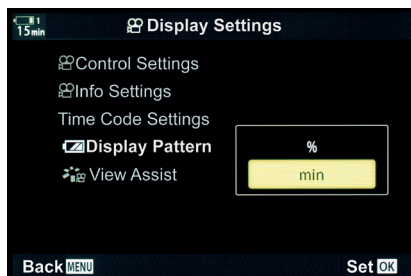


Image 38

BATTERY PATTERN

The battery indicator can be displayed by percentage or remaining minutes via **Video Menu / Display Settings / Display Pattern** (image 38).

11- Direct Access Buttons

In **Video Menu/Button/Dial/Lever** (image 39), you can find numerous custom setting options for the buttons available on the body of the E-M1X as well as the management dials and the levers with two positions.

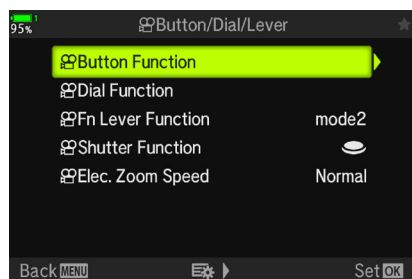


Image 39



Recommendation by **Fernando Rey**

Personally, I use the lever to select the automatic focus system (mode 2) and on the buttons I configure the activation of peaking, image magnification on display for focus adjustment, direct access to WB and ISO, as well as the specific Exif data configuration for manual lenses.

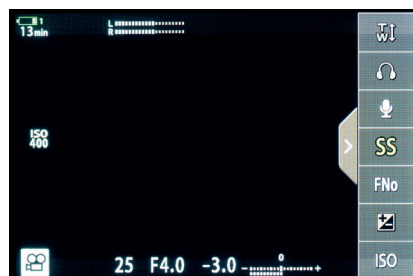


Image 40

TARGETING PAD

Using the arrow on the right of the Movie Mode display (image 40), you can access controls using the touch screen and thus in a silent manner, for example, the electric zoom (TW), headphone volume, recording volume, shutter speed (SS), aperture (FNo), exposure compensation (only in automatic modes), and ISO (only in M mode).







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