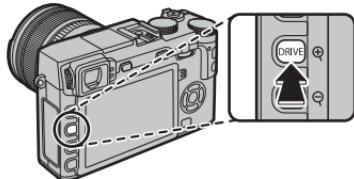


## Multiple Exposures

Create a photograph that combines two exposures.



- 1 Press the **DRIVE** button to display drive options. Press the selector up or down to highlight **Adv.**, then press the selector left or right to highlight **多重曝光** **MULTIPLE EXPOSURE** and press **MENU/OK**.



- 2 Take the first shot.
- 3 Press **MENU/OK**. The first shot will be shown superimposed on the view through the lens and you will be prompted to take the second shot.
  - ◆ To return to Step 2 and retake the first shot, press the selector left. To save the first shot and exit without creating a multiple exposure, press **DISP/BACK**.

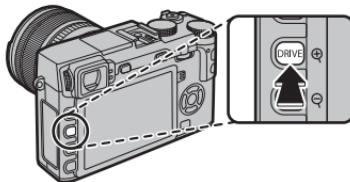
- 4 Take the second shot, using the first frame as a guide.
- 5 Press **MENU/OK** to create the multiple exposure, or press the selector left to return to Step 4 and retake the second shot.

## Advanced Filter

Take photos with filter effects.

1 Press the **DRIVE** button to display drive options.

Press the selector up or down to highlight  and press **MENU/OK**.



2 Choose from the following filters and press **MENU/OK**.

Filter	Description
 <b>TOY CAMERA</b>	Choose for a retro toy camera effect.
 <b>MINIATURE</b>	The tops and bottoms of pictures are blurred for a diorama effect.
 <b>POP COLOR</b>	Create high-contrast images with saturated colors.
 <b>HIGH-KEY</b>	Create bright, low-contrast images.
 <b>LOW-KEY</b>	Create uniformly dark tones with few areas of emphasized highlights.

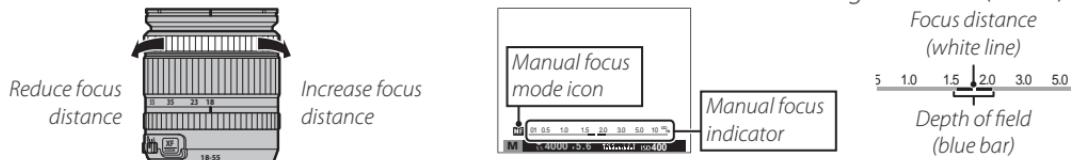
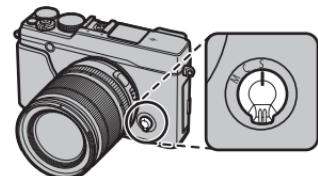
Filter	Description
 <b>DYNAMIC TONE</b>	Dynamic tone expression is used for a fantasy effect.
 <b>SOFT FOCUS</b>	Create a look that is evenly soft throughout the whole image.
 <b>PARTIAL COLOR (RED)</b>	Areas of the image that are the selected color are recorded in that color. All other areas of the image are recorded in black-and-white.
 <b>PARTIAL COLOR (ORANGE)</b>	
 <b>PARTIAL COLOR (YELLOW)</b>	
 <b>PARTIAL COLOR (GREEN)</b>	
 <b>PARTIAL COLOR (BLUE)</b>	
 <b>PARTIAL COLOR (PURPLE)</b>	

Depending on the subject and camera settings, images may in some cases be grainy or vary in brightness and hue.

## Focus Mode

Use the focus mode selector to choose how the camera focuses (note that regardless of the option selected, manual focus will be used when the lens is in manual focus mode).

- **S** (single AF): Focus locks while the shutter button is pressed halfway. Choose for stationary subjects.
- **C** (continuous AF): Focus is continually adjusted to reflect changes in the distance to the subject while the shutter button is pressed halfway. Use for subjects that are in motion.
- **M** (manual): Focus manually using the lens focus ring. Rotate the ring left to reduce the focus distance, right to increase. The manual focus indicator indicates how closely the focus distance matches the distance to the subject in the focus brackets (the white line indicates the focus distance, the blue bar the depth of field, or in other words the distance in front of and behind the focus point that appears to be in focus); you can also check focus visually in the viewfinder or LCD monitor. Choose for manual control of focus or in situations in which the camera is unable to focus using autofocus (57).

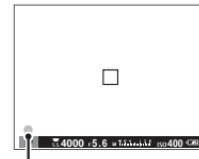


- ❖ Use the **FOCUS RING** option in the setup menu (109) to reverse the direction of rotation of the focus ring.
- ❖ To use autofocus to focus on the subject in the selected focus area (71), press the **AF-L** button (the size of the focus area can be chosen with the command dial). In manual focus mode, you can use this feature to quickly focus on a chosen subject using either single or continuous AF according to the option chosen for **AUTO-FOCUS SETTING > INSTANT AF SETTING** (000).

- ◆ The camera can show focus distance in meters or feet. Use the **SCREEN SET-UP > FOCUS SCALE UNITS** option in the setup menu (108) to choose the units used.
- ◆ If **ON** is selected for **AUTOFOCUS SETTING > PRE-AF** in the shooting menu (000), focus will be adjusted continuously in modes **S** and **C** even when the shutter button is not pressed.

## ■ The Focus Indicator

The focus indicator turns green when the subject is in focus and blinks white when the camera is unable to focus. Brackets ("( )") indicate that the camera is focusing and are displayed continuously in mode **C** while the shutter button is pressed half-way. **MF** is displayed in manual focus mode.



Focus indicator

### Checking Focus

To zoom in on the current focus area (71) for precise focus, press the center of the command dial. Press again to cancel zoom. In manual focus mode, zoom can be adjusted by rotating the command dial when **STANDARD** or **FOCUS PEAK HIGHLIGHT** is selected for **MF MF ASSIST**, while if **ON** is selected for **SCREEN SET-UP > FOCUS CHECK**, the camera will automatically zoom in on the selected focus area when the focus ring is rotated. Focus zoom is not available in focus mode **C** or when **AUTOFOCUS SETTING > PRE-AF** is on or an option other than **SINGLE POINT** is selected for **AUTOFOCUS SETTING > AF MODE**.



**■ MF Assist**

The **MF MF ASSIST** option in the setup menu can be used to check focus when pictures are framed in the LCD monitor or electronic viewfinder in manual focus mode.

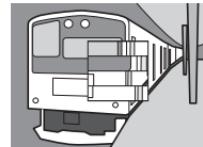
◆ The **MF MF ASSIST** menu can be displayed by pressing and holding the center of the command dial.

The following options are available:

- **FOCUS PEAK HIGHLIGHT**: Highlights high-contrast outlines. Rotate the focus ring until the subject is highlighted.



- **DIGITAL SPLIT IMAGE**: Displays a split, black-and-white image in the center of the frame. Frame the subject in the split-image area and rotate the focus ring until the three parts of the split image are correctly aligned.

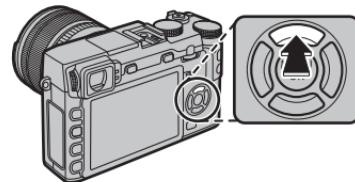


## Autofocus Options (AF Mode)

To choose the AF mode for focus modes **S** and **C**, press the function button (**Fn3**) to display the options shown below, then press the selector up or down to highlight an option and press **MENU/OK** to select.

- **SINGLE POINT**: The camera focuses on the subject in the selected focus point. Use for pin-point focus on a selected subject.
- **ZONE**: The camera focuses on the subject in the selected focus zone. Focus zones include multiple focus points ( $5 \times 3$ ,  $5 \times 5$ , or  $3 \times 3$ ), making it easier to focus on subjects that are in motion.
- **WIDE/TRACKING**: In focus mode **C**, the camera tracks focus on the subject in the selected focus point while the shutter button is pressed halfway. In focus mode **S**, the camera automatically focuses on high-contrast subjects; the areas in focus are shown in the display. The camera may be unable to focus on small objects or subjects that are moving rapidly.

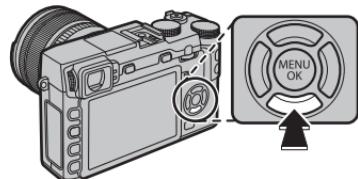
◆ AF mode options can also be accessed using the **AF AUTOFOCUS SETTING** option in the shooting menu (000).



## Focus-Point Selection

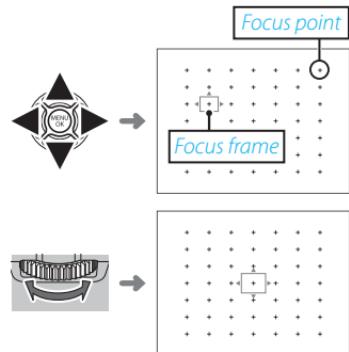
Choose a focus point for autofocus. The procedure for selecting the focus point varies with the option chosen for AF mode (000).

- Focus-area selection can also be accessed using the **AF AUTOFOCUS SETTING** option in the shooting menu (000).
- Focus-area selection can also be used to choose the focus point for manual focus and focus zoom.



### Single Point AF

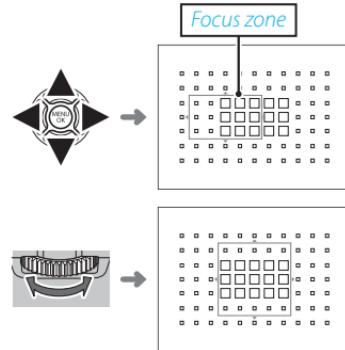
Press the function button (Fn6) to display the focus points ("+" and focus frame. Use the selector to position the focus frame over the desired focus point, or press **DISP/BACK** to return to the center point.



To choose the size of the focus frame, rotate the command dial. Rotate the dial left to reduce the frame by up to 50%, right to enlarge it by up to 150%, or press the center of the dial to restore the frame to its original size. Press **MENU/OK** to put your selection into effect.

## ■ Zone AF

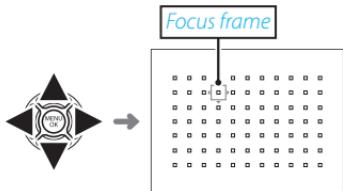
Press the function button (**Fn6**) to display the focus zone. Use the selector to position the zone or press **DISP/BACK** to return the zone to the center of the display.



To choose the number of focus frames in the zone, rotate the command dial. Rotate the dial right to cycle through zone sizes in the order  $5 \times 5$ ,  $3 \times 3$ ,  $5 \times 3$ ,  $5 \times 5 \dots$ , left to cycle through zone sizes in reverse order, or press the center of the dial to select a zone size of  $5 \times 3$ . Press  **MENU/OK** to put your selection into effect.

**■ Tracking (Focus Mode C Only)**

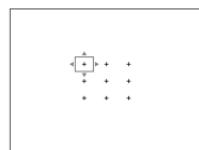
Press the function button (Fn6) to display the focus frame. Use the selector to position the focus frame, or press **DISP/BACK** to return the frame to the center of the display. Press **MENU/OK** to put your selection into effect. The camera will track focus on the subject while the shutter button is pressed halfway.



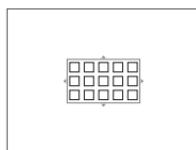
① Manual focus-frame selection is not available when wide/tracking is selected in focus mode **S**.

**Burst Mode Focus-Frame Selection**

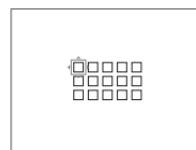
During high-speed burst photography (P), the number of focus frames available in focus mode **C** drops and the maximum zone size is restricted to  $5 \times 3$ .



*Single point*



*Zone*



*Wide/Tracking*

## Sensitivity

"Sensitivity" refers to the camera's sensitivity to light. Choose from values between 200 and 6400, or select low-gain (**L (100)**) or high-gain (**H (12800)**, **H (25600)**, or **H (51200)**) options for special situations. Higher values can be used to reduce blur when lighting is poor, while lower values allow slower shutter speeds or wider apertures in bright light; note, however, that mottling may appear in pictures taken at high sensitivities, particularly at higher gains, while choosing the low-gain option reduces dynamic range. Values of from ISO 200 to ISO 6400 are recommended in most situations. If **AUTO1**, **AUTO2**, or **AUTO3** is selected, the camera will adjust sensitivity automatically in response to shooting conditions.

- 1 Press **MENU/OK** in shooting mode to display the shooting menu. Press the selector up or down to highlight **ISO** **ISO** and press **MENU/OK**.
- 2 Press the selector up or down to highlight the desired option and press **MENU/OK** to select.

◆ Sensitivity is not reset when the camera is turned off.

◆ The low-gain option reset to ISO 200 and the high-gain options to ISO 6400 when **RAW**, **FINE+RAW**, or **NORMAL+RAW** is selected for image quality (93). For more information on the settings available with low- and high-gain options, see page 151.

**■ AUTO**

The following options are available when **AUTO1**, **AUTO2**, or **AUTO3** is selected:

Option	Default
<b>DEFAULT SENSITIVITY</b>	200
<b>MAX. SENSITIVITY</b>	800 ( <b>AUTO1</b> ) 1600 ( <b>AUTO2</b> ) 3200 ( <b>AUTO3</b> )
<b>MIN. SHUTTER SPEED</b>	1/60

The camera automatically chooses a sensitivity between the default and maximum values. Sensitivity is only raised above the default value if the shutter speed required for optimal exposure would be slower than the value selected for **MIN. SHUTTER SPEED**.

- ◆ If the value selected for **DEFAULT SENSITIVITY** is higher than that selected for **MAX. SENSITIVITY**, **DEFAULT SENSITIVITY** will be set to the value selected for **MAX. SENSITIVITY**.
- ◆ The camera may select shutter speeds slower than **MIN. SHUTTER SPEED** if pictures would still be underexposed at the value selected for **MAX. SENSITIVITY**.

## Recording Pictures in RAW Format

To record raw, unprocessed data from the camera image sensor, select a **RAW** option for image quality in the shooting menu as described below. JPEG copies of RAW images can be created using the **RAW RAW CONVERSION** option in the playback menu, or RAW images can be viewed on a computer using the **RAW FILE CONVERTER** application (000, 000).

- 1 Press **MENU/OK** in shooting mode to display the shooting menu. Press the selector up or down to highlight  **IMAGE QUALITY** and press **MENU/OK**.
- 2 Highlight an option and press **MENU/OK**. Select **RAW** to record only RAW images, or **FINE+RAW** or **NORMAL+RAW** to record both JPEG copy together with the RAW images. **FINE+RAW** uses lower JPEG compression ratios for higher-quality JPEG images, while **NORMAL+RAW** uses higher JPEG compression ratios to increase the number of images that can be stored.

### The Function Button

To toggle RAW image quality on or off for a single shot, assign **RAW** to a function button (000). If a JPEG option is currently selected for image quality, pressing the button temporarily selects the equivalent JPEG+RAW option. If a JPEG+RAW option is currently selected, pressing the button temporarily selects the equivalent JPEG option, while if **RAW** is selected, pressing the button temporarily selects **FINE**. Taking a picture or pressing the button again restores the previous setting.

◆ Low- and high-gain ISO sensitivities are not available when RAW image quality is on (75).

## **Creating JPEG Copies of RAW Pictures**

RAW pictures store information on camera settings separately from the data captured by the camera image sensor. Using the **RAW RAW CONVERSION** option in the playback menu, you can create JPEG copies of RAW pictures using different options for the settings listed below. The original image data are unaffected, allowing a single RAW image to be processed in a multitude of different ways.

**1** Press **MENU/OK** during playback to display the playback menu, then press the selector up or down to highlight **RAW RAW CONVERSION** and press **MENU/OK** to display the settings listed in the table at right.

◆ These options can also be displayed by pressing **Q** button during playback.

**2** Press the selector up or down to highlight a setting and press the selector right to select. Press the selector up or down to highlight the desired option and press **MENU/OK** to select and return to the settings list. Repeat this step to adjust additional settings.

**3** Press the **Q** button to preview the JPEG copy and press **MENU/OK** to save.



Setting	Description
<b>REFLECT SHOOTING COND.</b>	Create a JPEG copy using the settings in effect at the time the photo was taken.
<b>PUSH/PULL PROCESSING</b>	Adjust exposure by $-1\text{ EV}$ to $+3\text{ EV}$ in increments of $\frac{1}{3}\text{ EV}$ (p. 55).
<b>DYNAMIC RANGE</b>	Enhance details in highlights for natural contrast (p. 93).
<b>FILM SIMULATION</b>	Simulate the effects of different types of film (p. 59).
<b>WHITE BALANCE</b>	Adjust white balance (p. 82).
<b>WB SHIFT</b>	Fine-tune white balance (p. 82).
<b>COLOR</b>	Adjust color density (p. 94).
<b>SHARPNESS</b>	Sharpen or soften outlines (p. 94).
<b>HIGHLIGHT TONE</b>	Adjust highlights (p. 94).
<b>SHADOW TONE</b>	Adjust shadows (p. 94).
<b>NOISE REDUCTION</b>	Process the copy to reduce mottling (p. 94).
<b>LENS MODULATION OPTIMIZER</b>	Improve definition by adjusting for diffraction and the slight loss of focus at the periphery of the lens (p. 94).
<b>COLOR SPACE</b>	Choose the color space used for color reproduction (p. 111).

## Using the Self-Timer

Use the timer for self-portraits or to prevent blur caused by camera shake.

- 1 Press **MENU/OK** in shooting mode to display the shooting menu. Press the selector up or down to highlight  **SELF-TIMER** and press **MENU/OK**.
- 2 Press the selector up or down to highlight one of the following options and press **MENU/OK** to select.

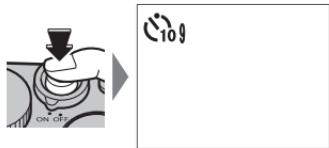
Option	Description
 <b>2 SEC</b>	The shutter is released two seconds after the shutter button is pressed. Use to reduce blur caused by the camera moving when the shutter button is pressed.
 <b>10 SEC</b>	The shutter is released ten seconds after the shutter button is pressed. Use for photographs in which you wish to appear yourself.
<b>OFF</b>	Self-timer off.

- 3 Press the shutter button halfway to focus.

- ① Stand behind the camera when using the shutter button. Standing in front of the lens can interfere with focus and exposure.

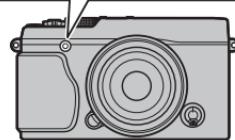
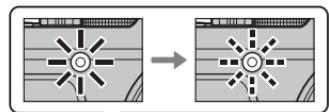
4 Press the shutter button the rest of the way down to start the timer.

The display in the monitor shows the number of seconds remaining until the shutter is released. To stop the timer before the picture is taken, press **DISP/BACK**.



The self-timer lamp on the front of the camera will blink immediately before the picture is taken. If the two-second timer is selected, the self-timer lamp will blink as the timer counts down.

◆ The self-timer turns off automatically when the camera is turned off.



## Interval Timer Photography

Follow the steps below to configure the camera to take photos automatically at a preset interval.

- 1 Press **MENU/OK** in shooting mode to display the shooting menu. Press the selector up or down to highlight  **INTERVAL TIMER SHOOTING** and press **MENU/OK**.
- 2 Use the selector to choose the interval and number of shots. Press **MENU/OK** to proceed.



- 3 Use the selector to choose the starting time and then press **MENU/OK**. Shooting will start automatically.



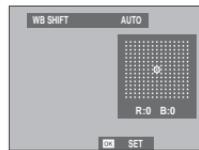
- ① Interval timer photography can not be used at a shutter speed of **B** (bulb) or during panorama or multiple exposure photography. In burst mode, only one picture will be taken each time the shutter is released.
- ◆ Use of a tripod is recommended.
- ◆ Check the battery level before starting. We recommend using an optional AC-9V AC power adapter and CP-W126 DC coupler.
- ◆ The display turns off between shots and lights a few seconds before the next shot is taken. The display can be activated at any time by pressing the shutter button all the way down.

## White Balance

For natural colors, select **WB WHITE BALANCE** in the shooting menu to display the following options, then use the selector to highlight an option that matches the light source and press **MENU/OK**. The dialog shown at bottom right will be displayed; use the selector to fine-tune white balance or press **DISP/BACK** to exit without fine-tuning.

Option	Description
<b>AUTO</b>	White balance adjusted automatically.
	Measure a value for white balance (83).
	Selecting this option displays a list of color temperatures (83); highlight a temperature and press <b>MENU/OK</b> to select the highlighted option and display the fine-tuning dialog.
	For subjects in direct sunlight.

Option	Description
	For subjects in the shade.
	Use under "daylight" fluorescent lights.
	Use under "warm white" fluorescent lights.
	Use under "cool white" fluorescent lights.
	Use under incandescent lighting.
	Reduces the blue cast typically associated with underwater lighting.



- White balance is adjusted for flash lighting only in **AUTO** and modes. Turn the flash off using other white balance options.
- Results vary with shooting conditions. Play pictures back after shooting to check colors.

 **:Custom White Balance**

Choose  to adjust white balance for unusual lighting conditions. White balance measurement options will be displayed; frame a white object so that it fills the display and press the shutter button all the way down to measure white balance (to select the most recent custom value and exit without measuring white balance, press **DISP/BACK**, or press **MENU/OK** to select the most recent value and display the fine-tuning dialog).

- If “COMPLETED!” is displayed, press **MENU/OK** to set white balance to the measured value.
- If “UNDER” is displayed, raise exposure compensation (55) and try again.
- If “OVER” is displayed, lower exposure compensation (55) and try again.

 **K: Color Temperature**

Color temperature is an objective measure of the color of a light source, expressed in Kelvin (K). Light sources with a color temperature close to that of direct sunlight appear white; light sources with a lower color temperature have a yellow or red cast, while those with a higher color temperature are tinged with blue. You can match color temperature to the light source as shown in the following table, or choose options that differ sharply from the color of the light source to make pictures “warmer” or “colder.”

◀ Choose for redder light sources  
or “colder” pictures

2,000K  
Candlelight  
Sunset/sunrise

5,000K  
Direct sunlight

Choose for bluer light sources ▶  
or “warmer” pictures

15,000K  
Blue sky  
Shade

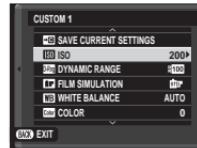
## Saving Settings

Save up to 7 sets of custom camera settings for commonly-encountered situations. Saved settings can be recalled using the **SELECT CUSTOM SETTING** option in the shooting menu.

- 1 Press **MENU/OK** in shooting mode to display the shooting menu. Press the selector up or down to highlight **SELECT CUSTOM SETTING** and press **MENU/OK**.



- 2 Highlight a custom settings bank and press **MENU/OK** to select. Adjust the following as desired and press **DISP/BACK** when adjustments are complete: **ISO**, **D-Ring DYNAMIC RANGE**, **FILM SIMULATION**, **WB WHITE BALANCE**, **Color COLOR**, **Sharp SHARPNESS**, **Highlight TONE**, **Shadow TONE**, and **NR NOISE REDUCTION**.



- 3 To replace the settings in the selected bank with the settings currently selected with the camera, select **SAVE CURRENT SETTINGS** and press **MENU/OK**.
- 4 A confirmation dialog will be displayed; highlight **OK** and press **MENU/OK**.



## Using a Mount Adapter

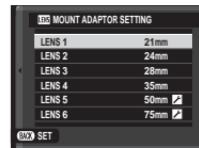
When M-mount lenses are attached using an optional **FUJIFILM M MOUNT ADAPTER**, the camera processes pictures as they are taken to maintain image quality and correct for a variety of effects.

- ◆ Attaching a mount adapter enables  **SHOOT WITHOUT LENS** (95) and hides the distance indicator in the standard display.
- ◆ Before checking focus, set the focus mode selector to **M** (68).

### Mount Adapter Settings

Pressing the function button on the mount adapter displays

#### LENS MOUNT ADAPTOR SETTING

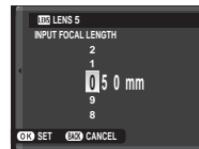


### Choosing a Focal Length

If the lens has a focal length of 21, 24, 28, or 35 mm, choose a matching option in the

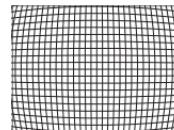
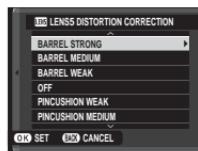
#### LENS MOUNT ADAPTOR SETTING

menu. For other lenses, select option 5 or 6 and use the selector to enter the focal length.

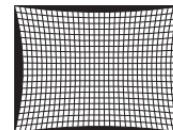


### Distortion Correction

Choose from **STRONG**, **MEDIUM**, or **WEAK** options to correct **BARREL** or **PINCUSHION** distortion.



Barrel distortion

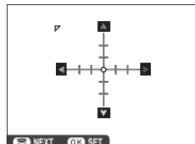


Pincushion distortion

- ◆ To determine the amount required, adjust distortion correction while taking photos of graph paper or other objects featuring repeating vertical and horizontal lines, such as the windows in a high-rise.

## ■ Color Shading Correction

Color (shading) variations between the center and edges of the frame can be adjusted separately for each corner.



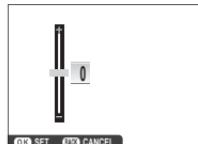
To use color shading correction, follow the steps below.

- 1 Rotate the command dial to choose a corner. The selected corner is indicated by a triangle. 
- 2 Use the selector to adjust shading until there is no visible difference in color between the selected corner and the center of the image. Press the selector left or right to adjust colors on the cyan-red axis, up or down to adjust colors on the blue-yellow axis. There are a total of 19 positions available on each axis.
  - ◆ To determine the amount required, adjust color shading correction while taking photos of blue sky or a sheet of gray paper.



## ■ Peripheral Illumination Correction

Choose from values between -5 and +5. Choosing positive values increases peripheral illumination, while choosing negative values reduces peripheral illumination. Positive values are recommended for vintage lenses, negative values to create the effect of images taken with an antique lens or a pinhole camera.



- ◆ To determine the amount required, adjust peripheral illumination correction while taking photos of blue sky or a sheet of gray paper.

## PhotoBook Assist

Create books from your favorite photos.

### Creating a PhotoBook

**1** Select **NEW BOOK** for  **PHOTOBOOK ASSIST** in the playback menu (103) and choose from the following options:

- **SELECT FROM ALL**: Choose from all available pictures.
  - **SELECT BY IMAGE SEARCH**: Choose from pictures matching selected search conditions (89).
- ◆ Neither photographs 640 or smaller nor movies can be selected for photobooks.

**2** Scroll through the images and press the selector up to select or deselect. To display the current image on the cover, press the selector down. Press **MENU/OK** to exit when the book is complete.

- ◆ The first picture selected becomes the cover image. Press the selector down to select a different image for the cover.

**3** Highlight **COMPLETE PHOTOBOOK** and press **MENU/OK** (to select all photos or all photos matching the specified search conditions for the book, choose **SELECT ALL**). The new book will be added to the list in the photo-book assist menu.

- ① Books can contain up to 300 pictures.
- ① Books that contain no photos are automatically deleted.

## **Viewing Photobooks**

Highlight a book in the photobook assist menu and press **MENU/OK** to display the book, then press the selector left or right to scroll through the pictures.

## **Editing and Deleting Photobooks**

Display the photobook and press **MENU/OK**. The following options will be displayed; select the desired option and follow the on-screen instructions.

- **EDIT:** Edit the book as described in "Creating a PhotoBook" (87).
- **ERASE:** Delete the book.

### **Photobooks**

Photobooks can be copied to a computer using MyFinePix Studio software (000).

## Image Search

Follow the steps below to search for pictures.

- 1 Press **MENU/OK** during playback to display the playback menu. Press the selector up or down to highlight  **IMAGE SEARCH** and press **MENU/OK**.
- 2 Highlight an option and press **MENU/OK**.

Option	Description
<b>BY DATE</b>	Search by date.
<b>BY FACE</b>	Search for pictures that include faces.
<b>BY ★ FAVORITES</b>	Search by rating (31).
<b>BY SCENE</b>	Search by scene.
<b>BY TYPE OF DATA</b>	Find all still pictures, all movies, or all RAW pictures.
<b>BY UPLOAD MARK</b>	Find all pictures selected for upload to a specified destination.

- 3 Select a search condition. Only pictures that match the search condition will be displayed. To delete or protect selected pictures or to view the selected pictures in a slide show, press **MENU/OK** and choose from the options at right.

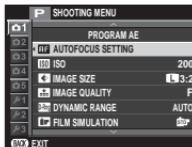
- 4 To end the search, select **EXIT SEARCH**.

Option	See page
 <b>ERASE</b>	99
 <b>PROTECT</b>	101
 <b>SLIDE SHOW</b>	102

# Menus

## Using the Menus: Shooting Mode

The shooting menu is used to adjust settings for a wide range of shooting conditions. To display the shooting menu, press **MENU/OK** in shooting mode. Highlight items and press the selector right to view options, then highlight an option and press **MENU/OK**. Press **DISP/BACK** to exit when settings are complete.



### Shooting Menu Options (Photographs)

◆ The options available vary with the shooting mode selected.

#### **ADVANCED FILTER**

Choose a filter (67).

◆ This option is only available when **ADVANCED FILTER** is selected for drive mode.

#### **SCENE POSITION**

Choose a scene for auto mode.

◆ This option is only available when auto mode has been selected by pressing a function button (by default, **Fn2/AUTO**).

#### **AF AUTOFOCUS SETTING**

Adjust autofocus settings.

Option	Description
<b>FOCUS AREA</b>	Choose the focus area (71).
<b>AF MODE</b>	Choose the AF mode for focus modes <b>S</b> and <b>C</b> (000).
<b>RELEASE/FOCUS PRIORITY</b>	Choose how the camera focuses in focus mode <b>AF-S</b> or <b>AF-C</b> . • <b>RELEASE</b> : Shutter response is prioritized over focus. Pictures can be taken when the camera is not in focus. • <b>FOCUS</b> : Focus is prioritized over shutter response. Pictures can be only taken when the camera is in focus.
<b>INSTANT AF SETTING</b>	Choose how the camera focuses when the <b>AF-L</b> button is pressed in manual focus mode (000).

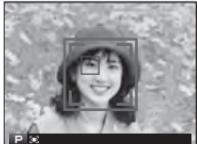
**RF AUTOFOCUS SETTING (Continued)**

Option	Description
AF+MF	<p>If <b>ON</b> is selected in focus mode <b>S</b>, focus can be adjusted manually by rotating the focus ring while the shutter button is pressed halfway. Both standard and focus peaking MF assist options are supported (92). Lenses with a focus distance indicator must be set to manual focus mode (MF) before this option can be used. Selecting MF disables the focus distance indicator. Set the focus ring to the center of the focus distance indicator, as the camera may fail to focus if the ring is set to infinity or the minimum focus distance.</p> <p> <b>AF + MF Focus Zoom</b> When <b>ON</b> is selected for <b>SCREEN SET-UP &gt; FOCUS CHECK</b> in the setup menu and <b>SINGLE POINT</b> selected for <b>AF MODE</b>, focus zoom can be used to zoom in on the selected focus area. Focus zoom is not available when <b>ZONE</b> or <b>WIDE/TRACKING</b> is selected for <b>AF MODE</b>. The zoom ratio is the same as that selected in manual focus mode (from 2.5x to 6x) and can not be changed.</p>
FACE DETECTION	<p>Intelligent Face Detection sets focus and exposure for human faces anywhere in the frame, preventing the camera from focusing on the background in group portraits. Choose for shots that emphasize portrait subjects.</p> <p>To use Intelligent Face Detection, press <b>MENU/OK</b> to display the shooting menu and select <b>ON</b> for <b>FACE DETECTION</b>. Faces can be detected with the camera in vertical or horizontal orientation; if a face is detected, it will be indicated by a green border. If there is more than one face in the frame, the camera will select the face closest to the center; other faces are indicated by white borders.</p> <p>① In some modes, the camera may set exposure for the frame as a whole rather than the portrait subject. ② If the subject moves as the shutter button is pressed, the face may not be in the area indicated by the green border when the picture is taken.</p>



**AF AUTOFOCUS SETTING (Continued)**

Option	Description
EYE DETECTION AF	<p>Choose whether the camera detects and focuses on eyes when Intelligent Face Detection is on. Choose from <b>AUTO</b> (the camera automatically chooses which eye to focus on), <b>RIGHT EYE PRIORITY</b> (the camera focuses on the right eye), <b>LEFT EYE PRIORITY</b> (the camera focuses on the left eye), and <b>OFF</b> (eye focus off).</p> <p>◆ If the camera is unable to detect the subject's eyes because they are hidden by hair, glasses, or other objects, the camera will instead focus on faces.</p>
PRE-AF	If <b>ON</b> is selected, the camera will continue to adjust focus even when the shutter button is not pressed halfway. Note that this increases the drain on the battery.
AF ILLUMINATOR	<p>If <b>ON</b> is selected, the AF-assist illuminator will light to assist autofocus.</p> <p>◆ The AF-assist illuminator turns off automatically when <b>OFF</b> is selected for <b>SOUND &amp; FLASH</b> in the setup menu.</p> <p>① The camera may be unable to focus using the AF-assist illuminator in some cases. If the camera is unable to focus in macro mode, try increasing the distance to the subject.</p> <p>① Avoid shining the AF-assist illuminator directly into your subject's eyes.</p>

**ISO**

Control the camera's sensitivity to light (75).

**IMAGE SIZE**

Choose the size and aspect ratio at which still pictures are recorded.

 **Aspect Ratio**

Pictures with an aspect ratio of 3:2 have the same proportions as a frame of 35 mm film, while an aspect ratio of 16:9 is suited to display on High Definition (HD) devices. Pictures with an aspect ratio of 1:1 are square.

Option	Prints at sizes up to	Option	Prints at sizes up to
<b>L 3:2</b>	41×28 cm (16×11 in.)	<b>S 3:2</b>	21×14 cm (8×5 in.)
<b>L 16:9</b>	41×23 cm (16×9 in.)	<b>S 16:9</b>	21×12 cm (8×4 in.)
<b>L 1:1</b>	28×28 cm (11×11 in.)	<b>S 1:1</b>	14×14 cm (5×5 in.)
<b>M 3:2</b>	29×20 cm (11×7 in.)		
<b>M 16:9</b>	29×16 cm (11×6 in.)		
<b>M 1:1</b>	20×20 cm (7×7 in.)		

**IMAGE SIZE** is not reset when the camera is turned off or another shooting mode is selected.

 **IMAGE QUALITY**

Choose a file format and compression ratio. Select **FINE** or **NORMAL** to record JPEG images, **RAW** to record RAW images, or **FINE+RAW** or **NORMAL+RAW** to record both JPEG and RAW images. **FINE** and **FINE+RAW** use lower JPEG compression ratios for higher-quality JPEG images, while **NORMAL** and **NORMAL+RAW** use higher JPEG compression ratios to increase the number of images that can be stored.

 **D-Ring DYNAMIC RANGE**

Control contrast. Choose lower values to increase contrast when shooting indoors or under overcast skies, higher values to reduce loss of detail in highlights and shadows when photographing high-contrast scenes. Higher values are recommended for scenes that include both sunlight and deep shade, for such high-contrast subjects as sunlight on water, brightly-lit autumn leaves, and portraits taken against a blue sky, and for white objects or people wearing white; note, however, that mottling may appear in pictures taken at higher values.

◆ If **AUTO** is selected, the camera will automatically choose either **100 100%** or **200 200%** according to the subject and shooting conditions. Shutter speed and aperture will be displayed when the shutter button is pressed halfway.

◆ **200 200%** is available at sensitivities of ISO 400 and above, **400 400%** at sensitivities of ISO 800 and above.

 **FILM SIMULATION**

Simulate the effects of different types of film (59).

### **SELF-TIMER**

Take pictures with the self-timer (☞ 79).

### **INTERVAL TIMER SHOOTING**

Adjust settings for interval timer photography (☞ 000).

### **WB WHITE BALANCE**

Adjust colors to match the light source (☞ 82).

### **COLOR**

Adjust color density.

### **SHARPNESS**

Sharpen or soften outlines.

### **HIGHLIGHT TONE**

Adjust the appearance of highlights.

### **SHADOW TONE**

Adjust the appearance of shadows.

### **NOISE REDUCTION**

Reduce noise in pictures taken at high sensitivities.

### **LONG EXPOSURE NR**

Select **ON** to reduce mottling in long time-exposures (☞ 53).

### **LENS MODULATION OPTIMIZER**

Select **ON** to improve definition by adjusting for diffraction and the slight loss of focus at the periphery of the lens.

---

**■ SELECT CUSTOM SETTING**

Recall settings saved with **■ EDIT/SAVE CUSTOM SETTING**.

**■ EDIT/SAVE CUSTOM SETTING**

Save settings (84).

**■ MOUNT ADAPTOR SETTING**

Adjust settings for M-mount lenses connected using an optional **FUJIFILM M MOUNT ADAPTER** (85).

**■ SHOOT WITHOUT LENS**

Choose whether shutter release is enabled when no lens is attached.

**■ MF MF ASSIST**

Choose how focus is displayed in manual focus mode (70).

- **STANDARD:** Focus is displayed normally (focus peaking and digital split image are not available).
- **DIGITAL SPLIT IMAGE:** A black-and-white split-image display.
- **FOCUS PEAK HIGHLIGHT:** The camera **heightens high-contrast outlines**. Choose a color and peaking level.

**■ AE/AF-LOCK MODE**

If **AE & AF ON WHEN PRESSING** is selected, exposure and/or focus will lock while the **AE-L** or **AF-L** button is pressed. If **AE & AF ON/OFF SWITCH** is selected, exposure and/or focus will lock when the **AE-L** or **AF-L** button is pressed and remain locked until the button is pressed again.

**■ AF-L AF-LOCK BUTTON**

Choose the role played by the **AF-L** button (56).

**■ PHOTOMETRY**

Choose how the camera meters exposure (58).

**■ INTERLOCK SPOT AE & FOCUS AREA**

Select **ON** to meter the current focus frame when **SINGLE POINT** is selected for **AUTOFOCUS SETTING > AF MODE** and **SPOT** is selected for **PHOTOMETRY**.

**FLASH SET-UP**

Adjust flash settings.

Option	Description
<b>FLASH MODE</b>	Choose a flash mode (000).
<b>FLASH COMPENSATION</b>	Adjust flash brightness. Choose from values between +2 EV and -2 EV. Note that the desired results may not be achieved depending on shooting conditions and the distance to the subject.
<b>RED EYE REMOVAL</b>	Choose <b>ON</b> to remove red-eye effects caused by the flash. ◆ Red-eye reduction is performed only when a face is detected. ◆ Red-eye removal is not available with RAW images.

**MOVIE SET-UP**

Adjust movie settings (38).

Option	Description
<b>MOVIE MODE</b>	Select a frame size and rate for movie recording. • <b>1920×1080 60 fps</b> : Full HD (60 fps) • <b>1920×1080 50 fps</b> : Full HD (50 fps) • <b>1920×1080 30 fps</b> : Full HD (30 fps) • <b>1920×1080 25 fps</b> : Full HD (25 fps) • <b>1920×1080 24 fps</b> : Full HD (24 fps) • <b>1280×720 60 fps</b> : HD (60 fps) • <b>1280×720 50 fps</b> : HD (50 fps) • <b>1280×720 30 fps</b> : HD (30 fps) • <b>1280×720 25 fps</b> : HD (25 fps) • <b>1280×720 24 fps</b> : HD (24 fps)
<b>MOVIE ISO</b>	Choose the sensitivity for movie recording from <b>AUTO</b> or from settings between ISO 400 and 6400. ◆ This setting has no effect on photographs.
<b>MIC LEVEL ADJUSTMENT</b>	Adjust the microphone recording level.
<b>MIC/REMOTE RELEASE</b>	Specify whether the device connected to the microphone/remote release connector is a microphone or a remote release (39, 54).

**FILM SIMULATION BKT**

Choose film types for film simulation bracketing (62).

 **IS MODE**

Choose from the following image stabilization options:

Option	Description
 <b>CONTINUOUS + MOTION</b>	Image stabilization on. If <b>+MOTION</b> is selected, the camera will adjust shutter speed to reduce motion blur when a moving objects are detected.
 <b>CONTINUOUS</b>	As above, except that image stabilization is performed only when the shutter button is pressed halfway or the shutter is released.
 <b>SHOOTING + MOTION</b>	As above, except that image stabilization is performed only when the shutter button is pressed halfway or the shutter is released.
 <b>SHOOTING ONLY</b>	As above, except that image stabilization is performed only when the shutter button is pressed halfway or the shutter is released.
<b>OFF</b>	Image stabilization off. Choose this option when using a tripod.

- ◆ **+MOTION** has no effect when sensitivity is set to a fixed value, and may also be unavailable at some other combinations of settings. The effect may vary with lighting conditions and the speed at which the object is moving.
- ◆ IS mode is available only when lens that supports image stabilization is attached.

 **WIRELESS COMMUNICATION**

Connect to a smartphone or tablet over a wireless network (000).

- ◆ For more information, visit <http://fujifilm-dsc.com/wifi/>.

 **APERTURE SETTING**

Choose the method used to adjust aperture when using lenses with no aperture rings.

- **AUTO + MANUAL**: Rotate the command dial to choose the aperture. Rotate past minimum aperture to choose **A** (auto).
- **AUTO**: Aperture is selected automatically; camera functions in exposure mode **P** (program AE) or **S** (shutter-priority AE).
- **MANUAL**: Rotate the command dial to choose the aperture; camera functions in exposure mode **A** (aperture-priority AE) or **M** (manual).

- ◆ Aperture can not be adjusted while the view through the camera lens is zoomed in.

**SHUTTER TYPE**

Choose the shutter type. Choose the electronic shutter to mute the shutter sound.

Option	Description
MS MECHANICAL SHUTTER	Take pictures with the mechanical shutter.
ES ELECTRONIC SHUTTER	Take pictures with the electronic shutter.
MS MECHANICAL + ES ELECTRONIC	The camera chooses the shutter type according to shooting conditions.

- ◆ If **ES ELECTRONIC SHUTTER** or **MS MECHANICAL + ES ELECTRONIC** is selected, shutter speeds faster than  $\frac{1}{4,000}$  s can be chosen by rotating the shutter speed dial to 4000 and then rotating the command dial.
- ◆ For information on the role of the command dial when the camera is used with lenses not equipped with an aperture ring, see "Lenses with No Aperture Rings" (P000).
- ◆ Regardless of the option selected, the mechanical shutter is used for motion panoramas. When the electronic shutter is used, shutter speed and sensitivity are restricted to values of  $\frac{1}{32,000}$ –1 s and ISO 6400–200 respectively, and long exposure noise reduction has no effect. In burst mode, focus and exposure are fixed at the values for the first shot in each burst.
- ① Distortion may be visible in shots of moving subjects with electronic shutter, while banding and fog may occur in shots taken under fluorescent lights or other flickering or erratic illumination. When taking pictures with the shutter muted, respect your subjects' image rights and right to privacy.

# Using the Menus: Playback Mode

To display the playback menu, press **MENU/OK** in playback mode. Highlight items and press the selector right to view options, then highlight an option and press **MENU/OK**. Press **DISP/BACK** to exit when settings are complete.



## Playback Menu Options

### WIRELESS COMMUNICATION

Connect to a smartphone or tablet over a wireless network (117).

◆ For more information, visit <http://app.fujifilm-dsc.com>.

### RAW CONVERSION

Create JPEG copies of RAW pictures (78).

### ERASE

Delete all or selected pictures.

- **FRAME:** Press the selector left or right to scroll through pictures and press **MENU/OK** to delete the current picture (a confirmation dialog is not displayed).
- **SELECTED FRAMES:** Highlight pictures and press **MENU/OK** to select or deselect. When the operation is complete, press **DISP/BACK** to display a confirmation dialog, then highlight **OK** and press **MENU/OK**.
- **ALL FRAMES:** A confirmation dialog will be displayed; highlight **OK** and press **MENU/OK** to delete all unprotected pictures.

### CROP

Create a cropped copy of the current picture.

- 1** Display the desired picture.
  - 2** Select  CROP in the playback menu.
  - 3** Use the  and  buttons to zoom in and out and press the selector up, down, left, or right to scroll the picture until the desired portion is displayed.
  - 4** Press **MENU/OK** to display a confirmation dialog.
  - 5** Press **MENU/OK** again to save the cropped copy to a separate file.
- ◆ Larger crops produce larger copies; all copies have an aspect ratio of 3:2. If the size of the final copy will be **640**, **OK** will be displayed in yellow.

### RESIZE

Create a small copy of the current picture.

- 1** Display the desired picture.
  - 2** Select  RESIZE in the playback menu.
  - 3** Highlight a size and press **MENU/OK** to display a confirmation dialog.
  - 4** Press **MENU/OK** again to save the resized copy to a separate file.
- ◆ The sizes available vary with the size of the original image.
-

**PROTECT**

Protect pictures from accidental deletion. Highlight one of the following options and press **MENU/OK**.

- **FRAME:** Protect selected pictures. Press the selector left or right to view pictures and press **MENU/OK** to select or deselect. Press **DISP/BACK** when the operation is complete.
- **SET ALL:** Protect all pictures.
- **RESET ALL:** Remove protection from all pictures.

① Protected pictures will be deleted when the memory card is formatted (113).

**IMAGE ROTATE**

Rotate pictures.

- 1 Display the desired picture.
  - 2 Select **IMAGE ROTATE** in the playback menu.
  - 3 Press the selector down to rotate the picture 90° clockwise, up to rotate it 90° counterclockwise.
  - 4 Press **MENU/OK**. The picture automatically be displayed in the selected orientation whenever it is played back on the camera.
- ◆ Protected pictures can not be rotated. Remove protection before rotating pictures.
- ◆ The camera may not be able to rotate pictures created with other devices. Pictures rotated on the camera will not be rotated when viewed on a computer or on other cameras.
- ◆ Pictures taken with **SCREEN SET-UP > AUTORotate PB** are automatically displayed in the correct orientation during playback (108).

### RED EYE REMOVAL

Remove red-eye from portraits. The camera will analyze the image; if red-eye is detected, the image will be processed to create a copy with reduced red-eye.

- 1 Display the desired picture.
- 2 Select  **RED EYE REMOVAL** in the playback menu.
- 3 Press **MENU/OK**.

- ◆ Red eye may not be removed if the camera is unable to detect a face or the face is in profile. Results may differ depending on the scene. Red eye can not be removed from pictures that have already been processed using red-eye removal or pictures created with other devices.
- ◆ The amount of time needed to process the image varies with the number of faces detected.
- ◆ Copies created with  **RED EYE REMOVAL** are indicated by a  icon during playback.
- ◆ Red eye removal can not be performed on RAW images.

### SLIDE SHOW

View pictures in an automated slide show. Choose the type of show and press **MENU/OK** to start. Press **DISP/BACK** at any time during the show to view on-screen help. The show can be ended at any time by pressing **MENU/OK**.

Option	Description
<b>NORMAL</b>	Press the selector left or right to go back or skip ahead one frame. Select <b>FADE-IN</b> for fade transitions between frames.
<b>NORMAL</b> 	As above, except that camera automatically zooms in on faces.
<b>FADE-IN</b> 	
<b>MULTIPLE</b>	Display several pictures at once.

- ◆ The camera will not turn off automatically while a slide show is in progress.

**PHOTOBOOK ASSIST**

Create books from your favorite photos (87).

**MARK FOR UPLOAD TO**

Select pictures for upload to YouTube, Facebook or MyFinePix.com using MyFinePix Studio (Windows only).

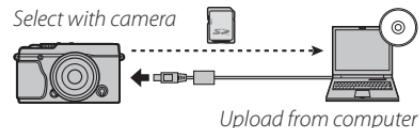
1 Select **YouTube** to choose movies for upload to YouTube, **FACEBOOK** to choose photos and movies for upload to Facebook, or **MyFinePix.com** to choose photos for upload to MyFinePix.com.

2 Press the selector left or right to display pictures and press **MENU/OK** to select or deselect. Press **DISP/BACK** to exit when all the desired pictures are selected.

- ◆ Only movies can be selected for upload to YouTube.
- ◆ Only photos can be selected for upload to MyFinePix.com.
- ◆ During playback, selected pictures are indicated by  **YouTube**,  **FACEBOOK** or  **MyFinePix.com** icons.
- ◆ Choose **RESET ALL** to deselect all pictures. If the number of pictures affected is very large, some time may be required to complete the operation. Press **DISP/BACK** to exit before the operation is complete.

 **Uploading Pictures (Windows Only)**

Selected pictures can be uploaded using the **YouTube/Facebook/ MyFinePix.com Upload** option in MyFinePix Studio. For information on installing MyFinePix Studio and connecting the camera to a computer, see "Viewing Pictures on a Computer" (118).

**IMAGE SEARCH**

Search for pictures (89).

### PC AUTO SAVE

Upload pictures to a computer over a wireless network (117).

For more information, visit <http://app.fujifilm-dsc.com>.

### PRINT ORDER (DPOF)

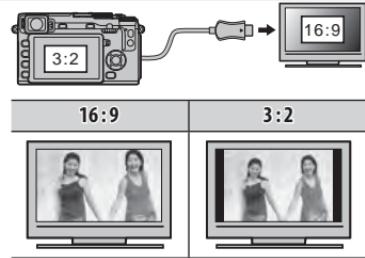
Select pictures for printing on DPOF- and PictBridge-compatible devices (123).

### instax PRINTER PRINT

Print pictures on optional FUJIFILM instax SHARE printers (000).

### DISP ASPECT

Choose how High Definition (HD) devices display pictures with an aspect ratio of 3:2 (this option is available only when an HDMI cable is connected). Select 16:9 to display the image so that it fills the screen with its top and bottom cropped out; 3:2 to display the entire image with black bands at either side.



# The Setup Menu

## Using the Setup Menu

### 1 Display the setup menu.

1.1 Press **MENU/OK** to display the menu for the current mode.



1.2 Press the selector left to highlight the tab for the current menu.

1.3 Press the selector down to highlight the setup menu tab containing the desired option.



1.4 Press the selector right to place the cursor in the setup menu.



### 2 Adjust settings.

Highlight items and press the selector right to view options, then highlight an option and press **MENU/OK**. Press **DISP/BACK** to exit when settings are complete.

## **Setup Menu Options**

### DATE/TIME

Set the camera clock (22).

### TIME DIFFERENCE

Switch the camera clock instantly from your home time zone to the local time at your destination when traveling. To specify the difference between local time and your home time zone:

**1** Highlight  LOCAL and press MENU/OK.

**2** Use the selector to choose the time difference between local time and your home time zone. Press MENU/OK when settings are complete.

To set the camera clock to local time, highlight  LOCAL and press MENU/OK. To set the clock to the time in your home time zone, select  HOME. If  LOCAL is selected,  will be displayed for three seconds when the camera is turned on.

### 言語/LANG.

Choose a language (22).

### RESET

Reset shooting or setup menu options to default values. Custom white balance, custom settings banks created using  EDIT/SAVE CUSTOM SETTING,  WIRELESS SETTINGS, and the setup menu  DATE/TIME,  TIME DIFFERENCE options are not affected.

**1** Highlight the desired option and press the selector right.

**2** A confirmation dialog will be displayed; highlight OK and press MENU/OK.

### SOUND & FLASH

Select OFF to disable the speaker, flash, and illuminator in situations in which camera sounds or lights may be unwelcome.

 appears in the display when OFF is selected.

 **SOUND SET-UP**

Adjust sound settings.

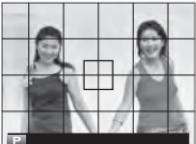
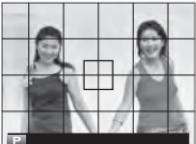
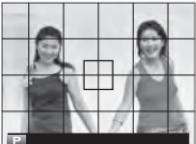
Option	Description
<b>OPERATION VOL.</b>	Adjust the volume of the sounds produced when camera controls are operated. Choose  <b>OFF</b> (mute) to disable control sounds.
<b>SHUTTER VOLUME</b>	Adjust the volume of the sounds produced when the shutter is released. Choose  <b>OFF</b> (mute) to disable the shutter sound.
<b>SHUTTER SOUND</b>	Choose the sound made by the shutter.
<b>PLAYBACK VOLUME</b>	Adjust the volume for movie playback.

 **SCREEN SET-UP**

Adjust display settings.

Option	Description	
<b>IMAGE DISP.</b>	Choose how long images are displayed after shooting. Colors may differ slightly from those in the final image and "noise" mottling may be visible at high sensitivities.	
	Option	Description
	<b>CONTINUOUS</b>	Pictures are displayed until the <b>MENU/OK</b> button is pressed or the shutter button is pressed halfway. To zoom in on the active focus point, press the center of the command dial; press again to cancel zoom.
	<b>1.5 SEC</b>	Pictures are displayed for 1.5 seconds ( <b>1.5 SEC</b> ) or 0.5 seconds ( <b>0.5 SEC</b> ) or until the shutter button is pressed halfway.
	<b>OFF</b>	Pictures are not displayed after shooting.
<b>EVF AUTORotate DISPLAYS</b>	Choose whether the indicators in the viewfinder rotate to match camera orientation (000). Regardless of the option selected, the indicators in the monitor do not rotate.	
<b>PREVIEW EXP. IN MANUAL MODE</b>	Select <b>ON</b> to enable exposure preview in manual exposure mode. Select <b>OFF</b> when using the flash or on other occasions on which exposure may change when the picture is taken.	

**SCREEN SET-UP (Continued)**

<b>EVF BRIGHTNESS</b>	Adjust the brightness of the display in the electronic viewfinder.								
<b>LCD BRIGHTNESS</b>	Adjust monitor brightness.								
<b>PREVIEW PIC. EFFECT</b>	<p>Choose <b>ON</b> to preview the effects of film simulation, white balance, and other settings in the monitor. Choose <b>OFF</b> to make shadows in low-contrast, back-lit scenes and other hard-to-see subjects more visible.</p> <p>◆ If <b>OFF</b> is selected, the effects of camera settings will not be visible in the monitor and colors and tone will differ from those in the final picture. The display will however be adjusted to show the effects of advanced filters and of monochrome and sepia settings.</p>								
Option	<b>Description</b>								
<b>FRAMING GUIDELINE</b>	<p>Choose the type of framing grid available in shooting mode.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; padding: 5px;"> <b>GRID 9</b></th><th style="text-align: center; padding: 5px;"> <b>GRID 24</b></th><th style="text-align: center; padding: 5px;"> <b>HD HD FRAMING</b></th></tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 10px;">  </td><td style="text-align: center; padding: 10px;">  </td><td style="text-align: center; padding: 10px;">  </td></tr> </tbody> </table> <p><i>For "rule of thirds" composition.</i></p> <p><i>A six-by-four grid.</i></p> <p><i>Frame HD pictures in the crop shown by the lines at the top and bottom of the display.</i></p>			<b>GRID 9</b>	<b>GRID 24</b>	<b>HD HD FRAMING</b>			
<b>GRID 9</b>	<b>GRID 24</b>	<b>HD HD FRAMING</b>							
									
<b>AUTORotate PB</b>	Choose <b>ON</b> to automatically rotate "tall" (portrait-orientation) pictures during playback.								
<b>FOCUS CHECK</b>	If <b>ON</b> is selected, the camera will automatically zoom in on the view through the lens when the focus ring is rotated in manual focus mode (2070).								
<b>FOCUS SCALE UNITS</b>	Choose the units used for the focus distance indicator (2068).								
<b>DISP. CUSTOM SETTING</b>	Choose items for the standard display (2000).								

**.BUTTON/DIAL SETTING**

Choose the roles played by camera controls.

Option	Description	
<b>FUNCTION (Fn) SETTING</b>	Choose the roles played by the function buttons (000).	
	Choose the roles played by the up, down, left, and right buttons on the selector.	
SELECTOR BUTTON SETTING	Option	Description
	<b>Fn BUTTON</b>	The selector buttons serve as function buttons.
	<b>FOCUS AREA</b>	The selector buttons can be used to position the focus area.
<b>EDIT/SAVE QUICK MENU</b>	Choose the options displayed in the quick menu (000).	
<b>COMMAND DIAL SETTING</b>	Choose whether the command dial controls shutter speed ( <b>S.S</b> , the default option) or aperture ( <b>F</b> ). ◆ This option only takes effect with lenses that are not equipped with an aperture ring.	
<b>AE-L/AF-L BUTTON SETTING</b>	Switch the roles of the <b>AF-L</b> and <b>AE-L</b> buttons.	

**FOCUS RING**

Choose the direction in which the focus ring is rotated to increase the focus distance.

**POWER MANAGEMENT**

Adjust power management settings.

Option	Description
<b>AUTO POWER OFF</b>	Choose the length of time before the camera turns off automatically when no operations are performed. Shorter times increase battery life; if <b>OFF</b> is selected, the camera must be turned off manually. Note that in some situations the camera turns off automatically even when <b>OFF</b> is selected.
<b>HIGH PERFORMANCE</b>	Select <b>ON</b> for faster focus and to reduce the time needed to restart the camera after it has been turned off.

**SENSOR CLEANING**

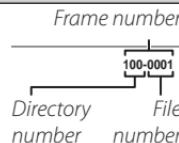
Remove dust from the camera image sensor.

- **OK**: Clean sensor immediately (111 xi).
- **WHEN SWITCHED ON**: If this option is selected, sensor cleaning will be performed when the camera turns on.
- **WHEN SWITCHED OFF**: If this option is selected, sensor cleaning will be performed when the camera turns off (sensor cleaning is not however performed if the camera turns off in playback mode).
- ◆ Dust that can not be removed using sensor cleaning can be removed manually (111 134).

**SAVE DATA SET-UP**

Adjust file management settings.

Option	Description																						
	<p>New pictures are stored in image files named using a four-digit file number assigned by adding one to the last file number used. The file number is displayed during playback as shown at right. <b>FRAME NO.</b> controls whether file numbering is reset to 0001 when a new memory card is inserted or the current memory card is formatted.</p>																						
<b>FRAME NO.</b>	<table border="1"> <thead> <tr> <th>Option</th><th colspan="2">Description</th></tr> </thead> <tbody> <tr> <td><b>CONTINUOUS</b></td><td colspan="2">Numbering continues from the last file number used or the first available file number, whichever is higher. Choose this option to reduce the number of pictures with duplicate file names.</td></tr> <tr> <td><b>RENEW</b></td><td colspan="2">Numbering is reset to 0001 after formatting or when a new memory card is inserted.</td></tr> <tr> <td></td><td colspan="2"> <ul style="list-style-type: none"> <li>◆ If the frame number reaches 999-9999, the shutter release will be disabled (111 141).</li> <li>◆ Selecting <b>RESET</b> (111 112) sets <b>FRAME NO.</b> to <b>CONTINUOUS</b> but does not reset the file number.</li> <li>◆ Frame numbers for pictures taken with other cameras may differ.</li> </ul> </td></tr> <tr> <td><b>SAVE ORG IMAGE</b></td><td colspan="3">Choose <b>ON</b> to save unprocessed copies of pictures taken using <b>RED EYE REMOVAL</b>.</td></tr> <tr> <td><b>EDIT FILE NAME</b></td><td colspan="3">Change the file name prefix. sRGB images use a four-letter prefix (default "DSCF"), Adobe RGB images a three-letter prefix ("DSF") preceded by an underscore.</td></tr> </tbody> </table>			Option	Description		<b>CONTINUOUS</b>	Numbering continues from the last file number used or the first available file number, whichever is higher. Choose this option to reduce the number of pictures with duplicate file names.		<b>RENEW</b>	Numbering is reset to 0001 after formatting or when a new memory card is inserted.			<ul style="list-style-type: none"> <li>◆ If the frame number reaches 999-9999, the shutter release will be disabled (111 141).</li> <li>◆ Selecting <b>RESET</b> (111 112) sets <b>FRAME NO.</b> to <b>CONTINUOUS</b> but does not reset the file number.</li> <li>◆ Frame numbers for pictures taken with other cameras may differ.</li> </ul>		<b>SAVE ORG IMAGE</b>	Choose <b>ON</b> to save unprocessed copies of pictures taken using <b>RED EYE REMOVAL</b> .			<b>EDIT FILE NAME</b>	Change the file name prefix. sRGB images use a four-letter prefix (default "DSCF"), Adobe RGB images a three-letter prefix ("DSF") preceded by an underscore.		
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**COLOR SPACE**

Choose the gamut of colors available for color reproduction.

Option	Description
sRGB	Recommended in most situations.
Adobe RGB	For commercial printing.

**EVF/LCD SETTING**

Choose a display (24).

 CONNECTION SETTING

Adjust settings for connection to wireless devices, including smartphones, computers, and FUJIFILM instax SHARE printers.

Option	Description	
WIRELESS SETTINGS	Adjust settings for connection to wireless networks.	
	Option	Description
	GENERAL SETTINGS	Choose a name ( <b>NAME</b> ) to identify the camera on the wireless network (the camera is assigned a unique name by default) or select <b>RESET WIRELESS SETTINGS</b> to restore default settings.
	RESIZE IMAGE FOR SMARTPHONE 	Choose <b>ON</b> (the default setting, recommended in most circumstances) to resize larger images to  for upload to smartphones, <b>OFF</b> to upload images at their original size. Resizing applies only to the copy uploaded to the smartphone; the original is not affected.
PC AUTO SAVE SETTING	PC AUTO SAVE SETTINGS	Choose <b>DELETE REGISTERED DESTINATION PC</b> to remove selected destinations, <b>DETAILS OF PREVIOUS CONNECTION</b> to view computers to which the camera has recently connected.
	PC AUTO SAVE SETTING	Choose an upload destination. Choose <b>SIMPLE SETUP</b> to connect using WPS, <b>MANUAL SETUP</b> to configure network settings manually.
GEOTAGGING SET-UP	View location data downloaded from a smartphone and choose whether to save the data with your pictures.	
	Option	Description
	GEOTAGGING	Choose whether location data downloaded from a smartphone are embedded in pictures as they are taken.
instax PRINTER CONNECTION SETTING	LOCATION INFO	Display the location data last downloaded from a smartphone.
	Adjust settings for connection to optional FUJIFILM instax SHARE printers (113).	

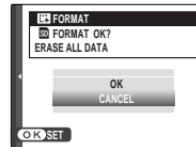
For more information on wireless connections, visit <http://fujifilm-dsc.com/wifi/>

**FORMAT**

To format the memory card:

- 1 Highlight **FORMAT** in the setup menu and press **MENU/OK**.
- 2 A confirmation dialog will be displayed. To format the memory card, highlight **OK** and press **MENU/OK**.  
To exit without formatting the memory card, select **CANCEL** or press **DISP/BACK**.

- ① All data—including protected pictures—will be deleted from the memory card. Be sure important files have been copied to a computer or other storage device.
- ② Do not open the battery-chamber cover during formatting.



## Factory Defaults

The factory default settings for the options in the shooting and setup menus are listed below. These settings can be restored using the  **RESET** option in the setup menu (106).

### ■ Shooting Menu

Menu	Default
 <b>ADVANCED FILTER</b>	 <b>TOY CAMERA</b>
 <b>SCENE POSITION</b>	 <b>SR+ ADVANCED SR AUTO</b>
<b>AF AUTOFOCUS SETTING</b>	
AF MODE	 <b>ZONE</b>
RELEASE/FOCUS PRIORITY	<ul style="list-style-type: none"><li> <b>AF-S PRIORITY SELECTION: RELEASE</b></li><li> <b>AF-C PRIORITY SELECTION: RELEASE</b></li></ul>
INSTANT AF SETTING	 <b>AF-S</b>
AF+MF	 <b>OFF</b>
FACE DETECTION	 <b>OFF</b>
EYE DETECTION AF	 <b>AUTO</b>
PRE-AF	 <b>OFF</b>
AF ILLUMINATOR	 <b>ON</b>
<b>ISO ISO</b>	<b>200</b>
 <b>IMAGE SIZE</b>	 <b>3:2</b>

Menu	Default
 <b>IMAGE QUALITY</b>	<b>FINE</b>
 <b>DYNAMIC RANGE</b>	 <b>100 100%</b>
 <b>FILM SIMULATION</b>	 <b>STD PROVIA/STANDARD</b>
 <b>SELF-TIMER</b>	<b>OFF</b>
 <b>WHITE BALANCE</b>	<b>AUTO</b>
 <b>COLOR</b>	<b>(0) MID</b>
 <b>SHARPNESS</b>	<b>(0) STANDARD</b>
 <b>HIGHLIGHT TONE</b>	<b>(0) STANDARD</b>
 <b>SHADOW TONE</b>	<b>(0) STANDARD</b>
 <b>NR NOISE REDUCTION</b>	<b>(0) STANDARD</b>
 <b>LONG EXPOSURE NR</b>	<b>ON</b>
 <b>LENS MODULATION OPTIMIZER</b>	<b>ON</b>

Menu	Default
LENS MOUNT ADAPTOR SETTING	LENS 5 (50mm)
SHOOT WITHOUT LENS	OFF
MF ASSIST	STANDARD
AE/AF-LOCK MODE	AE&AF ON WHEN PRESSING
AF-L AF-LOCK MODE	AF LOCK ONLY
PHOTOMETRY	MULTI
INTERLOCK SPOT AE & FOCUS AREA	ON
FLASH SET-UP	
FLASH MODE	AUTO
FLASH COMPENSATION	±0
RED EYE REMOVAL	OFF

Menu	Default
MOVIE SET-UP	
MOVIE MODE	1920×1080 60 fps
MOVIE ISO	AUTO
MIC LEVEL ADJUSTMENT	3
MIC/REMOTE RELEASE	MIC
FILM SIMULATION BKT	
FILM 1	PROVIA/STANDARD
FILM 2	Velvia/VIVID
FILM 3	ASTIA/SOFT
APERTURE SETTING	AUTO +  MANUAL
SHUTTER TYPE	MECHANICAL SHUTTER

## ■ Setup Menu

Menu	Default
SOUND & FLASH	ON
SOUND SET-UP	
OPERATION VOL.	
SHUTTER VOLUME	
SHUTTER SOUND	SOUND 1
PLAYBACK VOLUME	7
SCREEN SET-UP	
IMAGE DISP.	OFF
EVF AUTORotate DISPLAYS	ON
PREVIEW EXP. IN MANUAL	ON
MODE	
EVF BRIGHTNESS	0
LCD BRIGHTNESS	0
PREVIEW PIC. EFFECT	ON
FRAMING GUIDELINE	GRID 9
AUTORotate PB	ON
FOCUS CHECK	OFF
FOCUS SCALE UNITS	METERS
DISP. CUSTOM SETTING	<ul style="list-style-type: none"> <li>• FRAMING GUIDELINE: <input type="checkbox"/></li> <li>• ELECTRONIC LEVEL: <input type="checkbox"/></li> <li>• AF DISTANCE INDICATOR: <input type="checkbox"/></li> <li>• HISTOGRAM: <input type="checkbox"/></li> <li>• All other options: <input checked="" type="checkbox"/></li> </ul>

Menu	Default
BUTTON/DIAL SETTING	
FUNCTION (Fn) SETTING	See page 000.
SELECTOR BUTTON SETTING	
EDIT/SAVE QUICK MENU	See page 000.
AE-L/AF-L BUTTON SETTING	AE-L/AF-L
FOCUS RING	CW
POWER MANAGEMENT	
AUTO POWER OFF	2 MIN
HIGH PERFORMANCE	OFF
SENSOR CLEANING	
WHEN SWITCHED ON	OFF
WHEN SWITCHED OFF	ON
SAVE DATA SET-UP	
FRAME NO.	CONTINUOUS
SAVE ORG IMAGE	OFF
COLOR SPACE	sRGB
EVF/LCD SETTING	EYE SENSOR
CONNECTION SETTING	
WIRELESS SETTINGS	
GEOTAGGING SET-UP	<ul style="list-style-type: none"> <li>• RESIZE IMAGE FOR SMARTPHONE : ON</li> <li>• GEOTAGGING: ON</li> <li>• LOCATION INFO: ON</li> </ul>

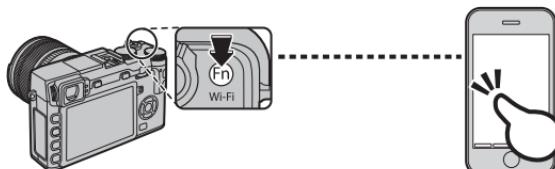
# Connections

## Wireless Transfer

Access wireless networks and connect to computers, smartphones, or tablets. For downloads and other information, visit <http://app.fujifilm-dsc.com/>.

### Wireless Connections: Smartphones

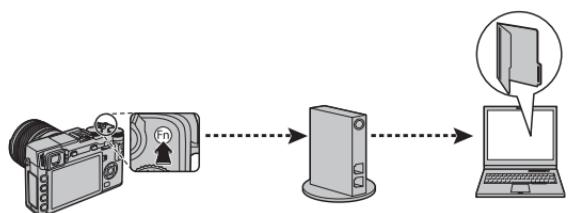
Install the “FUJIFILM Camera Remote” app on your smartphone to browse the images on the camera, download selected images, control the camera remotely, or copy location data to the camera. To connect to the smartphone, press the camera function button (**Fn7/Wi-Fi**).



- ◆ You can also connect using the  **WIRELESS COMMUNICATION** options in the camera shooting and playback menu.

### Wireless Connections: Computers

Once you have installed the “FUJIFILM PC AutoSave” application and configured your computer as a destination for the images copied from the camera, you can upload pictures from the camera using the  **PC AUTO SAVE** option in the camera playback menu or by pressing and holding the function button (**Fn7/Wi-Fi**) in playback mode.



## **Viewing Pictures on a Computer**

---

Read this section for information on copying pictures to a computer.

### **Windows**

Use MyFinePix Studio to copy pictures to your computer, where they can be stored, viewed, organized, and printed. MyFinePix Studio is available for download from the following website:

<http://fujifilm-dsc.com/mfs/>

Once download is complete, double-click the downloaded file ("MFPS\_Setup.EXE") and follow the on-screen instructions to complete installation. Proceed to "Connecting the Camera" (☞ 000) when installation is complete.

### **Macintosh**

Pictures can be copied to your computer using Image Capture (supplied with your computer) or other software. Proceed to "Connecting the Camera" (☞ 000).



### **Viewing RAW Files**

To view RAW files on your computer, use the RAW FILE CONVERTER, available for download from:

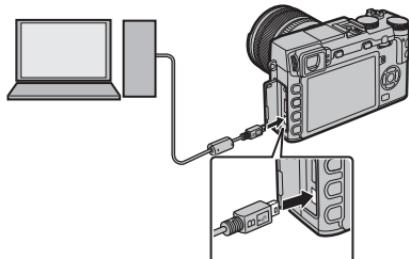
<http://fujifilm-dsc.com/rfc/>

## Connecting the Camera

1 Find a memory card containing pictures you want to copy to the computer and insert the card into the camera (17).

- ◆ Windows users may require the Windows CD when starting the software for the first time.
- ① Loss of power during transfer could result in loss of data or damage to the memory card. Insert a fresh or fully-charged battery before connecting the camera.

2 Turn the camera off and connect a USB cable as shown, making sure the connectors are fully inserted. Connect the camera directly to the computer; do not use a USB hub or keyboard.



- ① The USB cable must be no more than 60 cm (1.9 ft.) long and be suitable for data transfer.

3 Turn the camera on.

4 Copy pictures to the computer using MyFinePix Studio or applications provided with your operating system.

For more information on using the software, start the application and select the appropriate option from the **Help** menu.

- ① If a memory card containing a large number of images is inserted, there may be a delay before the software starts and you may be unable to import or save images. Use a memory card reader to transfer pictures.
- ① Make sure that the computer does not display a message stating that copying is in progress and that the indicator lamp is out before turning the camera off or disconnecting the USB cable (if the number of images copied is very large, the indicator lamp may remain lit after the message has cleared from the computer display). Failure to observe this precaution could result in loss of data or damage to the memory card.
- ① Disconnect the camera before inserting or removing memory cards.
- ① [In some cases, it may not be possible to access pictures saved to a network server using the software in the same way as on a standalone computer.](#)
- ① The user bears all applicable fees charged by the phone company or Internet service provider when using services that require an Internet connection.

 **Disconnecting the Camera**

After confirming that the indicator lamp is out, turn the camera off and disconnect the USB cable.

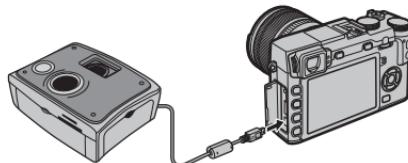
## Printing Pictures via USB

If the printer supports PictBridge, the camera can be connected directly to the printer and pictures can be printed without first being copied to a computer. Note that depending on the printer, not all the functions described below may be supported.



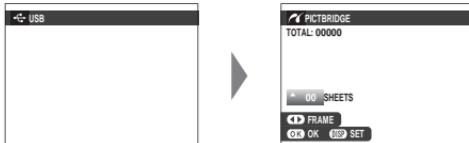
### Connecting the Camera

- 1 Connect a USB cable as shown and turn the printer on.



① The USB cable must be no more than 60cm (1.9ft.) long and be suitable for data transfer.

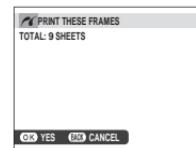
- 2 Turn the camera on. USB will be displayed in the monitor, followed by the PictBridge display shown below at right.



- ◆ Pictures can be printed from memory cards that has been formatted in the camera.
- ◆ Page size, print quality, and border selections are made using the printer.

### Printing Selected Pictures

- 1 Press the selector left or right to display a picture you wish to print.  
◆ To print one copy of the current picture, proceed directly to Step 3.
- 2 Press the selector up or down to choose the number of copies (up to 99). Repeat steps 1–2 to select additional pictures.
- 3 Press **MENU/OK** to display a confirmation dialog.



- 4 Press **MENU/OK** to start printing.



### • Printing the Date of Recording

To print the date of recording on pictures, press **DISP/BACK** in the PictBridge display and select **PRINT WITH DATE** (to print pictures without the date of recording, select **PRINT WITHOUT DATE**). To ensure that the date is correct, set the camera clock before taking pictures. Some printers do not support date printing. See the printer manual for details.

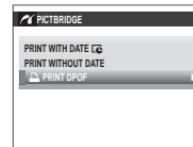
### Printing the DPOF Print Order

To print the print order created with **PRINT ORDER (DPOF)** in the playback menu (104):

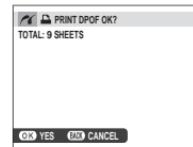
1 In the PictBridge display, press **DISP/BACK** to open the PictBridge menu.



2 Press the selector up or down to highlight **PRINT DPOF**.



3 Press **MENU/OK** to display a confirmation dialog.



4 Press **MENU/OK** to start printing.



### During Printing

The message shown at right is displayed during printing. Press **DISP/BACK** to cancel before all pictures are printed (depending on the printer, printing may end before the current picture has printed).



If printing is interrupted, turn the camera off and then on again.

### Disconnecting the Camera

Confirm that the above message is not displayed and turn the camera off. Disconnect the USB cable.

### Creating a DPOF Print Order

The **PRINT ORDER (DPOF)** option in the playback menu can be used to create a digital "print order" for PictBridge-compatible printers or devices that support DPOF.

#### DPOF

DPOF (Digital Print Order Format) is standard that allows pictures to be printed from "print orders" stored on the memory card. The information in the order includes the pictures to be printed and the number of copies of each picture.



## ■ WITH DATE /WITHOUT DATE

To modify the DPOF print order, select  **PRINT ORDER (DPOF)** in the playback menu and press the selector up or down to highlight **WITH DATE**  or **WITHOUT DATE**.



**WITH DATE** : Print date of recording on pictures.

**WITHOUT DATE**: Print pictures without date.

Press **MENU/OK** and follow the steps below.

**1** Press the selector left or right to display a picture you wish to include in or remove from the print order.



**2** Press the selector up or down to choose the number of copies (up to 99). To remove a picture from the order, press the selector down until the number of copies is 0.



**3** Repeat steps 1–2 to complete the print order. Press **MENU/OK** to save the print order when settings are complete, or **DISP/BACK** to exit without changing the print order.



**4** The total number of prints is displayed in the monitor. Press **MENU/OK** to exit.



The pictures in the current print order are indicated by a  icon during playback.



## ■ RESET ALL

To cancel the current print order, select **RESET ALL** for **PRINT ORDER (DPOF)**. The confirmation shown at right will be displayed; press **MENU/OK** to remove all pictures from the order.



- ◆ Print orders can contain a maximum of 999 pictures.
- ◆ If a memory card is inserted containing a print order created by another camera, the message shown at right will be displayed. Pressing **MENU/OK** cancels the print order; a new print order must be created as described above.



## instax SHARE Printers

Print pictures from your digital camera to instax SHARE printers.

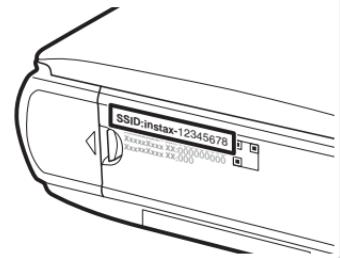
### **Establishing a Connection**

Select  **CONNECTION SETTING** > **instax PRINTER CONNECTION SETTING** in the camera setup menu and enter the instax SHARE printer name (SSID) and password.



#### **The Printer Name (SSID) and Password**

The printer name (SSID) can be found on the bottom of the printer; the default password is "1111". If you have already chosen a different password to print from a smartphone, enter that password instead.



## Printing Pictures

1 Turn the printer on.



2 Select instax PRINTER PRINT in the camera playback menu. The camera will connect to the printer.



◆ To print a frame from a burst sequence, display the frame before selecting instax PRINTER PRINT.

3 Use the selector to display the picture you want to print, then press MENU/OK.



- ◆ Pictures taken with other cameras can not be printed.
- ◆ The area printed is smaller than the area visible in the LCD monitor.

4 The picture will be sent to the printer and printing will start.

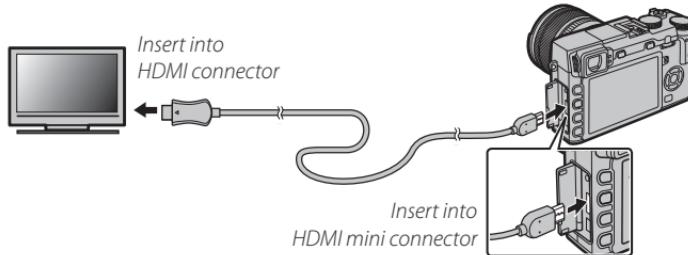


## Viewing Pictures on TV

To show pictures to a group, connect the camera to a TV using an HDMI cable (available separately from third-party suppliers; note that the TV can only be used for playback, not shooting).

**1** Turn the camera off.

**2** Connect the cable as shown below.



① Use an HDMI cable no more than 1.5 m (4.9 ft.) long.

◆ Be sure the connectors are fully inserted.

**3** Tune the television to the HDMI input channel. See the documentation supplied with the television for details.

**4** Turn the camera on and press **■** button. The camera monitor turns off and pictures and movies are played back on the TV. Note that the camera volume controls have no effect on sounds played on the TV; use the television volume controls to adjust the volume.

◆ The USB cable can not be used while an HDMI cable is connected.

◆ Some televisions may briefly display a black screen when movie playback begins.

## Optional Accessories

The camera supports a wide range of accessories from FUJIFILM and other manufacturers.

### Accessories from FUJIFILM

The following optional accessories are available from FUJIFILM. For the latest information on the accessories available in your region, check with your local FUJIFILM representative or visit [http://www.fujifilm.com/products/digital\\_cameras/index.html](http://www.fujifilm.com/products/digital_cameras/index.html).

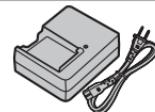
#### **Rechargeable Li-ion batteries**

**NP-W126:** Additional large-capacity NP-W126 rechargeable batteries can be purchased as required.



#### **Battery chargers**

**BC-W126:** Replacement battery chargers can be purchased as required. At +20°C/+68°F, the BC-W126 charges an NP-W126 in about 150 minutes.



#### **AC power adapters**

**AC-9V** (requires CP-W126 DC coupler): Use for extended shooting and playback or when copying pictures to a computer.

#### **DC couplers**

**CP-W126:** Connect the AC-9V to the camera.

### Remote releases

**RR-90:** Use to reduce camera shake or keep the shutter open during a time exposure.



### Stereo microphones

**MIC-ST1:** An external microphone for movie recording.



### FUJINON Lenses

**XF-series lenses:** Interchangeable lenses for use exclusively with the FUJIFILM X-mount.



**XC-series lenses:** Interchangeable lenses for use exclusively with the FUJIFILM X-mount.



### Shoe-mounted flash units

**EF-20:** This clip-on flash unit (powered by two AA batteries) has a Guide Number of 20/65 (ISO 100, m/ft.) and supports TTL flash control. The flash head can be rotated upwards 90° for bounce lighting.



**EF-42:** This clip-on flash unit (powered by four AA batteries) has a Guide Number of 42/137 (ISO 100, m/ft.) and supports TTL flash control and auto power zoom in the range 24–105 mm (35 mm format equivalent). The flash head can be rotated 90° up, 180° left, or 120° right for bounce lighting.



**EF-X20:** This clip-on flash unit has a Guide Number of 20/65 (ISO 100, m/ft.).



**Grips**

**HG-XE1:** Features an improved grip.

**Leather cases**

**BLC-XE1:** This case combines practicality with the luxury of leather and comes with a shoulder strap made of the same material, as well as a cloth that can be used to wrap the camera before putting it in the case and on other occasions. Pictures can be taken and batteries and memory cards inserted or removed with the camera still in its case.

**Macro extension tubes**

**MCEX-11/16:** Attach between the camera and the lens to shoot at high reproduction ratios.

**Protector Filters**

**PRF-39/PRF-43/PRF-49S/PRF-52/PRF-58/PRF-62/PRF-67/PRF-72/PRF-73:** Use to protect the lens.

**Teleconverters**

**XF1.4X TC WR:** Increases the focal length of the compatible lenses by about 1.4x.

**Mount Adapters**

**FUJIFILM M MOUNT ADAPTER:** Allows the camera to be used with a wide selection of M-mount lenses.

**Front lens caps**

**FLCP-39/FLCP-43/FLCP-52/FLCP-52/FLCP-58/FLCP-62/FLCP-67/FLCP-72/FLCP-72 II/FLCP-77:** Protect the front lens element when the lens is not in use.

**Rear lens caps**

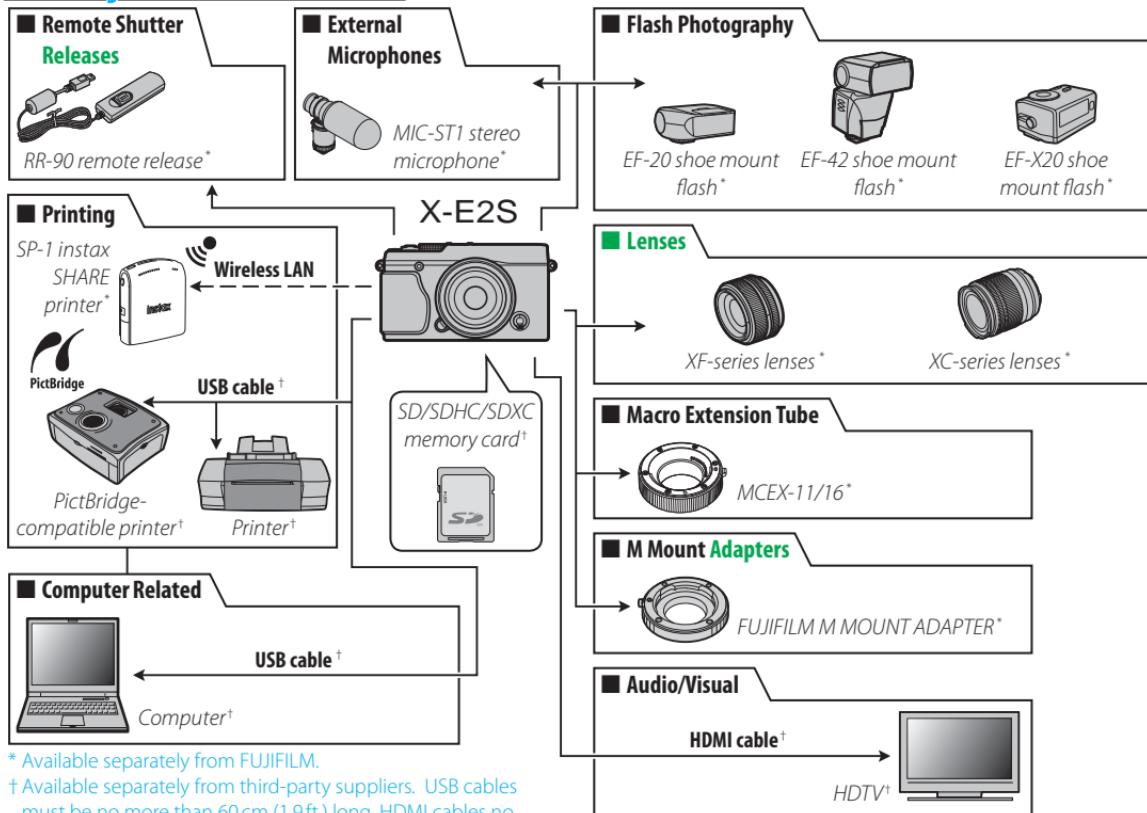
**RLCP-001:** Protect the rear lens element when the lens is not attached to the camera.

**Body caps**

**BCP-001:** Cover the camera lens mount when no lens is attached.

**instax SHARE printers**

**SP-1:** Connect via wireless LAN to print pictures on instax film.

**Connecting the Camera to Other Devices**

\* Available separately from FUJIFILM.

† Available separately from third-party suppliers. USB cables must be no more than 60 cm (1.9 ft.) long, HDMI cables no more than 1.5 m (4.9 ft.) long.

## Caring for the Camera

To ensure continued enjoyment of the product, observe the following precautions.

### **Storage and Use**

If the camera will not be used for an extended period, remove the battery and memory card. Do not store or use the camera in locations that are:

- exposed to rain, steam, or smoke
- very humid or extremely dusty
- exposed to direct sunlight or very high temperatures, such as in a closed vehicle on a sunny day
- extremely cold
- subject to strong vibration
- exposed to strong magnetic fields, such as near a broadcasting antenna, power line, radar emitter, motor, transformer, or magnet
- in contact with volatile chemicals such as pesticides
- next to rubber or vinyl products

### **■ Water and Sand**

Exposure to water and sand can also damage the camera and its internal circuitry and mechanisms. When using the camera at the beach or seaside, avoid exposing the camera to water or sand. Do not place the camera on a wet surface.

### **■ Condensation**

Sudden increases in temperature, such as occur when entering a heated building on a cold day, can cause condensation inside the camera. If this occurs, turn the camera off and wait an hour before turning it on again. If condensation forms on the memory card, remove the card and wait for the condensation to dissipate.

### **Traveling**

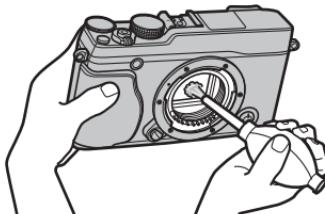
Keep the camera in your carry-on baggage. Checked baggage may suffer violent shocks that could damage the camera.

## Cleaning the Image Sensor

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Multiple photographs marred by spots or blotches in identical locations may indicate the presence of dust on the camera image sensor. Clean the sensor using the **SENSOR CLEANING** option in the setup menu (110); if the problem persists, you can clean the sensor manually as described below. Note that there will be a charge to repair or replace the image sensor if it is damaged during cleaning.

- 1 Use a blower (not a brush) to remove dust from the sensor.



- ① Do not use a brush or blower brush. Failure to observe this precaution could damage the sensor.
- 2 Check whether the dust has been successfully removed.
  - ◆ Repeat Steps 1 and 2 as necessary.
- 3 Replace the body cap or lens.

# Troubleshooting

## Problems and Solutions

### ■ Power and Battery

Problem	Solution
The camera does not turn on.	<ul style="list-style-type: none"><li><b>The battery is exhausted:</b> Charge the battery (16) or insert a fully-charged spare battery (17).</li><li><b>The battery is inserted incorrectly:</b> Reinsert in the correct orientation (17).</li><li><b>The battery-chamber cover is not latched:</b> Latch the battery-chamber cover (18).</li></ul>
The monitor does not turn on.	The monitor may not turn on if the camera is turned off and then on again very quickly. Press the shutter button halfway to activate the monitor.
The battery runs down quickly.	<ul style="list-style-type: none"><li><b>The battery is cold:</b> Warm the battery by placing it in a pocket or other warm place and reinsert it in the camera immediately before taking a picture.</li><li><b>There is dirt on the battery terminals:</b> Clean the terminals with a soft, dry cloth.</li><li><b>ON is selected for  AUTOFOCUS SETTING &gt; PRE-AF:</b> Turn PRE-AF off (000).</li><li><b> is selected for shooting mode:</b> Select a different mode (000, 000).</li><li><b>The battery has been charged many times:</b> The battery has reached the end of its charging life. Purchase a new battery.</li></ul>
The camera turns off suddenly.	<b>The battery is exhausted:</b> Charge the battery (16) or insert a fully-charged spare battery (17).
Charging does not start.	Reinsert the battery in the correct orientation and make sure that the charger is plugged in (16).
Charging is slow.	Charge the battery at room temperature (v).
The charging lamp blinks, but the battery does not charge.	<ul style="list-style-type: none"><li><b>There is dirt on the battery terminals:</b> Clean the terminals with a soft, dry cloth.</li><li><b>The battery has been charged many times:</b> The battery has reached the end of its charging life. Purchase a new battery. If the battery still fails to charge, contact your FUJIFILM dealer.</li></ul>

### ■ Menus and Displays

Problem	Solution
Display is not in English.	Select ENGLISH for  言語/LANG. (106).

## ■ Shooting

Problem	Solution
<b>No picture is taken when the shutter button is pressed.</b>	<ul style="list-style-type: none"> <li><b>The memory card is full:</b> Insert a new memory card or delete pictures (17, 35).</li> <li><b>The memory card is not formatted:</b> Format the memory card (113).</li> <li><b>There is dirt on the memory card contacts:</b> Clean the contacts with a soft, dry cloth.</li> <li><b>The memory card is damaged:</b> Insert a new memory card (17).</li> <li><b>The battery is exhausted:</b> Charge the battery (16) or insert a fully-charged spare battery (17).</li> <li><b>The camera has turned off automatically:</b> Turn the camera on (21).</li> <li><b>The indicator lamp was orange when you attempted to record a panorama:</b> Wait until the indicator lamps turns off (4).</li> </ul>
<b>Mottling ("noise") appears in the monitor or view-finder when the shutter button is pressed halfway.</b>	<p>Gain is increased to aid composition when the subject is poorly lit and aperture is stopped down, which may result in noticeable mottling when images are previewed in the displays. Images taken with the camera are unaffected.</p>
<b>The camera does not focus.</b>	<b>The subject is not suited to autofocus:</b> Use focus lock (56) or manual focus (68).
<b>Intelligent Face Detection is not available.</b>	<b>Intelligent Face Detection is not available in the current shooting mode:</b> Choose a different shooting mode (151).
<b>No face is detected.</b>	<ul style="list-style-type: none"> <li><b>The subject's face is obscured by sunglasses, a hat, long hair, or other objects:</b> Remove the obstructions.</li> <li><b>The subject's face occupies only a small area of the frame:</b> Change the composition so that the subject's face occupies a larger area of the frame (56).</li> <li><b>The subject's head is tilted or horizontal:</b> Ask the subject to hold their head straight.</li> <li><b>The camera is tilted:</b> Keep the camera level.</li> <li><b>The subject's face is poorly lit:</b> Shoot in bright light.</li> </ul>
<b>Wrong subject is selected.</b>	<p>The selected subject is closer to the center of the frame than the main subject. Recompose the picture or turn face detection off and frame the picture using focus lock (56).</p>

Problem	Solution
The flash does not fire.	<ul style="list-style-type: none"> <li><b>The flash can not be used at current settings:</b> See the list of the settings that can be used with the flash (128).</li> <li><b>The flash is lowered:</b> Raise the flash (36).</li> <li><b>The battery is exhausted:</b> Charge the battery (16) or insert a fully-charged spare battery (17).</li> <li><b>The camera is in bracketing or continuous mode:</b> Select single frame mode (61, 61).</li> <li><b>OFF is selected for  SOUND &amp; FLASH:</b> Select ON (106).</li> </ul>
Some flash modes are not available.	<b>OFF is selected for  SOUND &amp; FLASH:</b> Select ON (106).
The flash does not fully light the subject.	<ul style="list-style-type: none"> <li><b>The subject is not in range of the flash:</b> Position the subject in range of the flash (147).</li> <li><b>The flash window is obstructed:</b> Hold the camera correctly (30).</li> <li><b>Shutter speed is faster than <math>\frac{1}{180}</math> s:</b> Choose a slower shutter speed (37, 48, 50).</li> </ul>
Pictures are blurred.	<ul style="list-style-type: none"> <li><b>The lens is dirty:</b> Clean the lens (xi).</li> <li><b>The lens is blocked:</b> Keep objects away from the lens.</li> <li><b>!AF is displayed during shooting and the focus frame is displayed in red:</b> Check focus before shooting (30).</li> <li><b>!flash is displayed during shooting:</b> Use the flash or mount the camera on a tripod (36).</li> </ul>
Pictures are mottled.	<ul style="list-style-type: none"> <li><b>Shutter speed is slow and the ambient temperature is high:</b> This is normal and does not indicate a malfunction.</li> <li><b>The camera has been used continuously at high temperatures or a temperature warning is displayed:</b> Turn the camera off and wait for it to cool down.</li> </ul>

## ■ Playback

Problem	Solution
<b>Pictures are grainy.</b>	The pictures were taken with a different make or model of camera.
<b>Playback zoom is unavailable.</b>	The pictures were created using <b>RESIZE</b> or with a different make or model of camera.
<b>No sound in movie playback.</b>	<ul style="list-style-type: none"> <li><b>Playback volume is too low:</b> Adjust playback volume (107).</li> <li><b>The microphone was obstructed:</b> Hold the camera correctly during recording (2, 38).</li> <li><b>The speaker is obstructed:</b> Hold the camera correctly during playback (2, 40).</li> <li><b>OFF is selected for SOUND &amp; FLASH:</b> Select <b>ON</b> (106).</li> </ul>
<b>Selected pictures are not deleted.</b>	Some of the pictures selected for deletion are protected. Remove protection using the device with which it was originally applied (101).
<b>File numbering is unexpectedly reset.</b>	The battery-chamber cover was opened while the camera was on. Turn the camera off before opening the battery-chamber cover (17, 21).

## ■ Connections/Miscellaneous

For additional information on troubleshooting wireless connections, visit:

[http://faq.fujifilm.com/digitalcamera/faq\\_product.html?pid=X](http://faq.fujifilm.com/digitalcamera/faq_product.html?pid=X)

Problem	Solution
<b>Problem connecting or uploading pictures to smartphone.</b>	<ul style="list-style-type: none"> <li><b>The smartphone is too far away:</b> Move the devices closer.</li> <li><b>Nearby devices are causing radio interference:</b> Move the camera and smartphone away from microwave ovens or cordless phones.</li> </ul>
<b>Can not upload images.</b>	<ul style="list-style-type: none"> <li><b>The smartphone is connected to another device:</b> The smartphone and camera can connect to only one device at a time. End the connection and try again.</li> <li><b>There are several smartphones in the vicinity:</b> Try connecting again. The presence of multiple smartphones can make connection difficult.</li> <li>The current image is a movie or was created on another device and can not be uploaded to a smartphone.</li> </ul>

Problem	Solution
Smartphone will not display pictures.	Select <b>ON</b> for  <b>CONNECTION SETTING &gt; WIRELESS SETTING &gt; RESIZE IMAGE FOR SMARTPHONE</b> (3M). Selecting <b>OFF</b> increases upload times for larger images; in addition, some phones may not display images over a certain size.
No picture or sound on TV.	<ul style="list-style-type: none"> <li><b>The camera is not properly connected:</b> Connect the camera properly (128). Note that once the camera is connected, pictures will be displayed on the TV instead of in the camera monitor.</li> <li><b>Input on the television is set to "TV":</b> Set input to "HDMI".</li> <li><b>The volume on the TV is too low:</b> Use the controls on the television to adjust the volume.</li> </ul>
The computer does not recognize the camera.	Be sure the camera and computer are correctly connected (120).
Can not transfer RAW or JPEG files to computer.	Use MyFinePix Studio to transfer pictures (Windows only; 118).
Pictures can not be printed.	<ul style="list-style-type: none"> <li><b>The camera is not properly connected:</b> Connect the camera correctly (121).</li> <li><b>The printer is off:</b> Turn the printer on.</li> </ul>
Only one copy is printed/ the date is not printed.	The printer is not PictBridge compatible.
The camera is unresponsive.	<ul style="list-style-type: none"> <li><b>Temporary camera malfunction:</b> Remove and reinsert the battery (17, 19).</li> <li><b>The battery is exhausted:</b> Charge the battery (16) or insert a fully-charged spare battery (17).</li> </ul>
The camera does not function as expected.	Remove and reinsert the battery (17, 19). If the problem persists, contact your FUJIFILM dealer.
No sound.	Select <b>ON</b> for  <b>SOUND &amp; FLASH</b> (106).

## Warning Messages and Displays

The following warnings appear in the display.

Warning	Description
	Low battery. Charge the battery (16) or insert a fully-charged spare battery (17).
	Battery exhausted. Charge the battery (16) or insert a fully-charged spare battery (17).
	Slow shutter speed. Pictures may be blurred; use the flash or a tripod.
 <b>!AF</b> (displayed in red with red focus frame)	The camera can not focus. Try one of the following solutions: <ul style="list-style-type: none"><li>Use focus lock to focus on another subject at the same distance, then recompose the picture (56).</li></ul>
<b>Aperture or shutter speed displayed in red</b>	The subject is too bright or too dark and the picture will be over- or under-exposed. Use the flash for additional lighting when taking photographs of poorly-lit subjects (36).
<b>FOCUS ERROR</b>	Camera malfunction. Turn the camera off and then on again. If the message persists, contact a FUJIFILM dealer.
<b>TURN OFF THE CAMERA AND TURN ON AGAIN</b>	
<b>LENS CONTROL ERROR</b>	
<b>LENS ERROR</b>	Turn the camera off, remove the lens, and clean the mounting surfaces, then replace the lens and turn the camera on. If the problem persists, contact a FUJIFILM dealer.
<b>BUSY</b>	The memory card is incorrectly formatted. Use the camera to format the card (113).
<b>CARD NOT INITIALIZED</b>	<ul style="list-style-type: none"><li><b>The memory card is not formatted or the memory card has been formatted in a computer or other device:</b> Format the memory card using the  <b>FORMAT</b> option in the camera setup menu (113).</li><li><b>The memory card contacts require cleaning:</b> Clean the contacts with a soft, dry cloth. If the message is repeated, format the card (113). If the message persists, replace the card.</li><li><b>Camera malfunction:</b> Contact a FUJIFILM dealer.</li></ul>
<b>PROTECTED CARD</b>	The memory card is locked. Unlock the card (18).

Warning	Description
<b>CARD ERROR</b>	<ul style="list-style-type: none"> <li><b>The memory card is not formatted for use in the camera:</b> Format the card (113).</li> <li><b>The memory card contacts require cleaning or the memory card is damaged:</b> Clean the contacts with a soft, dry cloth. If the message is repeated, format the card (113). If the message persists, replace the card.</li> <li><b>Incompatible memory card:</b> Use a compatible card (20).</li> <li><b>Camera malfunction:</b> Contact a FUJIFILM dealer.</li> </ul>
<b>SD MEMORY FULL</b>	<p>The memory card is full and pictures can not be recorded. Delete pictures (35) or insert a memory card with more free space (17).</p>
<b>NO CARD</b>	<p>The shutter can only be released when a memory card is inserted. Insert a memory card.</p>
<b>WRITE ERROR</b>	<ul style="list-style-type: none"> <li><b>Memory card error or connection error:</b> Reinsert the card or turn the camera off and then on again. If the message persists, contact a FUJIFILM dealer.</li> <li><b>Not enough memory remaining to record additional pictures:</b> Delete pictures (35) or insert a memory card with more free space (17).</li> <li><b>The memory card is not formatted:</b> Format the memory card (113).</li> </ul>
<b>READ ERROR</b>	<ul style="list-style-type: none"> <li><b>The file is corrupt or was not created with the camera:</b> The file can not be viewed.</li> <li><b>The memory card contacts require cleaning:</b> Clean the contacts with a soft, dry cloth. If the message is repeated, format the card (113). If the message persists, replace the card.</li> <li><b>Camera malfunction:</b> Contact a FUJIFILM dealer.</li> </ul>
<b>FRAME NO. FULL</b>	<p>The camera has run out of frame numbers (current frame number is 999-9999). Format the memory card and select <b>RENEW</b> for <b>FRAME NO.</b>. Take a picture to reset frame numbering to 100-0001, then select <b>CONTINUOUS</b> for <b>FRAME NO.</b> (110).</p>
<b>TOO MANY FRAMES</b>	<ul style="list-style-type: none"> <li><b>A search has returned more than 30,000 results:</b> Choose a search that returns fewer results.</li> <li><b>More than 999 images are selected for deletion:</b> Choose fewer images.</li> </ul>

Warning	Description
 PROTECTED FRAME	An attempt was made to delete or rotate to a protected picture. Remove protection and try again (101).
 CAN NOT CROP	The picture is damaged or was not created with the camera.
 CANNOT EXECUTE	Red-eye removal can not be applied to pictures created with other devices.
 CANNOT EXECUTE	Red-eye removal can not be applied to movies.
 CAN NOT ROTATE	The selected picture can not be rotated.
 CAN NOT ROTATE	Movies can not be rotated.
 DPOF FILE ERROR	The DPOF print order on the current memory card contains more than 999 images. Copy the pictures to a computer and create a new print order.
 CAN NOT SET DPOF	The picture can not be printed using DPOF.
 CAN NOT SET DPOF	Movies can not be printed using DPOF.
 COMMUNICATION ERROR	A connection error occurred while pictures were being printed or copied to a computer or other device. Confirm that the device is turned on and that the USB cable is connected.
 PRINTER ERROR	Printer out of paper or ink, or other printer error. Check printer (see printer manual for details). To resume printing, turn the printer off and then turn it back on.
 PRINTER ERROR RESUME?	Printer out of paper or ink, or other printer error. Check printer (see printer manual for details). If printing does not resume automatically, press <b>MENU/OK</b> to resume.
 CANNOT BE PRINTED	An attempt was made to print a movie, a picture not created with the camera, or a picture in a format not supported by the printer. Movies, RAW images, and some pictures created with other devices can not be printed; if the picture is a still picture created with the camera, check the printer manual to confirm that the printer supports the JFIF-JPEG or Exif-JPEG format. If it does not, the pictures can not be printed.
 !	Turn the camera off and wait for it to cool. Mottling may increase in pictures taken when this warning is displayed.

# Appendix

## Memory Card Capacity

The following table shows the recording time or number of pictures available at different image sizes. All figures are approximate; file size varies with the scene recorded, producing wide variations in the number of files that can be stored. The number of exposures or length remaining may not diminish at an even rate.

Capacity		8 GB		8 GB	
		 FINE	 NORMAL	 FINE	 NORMAL
Photographs	L 3:2	1210	1910	2490	3950
	RAW	230		490	
Movies <sup>1</sup>	 1920×1080 60 fps <sup>2</sup>		26 min.		54 min.
	 1920×1080 50 fps <sup>2</sup>				
	 1920×1080 30 fps <sup>2</sup>				
	 1920×1080 25 fps <sup>2</sup>				
	 1920×1080 24 fps <sup>2</sup>				
	 1280×720 60 fps <sup>3</sup>		51 min.		105 min.
	 1280×720 50 fps <sup>3</sup>				
	 1280×720 30 fps <sup>3</sup>				
	 1280×720 25 fps <sup>3</sup>				
	 1280×720 24 fps <sup>3</sup>				

1 Use a CLASS<sup>10</sup> card or better.

2 Individual movies can not exceed 14 minutes in length.

3 Individual movies can not exceed 27 minutes in length.

## Links

For more information on FUJIFILM digital camera, visit the websites listed below.

### **FUJIFILM X-E2S Product Information**

Optional accessories and support information can be found on the following website.

fujifilm X-E2S



### **Firmware Updates**

Updates to product firmware may result in changes not described in the manual. For more information, visit:

[http://www.fujifilm.com/support/digital\\_cameras/software/fw\\_table.html](http://www.fujifilm.com/support/digital_cameras/software/fw_table.html)

fujifilm firmware



### **Free FUJIFILM Apps**

FUJIFILM apps give you more opportunities to enjoy your pictures on smartphones, tablets, and computers.

<http://fujifilm-dsc.com/>

fujifilm Wi-Fi app



For the latest version of MyFinePix Studio, visit:

<http://fujifilm-dsc.com/mfs/>

fujifilm mfs



For the latest version of RAW FILE CONVERTER, visit:

<http://fujifilm-dsc.com/rfc/>

fujifilm rfc



## Specifications

System	FUJIFILM X-E2S digital camera		
Model	FUJIFILM X-E2S digital camera		
Effective pixels	16.3 million		
Image sensor	23.6 mm × 15.6 mm (APS-C), X-Trans CMOS II sensor with square pixels and primary color filter		
Storage media	FUJIFILM-recommended SD/SDHC/SDXC memory cards		
File system	Compliant with Design Rule for Camera File System (DCF), Exif 2.3, and Digital Print Order Format (DPOF)		
File format	<ul style="list-style-type: none"><li>• <b>Still pictures:</b> Exif 2.3 JPEG (compressed); RAW (original RAF format, special-purpose software required); RAW+JPEG available</li><li>• <b>Movies:</b> H.264 standard with stereo sound (MOV)</li></ul>		
Image size	<ul style="list-style-type: none"><li>• <b>L 3:2:</b> 4,896 × 3,264</li><li>• <b>M 3:2:</b> 3,456 × 2,304</li><li>• <b>S 3:2:</b> 2,496 × 1,664</li><li>• <b>L panorama:</b> 2,160 × 9,600 (vertical) / 9,600 × 1,440 (horizontal)</li><li>• <b>M panorama:</b> 2,160 × 6,400 (vertical) / 6,400 × 1,440 (horizontal)</li><li>• <b>L 16:9:</b> 4,896 × 2,760</li><li>• <b>M 16:9:</b> 3,456 × 1,944</li><li>• <b>S 16:9:</b> 2,496 × 1,408</li><li>• <b>L 1:1:</b> 3,264 × 3,264</li><li>• <b>M 1:1:</b> 2,304 × 2,304</li><li>• <b>S 1:1:</b> 1,664 × 1,664</li></ul>		
Lens mount	FUJIFILM X mount		
Sensitivity	Standard output sensitivity equivalent to ISO 200–6400 in increments of 1/3 EV; AUTO; extended output sensitivity equivalent to ISO 100, 12800, 25600, or 51200		
Metering	256-segment through-the-lens (TTL) metering; MULTI, SPOT, AVERAGE		
Exposure control	Programmed AE (with program shift); shutter-priority AE; aperture-priority AE; manual exposure		
Exposure compensation	–3 EV – +3 EV in increments of 1/3 EV		

## System

## Shutter speed

- **MECHANICAL SHUTTER**
    - **P mode:** 4 sec. to  $\frac{1}{4,000}$  sec.
    - **Bulb:** Max. 60 min.
  - **ELECTRONIC SHUTTER**
    - **P, S, A, and M modes:** 1 sec. to  $\frac{1}{32,000}$  sec.
    - **Bulb:** Fixed at 1 sec.
  - **MECHANICAL + ELECTRONIC**
    - **P mode:** 4 sec. to  $\frac{1}{2,000}$  sec.
    - **Bulb:** Max. 60 min.
- **Time:** 30 sec. to  $\frac{1}{4,000}$  sec.
  - **All other modes:** 30 sec. to  $\frac{1}{4,000}$  sec.
  - **Time:** 1 sec. to  $\frac{1}{32,000}$  sec.
  - **Time:** 30 sec. to  $\frac{1}{32,000}$  sec.
  - **All other modes:** 30 sec. to  $\frac{1}{32,000}$  sec.

## Continuous

	Mode		Frame rate (fps)	Frames per burst
				
			7.0	Up to approximately 17
			3.0	Until card is full

- ◆ Use a **CLASS 10** card or better.
- ◆ The frame rate varies with shooting conditions and the number of images recorded.

## Focus

- **Mode:** Single or continuous AF; manual focus with focus ring; **AF+MF**
- **Focus-area selection:** **SINGLE POINT, ZONE, WIDE/TRACKING**
- **Autofocus system:** Intelligent hybrid AF (TTL contrast-detect/phase-detection AF) with AF-assist illuminator

## White balance

Custom, color temperature selection, auto, direct sunlight, shade, daylight fluorescent, warm white fluorescent, cool white fluorescent, incandescent, underwater

## Self-timer

Off, 2 sec., 10 sec.

## System

Flash	<ul style="list-style-type: none"> <li><b>Type:</b> Manual pop-up flash unit</li> <li><b>Guide number:</b> Approx. 7/22 (ISO 200, m/ft.)</li> </ul>
Mode	Auto, fill flash, off, slow sync, rear-curtain sync, commander (red-eye removal off); auto with red-eye removal, fill flash with red-eye removal, off, slow sync with red-eye removal, rear-curtain sync with red-eye removal, commander (red-eye removal on)
Hot shoe	Accessory shoe with TTL contacts
Viewfinder	0.5-in., 2,360k-dot color OLED viewfinder with diopter adjustment (−4 to +2m <sup>−1</sup> ); eye point approx. 23 mm; frame coverage approx. 100%
LCD monitor	3.0-in/7.6 cm., 1,040k-dot color LCD monitor; frame coverage approx. 100%
Movies	<ul style="list-style-type: none"> <li><b>HD 1920 × 1080 60fps:</b> Frame size 1,920 × 1,080 (1080p); 60 fps; stereo sound</li> <li><b>HD 1920 × 1080 50fps:</b> Frame size 1,920 × 1,080 (1080p); 50 fps; stereo sound</li> <li><b>HD 1920 × 1080 30fps:</b> Frame size 1,920 × 1,080 (1080p); 30 fps; stereo sound</li> <li><b>HD 1920 × 1080 25fps:</b> Frame size 1,920 × 1,080 (1080p); 25 fps; stereo sound</li> <li><b>HD 1920 × 1080 24fps:</b> Frame size 1,920 × 1,080 (1080p); 24 fps; stereo sound</li> <li><b>HD 1280 × 720 60fps:</b> Frame size 1,280 × 720 (720p); 60 fps; stereo sound</li> <li><b>HD 1280 × 720 50fps:</b> Frame size 1,280 × 720 (720p); 50 fps; stereo sound</li> <li><b>HD 1280 × 720 30fps:</b> Frame size 1,280 × 720 (720p); 30 fps; stereo sound</li> <li><b>HD 1280 × 720 25fps:</b> Frame size 1,280 × 720 (720p); 25 fps; stereo sound</li> <li><b>HD 1280 × 720 24fps:</b> Frame size 1,280 × 720 (720p); 24 fps; stereo sound</li> </ul>

**Input/output terminals**

<b>HDMI output</b>	HDMI mini connector
<b>Digital input/output</b>	<b>Micro USB connector (USB 2.0 High-Speed)</b>
<b>Microphone/ remote release connector</b>	φ2.5 mm mini-stereo jack

**Power supply/other**

<b>Power supply</b>	NP-W126 rechargeable battery	
<b>Battery life</b> (approximate number of frames that can be taken with a fully-charged battery in mode <b>P</b> , <b>XF 35 mm f/1.4 R lens</b> )	<b>Battery type</b>	<b>Approximate number of frames</b>
NP-W126 (type supplied with camera)		
350		
CIPA standard, measured using battery supplied with camera and SD memory card.		
<b>Note:</b> Number of shots that can be taken with battery varies with battery charge level and will decline at low temperatures.		
<b>Camera size</b> (W × H × D)	129.0 mm × 74.9 mm × 37.2 mm (30.9 mm excluding projections, measured at thinnest part)/5.0 in. × 2.9 in. × 1.4 in. (1.2 in.)	
<b>Camera weight</b>	Approx. 300 g/10.5 oz, excluding battery, accessories, and memory card	
<b>Shooting weight</b>	Approx. 350 g/12.3 oz, including battery and memory card	
<b>Operating conditions</b>	<ul style="list-style-type: none"> <li><b>Temperature:</b> 0 °C to +40 °C/+32 °F to +104 °F</li> <li><b>Humidity:</b> 10% – 80% (no condensation)</li> </ul>	

**Wireless transmitter**

<b>Standards</b>	IEEE 802.11b/g/n (standard wireless protocol)
<b>Operating frequency</b>	<ul style="list-style-type: none"> <li><b>U. S. A., Canada, Taiwan:</b> 2,412 MHz–2,462 MHz (11 channels)</li> <li><b>Other countries:</b> 2,412 MHz–2,472 MHz (13 channels)</li> </ul>
<b>Access protocols</b>	Infrastructure

**NP-W126 rechargeable battery**

<b>Nominal voltage</b>	7.2V DC
<b>Nominal capacity</b>	1,260 mAh
<b>Operating temperature</b>	0°C to +40°C/+32°F to +104°F
<b>Dimensions (W×H×D)</b>	36.4 mm×47.1 mm×15.7 mm/1.4 in.×1.8 in.×0.6 in.
<b>Weight</b>	Approx. 47 g/1.7 oz.

**BC-W126 battery charger**

<b>Rated input</b>	100V–240V AC, 50/60Hz
<b>Input capacity</b>	13–21VA
<b>Rated output</b>	8.4V DC, 0.6 A
<b>Supported batteries</b>	NP-W126 rechargeable batteries
<b>Charging time</b>	Approx. 150 minutes (+20°C/+68°F)
<b>Operating temperature</b>	5°C to +40°C/+41°F to +104°F
<b>Dimensions (W×H×D)</b>	65 mm×91.5 mm×28 mm/2.5 in.×3.6 in.×1.1 in., excluding projections
<b>Weight</b>	Approx. 77 g/2.7 oz., excluding battery

Weight and dimensions vary with the country or region of sale. Labels, menus, and other displays may differ from those on the actual camera.

## ■ Notices

- Specifications subject to change without notice; for the latest information, visit [http://www.fujifilm.com/products/digital\\_cameras/index.html](http://www.fujifilm.com/products/digital_cameras/index.html). FUJIFILM shall not be held liable for damages resulting from errors in this manual.
- Although the viewfinder and LCD monitor are manufactured using advanced high-precision technology, small bright points and anomalous colors may appear, particularly in the vicinity of text. This is normal for this type of LCD display and does not indicate a malfunction; images recorded with the camera are unaffected.
- Digital cameras may malfunction when exposed to strong radio interference (e.g., electric fields, static electricity, or line noise).
- Due to the type of lens used, some distortion may occur at the periphery of images. This is normal.

## Restrictions on Camera Settings

The options available in each shooting mode are listed below. Some options may not be available for the items that are supported in any given mode, and function may be restricted depending on shooting conditions.





## Restrictions on Camera Settings

Auto mode		OFF				OFF	ON	OFF	ON	OFF	ON	ON												
Shooting mode/ scene position		P	S	A	M	AEW																		
Color		✓	✓	✓	✓					✓													✓ <sup>1</sup>	
Sharp		✓	✓	✓	✓					✓													✓ <sup>1</sup>	
WB		✓	✓	✓	✓					✓													✓ <sup>2</sup>	
WB		✓	✓	✓	✓					✓													✓ <sup>2</sup>	
NR		✓	✓	✓	✓					✓													✓ <sup>2</sup>	
WB		✓	✓	✓	✓					✓													✓ <sup>2</sup>	
WB / NC		✓	✓	✓	✓					✓	✓ <sup>3</sup>												✓ <sup>2</sup>	
■	PREVIEW EXP. IN MANUAL MODE					✓	✓		✓			✓												✓ <sup>2</sup>
	FOCUS CHECK (AF)	✓ <sup>7</sup>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
	FOCUS CHECK (MF)	✓	✓	✓	✓				✓	✓														✓
■	FRAMING GUIDELINE	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	ELECTRONIC LEVEL	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	AF DISTANCE INDICATOR	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	MF DISTANCE INDICATOR	✓	✓	✓	✓				✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	HISTOGRAM	✓	✓	✓	✓				✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	APERTURE/ S-SPEED/ISO	✓	✓	✓	✓	✓	✓		✓		✓								✓ <sup>10</sup>					
	EXP. COMPENSATION	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	PHOTOMETRY	✓	✓	✓	✓				✓															
	FLASH	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	WHITE BALANCE	✓	✓	✓	✓				✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
	FILM SIMULATION	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						✓

## 1 Fixed automatically.

## 2 Wireless remote photography.

**3** Options available vary with shooting mode.

4 A is not available.

5 Available only with auto ISO sensitivity.

## 6 Varies with lens

8 Still photography settings are used.

9 Turns off automatically when interval timer is on.

**10** Display shows shutter speed only.

## 11 sRGB selected automatically

**12** Flash turns off when **ELECTRONIC SHUTTER/MECHANICAL +**  
**ELECTRONIC** is selected for **SHUTTER TYPE**

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