About This Guide

• This is a guide to movie-related features and how to configure them. Detailed information on such topics as taking photographs and camera specifications can be found in the camera instruction manual.

• The screen and camera illustrations shown in this guide were produced during product development and may differ from the actual product.

• If there are additions and/or modifications of functions due to firmware update for the camera, the contents will differ. For the latest information, please visit the Olympus website.
Movie Mode

Recording Movies

This camera features both a dedicated “movie (.getChildAt(402,360)) mode” and photo shooting modes that can be used to record movies.

Movie (.getChildAt(402,360)) Mode
Features a specialized movie menu with unique movie options separate from those for photos.
Choose for concentrated movie recording.

Other Modes
Record movies using photo settings.
Choose when recording movies in the intervals between photos.
* Settings for some features may differ.

The main focus of this guide is the recording of movies in “movie mode”.
Adjusting Movie Settings

Movie settings can be adjusted using the LV super control panel, menu, or live control as described below.

Using the LV Super Control Panel

Use the LV super control panel to view and adjust shooting settings.

1 Press the OK button to view the LV super control panel.
   • If the live control is displayed, press the INFO button to cycle the display. Note that display selection is not available when settings such as [ ] are selected, in which case you will need to select a different setting before pressing the INFO button.

2 Use the arrow pad to highlight the desired item and press the OK button.
   • You can also choose items using the rear dial.

3 Highlight an option using the left and right arrow buttons and press the OK button.
   • You can also choose options using the front dial.
   • The highlighted option will be selected automatically if no operations are performed for about 8 seconds.

Using the Menus

The menus contain shooting and playback options not available in the LV super control panel and the like and can be used to customize camera settings for ease of use.

1 Press the MENU button to display the menus.
   • A tip will be displayed when an item is highlighted.
   • Press the INFO button to view or hide tips.
2 Use the up and down arrow buttons to highlight a tab and press the ☑️ button.

- The menu group tab appears when the ✽ Custom Menu is selected. Use the up and down arrow buttons to highlight a menu group and press the ☑️ button.

3 Highlight an item using the up and down arrow buttons and press the ☑️ button to display options for the highlighted item.

4 Use the up and down arrow buttons to highlight an option and press the ☑️ button to select.

**Using the Live Control**

Use the live control to adjust settings while viewing your subject.

1 Press the ☑️ button to view the live control.

- If the LV super control panel is displayed, press the INFO button to cycle the display. Note that display selection is not available when settings such as [-scenes] are selected, in which case you will need to select a different setting before pressing the INFO button.

2 Use the up and down arrow buttons to highlight the desired item and the left and right arrow buttons to choose an option.

- You can also adjust settings using the front or rear dial.
- The highlighted option will be selected automatically if no operations are performed for about 8 seconds.

3 Press the ☑️ button.

**The LV Super Control Panel and Live Control Displays**

Use [Display Settings] > [Control Settings] (P.29) in the movie menu to view or hide the LV super control panel or live control.
Movie Options

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<th>Option</th>
<th>Description</th>
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<th>Accessed via</th>
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<td>Movies/photos</td>
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<td>Movies/photos</td>
<td>Menus P.13</td>
</tr>
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<td>Movies/photos</td>
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<td>Recording Volume</td>
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<td>Adjust sharpness.</td>
<td>Movies/photos</td>
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<tr>
<td>Contrast</td>
<td>Adjust contrast.</td>
<td>Movies/photos</td>
<td>LV super control panel live control P.23</td>
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<tr>
<td>Saturation</td>
<td>Adjust color saturation (vividness).</td>
<td>Movies/photos</td>
<td>LV super control panel live control P.23</td>
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<tr>
<td>Gradation</td>
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<td>Movies/photos</td>
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<td>Menus P.25</td>
</tr>
<tr>
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<td>Customize dials for use in movie mode.</td>
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<td>Fn Lever Function</td>
<td>Customize the Fn lever for use in movie mode.</td>
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<td>Choose the role played by the shutter button in movie mode.</td>
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<td>Elec. Zoom Speed</td>
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<td>Movies only</td>
<td>Menus P.25</td>
</tr>
<tr>
<td>Control Settings</td>
<td>Choose LV super control panel and live control display options for movie mode.</td>
<td>Movies only</td>
<td>Menus P.29</td>
</tr>
</tbody>
</table>

Movie options, including recording, button/dial/lever, and display options, can be accessed via the LV super control panel, menus, and the like. Some options also apply to photos.
(Image Quality)

Adjust such settings as movie resolution, compression/bit rate, and frame rate.

- This option is accessed via the LV super control panel (P.3).

1. Press the OK button.

2. Use the arrow pad to highlight [ ] and press the OK button.
   - You can also use the rear dial.

3. Use the left and right arrow buttons to highlight an image quality option and press the OK button.
   - The front and rear dials can be used in place of the arrow pad.
   - The movie resolution, compression/bit rate, and frame rate can be chosen using the [Specification Settings] > [ ] option in the movie menu before recording.

<table>
<thead>
<tr>
<th>Image quality option</th>
<th>Description</th>
</tr>
</thead>
</table>
| FHD 30p              | Record footage for My Clips.  
  - Movies are recorded in MPEG-4 AVC/H.264 format. |
| 4K 30p               | Record standard movies.  
  - Movies are recorded in MPEG-4 AVC/H.264 format. The maximum size per file is 4 GB and the maximum length per movie is 29 minutes. |
| FHD 60p              | Record cinematic 4K or slow/fast playback movies.  
  - Movies are recorded in MPEG-4 AVC/H.264 format. The maximum size per file is 4 GB and the maximum length per movie is 29 minutes. |
| C4K 24p              | Record motion JPEG movies in HD.  
  - The maximum size per file is 2 GB. |

- Depending on the type of card used, recording may end before the maximum length is reached.
- Bit rate selection may be unavailable at some settings.
- This option can also be accessed via the menus (P.3) and live control (P.4).
Adjusting Image Quality Settings

When a movie image quality other than [HD] is highlighted, you can press the INFO button to access such settings as movie resolution and frame rate. The settings available vary with the image quality option selected.

1. In the movie image quality mode selection display, highlight an image quality option other than [HD] and press the INFO button.
   - The settings available for the highlighted image quality option will be displayed.

2. Use the left and right arrow buttons to highlight settings and the up and down arrow buttons to adjust.

3. Press the button to proceed.
   - The settings available are listed below.

Clips

Record footage for “My Clips”. You can choose the movie resolution, compression/bit rate, frame rate, and clip recording time. The clip recording time is selected using [Clip Recording Time].

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Movie Resolution</td>
<td>4K (3840×2160), FHD (1920×1080), HD (1280×720)</td>
</tr>
<tr>
<td>Compression/Bit Rate</td>
<td>Super Fine (superfast), Fine (fast), Normal (normal)</td>
</tr>
<tr>
<td>Frame Rate</td>
<td>60p, 50p, 30p, 25p, 24p</td>
</tr>
<tr>
<td>Clip Recording Time (length per clip)</td>
<td>8 sec, 4 sec, 2 sec, 1 sec</td>
</tr>
</tbody>
</table>

1. Not available at a [Movie Resolution] of [4K].
2. [Frame Rate] options of 60p and 50p are not available at an [Movie Resolution] of [4K].
Standard Movies
Choose the movie resolution, compression/bit rate, and frame rate.

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Movie Resolution</td>
<td>4K (3840×2160), FHD (1920×1080), HD (1280×720)</td>
</tr>
<tr>
<td>Compression/Bit Rate ¹</td>
<td>A-I (ALL-Intra)², Super Fine (superfast), Fine (fast), Normal (normal)</td>
</tr>
<tr>
<td>Frame Rate ³</td>
<td>60p, 50p, 30p, 25p, 24p</td>
</tr>
</tbody>
</table>

¹ Not available at a [Movie Resolution] of [4K].
² All-Intra movies are recorded without inter-frame compression. Movies in this format are suitable for editing but have larger file sizes.
³ [Frame Rate] options of 60p and 50p are not available at a [Movie Resolution] of [4K] or when [A-I] is selected for [Compression/Bit Rate].
Cinematic 4K, Slow/Fast Playback Movies, and Clips
Select this mode to record cinematic 4K movies. In addition to the movie resolution, compression/bit rate, and frame rate, you can choose slow or fast motion or clip recording options.

• Use [Slow or Fast Motion] to choose the speed at which the movie plays back, expressed as a multiple of normal playback speed. Options greater than 1 play back at faster than normal speed, while options less than 1 play back at slower than normal speed. The frame rate is adjusted for the selected playback speed.

• To record footage for “My Clips”, choose a [Clip Recording Time] other than [Off].

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Movie Resolution</td>
<td>C4K(^1) (4096×2160), 4K (3840×2160), FHD (1920×1080), HD (1280×720)</td>
</tr>
<tr>
<td>Compression/Bit Rate(^2)</td>
<td>A-I (ALL-Intra)(^3), Super Fine (superfast), Fine (fast), Normal (normal)</td>
</tr>
<tr>
<td>Frame Rate(^4)</td>
<td>60p, 50p, 30p, 25p, 24p</td>
</tr>
<tr>
<td>Clip Recording Time (length per clip)</td>
<td>8 sec, 4 sec, 2 sec, 1 sec, Off</td>
</tr>
<tr>
<td>Slow or Fast Motion (slow or fast motion)</td>
<td>x8.01, x4, x3, x2, x1.6, x0.96, x0.8, x0.48, x0.4, OFF</td>
</tr>
</tbody>
</table>

1 [Frame Rate] and [Clip Recording Time] selection are not available at a [Movie Resolution] of [C4K].
2 [Compression/Bit-Rate] selection is not available when [C4K] or [4K] is selected for [Movie Resolution].
3 All-Intra movies are recorded without inter-frame compression. Movies in this format are suitable for editing but have larger file sizes.
4 [Frame Rate] options of 60p and 50p are not available at a [Movie Resolution] of [4K] or when [A-I] is selected for [Compression/Bit Rate].
5 Depending on the frame rate, some options may not be displayed.
Exposure Mode

Choose the exposure mode for movie recording.

- This option is accessed via the menus (P.3).

**MENU** button ➔ **tab** ➔ **[Mode]** ➔ select an exposure mode

This option can also be accessed via the live control (P.4).

Exposure Compensation/Aperture/Shutter Speed

Make adjustments to auto-exposure (AE) for movie recording, choose an aperture when **A** or **M** is selected for **Exposure Mode**, and choose the shutter speed at which each frame is recorded.

- Exposure compensation, aperture, and shutter speed can be adjusted by rotating the front or rear dial. The operations for **P/A/S/M** modes are listed below.

<table>
<thead>
<tr>
<th>Exposure mode</th>
<th>Exposure compensation</th>
<th>Aperture</th>
<th>Shutter speed</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>P</strong></td>
<td>Front dial/rear dial</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td><strong>A</strong></td>
<td>Front dial</td>
<td>Rear dial</td>
<td>—</td>
</tr>
<tr>
<td><strong>S</strong></td>
<td>Front dial</td>
<td>—</td>
<td>Rear dial</td>
</tr>
<tr>
<td><strong>M</strong></td>
<td>—</td>
<td>Front dial</td>
<td>Rear dial</td>
</tr>
</tbody>
</table>

At default settings, ISO sensitivity and recording level can be adjusted in **M** mode by rotating the **Fn** lever to position 2.
Picture Mode

Select a picture mode.

• This option is accessed via the LV super control panel (P.3).

1 Press the \( \text{OK} \) button.

2 Use the arrow pad to highlight [Picture Mode] and press the \( \text{OK} \) button.

• You can also use the rear dial.

3 Use the left and right arrow buttons to highlight an option and press the \( \text{OK} \) button.

• You can also use the front dial.

■ \( \text{Optitize} \) Picture Mode

Optimize tones for movie recording.

• This option is accessed via the menus (P.3).

MENU button \( \rightarrow \) \( \text{tab} \) \( \rightarrow \) [\( \text{Tab} \) Specification Settings] \( \rightarrow \)
[\( \text{Tab} \) Picture Mode] \( \rightarrow \) select [On] or [Off]

• Picture mode selection is not available in movie mode when [On] is selected for [\( \text{Optitize} \) Picture Mode]. To choose a picture mode, select [Off] for [\( \text{Optitize} \) Picture Mode].

• Movie effects are not available when [On] is selected for [\( \text{Optitize} \) Picture Mode]. The following settings can not be changed:

- Sharpness
- Contrast
- Saturation
- Gradation

• This option can also be accessed via the live control (P.4).
White Balance

Adjust hues so that white objects appear white.

• This option is accessed via the LV super control panel (P.3).

1 Press the OK button.

2 Use the arrow pad to highlight [WB] and press the OK button.
   • You can also use the rear dial.

3 Use the left and right arrow buttons to highlight an option and press the OK button.
   • You will need to switch to a photo shooting mode before measuring a value for one-touch white balance.
   • You can also use the front dial.

This option can also be accessed via the menus (P.3) and live control (P.4).

One-Touch White Balance

Measure white balance by framing a piece of paper or other white object under the lighting that will be used in the final photograph. This is useful when shooting a subject under natural light, as well as under various light sources with different color temperatures. Before recording movies using one-touch white balance, you will need to measure white balance in photo shooting mode.

1 Rotate the mode dial to P, A, S, M, C1, C2, or C3.

2 Press the OK button.

3 Use the arrow pad to highlight [WB] and press the OK button.
   • You can also use the rear dial.

4 Select [P1], [P2], [P3], or [P4] (one-touch white balance 1, 2, 3, or 4) and press the INFO button.

5 Photograph a piece of colorless (white or gray) paper.
   • Frame the paper so that it fills the display and no shadows fall on it.
   • The one-touch white balance screen appears.

6 Select [Yes] and press the OK button.
   • The new value is saved as a preset white balance option.
   • The new value is stored until one-touch white balance is measured again. Turning the power off does not erase the data.
## WB Compensation

Choose and fine-tune compensation values for both auto white balance and preset white balance.

1. Press the OK button to display the LV super control panel.

2. Use the arrow pad to highlight [WB].

3. Use the left and right arrow buttons to choose an option.

4. Use the arrow pad to highlight a white balance compensation option.

5. Use the left and right arrow buttons to choose a value.

### Compensation on the A Axis (Red-Blue)

Move the bar in the + direction to emphasize red tones and in the – direction to emphasize blue tones.

### Compensation on the G Axis (Green-Magenta)

Move the bar in the + direction to emphasize green tones and in the – direction to emphasize magenta tones.

### All [WB]

Apply a single white balance compensation value across all white balance modes.

- Apply the same adjustment to all white balance modes other than [CWB], or set the adjustment for all white balance modes other than [CWB] to 0.
- This option is accessed via the menus (P.3).

```
MENU button ➔ ⭐ tab ➔ G tab ➔ [All WB] ➔ adjust settings
```

### AUTO Keep Warm Color

Preserve “warm” colors in pictures taken under incandescent lighting.

- This option is accessed via the menus (P.3).

```
MENU button ➔ ⭐ tab ➔ G tab ➔ [AUTO Keep Warm Color] ➔ choose [On] or [Off]
```
**AF Mode**

Select a focusing method (focus mode).

- This option is accessed via the LV super control panel (P.3).

1. Press the **OK** button.

2. Use the arrow pad to highlight [AF Mode] and press the **OK** button.
   - You can also use the rear dial.

3. Use the left and right arrow buttons to highlight an option and press the **OK** button.
   - You can also use the front dial.

<table>
<thead>
<tr>
<th>AF Mode</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-AF</td>
<td>The camera focuses once when the shutter button is pressed halfway. An in-focus indicator and AF target are displayed when focus locks. Choose for fixed-focus shots and on other occasions when the distance to the subject will not change during shooting.</td>
</tr>
<tr>
<td>C-AF</td>
<td>The camera adjusts focus continuously. Choose in situations in which the distance to the subject changes constantly during shooting.</td>
</tr>
<tr>
<td>MF</td>
<td>Adjust focus manually using the lens focus ring.</td>
</tr>
<tr>
<td>S-AF+MF</td>
<td>Press the shutter button halfway to focus using [S-AF], then fine-tune focus manually using the lens focus ring.</td>
</tr>
<tr>
<td>C-AF+TR</td>
<td>The camera tracks focus on the subject selected when the <strong>OK</strong> button was pressed to start recording.</td>
</tr>
<tr>
<td></td>
<td>• The camera displays the AF target in red if it is no longer able to track the subject.</td>
</tr>
<tr>
<td></td>
<td>• Four Thirds system lenses have a narrower tracking range. The camera will not focus when the AF target is displayed in red, even if it is still tracking the subject.</td>
</tr>
<tr>
<td>PreMF</td>
<td>The camera focuses on a preset focus point.</td>
</tr>
</tbody>
</table>

- The camera may be unable to focus if the subject is poorly lit, obscured by mist or smoke, or lacks contrast.
- AF is not available during movie recording with Four Thirds system lenses.
- AF-mode selection is not available if the lens MF clutch is set to the MF position and [Operative] is selected for [MF Clutch] (P.16) in the Custom Menu.
- This option can also be accessed via the menus (P.3) and live control (P.4).
Lenses with an MF Clutch

If the lens is equipped with an MF clutch, you can use it to switch between auto and manual focus.

- The MF clutch can not be used to switch between auto and manual focus during movie recording.

Choosing a Focus Position for PreMF

1. Select [Preset MF] for AF mode.
2. Press the INFO button.
3. Press the shutter button halfway to focus.
   - Focus can be adjusted by rotating the focus ring.
4. Press the button.
   - The Pre-MF function can be recalled by pressing the button to which [Preset MF] is assigned in the [Button Function] menu. Press the button again to restore the previous autofocus setting.
   - The focus distance for the preset focus point can be set using the [Preset MF distance] option in the Custom Menu.

Preset MF Distance

Choose a focus position for preset MF.

- This option is accessed via the menus (P.3).

**MENU** button ➔ 🌟 tab ➔ 🌟 tab ➔ [Preset MF distance] ➔
choose a focus position for preset MF

Focus distances are approximate and intended as a guide only.
MF Assist

Choose focus assist options for manual focus.

- Select [On] to automatically enable focus zoom or peaking when the focus ring is rotated in manual focus mode.
- This option is accessed via the menus (P.3).

```
MENU button ➔ * tab ➔ A8 tab ➔ [MF Assist] ➔ [Magnify] or [Peaking] ➔ choose [On] or [Off]
```

<table>
<thead>
<tr>
<th>Magnify</th>
<th>The display zooms in on an area centered on the current focus target for more accurate focus. Focus zoom is not available while recording is in progress.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peaking</td>
<td>Areas in focus are identified by clearly-defined outlines. You adjust outline color and strength.</td>
</tr>
</tbody>
</table>

- [Peaking] can be assigned to a button using the [Button Function] option in the movie menu (movie mode; P.25) or the [Button Function] in the custom menu (other modes). Press the selected button to toggle the display.
- To adjust the color and strength of outlines, press the INFO button in the peaking display.
- Peaking tends to heighten the outlines of small objects, regardless of whether or not they are in focus.

Peaking Settings

Choose colors for the peaking display.

- This option is accessed via the menus (P.3).

```
MENU button ➔ * tab ➔ D tab ➔ [Peaking Settings] ➔ adjust settings
```

Choose the color (red, yellow, white, or black) and strength (normal, low, or high) of outlines and turn [Image Brightness Adj.] on or off.

MF Clutch

Enable or disable the MF clutch on lenses with an MF clutch.

- This option is accessed via the menus (P.3).

```
MENU button ➔ * tab ➔ A8 tab ➔ [MF Clutch] ➔ choose [Operative] or [Inoperative]
```
AF Area

Choose a target selection method and target size.
• This option is accessed via the LV super control panel (P.3).

1  Press the OK button.

2  Use the arrow pad to highlight [AF Area] and press the OK button.
• You can also use the rear dial.

3  Use the front dial to choose from all- and single-target modes.
• In single-target mode, you can position the AF target using the arrow pad.

4  Press the OK button.

Touch AF

Focus using touch controls.
• This option is accessed via touch controls.
• To enable touch AF, tap the T button to select T. You can then tap the display to position the AF target and focus. Touch focus can be used while recording is in progress.

Face Priority AF/Eye Priority AF

Give priority to faces or eyes when focusing.
• This option is accessed via the LV super control panel (P.3).

1  Press the OK button.

2  Use the arrow pad to highlight [Face Priority] and press the OK button.
• You can also use the rear dial.

3  Use the left and right arrow buttons to highlight an option and press the OK button.
• You can also use the front dial.

This option can also be accessed via the live control (P.4) or by rotating the rear dial in the [AF Area] display.
Movie K

Movie sound settings.

- This option is accessed via the menus (P.3).

**MENU** button ➔ 🎧 tab ➔ [Movie 🎧] ➔ [On] ➔ audio settings

<table>
<thead>
<tr>
<th>Option</th>
<th>Sub-option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recording Volume</td>
<td>Built-in 🎧</td>
<td>-10 to +10 Adjust the sensitivity of built-in and external microphones.</td>
</tr>
<tr>
<td></td>
<td>MIC 🎧</td>
<td>-10 to +10 • The sensitivity of external microphones connected to the microphone jack can be adjusted using [MIC 🎧].</td>
</tr>
<tr>
<td>Volume Limiter</td>
<td>Off</td>
<td>Limit microphone sensitivity.</td>
</tr>
<tr>
<td></td>
<td>On</td>
<td></td>
</tr>
<tr>
<td>Wind Noise Reduction</td>
<td>Off</td>
<td>Reduce wind noise.</td>
</tr>
<tr>
<td></td>
<td>Low</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Normal</td>
<td></td>
</tr>
<tr>
<td></td>
<td>High</td>
<td></td>
</tr>
<tr>
<td>Plug-in Power</td>
<td>Off</td>
<td>Choose whether to supply power to external microphones.</td>
</tr>
<tr>
<td></td>
<td>On</td>
<td>• Select [Off] when using microphones that do not require power from the camera.</td>
</tr>
<tr>
<td>PCM Recorder 🎧 Link</td>
<td>Camera Rec. Volume</td>
<td>Enabled</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Disabled</td>
</tr>
<tr>
<td></td>
<td>Slate Tone</td>
<td>Off</td>
</tr>
<tr>
<td></td>
<td></td>
<td>On</td>
</tr>
<tr>
<td></td>
<td>Synchronized Rec.</td>
<td>Off</td>
</tr>
<tr>
<td></td>
<td></td>
<td>On</td>
</tr>
<tr>
<td>Headphone Volume</td>
<td>1 to 16</td>
<td>Adjust headphone volume.</td>
</tr>
</tbody>
</table>
Recording Movie Audio with an Olympus LS-100 IC Recorder

When movie audio is recorded via an Olympus LS-100 IC recorder, camera controls can be used to record a slate tone or to start and stop recording. Select [Movie [Movie] > [PCM Recorder [PCM Recorder Link] and choose [On] for both [Slate Tone] and [Synchronized [Synchronized Rec.]]. You should also check that the LS-100 firmware has been updated to the latest version.

1 Connect a microphone to the LS-100 and plug the LS-100 into the camera USB connector.
   • When the LS-100 is connected via USB, a message will be displayed prompting you to choose a connection type. Select [PCM Recorder]. If no message displayed, go to the custom menus and select [Auto] for [USB Mode].

2 Start movie recording.
   • The LS-100 will begin recording audio.
   • To record a slate tone, press and hold the [Q] button.

3 End movie recording.
   • The LS-100 will stop recording audio.

Additional information is available in the documentation provided with the LS-100.

Card Slot Settings

Choose the card slot used for shooting or playback when two cards are inserted.
• This option is accessed via the menus (P.3).

MENU button ➔ ⋄ tab ➔ ⦿ tab ➔ [Card Slot Settings] ➔ choose an option
Save Settings

Choose how movies are saved.

• This option is accessed via the LV super control panel (P.3).

Choosing a Slot

This option is not available when only one card is inserted.

1 Press the OK button.

2 Use the arrow pad to highlight [Save Settings] and press the OK button.
   • You can also use the rear dial.

3 Use the up and down arrow buttons to highlight [Save Slot] and press the right arrow button.

4 Use the up and down arrow buttons to highlight a slot and press the OK button.

Choosing a Folder

1 Press the OK button.

2 Use the arrow pad to highlight [Save Settings] and press the OK button.
   • You can also use the rear dial.

3 Use the up and down arrow buttons to highlight [Assign Save Folder] and press the right arrow button.

4 Use the up and down arrow buttons to highlight [Assign] and press the right arrow button.
   • If you select [New Folder], specify the 3-digit folder number and press the OK button.
   • If you select [Existing Folder], use the up and down arrow buttons to select the existing folder and press the OK button.

This option can also be accessed using the [Card Slot Settings] (P.19) option in Custom Menu H1.
Image Stabilizer

Choose an image stabilization option for movie recording.

• This option is accessed via the LV super control panel (P.3).

1 Press the OK button.

2 Use the arrow pad to highlight [Image Stabilizer] and press the OK button.
   • You can also use the rear dial.

3 Use the left and right arrow buttons to highlight an option and press the OK button.
   • You can also use the front dial.

<table>
<thead>
<tr>
<th>OFF</th>
<th>Movie-I.S. Off</th>
<th>Image stabilizer off.</th>
</tr>
</thead>
<tbody>
<tr>
<td>M-IS 1</td>
<td>All Direction Shake I.S.</td>
<td>The camera uses both sensor shift (VCM) and electronic correction.</td>
</tr>
<tr>
<td>M-IS 2</td>
<td>All Direction Shake I.S.</td>
<td>The camera uses sensor shift (VCM) correction only. Electronic correction is not used.</td>
</tr>
</tbody>
</table>

• The edges of the frame are cropped out when [M-IS 1] is selected, reducing the area recorded.

• In addition to [Image Stabilizer], the LV super control panel offers an [Image Stabilizer] option exclusively for photographs. The option chosen for [Image Stabilizer] has no effect in movie mode.

• This option can also be accessed via the menus (P.3) and live control (P.4).
HDMI Output

Adjust settings for connection to HDMI devices when recording movies.
- This option is accessed via the menus (P.3).

**MENU** button ➔ [tab] ➔ [HDMI Output] ➔ adjust settings

<table>
<thead>
<tr>
<th>Option</th>
<th>Sub-option</th>
<th>Description</th>
</tr>
</thead>
</table>
| Output Mode  | Monitor Mode | The HDMI device functions as an external monitor. Monitor options can be adjusted using the [HDMI] option in Custom Menu  
| Record Mode  |              | The HDMI device functions as an external recorder. Images and audio are output at the settings selected with the camera. |
| REC Bit      | Off          | Choose whether the camera transmits recording triggers to external devices.                      |
|              | On           |                                                                                                  |
| Time Code    | Off          | Choose whether the camera transmits time codes to external devices.                              |
|              | On           |                                                                                                  |

ISO Sensitivity

Choose an ISO sensitivity for **M** mode.
- This option is accessed via the LV super control panel (P.3).

1 Press the 
2 Use the arrow pad to highlight ISO sensitivity and press the button.
   - You can also use the rear dial.
3 Use the left and right arrow buttons to highlight an option and press the button.
   - You can also use the front dial.

- Choose from settings of ISO 200 to 6400 (**M** mode).
- In **P/A/S** modes, ISO sensitivity is fixed at AUTO and the camera adjusts sensitivity automatically (maximum ISO 6400).
- This option can also be accessed via the live control (P.4).
**Sharpness**
Adjust sharpness.
• This option is accessed via the LV super control panel (P.3).

1 Press the OK button.

2 Use the arrow pad to highlight [Sharpness] and press the OK button.
   • You can also use the rear dial.

3 Use the left and right arrow buttons to highlight an option and press the OK button.
   • You can also use the front dial.

**Contrast**
Adjust contrast.
• This option is accessed via the LV super control panel (P.3).

1 Press the OK button.

2 Use the arrow pad to highlight [Contrast] and press the OK button.
   • You can also use the rear dial.

3 Use the left and right arrow buttons to highlight an option and press the OK button.
   • You can also use the front dial.

**Saturation**
Adjust color saturation (vividness).
• This option is accessed via the LV super control panel (P.3).

1 Press the OK button.

2 Use the arrow pad to highlight [Saturation] and press the OK button.
   • You can also use the rear dial.

3 Use the left and right arrow buttons to highlight an option and press the OK button.
   • You can also use the front dial.
Gradation

Adjust tone.
• This option is accessed via the LV super control panel (P.3).

1 Press the OK button.

2 Use the arrow pad to highlight [Gradation] and press the OK button.
   • You can also use the rear dial.

3 Use the left and right arrow buttons to highlight an option and press the OK button.
   • You can also use the front dial.

Highlight&Shadow

Adjust the brightness of highlights and shadows.
• This option is accessed via the LV super control panel (P.3).

1 Press the OK button.

2 Use the arrow pad to highlight [Highlight&Shadow] and press the OK button.
   • You can also use the rear dial.

3 Use the arrow pad to adjust settings and press the OK button.
   • Press the INFO button to switch between the highlight and shadow and mid-tone displays.
   • The front and rear dials can be used in place of the arrow pad.
Noise Filter

Reduce noise in movies filmed at high ISO sensitivities.

- This option is accessed via the menus (P.3).

**MENU** button ➔ [tab] ➔ [specification settings] ➔ [Noise Filter] ➔ select an option

Button Function

Customize buttons for use in movie mode.

- This option is accessed via the menus (P.3).

**MENU** button ➔ [tab] ➔ [Button/Dial/Lever] ➔ [Button Function] ➔ adjust settings

The default movie mode function button settings are as follows:

<table>
<thead>
<tr>
<th>Button</th>
<th>Default</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fn1 Function</td>
<td>AF Area Select</td>
</tr>
<tr>
<td>Fn2 Function</td>
<td>Multi Function</td>
</tr>
<tr>
<td>(REC) Function</td>
<td>(REC)</td>
</tr>
<tr>
<td>AE Function</td>
<td>AEL/AFL</td>
</tr>
<tr>
<td>(ISO/WB) Function</td>
<td>Peaking</td>
</tr>
<tr>
<td>(ISO/WB) Function</td>
<td>Direct Function</td>
</tr>
<tr>
<td>(ISO/WB) Function</td>
<td>Direct Function</td>
</tr>
<tr>
<td>(ISO/WB) Function</td>
<td>Direct Function</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Button</th>
<th>Default</th>
</tr>
</thead>
<tbody>
<tr>
<td>(REC) Function</td>
<td>Electronic Zoom 1</td>
</tr>
<tr>
<td>(ISO/WB) Function</td>
<td>ISO/WB</td>
</tr>
<tr>
<td>(ISO/WB) Function</td>
<td>AF Area Select</td>
</tr>
<tr>
<td>(ISO/WB) Function</td>
<td>AEL/AFL</td>
</tr>
<tr>
<td>(ISO/WB) Function</td>
<td>Direct Function</td>
</tr>
<tr>
<td>(ISO/WB) Function</td>
<td>Electronic Zoom 1</td>
</tr>
<tr>
<td>(ISO/WB) Function</td>
<td>ISO/WB</td>
</tr>
<tr>
<td>L-Fn Function</td>
<td>AF Stop</td>
</tr>
</tbody>
</table>

1 Available with power zoom lenses.
2 Available with the optional power battery holder (HLD-9).
3 Available with lenses equipped with L-Fn buttons.
### Available Options

The functions that can be assigned to the buttons are listed below. The options available vary from button to button.

<table>
<thead>
<tr>
<th>Button</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>AF Stop</td>
<td>End autofocus.</td>
</tr>
</tbody>
</table>
| (AEL/AFL) | Lock focus or exposure.  
- In the case of exposure lock, press the button to lock exposure. AEL will be displayed in the monitor; press the button again to end exposure lock. |
| REC | Record movies. |
| [:] (AF Area Select) | Choose the AF target (P.17). |
| MF | Toggle [MF] mode.  
- Press the button again to restore the previously selected AF mode.  
- The focus mode can be selected by rotating a dial while the button is pressed. |
| (Exposure compensation) | Adjust exposure compensation.  
- In P, A, and S modes, press the button and use the dials or the left and right arrow buttons to adjust exposure.  
- In M mode, press the button and use the dials or arrow pad to adjust shutter speed and aperture. |
| Movie Tele-converter | Zoom in on an area of the frame without zooming the lens. Use to zoom in on a selected area without moving the camera.  
- Pressing the button displays the zoom frame; press the button again to zoom in. Use the arrow pad to move the crop anywhere in the frame.  
- Press the button a third time to cancel zoom. |
| (Magnify) | Zoom the display in or out.  
- Press the button to display the magnification frame and press it again to zoom in.  
- Press and hold the button to cancel zoom. |
| ISO/WB | Adjust ISO sensitivity using the front dial and white balance using the rear dial. |
| WB/ISO | Adjust white balance using the front dial and ISO sensitivity using the rear dial. |
| Multi Function | Recall a selected function.  
- The multi-function button can be assigned the following roles:  
  - (Highlight&Shadow Control), (Color Creator), (ISO/WB), (WB/ISO), (Magnify), (Image Aspect), (S-OVF), (Peaking) |
| **Peaking** | View or hide the peaking display.  
- The histogram and highlight/shadow displays are not available when peaking is enabled.  
- When using peaking, you can press the **INFO** button to adjust colors and outlines. |
| **[ ] (View Selection)** | Turn live view on or off.  
- If the eye sensor is disabled, the button can be used to switch between the monitor and EVF displays. |
| **IS Mode** | Enable or disable image stabilization.  
- The image stabilization mode can be selected by rotating a dial while the button is pressed. |
| **Preset MF** | Toggle preset MF.  
- Press the button again to restore the previously selected AF mode.  
- The focus mode can be selected by rotating the dial while the button is pressed. |
| **Lens (Lens Info Settings)** | Display the lens information settings menu. |
| **S-AF** | Focus. |
| **[ ] (Switch Lock)** | Enable or disable touch screen operation by pressing and holding the button.  
- This option can only be used when [Direct Function] is selected for [ Function]. |
| **Electronic Zoom** | Adjust zoom using the arrow pad (power zoom lenses only).  
- This option can only be used when [Direct Function] is selected for [ Function]. |

- The [ Function] and [ Function] options can only be used when [Direct Function] is selected for [ Function].
- The [ Function] and [ Function] options can only be used when [Direct Function] is selected for [ Function].
- The [Direct Function] option for the button applies to the arrow pad.
- Assign [::] to the button to use it for AF target selection.
- The button can be used for the functions available on some lenses.
Dial Function

Customize dials for use in movie mode.

- This option is accessed via the menus (P.3).

**MENU** button ➔ tab ➔ [Button/Dial/Lever] ➔ [Dial Function] ➔ choose the roles of the dials in movie mode

The roles available to the front and rear dials vary with the exposure mode. The functions that can be assigned to the dials are as follows:

<table>
<thead>
<tr>
<th>Available roles</th>
<th>Exposure mode</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>P</td>
</tr>
<tr>
<td>Shutter speed</td>
<td>—</td>
</tr>
<tr>
<td>Aperture</td>
<td>—</td>
</tr>
<tr>
<td>Exposure compensation</td>
<td>✓</td>
</tr>
<tr>
<td>ISO sensitivity</td>
<td>—</td>
</tr>
<tr>
<td>WB mode</td>
<td>✓</td>
</tr>
<tr>
<td>CWB color temperature</td>
<td>✓</td>
</tr>
<tr>
<td>VOL</td>
<td>✓</td>
</tr>
<tr>
<td>VOL</td>
<td>✓</td>
</tr>
</tbody>
</table>

Fn Lever Function

Customize the Fn lever for use in movie mode.

- This option is accessed via the menus (P.3).

**MENU** button ➔ tab ➔ [Button/Dial/Lever] ➔ [Fn Lever Function] ➔ select an option

<table>
<thead>
<tr>
<th>mode1</th>
<th>The functions accessible via the Fn lever are selected using [Dial Function].</th>
</tr>
</thead>
<tbody>
<tr>
<td>mode2</td>
<td>Use the Fn lever to toggle between two sets of focus settings. Press the right arrow button to select the settings to which toggle applies. Choose from AF mode, AF target settings (I/・/・/I), and AF area (・).</td>
</tr>
</tbody>
</table>

[Fn Lever Function] has no effect when [mode3] is selected for [Fn Lever Function] or when [Power 1] or [Power 2] is selected for [Fn Lever/Power Lever]. In these cases, the Fn lever performs the function assigned using [Fn Lever Function] or [Fn Lever/Power Lever].
Shutter Function

Choose the role played by the shutter button in movie mode.

- This option is accessed via the menus (P.3).

**MENU button ➔ 📆 tab ➔ [📸 Button/Dial/Lever] ➔ [📸 Shutter Function] ➔ choose the role of the shutter button in movie mode**

<table>
<thead>
<tr>
<th>📆</th>
<th>Press the shutter button to focus using autofocus. The shutter button can not be used to take photographs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>📆 REC</td>
<td>Press the shutter button all the way down to start and end movie recording.</td>
</tr>
</tbody>
</table>

Elec. Zoom Speed

Choose a power zoom speed for movie mode.

- This option is accessed via the menus (P.3).

**MENU button ➔ 📆 tab ➔ [📸 Button/Dial/Lever] ➔ [📸 Elec. Zoom Speed] ➔ choose options**

Control Settings

Choose LV super control panel and live control display options for movie mode.

- This option is accessed via the menus (P.3).

**MENU button ➔ 📆 tab ➔ [📸 Display Settings] ➔ [📸 Control Settings] ➔ choose options**

Info Settings

Choose information display options for movie mode.

- This option is accessed via the menus (P.3).

**MENU button ➔ 📆 tab ➔ [📸 Display Settings] ➔ [📸 Info Settings] ➔ choose an option**
**Time Code Settings**

Choose time code options.
- This option is accessed via the menus (P.3).

```
MENU button ➔  tab ➔ [ Display Settings] ➔  
[Time Code Settings] ➔ adjust settings
```

<table>
<thead>
<tr>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time Code Mode</td>
<td></td>
</tr>
<tr>
<td>Drop Frame</td>
<td>Clocked time is adjusted to match real time. Choose for accurate time recording.</td>
</tr>
<tr>
<td>Non-DF (no drop frame)</td>
<td>Clocked time is not adjusted to match real time.</td>
</tr>
<tr>
<td>Count Up</td>
<td></td>
</tr>
<tr>
<td>Rec Run</td>
<td>Time is clocked during movie recording.</td>
</tr>
<tr>
<td>Free Run</td>
<td>Time is clocked continuously, even when the camera is off.</td>
</tr>
<tr>
<td>Starting Time</td>
<td></td>
</tr>
<tr>
<td>Reset</td>
<td>Choose the time code starting time.</td>
</tr>
<tr>
<td>Manual Input</td>
<td></td>
</tr>
<tr>
<td>Current Time</td>
<td></td>
</tr>
</tbody>
</table>

Time codes are not recorded with Motion JPEG (MPEG) movies.

**Display Pattern**

Choose whether the camera displays the battery level as a percentage or number of minutes remaining.
- This option is accessed via the menus (P.3).

```
MENU button ➔  tab ➔ [ Display Settings] ➔  
[ Display Pattern] ➔ choose a display type
```

<table>
<thead>
<tr>
<th>Display Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>%</td>
<td>The battery level is shown as a percentage.</td>
</tr>
<tr>
<td>min</td>
<td>The battery level shows the recording time remaining, in minutes.</td>
</tr>
</tbody>
</table>

The display of time remaining is intended as a guide only.
My Clips

Record short clips in a specialized image quality mode and then combine the clips into a longer movie.

■ Recording Clips

1 Rotate the mode dial to  

2 Press the button to display the LV super control panel.

3 Use the arrow pad to highlight [ ].
   • You can also use the rear dial.
   • [ ] can also be accessed via the live control (P.4) or using [ Specification Settings] in the movie menu.

4 Highlight using the front dial and press the button.
   • To choose a [Movie Resolution], [Compression/Bit Rate], [Frame Rate], and [Clip Recording Time], press the INFO button. Highlight [Movie Resolution], [Compression/Bit Rate], [Frame Rate], and [Clip Recording Time] using the left and right arrow buttons and use the up and down arrow buttons to choose options.

5 Press the button to start shooting.
   • To extend recording, press the button while recording is in progress. Recording can be extended by up to 16 seconds by pressing the button repeatedly.
   • Recording ends automatically when the clip reaches the length selected for [Clip Recording Time]. Completed clips will automatically be added to “My Clips” and a confirmation dialog will be displayed.

6 View the clip in the confirmation dialog.
   • Press the up arrow button to view the clips in the current “My Clips” album in order. To end playback, press the button.

7 Press the button to exit the confirmation dialog.
   • Repeat Steps 5 to 7 to record additional clips. New clips will be added to the same album as previous clips unless they differ from previous clips in such respects as movie resolution or frame rate, in which case they will be added to a different album.

Pressing the down arrow button displays a dialog where you can reorder the clips (P.34). To delete the clip, press  and select [Yes].
Viewing My Clips

1 Press the button to start single-frame playback.

2 Display a clip (any movie marked with a icon) and press the button.
   - A menu will be displayed.

3 Use the up and down arrow buttons to highlight [Play My Clips] and press the button.
   - The clips in “My Clips” will play in order.
   - Press the button again to end playback.
   - The menu displayed by pressing the button in single-frame playback can also be used to view just the current clip ([Movie Interval]) or to perform such operations as trimming clips ([Movie Edit]>[Movie Trimming]).
Managing and Editing My Clips

The “My Clips” playback dialog can be used for such operations as viewing and exporting “My Clips” movies and changing the order of the clips within a movie.

1 Press the button to start single-frame playback.

2 Display a clip (any movie marked with a icon) and press the button.
   • A menu will be displayed.

3 Use the up and down arrow buttons to highlight [See all My Clips] and press the button.
   • The “My Clips” playback dialog will be displayed.

The My Clips Playback Dialog

The “My Clips” playback dialog can be used for the following operations:

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Play My Clips</td>
<td>To view all the clips in the current “My Clips” album in order, highlight [Play My Clips] and press the button. Press the button again to end playback.</td>
</tr>
<tr>
<td>Movie Interval</td>
<td>To play only the current clip, highlight [Movie Interval] and press the button. Press MENU to end playback.</td>
</tr>
<tr>
<td>Export My Clips</td>
<td>Create a movie from the clips in the current “My Clips” album (P.37).</td>
</tr>
<tr>
<td>Rearrange Order</td>
<td>Reorder clips or create new “My Clips” albums (P.34).</td>
</tr>
<tr>
<td>Preset Destination</td>
<td>Choose the “My Clips” album to which subsequent clips will be recorded (P.35).</td>
</tr>
<tr>
<td>Delete My Clips</td>
<td>To delete all unprotected clips in the current “My Clips” album, highlight [Delete My Clips] and press the button.</td>
</tr>
<tr>
<td></td>
<td>• The clips will also be deleted from the memory card.</td>
</tr>
<tr>
<td>Erase</td>
<td>To delete the current clip, highlight [Yes] and press the button.</td>
</tr>
<tr>
<td></td>
<td>• The clip will also be deleted from the memory card.</td>
</tr>
</tbody>
</table>
Rearrange Order

Reordering and Moving Clips

1. Use the arrow pad to highlight a clip and press the OK button.

2. Use the up and down arrow buttons to highlight [Rearrange Order] and press the OK button.
   - A dialog will be displayed where you can choose the clip order.

3. Move clips using the arrow pad and press the OK button.
   - The clips will be listed in the new order from now on.

Creating New My Clips Albums

1. Use the arrow pad to highlight a clip and press the OK button.

2. Use the up and down arrow buttons to highlight [Rearrange Order] and press the OK button.
   - A dialog will be displayed where you can choose the clip order.

3. Use the up arrow button to move a clip into the area at the top of the dialog and press the OK button.
   - The selected clip will be removed from its current “My Clips” album and placed in a new album.
Removing Clips from My Clips Albums

1 Use the arrow pad to highlight a clip and press the OK button.

2 Use the up and down arrow buttons to highlight [Rearrange Order] and press the OK button.
   • A dialog will be displayed where you can choose the clip order.

3 Use the arrow pad to move a clip into the area and press the OK button.
   • The clip will be removed from “My Clips”.

Preset Destination

Choose the “My Clips” album to which new clips will be recorded.

1 Use the arrow pad to highlight the “My Clips” to which new clips will be recorded and press the OK button.

2 Use the up and down arrow buttons to highlight [Preset Destination] and press the OK button.
   • A confirmation dialog will be displayed.

3 Press the OK button.
   • All new clips will be recorded to the selected “My Clips” album.
   • Clips with [Movie Resolution], [Bit Rate], or [Frame Rate] settings that differ from those of the clips in the selected album will either be recorded to a new album or to an album of clips with matching settings.
Adding Photos to My Clips (Add to My Clips)

Photos or clips not already in a “My Clips” album can be added to “My Clips”.

- RAW or High Res Shot images in “My Clips” appear as low-resolution previews.

1. Press the button to start single-frame playback.

2. Use the left and right arrow buttons to highlight a photo or clip you want to add to “My Clips” and press the button.
   - A menu will be displayed.

3. Use the up and down arrow buttons to highlight [Add to My Clips] and press the button.

4. Use the arrow pad to position the photo or clip in the current “My Clips” album and press the button.
   - The selected photo or clip will be added to “My Clips” and the camera will return to single-frame playback.
Creating Movies from My Clips

1. Press the button to start single-frame playback.

2. Display a clip (any movie marked with a icon) in single-frame playback and press the button.
   - A menu will be displayed.

3. Use the up and down arrow buttons to highlight [Export My Clips] and press the button.
   - The [Export My Clips] menu will be displayed.

4. Choose the effects that will be applied to the movie and adjust other settings.
   - When creating movies from “My Clips”, you can add effects, background tracks, and the like.

   Use the up and down arrow buttons to highlight items and press the button to view options for the highlighted item. Use the up and down arrow buttons to highlight options and settings and press the button to select.

   | Clip Effects | Choose from 6 art effects. |
   | Transition Effect | Add fade transitions between clips. |
   | BGM | Choose whether to add a background track to the exported movie.
   | | • Background track selection is only available if you have imported background tracks downloaded from the Olympus website (P.38). |
   | Recorded Clip Volume | Choose the volume at which the audio recorded with the clips plays when [Party Time] is selected for [BGM]. |
   | Recorded Clip Sound | Select [On] to include the audio recorded with the clips in the final movie. This option is available only when [Off] is selected for [BGM]. |

5. Highlight [Preview] and press the button.
   - The movie that will be created from the exported clips will be shown in preview.
6 Highlight [Begin Export] and press the \( \text{OK} \) button.
- The combined album is saved as a single movie.
- Exporting a movie may take some time.
- The maximum length for movies created from “My Clips” is 15 minutes and the maximum file size is 4 GB.

- The camera may require additional time to display “My Clips” in certain circumstances, including after memory cards are removed and inserted or images are deleted or protected.
- Within the length and file size limits given above, the camera can record a maximum of 99 “My Clips” movies, with a maximum of 99 clips per movie.
- Only footage recorded using a clip image quality option can be included in “My Clips” movies; footage from other movies can not be added.

**Background Tracks**
To enable background track selection, import background tracks downloaded from the Olympus website.

1 Download a background track.
- Background tracks can be downloaded from the following website: http://support.olympus-imaging.com/bgmdownload/

2 Copy the downloaded track to the memory card you use in the camera.

3 Insert the card and turn the camera on.

4 Press the \( \text{播放/暂停} \) button to start single-frame playback.

5 Display a clip (any movie marked with a \( \text{icon} \) and press the \( \text{OK} \) button.
- A menu will be displayed.

6 Highlight [Export My Clips] and press the \( \text{OK} \) button.
- [Export My Clips] options will be displayed.

7 Highlight [BGM] and press the right arrow button.
- The track on the memory card will be imported to the camera and the previous track, if any, will be deleted.
Movie Effect

Record movies with special effects.
- This option is accessed via touch controls.

### Displaying Movie Effect Icons

The movie effect icons will only be displayed if [Movie Effect] is selected in the menus.

MENU button →  tab → [Display Settings] → [Info Settings] → [Custom1] → place a check next to [Movie Effect]

### Adding Movie Effects

1. Press the  button to start recording.
   - You can press the  button again to stop recording at any time.

2. Tap the icon for the desired effect.
   - Choose from the following effects. Effects can be changed during recording.

<table>
<thead>
<tr>
<th>Effect</th>
<th>Description</th>
</tr>
</thead>
</table>
| Art Fade        | Gradually apply a selected picture mode effect. The fade-in to the chosen effect starts when the effect is selected.  
                  | • Tap  and tap the desired picture mode. The fade-in starts when you remove your finger from the picture mode icon. |
| Old Film        | Randomly add dust and scratches to mimic the effect of old film.  
                  | • Tap  to apply the effect. Tap again to cancel.                        |
| Multi Echo      | Add after images. After images appear behind moving objects.  
                  | • Tap  to apply the effect. Tap again to cancel.                       |
| One Shot Echo   | Add short-lived after images which fade automatically with the passage of time.  
                  | • After images are added each time you tap .                           |
Movie Tele-converter

Zoom in on an area of the frame without zooming the lens. Use to zoom in on a selected area without moving the camera.

- Tapping displays the zoom frame. The zoom frame can be positioned by tapping anywhere in the frame.
- Tap to zoom in on the selected zoom frame.
- Tap to cancel zoom.
- To exit, tap off or press the button.
- Movie Tele-converter is not available at movie resolutions of [C4K] or [4K].

3 Press the button to end recording.

- Multiple effects can not be applied simultaneously.
- Depending on the picture mode, some effects may not be available.
- Audio recorded with the movie may include sounds made by buttons or by tapping the screen.
- Art Fade is not available with clips.
- The only effect available with slow/fast motion movies is Movie Tele-converter.
- Frame rates may drop if art filter or movie effects are applied at large movie resolutions such as [4K] or [C4K].
- Art filters can not be applied to slow/fast motion movies.
- You can not use movie effects with slow/fast motion movies or when filming in movie-only pictures modes.
Silent Shooting

To reduce the sounds made by camera controls during movie recording, touch controls can be used for power zoom, recording volume, aperture, shutter speed, exposure compensation, ISO sensitivity, and/or headphone volume adjustment.

- This option can be configured using the menus and is accessed via touch controls.

Displaying the Silent Shooting Tab

The silent shooting tab will only be displayed if [Silent Operation] is selected in the menus.

MENU button ➔ [Display Settings] ➔ [Info Settings] ➔ [Custom1] ➔ place a check next to [Silent Operation]

Choosing Silent Shooting Controls

1. Tap the silent shooting tab.
   - A silent shooting tab listing the following options will be displayed. The options available vary with the exposure mode.

<table>
<thead>
<tr>
<th>Icon</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>⚪️</td>
<td>Electronic zoom¹</td>
</tr>
<tr>
<td>🎞️</td>
<td>Recording volume</td>
</tr>
<tr>
<td>🎞️</td>
<td>Aperture</td>
</tr>
<tr>
<td>📷</td>
<td>Shutter speed</td>
</tr>
<tr>
<td>🕰️</td>
<td>Exposure compensation</td>
</tr>
<tr>
<td>⚫</td>
<td>ISO sensitivity</td>
</tr>
<tr>
<td>🎧</td>
<td>Headphone volume²</td>
</tr>
</tbody>
</table>

1. Available with power zoom lenses only.
2. Available only when headphones are used.

2. Tap ⬆️ ⬇️ to choose an option.
3. Tap 📌 to exit.
Play Movie

1 Press the ▶ button to start playback.

2 Display a movie you want to view and press the ◎ button.

3 Highlight [Play Movie] and press the ◎ button.
   • Movie playback will start.
   • Fast-forward and rewind using the left and right arrow buttons. Press the ◎ button again to pause playback. While playback is paused, use the up and down arrow buttons to skip to the first or last frame. Use the left and right arrow buttons or the front dial ( الغرف ) to rewind or advance one frame at a time. Press the MENU button to end playback.

Movies 4 GB or Larger
If the movie was automatically split into multiple files, pressing the ◎ button will display a menu containing the following options:

<table>
<thead>
<tr>
<th>Play from Beginning</th>
<th>View the entire movie.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Play Movie</td>
<td>View individual files.</td>
</tr>
<tr>
<td>Delete entire ◎</td>
<td>Delete the entire movie.</td>
</tr>
<tr>
<td>Erase</td>
<td>Delete individual files.</td>
</tr>
</tbody>
</table>
Movie Trimming

1 Press the ▶ button to start playback.

2 Display a movie you want to edit and press the ○ button.
   • A menu will be displayed.

3 Highlight [Movie Edit] and press the ○ button.

4 Use the up and down arrow buttons to highlight [Movie Trimming] and press the ○ button.

5 Highlight [Overwrite] or [New File] and press the ○ button.
   • [Overwrite] is not available with protected movies.

6 Use the left and right arrow buttons to select footage.
   • All footage between the selected frame and the beginning or the end of the movie will be deleted.

7 Highlight [Yes] and press the ○ button.

Saving Movie Stills

Create a still from a selected frame.

1 In the ▶ playback menu, highlight [Edit] and press the ○ button.

2 Use the up and down arrow buttons to highlight [Sel. Image] and press the ○ button.

3 Use the left and right arrow buttons to highlight a movie and press the ○ button.

4 Highlight [Movie Edit] and press the ○ button.

5 Use the up and down arrow buttons to highlight [In-Movie Image Capture] and press the ○ button.

6 Use the left and right arrow buttons to highlight a frame and press the ○ button to save a still of the selected frame.
   • This option is available with 4K MOV-format movies recorded using this camera with an aspect ratio of [16:9].
### Share Order

Select photos and movies for later transfer to a smartphone using OI.Share.
- Share orders cannot include Motion JPEG (H.264) movies.

1. Press the button to start playback.

2. Display a movie you want to share and press the button.
   - A menu will be displayed.

3. Highlight [Share Order] and press the button.

4. Press the up or down arrow button.
   - Images selected for sharing are marked by a icon.
   - To cancel sharing, press the up or down arrow button again.

### (Protect)

Protect photos and movies from accidental deletion.

1. Press the button to start playback.

2. Display an image you want to protect and press the AEL/AFL button.
   - Protected images are marked by a icon.
   - To remove protection, press the AEL/AFL again.

To protect images without using the AEL/AFL button (for example, when the AEL/AFL button is assigned some other role):

1. Press the button to start playback.

2. Display an image you want to protect and press the button.

3. Highlight [ ] and press the button.

4. Press the up or down arrow button.
   - Protected images are marked by a icon.
Slideshow

View a slide show of the photos and movies on the card.

1 Press the ⟦ button to start playback.
2 Press the OK button.
3 Highlight [Slideshow] and press the OK button.

4 Adjust settings.

<table>
<thead>
<tr>
<th>Start</th>
<th>Start the show. Images are displayed in order, starting with the current picture.</th>
</tr>
</thead>
<tbody>
<tr>
<td>BGM</td>
<td>Choose [Party Time] or [Off].</td>
</tr>
<tr>
<td>Slide</td>
<td>Choose the type of images included in the show.</td>
</tr>
<tr>
<td>Slide Interval</td>
<td>Choose the length of time each slide is displayed; options range from 2 to 10 seconds.</td>
</tr>
<tr>
<td>Movie Interval</td>
<td>Choose [Full] to play each movie in the show in its entirety, [Short] to play only the opening portion of each movie.</td>
</tr>
</tbody>
</table>

5 Highlight [Start] and press the OK button.

- During the show, you can use the up and down arrows to adjust the overall volume. While the volume indicator is displayed, you can use the left and right arrows to adjust the balance between the background music and the audio recorded with movies.

Erase

Delete the current photo or movie.

1 Press the ⟦ button to start playback.
2 Display a file you want to delete and press the file button.
3 Highlight [Yes] and press the OK button.
Focus Ring

Choose the direction of the focus ring.
• This option is accessed via the menus (P.3).

MENU button ➔ • tab ➔ A tab ➔ [Focus Ring] ➔
choose a focus ring direction

Reset Lens

Choose whether turning the camera off resets focus.
• This option is accessed via the menus (P.3).

MENU button ➔ • tab ➔ A tab ➔ [Reset Lens] ➔
choose [On] or [Off]

Flicker Reduction

Reduce the effects of flicker.
• This option is accessed via the menus (P.3).

MENU button ➔ • tab ➔ B tab ➔ [Flicker reduction] ➔
choose [Auto], [50Hz], or [60Hz]

This option takes effect in exposure modes P and A.

Grid Settings

Adjust settings for the framing grid display.
• This option is accessed via the menus (P.3).

MENU button ➔ • tab ➔ B tab ➔ [Grid Settings] ➔ adjust settings

<table>
<thead>
<tr>
<th>Display Color</th>
<th>Choose the line color and opacity. Settings can be saved as [Preset 1] or [Preset 2].</th>
</tr>
</thead>
<tbody>
<tr>
<td>Displayed Grid</td>
<td>Select [ ], [ ], [ ], [ ], [ ] or [ ] to display a grid in the monitor.</td>
</tr>
<tr>
<td>Apply Settings to EVF</td>
<td>If [On] is selected, the guides shown in the monitor will also be displayed in the viewfinder when [Style 1] or [Style 2] is selected for [EVF Style]. The option selected for [EVF Grid Settings] has no effect.</td>
</tr>
</tbody>
</table>
File Name

Choose how the camera numbers the files and folders on the memory card.
• This option is accessed via the menus (P.3).

**MENU** button ➔  tab ➔  tab ➔ [File Name] ➔ choose [Auto] or [Reset]

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto</td>
<td>When a new card is inserted, file numbering continues from the highest numbered file on the previous card. If this number is already in use, numbering will continue from the highest numbered file on the new card.</td>
</tr>
<tr>
<td>Reset</td>
<td>When a new card is inserted, the folder number is reset to 100 and the file number to 0001. If the card already contains images, numbering will continue from the highest numbered file on the new card.</td>
</tr>
</tbody>
</table>

When two cards are inserted, the same rule applies to both cards according to the file and folder numbers in use.

Edit Filename

Choose how the camera names image files.
• This option is accessed via the menus (P.3).

**MENU** button ➔  tab ➔  tab ➔ [Edit Filename] ➔ choose [sRGB] or [AdobeRGB] ➔ choose a file naming rule

Quick Erase

Choose whether a confirmation dialog is displayed when you press the button during playback.
• This option is accessed via the menus (P.3).

**MENU** button ➔  tab ➔  tab ➔ [Quick Erase] ➔ choose [On] or [Off]
Priority Set

Choose the default selection ([Yes] or [No]) for confirmation dialogs.

* This option is accessed via the menus (P.3).

MENU button ➔ ✾ tab ➔ ☐ tab ➔ [Priority Set] ➔ choose [Yes] or [No]

EVF Auto Switch

Choose whether the viewfinder turns on when you put your eye to the viewfinder.

* This option is accessed via the menus (P.3).

MENU button ➔ ✾ tab ➔ ☐ tab ➔ [EVF Auto Switch] ➔ choose [On] or [Off]

EVF Adjust

Adjust viewfinder brightness and hue.

* This option is accessed via the menus (P.3).

MENU button ➔ ✾ tab ➔ ☐ tab ➔ [EVF Adjust] ➔ adjust settings

* Put your eye to the viewfinder and use the arrow pad to adjust brightness and hue.
* If [On] is selected for [EVF Auto Luminance], viewfinder brightness will be adjusted automatically, as will the contrast of the information display.

EVF Style

Choose the viewfinder display style.

* This option is accessed via the menus (P.3).

MENU button ➔ ✾ tab ➔ ☐ tab ➔ [EVF Style] ➔ choose a display style
Press-and-Hold Time

Choose how long buttons must be pressed before function assigned to “press and hold” is activated.

- This option is accessed via the menus (P.3).

**MENU button ➔ ✶ tab ➔ ✡ tab ➔ [Press-and-hold Time] ➔ choose an option**

Level Adjust

Calibrate the level gauge.

- This option is accessed via the menus (P.3).

**MENU button ➔ ✶ tab ➔ ✡ tab ➔ [Level Adjust] ➔ choose a calibration method**

<table>
<thead>
<tr>
<th>Reset</th>
<th>Reset the level gauge to its default setting.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adjust</td>
<td>Match the 0 position to the camera’s current angle.</td>
</tr>
</tbody>
</table>

Touchscreen Settings

Enable or disable touch controls.

- This option is accessed via the menus (P.3).

**MENU button ➔ ✶ tab ➔ ✡ tab ➔ [Touchscreen Settings] ➔ choose [On] or [Off]**

Menu Recall

Choose whether the cursor returns to its last position when menus are displayed.

- This option is accessed via the menus (P.3).

**MENU button ➔ ✶ tab ➔ ✡ tab ➔ [Menu Recall] ➔ choose [Recall] or [Reset]**
Battery Settings

View battery status or choose the battery used first when the camera is used with the optional power battery holder (HLD-9).

- This option is accessed via the menus (P.3).

<table>
<thead>
<tr>
<th>MENU button → * tab → [Battery Settings] → adjust settings</th>
</tr>
</thead>
</table>

**Battery Priority**  
Choose which battery the camera uses first, that in the camera ([Body Battery]) or the battery in the power battery holder ([PBH Battery]).

**Battery Status**  
View battery status.

Backlit LCD

Choose the delay before the backlight dims to save power.

- This option is accessed via the menus (P.3).

| MENU button → * tab → [Backlit LCD] → choose the delay before the backlight dims |

Sleep

Choose the delay before the camera enters sleep mode.

- This option is accessed via the menus (P.3).

| MENU button → * tab → [Sleep] → choose the delay before the camera enters sleep mode |

Auto Power Off

Choose the delay before the camera turns off automatically.

- This option is accessed via the menus (P.3).

| MENU button → * tab → [Auto Power Off] → choose the delay before the camera turns off automatically |
Reset

Restore default settings.
- This option is accessed via the menus (P.3).

1 Press the **MENU** button

2 In **Shooting Menu 1**, highlight **[Reset / Custom Modes]** and press the **OK** button.

3 Use the up and down arrow buttons to highlight **[Reset]** and press the **OK** button.

4 Use the up and down arrow buttons to highlight one of the following options and press the **OK** button.

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Full</strong></td>
<td>Reset all settings to default values. The camera clock and settings such as language are not affected.</td>
</tr>
<tr>
<td><strong>Basic</strong></td>
<td>Reset basic shooting-relating settings to their default values.</td>
</tr>
</tbody>
</table>

5 Press the **OK** button.

6 Highlight **[Yes]** and press the **OK** button.
- Settings will be reset to default values.

Card Setup

Format memory cards or delete all images.
- This option is accessed via the menus (P.3).

## Format

Cards must be formatted in the camera before first use or after being used with other cameras or computers.

Formatting memory cards deletes all data stored on the card, including protected images. Before formatting, confirm that the card contains no images you wish to keep.

**MENU** button ➔ **tab** ➔ **[Card Setup]** ➔ select a slot
1 ➔ **[Format]**
2 ➔ **[Yes]**

1 Only if two cards are inserted.
2 Displayed if the card contains data.
**All Erase**

Delete all unprotected images from the memory card. Protected images are not deleted.

Before proceeding, confirm that the card does not contain images you wish to keep.

**MENU** button ➔ Ⅱ tab ➔ [Card Setup] ➔ select a slot ➔ [All Erase] ➔ [Yes]

* Only if two cards are inserted.

**Clock/Date Setting**

Set the clock (date and time).

* This option is accessed via the menus (P.3).

**MENU** button ➔ Ⅱ tab ➔ [ ] ➔ set the date and time and choose a date display format

**Language Setting**

Choose a language for the menus and other displays.

* This option is accessed via the menus (P.3).

**MENU** button ➔ Ⅱ tab ➔ [ ] ➔ choose a language

**Monitor Brightness Adjustment**

Adjust monitor brightness and hue.

* This option is accessed via the menus (P.3).

**MENU** button ➔ Ⅱ tab ➔ [ ] ➔ adjust brightness and hue
Wi-Fi Settings

Adjust settings for wireless connections between the camera and smartphones via OI.Share.

• This option is accessed via the menus (P.3).

**MENU** button ➔ tab ➔ [Wi-Fi Settings] ➔ adjust settings

Connection to Smartphone

Establish a wireless connection between the camera and a smartphone via OI.Share.

• Before proceeding, launch the dedicated “OI.Share” (OLYMPUS Image Share) app installed on your smartphone. Information on OI.Share is available from the following website: http://app.olympus-imaging.com/oishare/
• This item is accessed via the menus.

1 In the camera playback menu, highlight [Connection to Smartphone] and press the button.

• You can also connect by tapping in the monitor.

2 Adjust Wi-Fi settings following the instructions displayed in the monitor.

• A QR code will be displayed in the monitor together with the SSID and password.

3 Launch OI.Share on your smartphone and scan the QR code displayed in the camera monitor.

• A connection will be established automatically.
• You may need to configure your smartphone manually after scanning the QR code.
• If you are unable to scan the QR code, you can connect by opening Wi-Fi settings on your smartphone and manually entering the SSID and password. See the documentation provided with your smartphone for more information.

4 To end the connection, press the camera **MENU** button or tap [End Wi-Fi] in the camera monitor.

• You can also use OI.Share to end the connection and turn the camera off.
• The connection is now ended.
• While connected to a smartphone running OI.Share, the camera will function as if [Standard] were selected for [Card Slot Settings] > [Save Slot] in Custom Menu [ メニュー ], and OI.Share will have access only to the card in the slot currently selected for [Save Slot]. The slot can not be changed using OI.Share.

• If only one card is inserted, OI.Share will select the correct slot automatically.

• Movies are recorded to the card used for photographs, regardless of the option selected for [Save Slot].

• Read the section “Using the wireless LAN function” in the camera manual before using wireless LAN.

• Olympus accepts no responsibility for any violations of wireless regulations that may result from the use of wireless LAN in a region other than that in which the camera was purchased.

• Be aware that wireless transmissions are vulnerable to interception by third parties.

• The camera can not connect to wireless LANs via home routers or public access points.

• The transmitting antenna is located inside the grip. Keep the antenna away from metal objects whenever possible.

• Using wireless LAN increases the drain on the battery. Data transfer may be interrupted if the battery runs low.

• Microwaves, cordless telephones, and other devices that generate magnetic fields, static electricity, or radio waves may slow or otherwise interfere with wireless data connections in their vicinity.
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