

**FUJIFILM**

DIGITAL CAMERA

**X-H1**

Owner's Manual

BL00004940-200 **EN**

## Introduction

Thank you for your purchase of this product. Be sure that you have read this manual and understood its contents before using the camera. Keep the manual where it will be read by all who use the product.

### For the Latest Information

The latest versions of the manuals are available from:

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



The site can be accessed not only from your computer but also from smartphones and tablets.



For information on firmware updates, visit:

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

fujifilm firmware



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# Menu List

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## Supplied Accessories

The following are included with the camera:

- NP-W126S rechargeable battery
- BC-W126 battery charger
- EF-X8 shoe mounted flash unit
- Body cap
- Metal strap clips (x 2)
- Clip attaching tool
- Protective covers (x 2)
- Shoulder strap
- Cable protector
- Hot shoe cover (comes attached to hot shoe)
- Sync terminal cap (comes attached to camera)
- Vertical **power-booster** grip connector cover (comes attached to camera)
- *Owner's Manual* (this manual)



If you purchased a lens kit, check that a lens is included. If you purchased a kit with a VPB-XH1 vertical power-booster grip, check that it includes:

- one vertical power-booster grip (including battery tray and connector cap)
- two NP-W126S rechargeable batteries, and
- one AC-9VS AC power adapter.

For information on compatible computer software, see "Software from FUJIFILM" (258).

## About This Manual

This manual contains instructions for your FUJIFILM [X-H1](#) digital camera. Be sure you have read and understood its contents before proceeding.

### Symbols and Conventions

The following symbols are used in this manual:

-  Information that should be read to prevent damage to the product.
-  Additional information that may be helpful when using the product.
-  Pages on which related information may be found.

Menus and other text in the displays are shown in **bold**. Illustrations are for explanatory purposes only; drawings may be simplified, while photographs are not necessarily taken with the model of camera described in this manual.

### Terminology

The optional SD, SDHC, and SDXC memory cards the camera uses to store pictures are referred to as "memory cards". The electronic viewfinder may be referred to as the "EVF" and the LCD monitor as the "LCD".

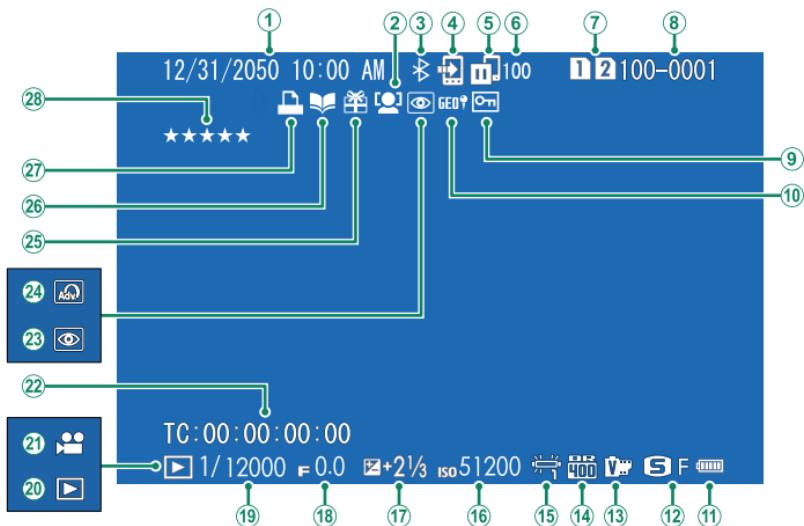
# Playback and the Playback Menu

7

# The Playback Display

This section lists the indicators that may be displayed during playback.

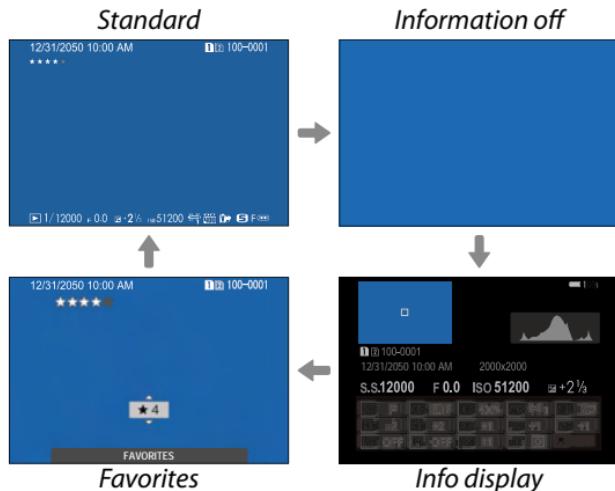
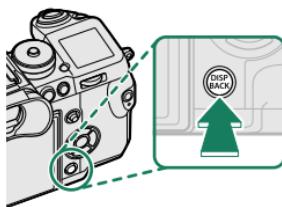
! For illustrative purposes, displays are shown with all indicators lit.



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## The DISP/BACK Button

The **DISP/BACK** button controls the display of indicators during playback.

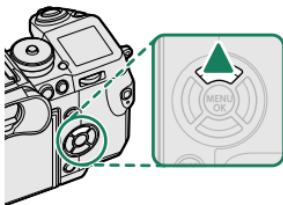


### Favorites: Rating Pictures

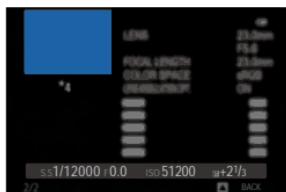
To rate the current picture, press **DISP/BACK** and press the selector up and down to select from zero to five stars.

## Viewing Photo Information

The photo information display changes each time the selector is pressed up.



Basic data



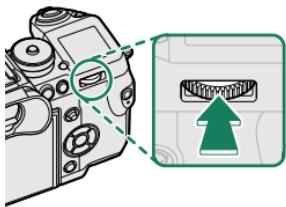
Info display 2



Info display 1

## Zooming in on the Focus Point

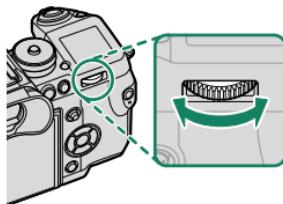
Press the center of the rear command dial to zoom in on the focus point. Press again to return to full-frame playback.



# Viewing Pictures

Read this section for information on playback zoom and multi-frame playback.

Use the rear command dial to go from full-frame playback to playback zoom or multi-frame playback.



Full-frame playback



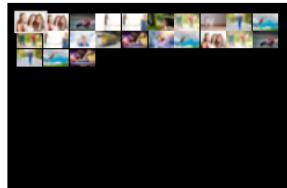
Multi-frame playback



Nine-frame view



Hundred-frame view



Playback zoom



Medium zoom



Maximum zoom



## Playback Zoom

Rotate the rear command dial right to zoom in on the current picture, left to zoom out. To exit zoom, press **DISP/BACK**, **MENU/OK**, or the center of the rear command dial.

 The maximum zoom ratio varies with the option selected for **IMAGE QUALITY SETTING > IMAGE SIZE**. Playback zoom is not available with cropped or resized copies saved at a size of **640**.

### Scroll

When the picture is zoomed in, the selector can be used to view areas of the image not currently visible in the display.



Navigation window

## Multi-Frame Playback

To change the number of images displayed, rotate the rear command dial left when a picture is displayed full frame.

 Use the selector to highlight images and press **MENU/OK** to view the highlighted image full frame. In the nine- and hundred-frame displays, press the selector up or down to view more pictures.



## The Playback Menu

Adjust playback settings.

The playback menu is displayed when you press **MENU/OK** in playback mode.



### SWITCH SLOT

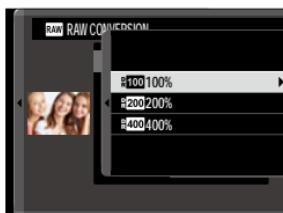
Choose the card from which images will be played back.

 If two memory cards are inserted, you can press and hold the **▶** button to choose a card for playback.

## RAW CONVERSION

RAW pictures store information on camera settings separately from the data captured by the camera image sensor. Using **PLAY BACK MENU > RAW CONVERSION**, you can create JPEG copies of RAW pictures using different options for the settings listed on page 159. The original image data are unaffected, allowing a single RAW image to be processed in a multitude of different ways.

- 1 With a RAW picture displayed, press **MENU/OK** to display the playback menu.
- 2 Press the selector up or down to highlight **PLAY BACK MENU > RAW CONVERSION** and press **MENU/OK** to display settings.
  -  These options can also be displayed by pressing the **Q** button during playback.
- 3 Press the selector up or down to highlight a setting and press the selector right to display options. 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.
- 4 Press the **Q** button to preview the JPEG copy and press **MENU/OK** to save.



The settings that can be adjusted when converting pictures from RAW to JPEG are:

Setting	Description
<b>REFLECT SHOOTING COND.</b>	Create a JPEG copy using the settings in effect at the time the photo was taken.
<b>IMAGE SIZE</b>	Choose an image size.
<b>IMAGE QUALITY</b>	Adjust image quality.
<b>PUSH/PULL PROCESSING</b>	Adjust exposure.
<b>DYNAMIC RANGE</b>	Enhance details in highlights for natural contrast.
<b>D RANGE PRIORITY</b>	Reduce loss of detail in highlights and shadows for natural-looking results when photographing high-contrast scenes.
<b>FILM SIMULATION</b>	Simulate the effects of different types of film.
<b>GRAIN EFFECT</b>	Add a film grain effect.
<b>WHITE BALANCE</b>	Adjust white balance.
<b>WB SHIFT</b>	Fine-tune white balance.
<b>HIGHLIGHT TONE</b>	Adjust highlights.
<b>SHADOW TONE</b>	Adjust shadows.
<b>COLOR</b>	Adjust color density.
<b>SHARPNESS</b>	Sharpen or soften outlines.
<b>NOISE REDUCTION</b>	Process the copy to reduce mottling.
<b>LENS MODULATION OPTIMIZER</b>	Improve definition by adjusting for diffraction and the slight loss of focus at the periphery of the lens.
<b>COLOR SPACE</b>	Choose the color space used for color reproduction.

## ERASE

Delete individual pictures, multiple selected pictures, or all pictures.

 *Deleted pictures cannot be recovered.* Protect important pictures or copy them to a computer or other storage device before proceeding.

Option	Description
<b>FRAME</b>	Delete pictures one at a time.
<b>SELECTED FRAMES</b>	Delete multiple selected pictures.
<b>ALL FRAMES</b>	Delete all unprotected pictures.

### FRAME

- 1 Select **FRAME** for **ERASE** in the playback menu.
- 2 Press the selector left or right to scroll through pictures and press **MENU/OK** to delete (a confirmation dialog is not displayed). Repeat to delete additional pictures.

## SELECTED FRAMES

- 1 Select **SELECTED FRAMES** for **ERASE** in the playback menu.
- 2 Highlight pictures and press **MENU/OK** to select or deselect (pictures in photobooks or printer orders are shown by ). Selected pictures are indicated by check marks ().
- 3 When the operation is complete, press **DISP/BACK** to display a confirmation dialog.
- 4 Highlight **OK** and press **MENU/OK** to delete the selected pictures.

## ALL FRAMES

- 1 Select **ALL FRAMES** for **ERASE** in the playback menu.
- 2 A confirmation dialog will be displayed; highlight **OK** and press **MENU/OK** to delete all unprotected pictures.



Pressing **DISP/BACK** cancels deletion; note that any pictures deleted before the button was pressed cannot be recovered.

If a message appears stating that the selected images are part of a DPOF print order, press **MENU/OK** to delete the pictures.

## SIMULTANEOUS DELETE(RAW SLOT1/JPG SLOT2)

Taking photos with RAW/JPEG selected for  **SAVE DATA** **SET-UP > CARD SLOT SETTING (STILL IMAGE)** creates two copies: a RAW image recorded to the card in Slot 1 and a JPEG image recorded to the card in Slot 2. If **ON** is selected for **SIMULTANEOUS DELETE(RAW SLOT1/JPG SLOT 2)**, deleting the RAW image will also delete the JPEG copy.

Options	
ON	OFF

## CROP

Create a cropped copy of the current picture.

- 1 Display the desired picture.
- 2 Select **CROP** in the playback menu.
- 3 Use the rear command dial 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**, **YES** 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.

 Protected pictures will be deleted when the memory card is formatted.

 Protecting images currently selected for upload to paired smartphones or tablets removes upload marking.

## 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 will automatically be displayed in the selected orientation whenever it is played back on the camera.

 Protected pictures cannot 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.

## 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**.

 Results vary depending on the scene and the camera's success in detecting faces. Red eye cannot be removed from pictures that have already been processed using red-eye removal, which are indicated by a  icon during playback.

The amount of time needed to process the image varies with the number of faces detected.

Red eye removal cannot be performed on RAW images.

## VOICE MEMO SETTING

Add a voice memo to the current photograph.

- 1 Select **ON** for **VOICE MEMO SETTING** in the playback menu.
- 2 Display a photo to which you wish to add a voice memo.
- 3 Press and hold the center of the front command dial to record the memo. Recording ends after 30 s or when you release the dial.

 The new memo will be recorded over any existing memos. Deleting the picture also deletes the memo.

Voice memos cannot be added to movies or protected pictures.

### Playing Voice Memos

Pictures with voice memos are indicated by  icons during playback. To play a memo, select the picture and press the center of the front command dial; a progress bar will be displayed while the memo plays back. Volume can be adjusted by pressing **MENU/OK** to pause playback and then pressing the selector up or down to adjust the volume. Press **MENU/OK** again to resume playback. Volume can also be adjusted using  **SOUND SET-UP > PLAYBACK VOLUME**.

## COPY

Copy pictures between the cards in the first and second slots.

- 1 Select **COPY** in the playback menu.
- 2 Highlight one of the following options and press the selector right:
  - **SLOT1 ➔ SLOT2**: Copy pictures from the card in the first slot to the card in the second slot.
  - **SLOT2 ➔ SLOT1**: Copy pictures from the card in the second slot to the card in the first slot.
- 3 Highlight one of the following options and press **MENU/OK**:
  - **FRAME**: Copy selected pictures. Press the selector left or right to view pictures and press **MENU/OK** to copy the current picture.
  - **ALL FRAMES**: Copy all pictures.

 Copying ends when the destination is full.

## IMAGE TRANSFER ORDER

Select photos for upload to a paired smartphone or tablet.

- 1 Select **IMAGE TRANSFER ORDER > FRAME** in the playback menu.
- 2 Highlight photos and press **MENU/OK** to select or deselect. Repeat until all the desired photos have been selected.
- 3 Press **DISP/BACK** to exit to playback.

 If **ON** is selected for both  **CONNECTION SETTING > Bluetooth SETTINGS > Bluetooth ON/OFF** and **AUTO IMAGE TRANSFER**, upload will begin shortly after you exit to playback or turn the camera off.

 If **PAIRING/TRANSFER ORDER** is selected for  **CONNECTION SETTING > GENERAL SETTINGS > BUTTON SETTING**, photos can also be marked for upload using the **Fn1** button. If **ON** is selected for  **CONNECTION SETTING > Bluetooth SETTINGS > AUTO IMAGE TRANSFER**, photos will automatically be marked for upload as they are taken. Image transfer orders can contain a maximum of 999 pictures; to remove upload marking from all pictures in the current order, select **IMAGE TRANSFER ORDER > RESET ORDER**. Protected pictures, RAW images, "gift" pictures (pictures taken with other cameras), and movies can not be selected for upload.

## WIRELESS COMMUNICATION

Connect to smartphones running the latest version of the FUJIFILM Camera Remote app. The smartphone can be used to browse the images on the camera, download selected images, control the camera remotely, or upload location data to the camera.

- For downloads and other information, visit:  
[http://app.fujifilm-dsc.com/en/camera\\_remote/](http://app.fujifilm-dsc.com/en/camera_remote/)

## SLIDE SHOW

View pictures in an automated slide show. Press **MENU/OK** to start and press the selector right or left to skip ahead or back. 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**.

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

## PHOTOBOOK ASSIST

Create books from your favorite photos.

### Creating a Photobook

1 Select **NEW BOOK** for **PLAY BACK MENU** > **PHOTOBOOK ASSIST**.

2 Scroll through the images and press the selector up to select or deselect. Press **MENU/OK** to exit when the book is complete.

Neither photographs **640** or smaller nor movies can be selected for photobooks.

The first picture selected becomes the cover image. Press the selector down to select the current image for the cover instead.

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

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

### Photobooks

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

## 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”.
- **ERASE**: Delete the book.

## PC AUTO SAVE

Upload pictures from the camera to a computer running the latest version of FUJIFILM PC AutoSave (note that you must first install the software and configure the computer as a destination for images copied from the camera).

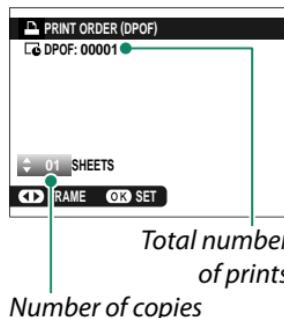


For downloads and other information, visit:  
[http://app.fujifilm-dsc.com/en/pc\\_autosave/](http://app.fujifilm-dsc.com/en/pc_autosave/)

## PRINT ORDER (DPOF)

Create a digital “print order” for DPOF-compatible printers.

- 1 Select **PLAY BACK MENU > PRINT ORDER (DPOF)**.
- 2 Select **WITH DATE** to print the date of recording on pictures, **WITHOUT DATE** to print pictures without dates, or **RESET ALL** to remove all pictures from the print order before proceeding.
- 3 Display a picture you wish to include in or remove from the print order.
- 4 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.



- 5 Repeat steps 3–4 to complete the print order.
- 6 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.

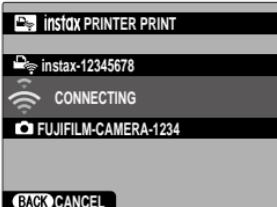
Print orders can contain a maximum of 999 pictures.

If a memory card is inserted containing a print order created by another camera, you will need to delete the order before creating as described above.

## instax PRINTER PRINT

To print pictures to optional FUJIFILM instax SHARE printers, first select  **CONNECTION SETTING > instax PRINTER CONNECTION SETTING** and enter the instax SHARE printer name (SSID) and password, then follow the steps below.

- 1 Turn the printer on.
- 2 Select **PLAY BACK MENU > instax PRINTER PRINT**. 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**. The picture will be sent to the printer and printing will start.



 Pictures taken with other cameras cannot be printed.

The area printed is smaller than the area visible in the LCD monitor.

The displays may vary depending on the printer connected.

## 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.



	Option	
	16:9	3:2
Display		

## MEMO

# 8

## **The Setup Menus**

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## USER SETTING

Adjust basic camera settings.

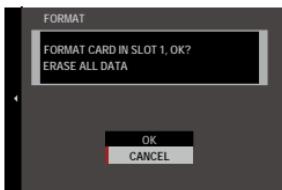
To access basic camera settings, press **MENU/OK**, select the (SET UP) tab, and choose **USER SETTING**.



### FORMAT

To format a memory card:

- 1 Select USER SETTING > **FORMAT** in the (SET UP) tab.
- 2 Highlight the slot containing the card you wish to format and press **MENU/OK**.
- 3 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**.



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.

Do not open the battery-chamber cover during formatting.

The format menu can also be displayed by pressing the center of the rear command dial while pressing and holding the button.

## DATE/TIME

To set the camera clock:

- 1 Select **USER SETTING > DATE/TIME** in the **(SET UP) tab**.
- 2 Press the selector left or right to highlight the year, month, day, hour, or minute and press up or down to change. To change the order in which the year, month, and day are displayed, highlight the date format and press the selector up or down.
- 3 Press **MENU/OK** to set the clock.

## 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 your local and 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, **LOCAL** will be displayed in yellow for about three seconds when the camera is turned on.

### Options

**LOCAL**

**HOME**

## 言語/LANG.

Choose a language.

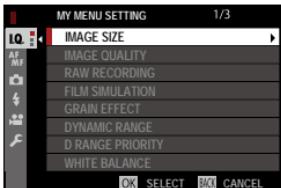
## MY MENU SETTING

Edit the items listed in the **MY (MY MENU)** tab, a personalized custom menu of frequently-used options.

- 1 Highlight **USER SETTING** > **MY MENU SETTING** in the **SET UP** tab and press **MENU/OK** to display the options at right.



- 2 Press the selector up or down to highlight **ADD ITEMS** and press **MENU/OK**. Options that can be added to "my menu" are highlighted in blue.



Items currently in "my menu" are indicated by check marks.

- 3 Highlight an item and press **MENU/OK** to add it to "my menu".



- 4 Press **MENU/OK** to return to the edit display.

- 5 Repeat Steps 3 and 4 until all the desired items have been added.

"My menu" can contain up to 16 items.

### Editing "My Menu"

To reorder or delete items, select **RANK ITEMS** or **REMOVE ITEMS** in Step 1.

## SENSOR CLEANING

Remove dust from the camera image sensor.

- **OK:** Clean the sensor immediately.
- **WHEN SWITCHED ON:** Sensor cleaning will be performed when the camera is turned on.
- **WHEN SWITCHED OFF:** 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 cannot be removed using sensor cleaning can be removed manually (270).

## 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** and **TIME DIFFERENCE** options are not affected.

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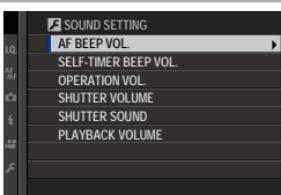
- 1 Highlight the desired option and press the selector right.
- 2 A confirmation dialog will be displayed; highlight **OK** and press **MENU/OK**.



## SOUND SETTING

Make changes to camera sounds.

To access sound settings, press **MENU/OK**, select the  (SET UP) tab, and choose **SOUND SET-UP**.



### AF BEEP VOL.

Choose the volume of the beep that sounds when the camera focuses. The beep can be muted by selecting  OFF.

#### Options

 (high) (medium) (low) OFF (mute)

### SELF-TIMER BEEP VOL.

Choose the volume of the beep that sounds while the self-timer is active. The beep can be muted by selecting  OFF.

#### Options

 (high) (medium) (low) OFF (mute)

### OPERATION VOL.

Adjust the volume of the sounds produced when camera controls are operated. Choose  OFF to disable control sounds.

#### Options

 (high) (medium) (low) OFF (mute)

## HUTTER VOLUME

Adjust the volume of the sounds produced by the electronic shutter. Choose **OFF** to disable the shutter sound.

### Options

🔊 (high)

🔊 (medium)

🔊 (low)

🔇 (mute)

## SHUTTER SOUND

Choose the sound made by the electronic shutter.

### Options

♪ 1 SOUND 1

♪ 2 SOUND 2

♪ 3 SOUND 3

## PLAYBACK VOLUME

Adjust the volume for movie playback. Choose from 10 options between 10 (high) and 1 (low) or select 0 to mute audio during movie playback.

### Options

10

9

8

7

6

5

4

3

2

1

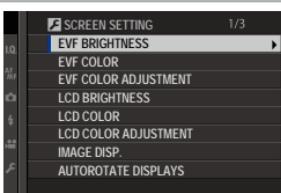
0



## SCREEN SETTING

Make changes to display settings.

To access display settings, press **MENU/OK**, select the (SET UP) tab, and choose **SCREEN SET-UP**.



### EVF BRIGHTNESS

Adjust the brightness of the display in the electronic viewfinder. Select **MANUAL** to choose from 13 options from +5 (bright) to -7 (dark), or select **AUTO** for automatic brightness adjustment.

Options	
MANUAL	AUTO

### EVF COLOR

Adjust the hue of the display in the electronic viewfinder. Choose from 11 options between +5 and -5.

Options												
+5	+4	+3	+2	+1	0	-1	-2	-3	-4	-5		

### EVF COLOR ADJUSTMENT

Adjust the color of the display in the electronic viewfinder.

**1** Adjust colors using the selector.



**2** Press **MENU/OK**.

## LCD BRIGHTNESS

Adjust monitor brightness. Choose from 11 options between +5 and -5.

Options											
+5	+4	+3	+2	+1	0	-1	-2	-3	-4	-5	

## LCD COLOR

Adjust monitor hue. Choose from 11 options between +5 and -5.

Options											
+5	+4	+3	+2	+1	0	-1	-2	-3	-4	-5	

## LCD COLOR ADJUSTMENT

Adjust the color of the display in the LCD monitor.

1 Adjust colors using the selector.

2 Press MENU/OK.

## IMAGE DISP.

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 rear command dial; press again to cancel zoom.
<b>1.5 SEC</b>	Pictures are displayed for the selected time or until the shutter button is pressed halfway.
<b>0.5 SEC</b>	
<b>OFF</b>	Pictures are not displayed after shooting.

## AUTORotate DISPLAYS

Choose whether the indicators in the viewfinder and LCD monitor rotate to match camera orientation.

Options
<b>ON</b>
<b>OFF</b>

## PREVIEW EXP./WB IN MANUAL MODE

Select **PREVIEW EXP./WB** to enable exposure and white balance preview in manual exposure mode, or choose **PREVIEW WB** to preview only white balance (**PREVIEW WB** is recommended in situations in which exposure and white balance are likely to change during shooting, as may be the case when you use a flash with an incandescent monitoring lamp). Select **OFF** when using a flash or on other occasions on which exposure may change when the picture is taken.

Options		
PREVIEW EXP./WB	PREVIEW WB	OFF

## NATURAL LIVE VIEW

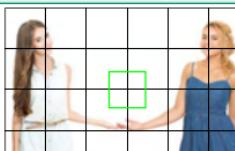
Choose **OFF** to preview the effects of film simulation, white balance, and other settings in the monitor, **ON** to make shadows in low-contrast, back-lit scenes and other hard-to-see subjects more visible.

Options	
ON	OFF

 If **ON** 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.

## FRAMING GUIDELINE

Choose a framing grid for shooting mode.

	Option		
Display	GRID 9	GRID 24	HD HD FRAMING
			

For “rule of thirds” composition.

A six-by-four grid.

Frame HD pictures in the crop shown by the lines at the top and bottom of the display.

 Framing guides are not shown at default settings but can be displayed using **SCREEN SET-UP > DISP. CUSTOM SETTING** (190). HD framing can be customized using FUJIFILM Tether Shooting Plugin PRO or Hyper-Utility Software HS-V5.

## AUTORotate PB

Choose **ON** to automatically rotate “tall” (portrait-orientation) pictures during playback.

Options
ON
OFF

## FOCUS SCALE UNITS

Choose the units used for the focus distance indicator.

Options	
METERS	
	FEET

## APERTURE UNIT FOR CINEMA LENS

Choose whether the camera displays aperture as a T-number (used for movie camera lenses) or an f-number (used for still camera lenses) when an optional FUJINON MKX-series lens is attached. For information on using cinema lenses, see the documentation provided with the lens.

Option	Description
<b>T NUMBER</b>	A measure of lens aperture commonly used by cinematographers. Lens transmittance is taken into account to better calculate exposure.
<b>F NUMBER</b>	A measure of lens aperture commonly used by photographers. Lens transmittance is assumed to be 100%, meaning that the same aperture may produce different exposures depending on the lens.

## DUAL DISPLAY SETTING

Choose the content of the two windows in the dual display.

Option	Description
<b>R:FOCUS L:FRAME</b>	The right (small) window shows a close-up of the focus area, while the left (large) window shows the entire frame.
<b>R:FRAME L:FOCUS</b>	The right (small) window shows the entire frame, while the left (large) window shows a close-up of the focus area.

## DISP. CUSTOM SETTING

Choose the items shown in the standard indicator display.

- 1 In shooting mode, use the **DISP/BACK** button to display standard indicators.
- 2 Press **MENU/OK** and select **SCREEN SET-UP > DISP. CUSTOM SETTING** in the **(SET UP)** tab.
- 3 Highlight items and press **MENU/OK** to select or deselect.

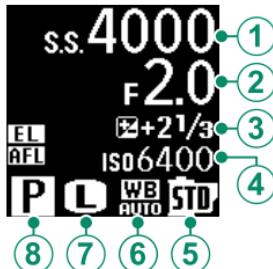
Item	Default	Item	Default
FRAMING GUIDELINE	<input type="checkbox"/>	FLASH	<input checked="" type="checkbox"/>
ELECTRONIC LEVEL	<input type="checkbox"/>	CONTINUOUS MODE	<input checked="" type="checkbox"/>
FOCUS FRAME	<input checked="" type="checkbox"/>	DUAL IS MODE	<input checked="" type="checkbox"/>
AF DISTANCE INDICATOR	<input type="checkbox"/>	TOUCH SCREEN MODE	<input checked="" type="checkbox"/>
MF DISTANCE INDICATOR	<input checked="" type="checkbox"/>	WHITE BALANCE	<input checked="" type="checkbox"/>
HISTOGRAM	<input type="checkbox"/>	FILM SIMULATION	<input checked="" type="checkbox"/>
LIVE VIEW HIGHLIGHT ALERT	<input type="checkbox"/>	DYNAMIC RANGE	<input checked="" type="checkbox"/>
SHOOTING MODE	<input checked="" type="checkbox"/>	BOOST MODE	<input checked="" type="checkbox"/>
APERTURE/S-SPEED/ISO	<input checked="" type="checkbox"/>	FRAMES REMAINING	<input checked="" type="checkbox"/>
INFORMATION BACKGROUND	<input checked="" type="checkbox"/>	IMAGE SIZE/QUALITY	<input checked="" type="checkbox"/>
Expo. Comp. (Digit)	<input type="checkbox"/>	MOVIE MODE & REC. TIME	<input checked="" type="checkbox"/>
Expo. Comp. (Scale)	<input checked="" type="checkbox"/>	IMAGE TRANSFER ORDER	<input checked="" type="checkbox"/>
FOCUS MODE	<input checked="" type="checkbox"/>	MIC LEVEL	<input checked="" type="checkbox"/>
PHOTOMETRY	<input checked="" type="checkbox"/>	BATTERY LEVEL	<input checked="" type="checkbox"/>
SHUTTER TYPE	<input checked="" type="checkbox"/>	FRAMING OUTLINE	<input type="checkbox"/>

- 4 Press **DISP/BACK** to save changes.
- 5 Press **DISP/BACK** as needed to exit the menus and return to the shooting display.

## SUB MONITOR SETTING

Choose the items shown in the secondary LCD monitor.

- 1 Press **MENU/OK** and select **SCREEN SET-UP > SUB MONITOR SETTING** in the **(SET UP)** tab.
- 2 Select **STILL MODE** or **MOVIE MODE**.
- 3 Highlight items for display in positions **①** to **⑧** and press **MENU/OK** to select or deselect. Items not available when **MOVIE MODE** is selected are indicated by asterisks (\*\*).



- **Text (items ① to ④):** SHUTTER SPEED, APERTURE, EXPO. COMP., ISO, MOVIE MODE, FRAMES REM. \*, REC. TIME, NONE
- **Icons (items ⑤ to ⑧):** SHOOTING MODE, PHOTOMETRY, DRIVE MODE\*, FOCUS MODE, WHITE BALANCE, IMAGE SIZE\*, IMAGE QUALITY\*, BATTERY LEVEL, CARD SLOT OPTIONS, SHUTTER TYPE\*, FILM SIMULATION, DYNAMIC RANGE\*, MOVIE MODE\*, NONE

- 4 Press **DISP/BACK** to save changes.

## SUB MONITOR BACKGROUND COLOR

Make the display in the secondary monitor easier to read by choosing the background color suited to current ambient lighting conditions.

Option	Description
<b>BLACK</b>	Recommended for use with dark ambient lighting.
<b>WHITE</b>	Recommended for use with bright ambient lighting.

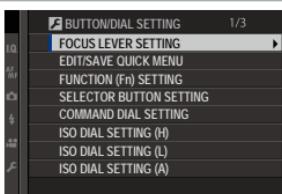
 Regardless of the option selected, the background is displayed in white whenever the secondary monitor backlight is on.



## BUTTON/DIAL SETTING

Access options for camera controls.

To access control options, press **MENU/OK**, select the  (SET UP) tab, and choose **BUTTON/DIAL SETTING**.



### FOCUS LEVER SETTING

Choose the functions performed by the focus stick (focus lever).

Option	Description
<b>LOCK (OFF)</b>	The focus stick cannot be used during shooting.
<b>PUSH  TO UNLOCK</b>	Press the stick to view the focus-point display and tilt the stick to select a focus point.
<b>ON</b>	Tilt the stick to view the focus-point display and select a focus point.

## EDIT/SAVE QUICK MENU

Choose the items displayed in the quick menu.

- 1 Select **■ BUTTON/DIAL SETTING > EDIT/SAVE QUICK MENU** in the **■ (SET UP)** tab.
- 2 The current quick menu will be displayed; use the selector to highlight the item you wish to change and press **MENU/OK**.
- 3 Highlight any of the following options and press **MENU/OK** to assign it to the selected position.

- IMAGE SIZE
- IMAGE QUALITY
- FILM SIMULATION\*
- GRAIN EFFECT\*
- DYNAMIC RANGE\*
- D RANGE PRIORITY\*
- WHITE BALANCE\*
- HIGHLIGHT TONE\*
- SHADOW TONE\*
- COLOR\*
- SHARPNESS\*
- NOISE REDUCTION\*
- SELECT CUSTOM SETTING\*
- AF MODE (MOVIE AF MODE)
- AF-C CUSTOM SETTINGS
- FACE/EYE DETECTION SETTING
- MF ASSIST
- TOUCH SCREEN MODE
- SELF-TIMER
- SHUTTER TYPE
- FLASH FUNCTION SETTING
- FLASH COMPENSATION
- MOVIE MODE
- FULL HD HIGH SPEED REC
- FLICKER REDUCTION
- INTERNAL/EXTERNAL MIC LEVEL ADJUSTMENT
- EVF/LCD BRIGHTNESS
- EVF/LCD COLOR
- NONE

\* Stored in custom settings bank.

 Select **NONE** to assign no option to the selected position. When **SELECT CUSTOM SETTING** is selected, current settings are shown in the quick menu by the label **BASE**.

 The quick menu can also be accessed in shooting mode by holding the **Q** button.

## FUNCTION (Fn) SETTING

Choose the roles played by the function buttons.

- 1 Select **FUNCTION (Fn) SETTING** in the **SET UP** tab.
- 2 Highlight the desired control and press **MENU/OK**.
- 3 Highlight any of the following options and press **MENU/OK** to assign it to the selected control.
  - EXPO. COMP.
  - IMAGE SIZE
  - IMAGE QUALITY
  - RAW
  - FILM SIMULATION
  - GRAIN EFFECT
  - DYNAMIC RANGE
  - **D RANGE PRIORITY**
  - WHITE BALANCE
  - SELECT CUSTOM SETTING
  - FOCUS AREA
  - FOCUS CHECK
  - AF MODE
  - **AF-C CUSTOM SETTINGS**
  - FACE/EYE DETECTION SETTING
  - **DRIVE SETTING**
  - SELF-TIMER
  - **SHUTTER TYPE**
  - ISO AUTO SETTING
  - **MULTI EXPOSURE**
  - WIRELESS COMMUNICATION
  - FLASH FUNCTION SETTING
  - TTL-LOCK
  - MODELING FLASH
  - FULL HD HIGH SPEED REC
  - FLICKER REDUCTION
  - INTERNAL/EXTERNAL MIC LEVEL ADJUSTMENT
  - MOVIE SILENT CONTROL
  - PREVIEW DEPTH OF FIELD
  - PREVIEW EXP/WB IN MANUAL MODE
  - **NATURAL LIVE VIEW**
  - HISTOGRAM
  - ELECTRONIC LEVEL
  - AE LOCK ONLY
  - AF LOCK ONLY
  - AE/AF LOCK
  - AF-ON
  - **APERTURE SETTING**
  - PERFORMANCE
  - AUTO IMAGE TRANSFER
  - Bluetooth ON/OFF
  - PLAYBACK
  - NONE (control disabled)

 Function button assignment options can also be accessed by holding the **DISP/BACK** button. The selector cannot be assigned more than one role at a time.

**EXPO. COMP., AE LOCK ONLY, AF LOCK ONLY, AE/AF LOCK, and AF-ON** cannot be assigned to the touch function buttons (**T-Fn1** through **T-Fn4**).

## AF-ON

If **AF-ON** is selected, you can press the control instead of keeping the shutter button pressed halfway.

## MODELING FLASH

If **MODELING FLASH** is selected when a compatible shoe-mounted flash unit is attached, you can press the control to test-fire the flash and check for shadows and the like (modeling flash).

## TTL-LOCK

If **TTL-LOCK** is selected, you can press the control to lock flash output according to the option selected for  **FLASH SETTING** > **TTL-LOCK MODE** (135).

## SELECTOR BUTTON SETTING

Choose the roles played by the up, down, left, and right buttons on the selector.

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.

 Selecting **FOCUS AREA** prevents you accessing the functions assigned to the function buttons.

## COMMAND DIAL SETTING

Choose the roles played by the command dials.

Option	Description
<b>FRONT COMMAND DIAL 1</b>	Assign shutter speed ( <b>S.S. (PROGRAM SHIFT)</b> ) or aperture ( <b>APERTURE</b> ) <sup>1</sup> to <b>FRONT COMMAND DIAL 1</b> .
<b>FRONT COMMAND DIAL 2</b>	Assign shutter speed ( <b>S.S. (PROGRAM SHIFT)</b> ), aperture ( <b>APERTURE</b> ) <sup>1</sup> , sensitivity ( <b>ISO</b> ) <sup>2</sup> , or no role ( <b>NONE</b> ) to <b>FRONT COMMAND DIAL 2</b> .
<b>FRONT COMMAND DIAL 3</b>	<b>FRONT COMMAND DIAL 2</b> or <b>FRONT COMMAND DIAL 3</b> .
<b>REAR COMMAND DIAL</b>	Assign shutter speed ( <b>S.S. (PROGRAM SHIFT)</b> ), aperture ( <b>APERTURE</b> ) <sup>1</sup> , sensitivity ( <b>ISO</b> ) <sup>2</sup> , or no role ( <b>NONE</b> ) to the rear command dial.
<b>EXP. COMPENSATION ASSIGNMENT</b>	Choose the command dial or dials that can be used to adjust exposure compensation while the  button is pressed: the front command dial (  <b>FRONT COMMAND DIAL</b> ), rear command dial (  <b>REAR COMMAND DIAL</b> ), or both (  <b>BOTH</b> ).

1 Aperture set to **A** (auto) and **COMMAND** selected for  **Fn BUTTON/DIAL SETTING** > **APERTURE RING SETTING (A)**.

2 ISO dial set to **A** and **COMMAND** selected for  **Fn BUTTON/DIAL SETTING** > **ISO DIAL SETTING (A)**.

 **COMMAND DIAL SETTING** can also be accessed by pressing and holding the center of the front command dial, or you can press the center of the front command dial to cycle through settings in the order **FRONT COMMAND DIAL 1**, **FRONT COMMAND DIAL 2**, and **FRONT COMMAND DIAL 3**.

**ISO DIAL SETTING (H)**

Choose the ISO sensitivity assigned to the **H** position on the sensitivity dial.

Options	
25600	
	51200

**ISO DIAL SETTING (L)**

Choose the ISO sensitivity assigned to the **L** position on the sensitivity dial.

Options		
100		
	125	
		160

**ISO DIAL SETTING (A)**

Choose how sensitivity is adjusted when the sensitivity dial is rotated to **A**.

Option	Description
<b>AUTO</b>	Sensitivity is automatically adjusted in response to shooting conditions according to option chosen for <b>SHOOTING SETTING &gt; ISO AUTO SETTING</b> . Choose from <b>AUTO1</b> , <b>AUTO2</b> , and <b>AUTO3</b> .
<b>COMMAND</b>	Sensitivity is adjusted manually by rotating the front command dial.

## SHUTTER AF

Choose whether the camera focuses when the shutter button is pressed halfway.

Option	Description
AF-S	<ul style="list-style-type: none"><li><b>ON</b>: Focus locks when the shutter button is pressed halfway.</li><li><b>OFF</b>: No focus operation is performed when the shutter button is pressed halfway.</li></ul>
AF-C	<ul style="list-style-type: none"><li><b>ON</b>: The camera focuses while the shutter button is pressed halfway.</li><li><b>OFF</b>: No focus operation is performed when the shutter button is pressed halfway.</li></ul>

## SHUTTER AE

If **ON** is selected, exposure will lock while the shutter button is pressed halfway.

Option	Description
AF-S/MF	<ul style="list-style-type: none"><li><b>ON</b>: Exposure locks when the shutter button is pressed halfway.</li><li><b>OFF</b>: Exposure does not lock when the shutter button is pressed halfway.</li></ul>
AF-C	<ul style="list-style-type: none"><li><b>ON</b>: Exposure locks while the shutter button is pressed halfway.</li><li><b>OFF</b>: Exposure does not lock when the shutter button is pressed halfway.</li></ul>

 Select **OFF** to allow the camera to adjust exposure before each shot taken in burst mode.

## SHOOT WITHOUT LENS

Choose **ON** to enable the shutter release when no lens is attached.

Options
ON
OFF

## SHOOT WITHOUT CARD

Choose whether the shutter can be released without a memory card inserted in the camera.

Option	Description
<b>ON</b>	When no memory card is inserted, the shutter can be released to test camera function and the shooting and setup menus can be displayed.
<b>OFF</b>	The shutter is disabled if no memory card is inserted, preventing accidental loss of pictures taken without a memory card.

## FOCUS RING

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

Options
↻ CW (clockwise)
↺ CCW (counterclockwise)

## FOCUS RING OPERATION

Choose how the camera adjusts focus in response to the movement of the focus ring.

Option	Description
<b>NONLINEAR</b>	Focus speed is not affected by the speed at which the ring is rotated.
<b>LINEAR</b>	Focus speed changes linearly with the speed at which the ring is rotated.

## AE/AF-LOCK MODE

This option determines the behavior of the button to which exposure and/or focus lock is assigned. If **AE & AF ON WHEN PRESSING** is selected, exposure and/or focus will lock while the button is pressed. If **AE & AF ON/OFF SWITCH** is selected, exposure and/or focus will lock when the button is pressed and remain locked until it is pressed again.

Options
<b>AE&amp;AF ON WHEN PRESSING</b>
<b>AE&amp;AF ON/OFF SWITCH</b>

## EXPO. COMP. BUTTON SETTING

Control the behavior of the rear command dial and the button to which exposure compensation is assigned. If  **ON WHEN PRESSING** is selected, exposure compensation can be adjusted by holding the button while rotating dial; if  **ON/OFF SWITCH** is selected, exposure compensation can be set by pressing the button once, rotating the dial, and then pressing the button again.

Options	
<b>ON WHEN PRESSING</b>	
	<b>ON/OFF SWITCH</b>

## APERTURE RING SETTING (A)

Choose whether the front command dial can be used to adjust aperture when aperture is set to **A** (auto).

Options	Description
<b>AUTO</b>	The camera adjusts aperture automatically.
<b>COMMAND</b>	Aperture can be adjusted using the front command dial.

## APERTURE SETTING

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

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

## TOUCH SCREEN SETTING

Enable or disable touch-screen controls.

Option	Description
<b>TOUCH SCREEN ON/OFF</b>	<ul style="list-style-type: none"> <li><b>ON</b>: Touch controls enabled; the LCD monitor functions as a touch screen.</li> <li><b>OFF</b>: Touch controls disabled; the LCD monitor cannot be used as a touch screen.</li> </ul>
<b>EVF TOUCH SCREEN AREA SETTINGS</b>	Select the area of the LCD monitor used for touch controls while the viewfinder is active, or choose <b>OFF</b> to disable touch controls while the viewfinder is active. The area used for touch controls can be selected from <input type="checkbox"/> (all), <input type="checkbox"/> (right half), <input type="checkbox"/> (top right quarter), <input type="checkbox"/> (bottom right quarter), <input type="checkbox"/> (left half), <input type="checkbox"/> (top left quarter), and <input type="checkbox"/> (bottom left quarter).

## LOCK

Lock selected controls to prevent unintended operation.

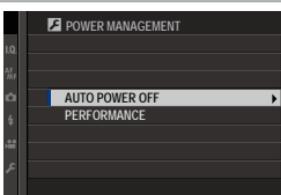
Options	Description
<b>LOCK SETTING</b>	Choose from the following: <ul style="list-style-type: none"> <li><b>UNLOCK</b>: Reset lock options.</li> <li><b>ALL FUNCTION</b>: Lock all controls in the <b>FUNCTION SELECTION</b> list.</li> <li><b>SELECTED FUNCTION</b>: Lock only the controls selected in the <b>FUNCTION SELECTION</b> list.</li> </ul>
<b>FUNCTION SELECTION</b>	Choose the controls locked when <b>SELECTED FUNCTION</b> is chosen for <b>LOCK SETTING</b> .



## POWER MANAGEMENT

Adjust power management settings.

To access power management settings, press **MENU/OK**, select the  (SET UP) tab, and choose **POWER MANAGEMENT**.



### AUTO POWER OFF

Choose the length of time before the camera turns off automatically when no operations are performed. Shorter times increase battery life; if **OFF** is selected, the camera must be turned off manually.

Options					
5 MIN	2 MIN	1 MIN	30 SEC	15 SEC	OFF

### PERFORMANCE

Select **BOOST** to improve focus and viewfinder display performance.

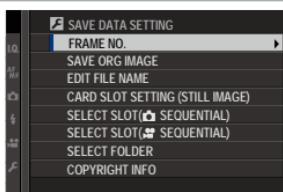
Option	AF performance (speed)	Viewfinder display quality	Viewfinder frame rate (approx.)
<b>BOOST</b>	Fast	High	100 fps
<b>NORMAL</b>	Normal	Normal	60 fps



## SAVE DATA SETTING

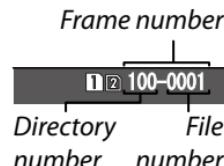
Make changes to file management settings.

To access file management settings, press **MENU/OK**, select the **F (SET UP)** tab, and choose **SAVE DATA SET-UP**.



### FRAME NO.

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. **FRAME NO.** controls whether file numbering is reset to 0001 when a new memory card is inserted or the current memory card is formatted.



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.

**?** If the frame number reaches 999-9999, the shutter release will be disabled. Format the memory card after transferring to a computer any pictures you wish to keep.

Selecting **F USER SETTING > RESET** sets **FRAME NO.** to **CONTINUOUS** but does not reset the file number.

Frame numbers for pictures taken with other cameras may differ.

## SAVE ORG IMAGE

Choose **ON** to save unprocessed copies of pictures taken using **RED EYE REMOVAL**.

Options	
<b>ON</b>	
	<b>OFF</b>

## EDIT FILE NAME

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.

Option	Default prefix	Sample file name
<b>sRGB</b>	DSCF	ABCD0001
<b>AdobeRGB</b>	_DSF	_ABC0001

## CARD SLOT SETTING (STILL IMAGE)

Choose the role played by the card in the second slot.

Option	Description
<b>SEQUENTIAL</b>	The card in the second slot is used only when the card in the first slot is full.
<b>BACKUP</b>	Each picture is recorded twice, once to each card.
<b>RAW / JPEG</b>	As for <b>SEQUENTIAL</b> , except that the RAW copy of pictures taken with <b>FINE+RAW</b> or <b>NORMAL+RAW</b> selected for <b>IMAGE QUALITY SETTING &gt; IMAGE QUALITY</b> will be saved to the card in the first slot and the JPEG copy to the card in the second slot.

## SELECT SLOT (SEQUENTIAL)

Choose the card that is recorded to first when **SEQUENTIAL** is selected for **CARD SLOT SETTING (STILL IMAGE)**.

Options	
<b>SLOT 1</b>	
	<b>SLOT 2</b>

**SELECT SLOT (SEQUENTIAL)**

Choose the slot used to store movies.

Options	
SLOT 1	SLOT 2

**SELECT FOLDER**

Create folders and choose the folder used to store subsequent pictures.

**SELECT FOLDER**

To choose the folder in which subsequent pictures will be stored, press the selector up or down to highlight an existing folder and press **MENU/OK**.

**CREATE FOLDER**

Enter a five-character folder name to create a new folder in which to store subsequent pictures.

**COPYRIGHT INFO**

Copyright information, in the form of Exif tags, can be added to new images as they are taken. Changes to copyright information are reflected only in images taken after the changes are made.

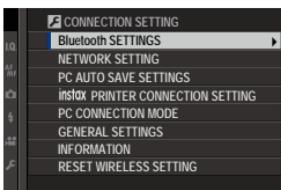
Option	Description
<b>DISP COPYRIGHT INFO</b>	View the current copyright information.
<b>ENTER AUTHOR'S INFO</b>	Enter the creator's name.
<b>ENTER COPYRIGHT INFO</b>	Enter the name of the copyright holder.
<b>DELETE COPYRIGHT INFO</b>	Delete the current copyright information. This change applies only to images taken after this option is selected; copyright information recorded with existing images is not affected.



## CONNECTION SETTING

Adjust settings for connection to other devices.

To access connection settings, press **MENU/OK**, select the  (SET UP) tab, and choose **CONNECTION SETTING**.



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

### Bluetooth SETTINGS

Adjust Bluetooth settings.

Option	Description
PAIRING REGISTRATION	To pair the camera with a smartphone or tablet, select this option, then launch FUJIFILM Camera Remote on the smart device and tap <b>PAIRING REGISTRATION</b> .
DELETE PAIRING REG.	End pairing.
Bluetooth ON/OFF	<ul style="list-style-type: none"><li><b>ON</b>: The camera automatically establishes a Bluetooth connection with paired devices when turned on.</li><li><b>OFF</b>: The camera does not connect via Bluetooth.</li></ul>
AUTO IMAGE TRANSFER	<ul style="list-style-type: none"><li><b>ON</b>: Mark photos for upload as they are taken.</li><li><b>OFF</b>: Photos are not marked for upload as they are taken, but JPEG images can be selected for upload using the <b>IMAGE TRANSFER ORDER</b> option in the playback menu.</li></ul>

 Install the latest version of the FUJIFILM Camera Remote app on your smartphone or tablet before pairing the device with your camera or uploading images.

When **ON** is selected for both **Bluetooth ON/OFF** and **AUTO IMAGE TRANSFER** or images are currently selected for upload using the **IMAGE TRANSFER ORDER** option in the  (playback) menu, upload to paired devices will begin shortly after you exit to playback or turn the camera off. **IMAGE TRANSFER ORDER** can also be used to select pictures for upload when **AUTO IMAGE TRANSFER** is off.

## NETWORK SETTING

Adjust settings for connection to wireless networks.

Option	Description
WIRELESS ACCESS POINT SETTING	<ul style="list-style-type: none"> <li><b>SIMPLE SETUP:</b> Connect to an access point using simple settings.</li> <li><b>MANUAL SETUP:</b> Manually adjust settings for connection to a wireless network. Choose the network from a list (<b>SELECT FROM NETWORK LIST</b>) or enter the name manually (<b>ENTER SSID</b>).</li> </ul>
WIRELESS IP ADDRESS SETTING	<ul style="list-style-type: none"> <li><b>AUTO:</b> The IP address is assigned automatically.</li> <li><b>MANUAL:</b> Assign an IP address manually. Manually choose the IP address (<b>IP ADDRESS</b>), network mask (<b>NETMASK</b>), and gateway address (<b>GATEWAY ADDRESS</b>).</li> </ul>

## PC AUTO SAVE

Adjust settings for connection to computers via wireless LAN.

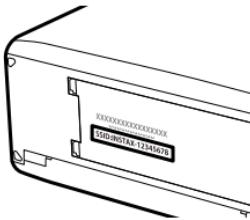
Option	Description
PC AUTO SAVE SETTING	<p>Choose the method used for connection to computers via a wireless LAN.</p> <ul style="list-style-type: none"> <li><b>SIMPLE SETUP:</b> Connect using WPS.</li> <li><b>MANUAL SETUP:</b> Choose the network from a list (<b>SELECT FROM NETWORK LIST</b>) or enter the name manually (<b>ENTER SSID</b>).</li> </ul>
DELETE REGISTERED DESTINATION PC	Remove selected destinations.
DETAILS OF PREVIOUS CONNECTION	View computers to which the camera has recently connected.

## instax PRINTER CONNECTION SETTING

Adjust settings for connection to optional FUJIFILM instax SHARE printers.

### 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.



## PC CONNECTION MODE

Adjust settings for connection to a computer.

Option	Description
<b>USB CARD READER</b>	Connecting the camera to a computer via USB automatically enables data transfer mode, allowing data to be copied to the computer. The camera functions normally when not connected.
<b>USB TETHER SHOOTING AUTO</b>	Connecting the camera to a computer via USB automatically enables tethered shooting mode. You can also use FUJIFILM X Acquire to save and load camera settings, allowing you to reconfigure the camera in an instant or share settings with other cameras of the same type. The camera functions normally when not connected.
<b>USB TETHER SHOOTING FIXED</b>	The camera functions in tethered shooting mode even when not connected to a computer. At default settings, pictures are not saved to the memory card, but pictures taken while the camera is not connected will be transferred to the computer when it is connected.
<b>WIRELESS TETHER SHOOTING FIXED</b>	Choose this option for wireless remote photography. Select a network using <b>CONNECTION SETTING &gt; NETWORK SETTING</b> .
<b>USB RAW CONV.</b>	Connecting the camera to a computer via USB automatically enables USB raw conversion mode, allowing FUJIFILM X RAW STUDIO to use the camera's image processing engine to rapidly convert RAW files to high-quality JPEG images. The camera functions normally when not connected.

 **CONNECTION SETTING > POWER MANAGEMENT > AUTO POWER OFF** settings also apply during tethered shooting. Select **OFF** to prevent the camera turning off automatically.

 Tethered shooting is available with software such as [Hyper-Utility Software](#) HS-V5 (available separately) or FUJIFILM X Acquire (available for free download from the FUJIFILM website) or when the FUJIFILM Tether Shooting Plug-in PRO or Tether Shooting Plug-in (both available separately) is used with [Adobe® Photoshop® Lightroom®](#).

## GENERAL SETTINGS

Adjust settings for connection to wireless networks.

Option	Description
<b>NAME</b>	Choose a name ( <b>NAME</b> ) to identify the camera on the wireless network (the camera is assigned a unique name by default).
<b>RESIZE IMAGE FOR SMARTPHONE 3M</b>	Choose <b>ON</b> (the default setting, recommended in most circumstances) to resize larger images to <b>3M</b> 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.
<b>GEOTAGGING</b>	Choose whether location data downloaded from a smartphone are embedded in pictures as they are taken.
<b>LOCATION INFO</b>	Display the location data last downloaded from a smartphone.
<b>Wi-Fi BUTTON SETTING</b>	Choose the role played by function buttons assigned the <b>WIRELESS COMMUNICATION</b> function. <ul style="list-style-type: none"> <li>• <b>* PAIRING/TRANSFER ORDER</b>: The buttons can be used for pairing and selecting images for transfer.</li> <li>• <b>Wi-Fi WIRELESS COMMUNICATION</b>: The buttons can be used for wireless connections.</li> </ul>

## INFORMATION

View the camera's MAC and Bluetooth address.

## RESET WIRELESS SETTING

Restore wireless settings to their default values.

# 9

## Shortcuts

## Shortcut Options

Customize camera controls to suit your style or situation.

Frequently-used options can be added to the **Q** menu or a custom “my” menu or assigned to an **Fn** (function) button for direct access:

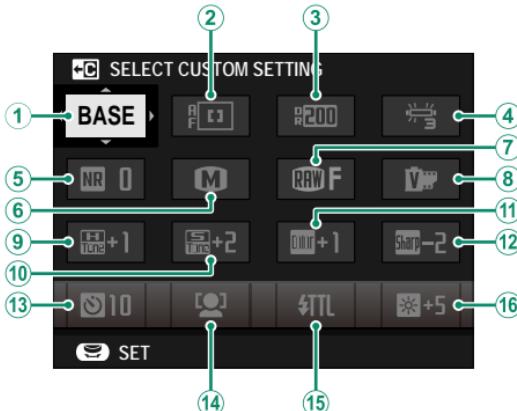
- **The Q menu** (213): The **Q** menu is displayed by pressing the **Q** button. Use the **Q** menu to view or change the options selected for frequently-used menu items.
- **“My menu”** (220): Add frequently-used options to this custom menu, which can be viewed by pressing **MENU/OK** and selecting the **MY** (“MY MENU”) tab.
- **The function buttons** (216): Use the function buttons for direct access to selected features.

# The Q (Quick Menu) Button

Press **Q** for quick access to selected options.

## The Quick Menu Display

At default settings, the quick menu contains the following items:



- ① SELECT CUSTOM SETTING
- ② AF MODE
- ③ DYNAMIC RANGE
- ④ WHITE BALANCE
- ⑤ NOISE REDUCTION
- ⑥ IMAGE SIZE
- ⑦ IMAGE QUALITY
- ⑧ FILM SIMULATION

- ⑨ HIGHLIGHT TONE
- ⑩ SHADOW TONE
- ⑪ COLOR
- ⑫ SHARPNESS
- ⑬ SELF-TIMER
- ⑭ FACE/EYE DETECTION SETTING
- ⑮ FLASH FUNCTION SETTING
- ⑯ EVF/LCD BRIGHTNESS

The quick menu shows the options currently selected for items ②–⑯, which can be changed as described on page 215.

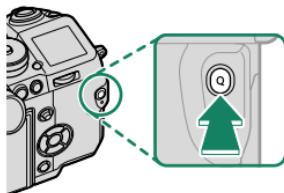
### SELECT CUSTOM SETTING

The **IMAGE QUALITY SETTING** > **SELECT CUSTOM SETTING** item (item ①) shows the current custom settings bank:

- **BASE**: No custom settings bank selected.
- **C1–C7**: Select a bank to view the settings saved using the **IMAGE QUALITY SETTING** > **EDIT/SAVE CUSTOM SETTING** option.
- **BASE**–**C1–C7**: The current custom settings bank.

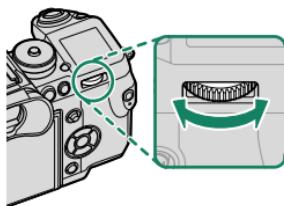
## Viewing and Changing Settings

- 1 Press **Q** to display the quick menu during shooting.



- 2 Use the selector to highlight items and rotate the rear command dial to change.

 Changes are not saved to the current settings bank. Settings that differ from those in the current settings bank (**C1–C7**) are shown in red.



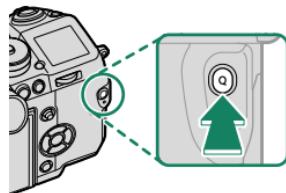
- 3 Press **Q** to exit when settings are complete.

 The quick menu can also be edited using touch controls.

## Editing the Quick Menu

To choose the items displayed in the quick menu:

- 1 Press and hold the **Q** button during shooting.



- 2 The current quick menu will be displayed; use the selector to highlight the item you wish to change and press **MENU/OK**.
- 3 Highlight any of the following options and press **MENU/OK** to assign it to the selected position.

- IMAGE SIZE
- IMAGE QUALITY
- FILM SIMULATION\*
- GRAIN EFFECT\*
- DYNAMIC RANGE\*
- **D RANGE PRIORITY\***
- WHITE BALANCE\*
- HIGHLIGHT TONE\*
- SHADOW TONE\*
- COLOR\*
- SHARPNESS\*
- NOISE REDUCTION\*
- SELECT CUSTOM SETTING\*
- **AF MODE (MOVIE AF MODE)**
- **AF-C CUSTOM SETTINGS**
- FACE/EYE DETECTION SETTING
- MF ASSIST
- TOUCH SCREEN MODE
- SELF-TIMER
- SHUTTER TYPE
- FLASH FUNCTION SETTING
- FLASH COMPENSATION
- MOVIE MODE
- FULL HD HIGH SPEED REC
- FLICKER REDUCTION
- INTERNAL/EXTERNAL MIC LEVEL ADJUSTMENT
- EVF/LCD BRIGHTNESS
- EVF/LCD COLOR
- NONE

\* Stored in custom settings bank.

 Select **NONE** to assign no option to the selected position. When **SELECT CUSTOM SETTING** is selected, current settings are shown in the quick menu by the label **BASE**.

 The quick menu can also be edited using **BUTTON/DIAL SETTING > EDIT/SAVE QUICK MENU**.

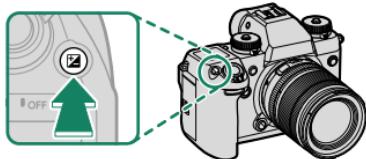
## The Fn (Function) Buttons

Assign a role to the function buttons for quick access to the selected feature.

 The functions assigned to **T-Fn1** through **T-Fn4** can be accessed by flicking the monitor.

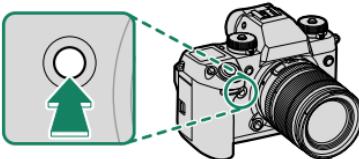
The default assignments are:

**Fn1 button**



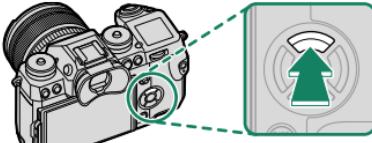
*Exposure compensation*

**Fn2 button**



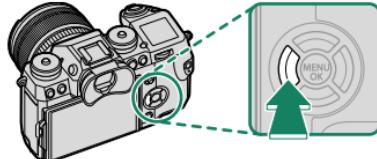
*Drive settings*

**Fn3 button**



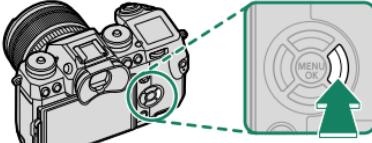
*AF mode*

**Fn4 button**



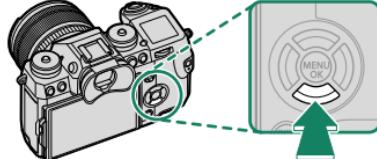
*Film simulation*

**Fn5 button**

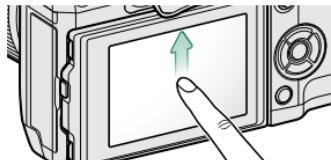
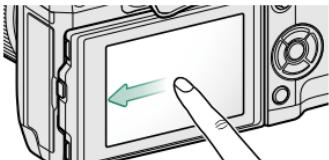
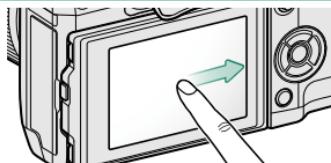
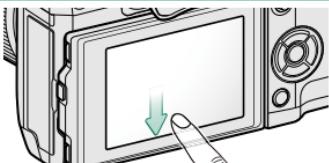
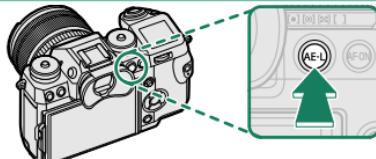
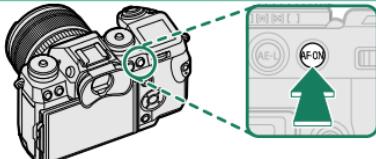
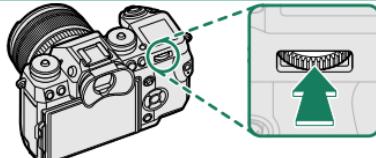


*White balance*

**Fn6 button**



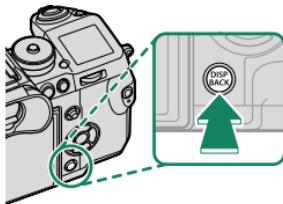
*Performance*

**T-Fn1 (flick up)***Histogram***T-Fn2 (flick left)***Preview depth of field***T-Fn3 (flick right)***Internal/external mic level adjustment***T-Fn4 (flick down)***Electronic level***AE-L button***AE lock only***AF-ON button***AF-ON***Center of rear command dial***Focus check*

## Assigning Roles to the Function Buttons

To assign roles to the buttons:

- 1 Press and hold the **DISP/BACK** button until a **control** selection menu is displayed.



- 2 Highlight a **control** and press **MENU/OK**.
- 3 Highlight the desired role and press **MENU/OK** to assign it to the selected **control**. Choose from:

- EXPO. COMP.
- IMAGE SIZE
- IMAGE QUALITY
- RAW
- FILM SIMULATION
- GRAIN EFFECT
- DYNAMIC RANGE
- **D RANGE PRIORITY**
- WHITE BALANCE
- SELECT CUSTOM SETTING
- FOCUS AREA
- FOCUS CHECK
- AF MODE
- **AF-C CUSTOM SETTINGS**
- FACE/EYE DETECTION SETTING
- **DRIVE SETTING**
- SELF-TIMER
- **SHUTTER TYPE**
- ISO AUTO SETTING
- **MULTI EXPOSURE**
- WIRELESS COMMUNICATION
- FLASH FUNCTION SETTING
- TTL-LOCK
- MODELING FLASH
- **FULL HD HIGH SPEED REC**
- FLICKER REDUCTION
- INTERNAL/EXTERNAL MIC LEVEL ADJUSTMENT
- **MOVIE SILENT CONTROL**
- PREVIEW DEPTH OF FIELD
- PREVIEW EXP/WB IN MANUAL MODE
- **NATURAL LIVE VIEW**
- HISTOGRAM
- ELECTRONIC LEVEL
- AE LOCK ONLY
- AF LOCK ONLY
- AE/AF LOCK
- AF-ON
- APERTURE SETTING
- PERFORMANCE
- AUTO IMAGE TRANSFER
- Bluetooth ON/OFF
- **PLAYBACK**
- NONE (control disabled)

 Button assignments can also be selected using **FUNCTION (Fn) SETTING**. The selector cannot be assigned more than one role at a time.

**EXPO. COMP., AE LOCK ONLY, AF LOCK ONLY, AE/AF LOCK, and AF-ON** cannot be assigned to the touch function buttons (**T-Fn1** through **T-Fn4**).

## AF-ON

If **AF-ON** is selected, you can press the control instead of keeping the shutter button pressed halfway.

## MODELING FLASH

If **MODELING FLASH** is selected when a compatible shoe-mounted flash unit is attached, you can press the control to test-fire the flash and check for shadows and the like (modeling flash).

## TTL-LOCK

If **TTL-LOCK** is selected, you can press the control to lock flash output according to the option selected for **FLASH SETTING > TTL-LOCK MODE** (135).



## MY MENU

Access a personalized menu of frequently-used options.

To display “my menu”, press **MENU/OK** in the shooting display and select the **MY (MY MENU)** tab.



The **MY** tab is only available if options have been assigned to **MY MENU**.

### MY MENU SETTING

To choose the items listed in the **MY (MY MENU)** tab:

- 1 Highlight **USER SETTING** > **MY MENU SETTING** in the **(SET UP)** tab and press **MENU/OK** to display the options at right.



- 2 Press the selector up or down to highlight **ADD ITEMS** and press **MENU/OK**. Options that can be added to “my menu” are highlighted in blue.



Items currently in “my menu” are indicated by check marks.

3 Highlight an item and press **MENU/OK** to add it to "my menu".



4 Press **MENU/OK** to return to the edit display.

5 Repeat Steps 3 and 4 until all the desired items have been added.



"My menu" can contain up to 16 items.

#### Editing "My Menu"

To reorder or delete items, select **RANK ITEMS** or **REMOVE ITEMS** in Step 1.

## MEMO

# 10

## Peripherals and Optional Accessories

## External Flash Units

Flash units can be mounted on the hot shoe or connected via the sync terminal.

Optional external flash units are more powerful than the EF-X8 supplied with the camera. Some support high-speed sync (FP) and can be used at shutter speeds faster than the sync speed, while others can function as master flash units controlling remote units via optical wireless flash control.

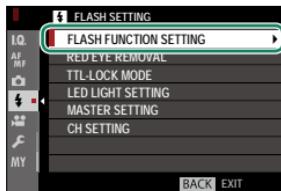
### Red-Eye Removal

Red-eye removal is available when an option other than **OFF** is selected for **setFlashSetting** > **RED EYE REMOVAL** and a “FACE ON” option is selected for **afMfSetting** > **FACE/EYE DETECTION SETTING**. Red-eye removal minimizes “red-eye” caused when light from the flash is reflected from the subject’s retinas.

## Using an External Flash

To adjust settings for a flash unit mounted on the hot shoe or connected via the sync terminal:

- 1 Connect the unit to the camera.
- 2 In shooting mode, select **FLASH FUNCTION SETTING** in the **FLASH SETTING** menu tab. The options available vary with the flash unit.



Menu	Description	
<b>SUPPLIED FLASH</b>	Displayed when the supplied EF-X8 flash unit is mounted on the hot shoe and raised.	92
<b>SYNC TERMINAL</b>	Adjust settings for flash units connected via the sync terminal. <b>SYNC TERMINAL</b> is displayed if the EF-X8 is lowered and either no flash unit, or an incompatible flash unit, is mounted on the hot shoe.	227
<b>SHOE MOUNT FLASH</b>	Displayed when an optional flash unit is mounted on the hot shoe and turned on.	228
<b>MASTER (OPTICAL)</b>	Displayed if an optional flash unit functioning as a master flash for FUJIFILM optical wireless remote flash control is connected and turned on.	231

- 3 Highlight items using the selector and rotate the rear command dial to change the highlighted setting.



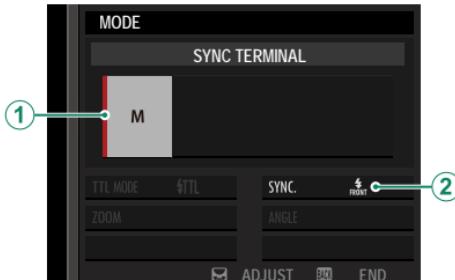
- 4 Press **DISP/BACK** to put the changes into effect.

## SUPPLIED FLASH

See “Flash Photography” ( 92) for information on using the supplied EF-X8 shoe-mounted flash unit.

## SYNC TERMINAL

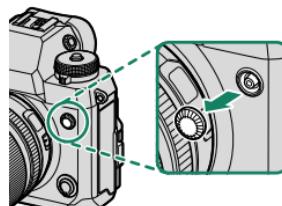
Adjust settings for flash units connected via the sync terminal. **SYNC TERMINAL** is displayed if the EF-X8 is lowered and either no flash unit, or an incompatible flash unit, is mounted on the hot shoe.



Setting	Description
① Flash control mode	Choose from the following options: <ul style="list-style-type: none"><li>• <b>M</b>: A trigger signal is transmitted via the hot shoe X contacts when a picture is taken. Choose a shutter speed slower than the sync speed; even slower speeds may be required if the unit uses long flashes or has a slow response time.</li><li>• <b>OFF (OFF)</b>: The trigger signal is disabled.</li></ul>
② Sync	Choose whether the flash is timed to fire immediately after the shutter opens ( <b>FRONT/1ST CURTAIN</b> ) or immediately before it closes ( <b>REAR/2ND CURTAIN</b> ). <b>1ST CURTAIN</b> is recommended in most circumstances.

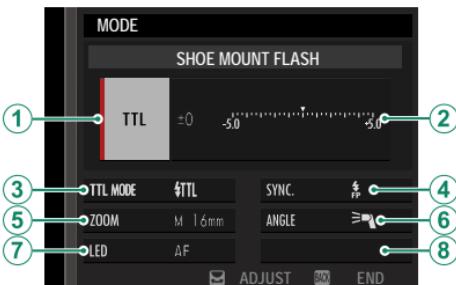
### The Sync Terminal

Use the sync terminal to connect flash units that require a sync cable.



## SHOE MOUNT FLASH

The following options are available when an optional shoe-mounted flash unit is attached and turned on.



Setting	Description
① Flash control mode	<p>The flash control mode selected with the flash unit. This can in some cases be adjusted from the camera; the options available vary with the flash.</p> <ul style="list-style-type: none"><li>• <b>TTL:</b> TTL mode. Adjust flash compensation (②).</li><li>• <b>M:</b> The flash fires at the selected output regardless of subject brightness or camera settings. Output in some cases can be adjusted from the camera (②).</li><li>• <b>MULTI:</b> Repeating flash. Compatible shoe-mounted flash units will fire multiple times with each shot.</li><li>• <b>OFF (OFF):</b> The flash does not fire. Some flash units can be turned off from the camera.</li></ul>

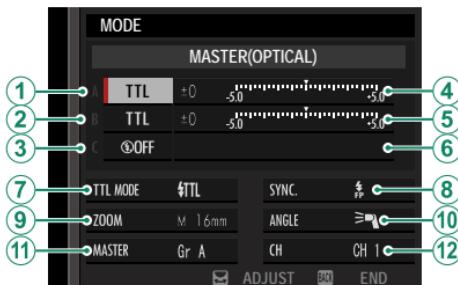
Setting	Description
(2) Flash compensation/output	<p>The options available vary with flash control mode.</p> <ul style="list-style-type: none"> <li>• <b>TTL</b>: Adjust flash compensation (the full value may not be applied if the limits of the flash control system are exceeded). In the cases of the EF-X20, EF-20, and EF-42, the selected value is added to the value selected with the flash unit.</li> <li>• <b>M/MULTI</b>: Adjust flash output (compatible units only). Choose from values expressed as fractions of full power, from <math>\frac{1}{1}</math> (mode <b>M</b>) or <math>\frac{1}{4}</math> (<b>MULTI</b>) down to <math>\frac{1}{512}</math> in increments equivalent to <math>\frac{1}{3}</math> EV. The desired results may not be achieved at low values if they exceed the limits of the flash control system; take a test shot and check the results.</li> </ul>
(3) Flash mode (TTL)	<p>Choose a flash mode for TTL flash control. The options available vary with the shooting mode (<b>P</b>, <b>S</b>, <b>A</b>, or <b>M</b>) selected.</p> <ul style="list-style-type: none"> <li>• <b>TTL (FLASH AUTO)</b>: The flash fires only as required; flash level is adjusted according to subject brightness. A  icon displayed when the shutter button is pressed halfway indicates that the flash will fire when the photo is taken.</li> <li>• <b>TTL (STANDARD)</b>: The flash fires with every shot if possible; flash level is adjusted according to subject brightness. The flash will not fire if not fully charged when the shutter is released.</li> <li>• <b>TTL SLOW (SLOW SYNC.)</b>: Combine the flash with slow shutter speeds when photographing portrait subjects against a backdrop of night scenery. The flash will not fire if not fully charged when the shutter is released.</li> </ul>
(4) Sync	<p>Control flash timing.</p> <ul style="list-style-type: none"> <li>• <b>FRONT (1ST CURTAIN)</b>: The flash fires immediately after the shutter opens (generally the best choice).</li> <li>• <b>REAR (2ND CURTAIN)</b>: The flash fires immediately before the shutter closes.</li> <li>• <b>AUTO FP(HSS)</b>: High-speed sync (compatible units only). The camera automatically engages front-curtain high-speed sync at shutter speeds faster than the flash sync speed. Equivalent to <b>1ST CURTAIN</b> when <b>MULTI</b> is selected for flash control mode.</li> </ul>

Setting	Description
(5) Zoom	The angle of illumination (flash coverage) for units that support flash zoom. Some units allow the adjustment to be made from the camera. If <b>AUTO</b> is selected, zoom will automatically be adjusted to match coverage to lens focal length.
(6) Lighting	If the unit supports this feature, choose from: <ul style="list-style-type: none"><li>• <b>= (FLASH POWER PRIORITY)</b>: Gain range by slightly reducing coverage.</li><li>• <b>= (STANDARD)</b>: Match coverage to picture angle.</li><li>• <b>= (EVEN COVERAGE PRIORITY)</b>: Slightly increase coverage for more even lighting.</li></ul>
(7) LED light	Choose how the built-in LED light functions during still photography (compatible units only): as a catchlight (👁/ <b>CATCHLIGHT</b> ), as an AF-assist illuminator ( <b>AF/AF ASSIST</b> ), or as both a catchlight and an AF-ASSIST illuminator ( <b>AF/AF ASSIST+CATCHLIGHT</b> ). Choose <b>OFF</b> to disable the LED during photography.
(7) Number of flashes*	Choose the number of times the flash fires each time the shutter is released in <b>MULTI</b> mode.
(8) Frequency*	Choose the frequency at which the flash fires in <b>MULTI</b> mode.

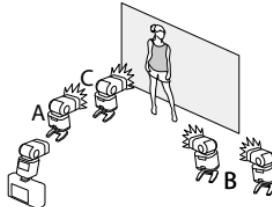
\* Full value may not be applied if limits of flash control system are exceeded.

## MASTER(OPTICAL)

The options will be displayed if the unit is currently functioning as master flash for FUJIFILM optical wireless remote flash control.



The master and remote units can be placed in up to three groups (A, B, and C) and flash mode and flash level adjusted separately for each group. Four channels are available for communication between the units; separate channels can be used for different flash systems or to prevent interference when multiple systems are operating in close proximity.



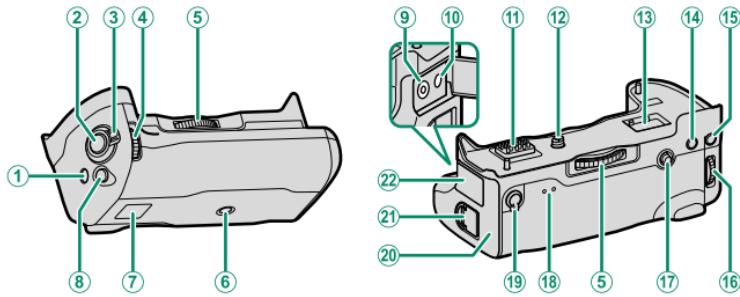
Setting	Description
<b>①</b> Flash control mode (group A)	Choose flash control modes for groups A, B, and C. <b>TTL%</b> is available for groups A and B only. <ul style="list-style-type: none"><li>• <b>TTL</b>: The units in the group fire in TTL mode. Flash compensation can be adjusted separately for each group.</li><li>• <b>TTL%</b>: If <b>TTL%</b> is selected for either group A or B, you can specify the output of the selected group as a percentage of the other and adjust overall flash compensation for both groups.</li></ul>
<b>②</b> Flash control mode (group B)	<ul style="list-style-type: none"><li>• <b>M</b>: In mode <b>M</b>, the units in the group fire at the selected output (expressed as a fraction of full power) regardless of subject brightness or camera settings.</li></ul>
<b>③</b> Flash control mode (group C)	<ul style="list-style-type: none"><li>• <b>MULTI</b>: Choosing <b>MULTI</b> for any group sets all the units in all groups to repeating flash mode. All units will fire multiple times with each shot.</li><li>• <b>OFF (OFF)</b>: If <b>OFF</b> is selected, the units in the group will not fire.</li></ul>
<b>④</b> Flash compensation/ output (group A)	Adjust flash level for the selected group according to option selected for flash control mode. Note that the full value may not be applied if the limits of the flash control system are exceeded.
<b>⑤</b> Flash compensation/ output (group B)	<ul style="list-style-type: none"><li>• <b>TTL</b>: Adjust flash compensation.</li></ul>
<b>⑥</b> Flash compensation/ output (group C)	<ul style="list-style-type: none"><li>• <b>M/MULTI</b>: Adjust flash output.</li><li>• <b>TTL%</b>: Choose the balance between groups A and B and adjust overall flash compensation.</li></ul>

Setting	Description
(7) Flash mode (TTL)	<p>Choose a flash mode for TTL flash control. The options available vary with the shooting mode (<b>P</b>, <b>S</b>, <b>A</b>, or <b>M</b>) selected.</p> <ul style="list-style-type: none"> <li>• <b>FLASH AUTO</b>: The flash fires only as required; flash level is adjusted according to subject brightness. A  icon displayed when the shutter button is pressed halfway indicates that the flash will fire when the photo is taken.</li> <li>• <b>STANDARD</b>: The flash fires with every shot if possible; flash level is adjusted according to subject brightness. The flash will not fire if not fully charged when the shutter is released.</li> <li>• <b>SLOW SYNC.</b>: Combine the flash with slow shutter speeds when photographing portrait subjects against a backdrop of night scenery. The flash will not fire if not fully charged when the shutter is released.</li> </ul>
(8) Sync	<p>Control flash timing.</p> <ul style="list-style-type: none"> <li>• <b>1ST CURTAIN</b>: The flash fires immediately after the shutter opens (generally the best choice).</li> <li>• <b>2ND CURTAIN</b>: The flash fires immediately before the shutter closes.</li> <li>• <b>AUTO FP(HSS)</b>: High-speed sync (compatible units only). The camera automatically engages front-curtain high-speed sync at shutter speeds faster than the flash sync speed. Equivalent to <b>1ST CURTAIN</b> when <b>MULTI</b> is selected for flash control mode.</li> </ul>
(9) Zoom	<p>The angle of illumination (flash coverage) for units that support flash zoom. Some units allow the adjustment to be made from the camera. If <b>AUTO</b> is selected, zoom will automatically be adjusted to match coverage to lens focal length.</p>

Setting	Description
(10) Lighting	<p>If the unit supports this feature, choose from:</p> <ul style="list-style-type: none"> <li>•  <b>(FLASH POWER PRIORITY)</b>: Gain range by slightly reducing coverage.</li> <li>•  <b>(STANDARD)</b>: Match coverage to picture angle.</li> <li>•  <b>(EVEN COVERAGE PRIORITY)</b>: Slightly increase coverage for more even lighting.</li> </ul>
(11) Master	<p>Assign the master flash to group A (<b>Gr A</b>), B (<b>Gr B</b>), or C (<b>Gr C</b>). If <b>OFF</b> is selected, output from the master flash will be held to a level that does not affect the final picture. Available only if the unit is mounted on the camera hot shoe as a master flash for FUJIFILM optical wireless remote flash control in <b>TTL</b>, <b>TTL%</b>, or <b>M</b> mode.</p>
(11) Number of flashes	<p>Choose the number of times the flash fires each time the shutter is released in <b>MULTI</b> mode.</p>
(12) Channel	<p>Choose the channel used by the master flash for communication with the remote flash units. Separate channels can be used for different flash systems or to prevent interference when multiple systems are operating in close proximity.</p>
(12) Frequency	<p>Choose the frequency at which the flash fires in <b>MULTI</b> mode.</p>

## Vertical Power-Booster Grips

The VPB-XH1 vertical power-booster grip can be used to supplement the camera battery or when holding the camera rotated to take pictures in portrait ("tall") orientation.

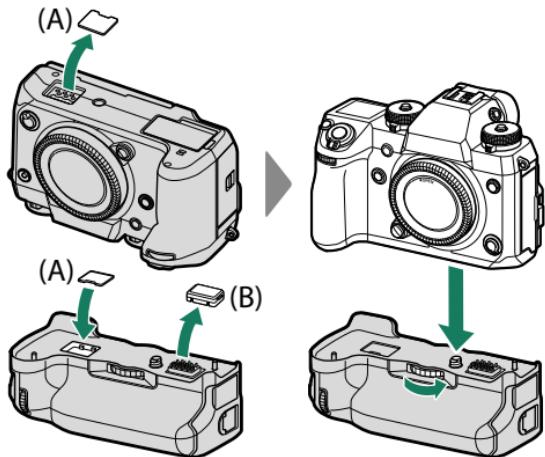


- ① **Q** (quick menu) button
- ② Shutter button
- ③ Control lock
- ④ Front command dial/  
role selection button
- ⑤ Lock screw knob
- ⑥ Tripod socket
- ⑦ Eyelet for camera strap
- ⑧ Fn1 (function 1) button
- ⑨ 9 V DC-IN connector
- ⑩ Headphone jack socket
- ⑪ Connector
- ⑫ Lock screw

- ⑬ Compartment for connector cover supplied with camera
- ⑭ AF-ON button
- ⑮ AE-L button
- ⑯ Rear command dial/  
focus assist button
- ⑰ Focus stick (focus lever)
- ⑱ Indicator lamps
- ⑲ Performance selector
- ⑳ Battery tray
- ㉑ Battery-chamber cover latch
- ㉒ Connector cover

 All controls perform the same function as the matching controls on the camera.

## Attaching the Power-Booster Grip



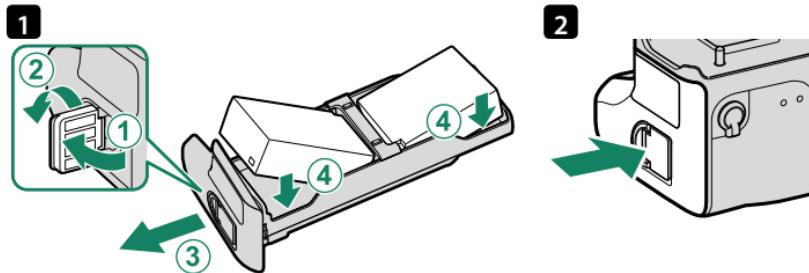
 Check that the camera is off before attaching or removing the power-booster grip. The camera vertical power-booster grip contact cover (A) can be stored in the grip. Keep the grip contact cap (B) in a safe place when not in use.

 Fully tighten the lock screw knob after attaching the grip. After removing the grip, replace the grip contact cover (A) and contact cap (B). Do not touch the contacts.

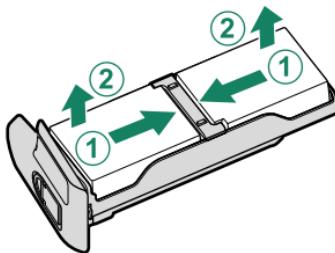
The grip is not waterproof, and caution is required to prevent the entry of dirt, dust, water, noxious gases, salt, and other foreign matter. Do not place the grip on wet surfaces. Before use, be sure that the battery tray and battery-chamber cover are fully closed.

## Inserting and Removing Batteries

Insert the batteries as shown.



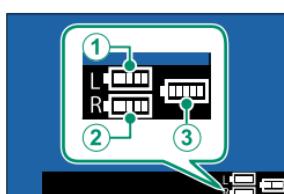
The batteries can be removed as shown.



 Use only NP-W126S batteries, and be sure the camera is off before exchanging batteries.

### Battery Level

When the VPB-XH1 is connected, the camera battery level display shows the camera battery level and the level of the batteries inserted in the VPB-XH1. When a full complement of batteries are inserted in the camera and the VPB-XH1, the left battery in the VPB-XH1 (①) will be used until no charge remains, followed by the right battery (②) and finally by the camera battery (③).



## Using the VPB-XH1

When a power-booster grip is attached, the performance selector can be used to improve shutter response and boost the frame advance rate in continuous (burst) mode.

Position	Maximum frame rate*	Release lag
<b>BOOST</b> (boosted)	11 fps <sup>†</sup>	45 ms <sup>†</sup>
<b>NORMAL</b> (normal)	8.0 fps	50 ms

\* Regardless of the option chosen with the performance selector, the maximum frame rate with electronic shutter is 14 fps.

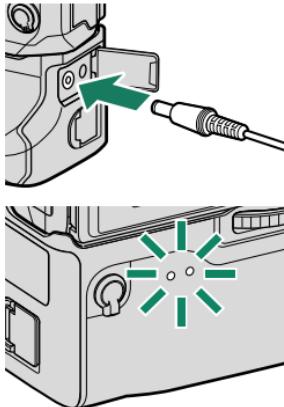
† Requires at least two batteries with some charge remaining, or if an AC power adapter is connected, a battery with some charge remaining inserted in the camera. Maximum frame rate if these conditions are not met is 8.0 fps.

 Movie recording, long time-exposures, or burst or interval timer photography may end unexpectedly depending on the battery level or temperature.

 The performance selector takes priority over the option chosen for **POWER MANAGEMENT > PERFORMANCE**.

## Charging the Batteries

The batteries in the VPB-XH1 can be charged when the camera is off or the grip is removed from the camera. Connect the grip's supplied AC-9VS AC power adapter to the 9V DC-IN connector. The indicator lamps will light green while the battery charges; the lamp on the left shows the status of the left battery, the lamp on the right the status of the right battery.



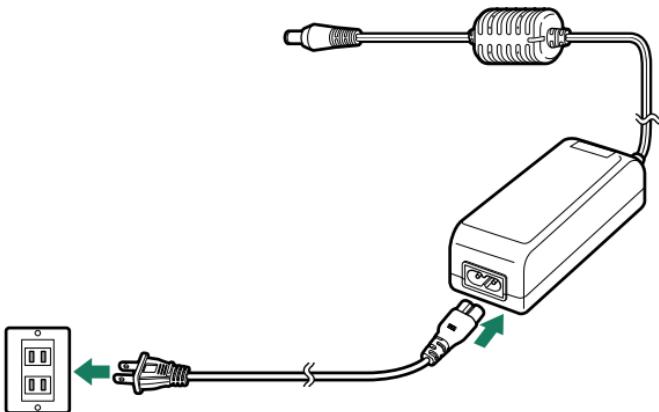
Indicator lamp	Battery status
Off	Charging complete
On	Charging in progress
Blinks	Charging fault

**!** The batteries charge simultaneously; charging takes about two hours. The batteries will not charge while the camera is on, but power will be supplied to the camera. For more information, see pages 30 and 263.

Use only the supplied AC power adapter.

## Using the AC-9VS Power Adapter

Connect the power cable to the AC-9VS and plug it into a power outlet.



**!** The supplied power cable is for use exclusively with the AC-9VS. Do not use the adapter with other cords or the cable with other devices.

# 11

## Connections

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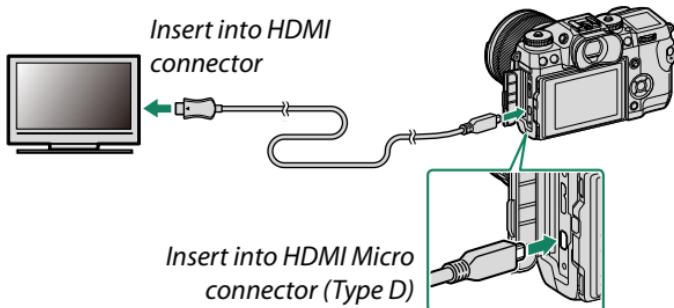
## HDMI Output

Camera shooting and playback displays can be output to HDMI devices.

### Connecting to HDMI Devices

Connect the camera to TVs or other HDMI devices using a third-party HDMI cable.

- 1 Turn the camera off.
- 2 Connect the cable as shown below, making sure the connectors are fully inserted.



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

- 3 Configure the device for HDMI input as described in the documentation supplied with the device.
- 4 Turn the camera on. You can now shoot and play back pictures while viewing the television display and save pictures to the HDMI device.

**!** The USB cable cannot be used while an HDMI cable is connected.

## Shooting

Shoot photos and record movies while viewing the scene through the camera lens on or saving footage to the HDMI device.

-  This feature can be used to save 4K and Full HD movies to an HDMI recorder.

## Playback

To start playback, press the camera  button. The camera monitor turns off and pictures and movies are output to the HDMI device. Note that the camera volume controls have no effect on sounds played on the TV; use the television volume controls to adjust the volume.

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

## Wireless Transfer

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

fujifilm Wi-Fi app



### Connecting to Smartphones and Tablets:

#### FUJIFILM Camera Remote

Install the latest version of the FUJIFILM Camera Remote app on your smartphone or tablet to connect to the camera via Bluetooth or a wireless LAN.

#### FUJIFILM Camera Remote

For downloads and other information, visit:

[http://app.fujifilm-dsc.com/en/camera\\_remote/](http://app.fujifilm-dsc.com/en/camera_remote/)

### Smart Phones and Tablets: Bluetooth® Pairing

Use CONNECTION SETTING > Bluetooth SETTINGS > PAIRING REGISTRATION to pair the camera with smartphones or tablets. Pairing offers a simple method for downloading photos from the camera.



Photos are downloaded via a wireless connection.

## Smartphones and Tablets: Wireless LAN

Use the **WIRELESS COMMUNICATION** options in **SHOOTING SETTING** or the playback menu to connect to a smartphone or tablet via a wireless LAN. Once connected, you can browse the images on the camera, download selected images, control the camera remotely, or copy location data to the camera.



## Copying Pictures to a Computer: PC AutoSave

Install the latest version of FUJIFILM PC Autosave to your computer to upload pictures from the camera over wireless networks.

### FUJIFILM PC AutoSave

For downloads and other information, visit:

[http://app.fujifilm-dsc.com/en/pc\\_autosave/](http://app.fujifilm-dsc.com/en/pc_autosave/)

## Computers: Wireless Connections

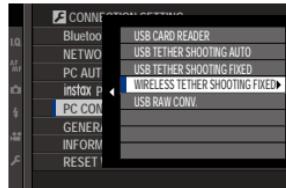
You can upload pictures from the camera using the **PC AUTO SAVE** option in the playback menu.



## Tethered Shooting: FUJIFILM X Acquire/FUJIFILM Tether Shooting Plugin/Hyper-Utility Software HS-V5

FUJIFILM X Acquire, the FUJIFILM Tether Shooting Plugin, and Hyper-Utility Software HS-V5 can be used for tethered shooting when **WIRELESS TETHER SHOOTING FIXED** is selected for  **CONNECTION SETTING > PC CONNECTION MODE** in the camera menus. For more information, visit the following website:

<http://app.fujifilm-dsc.com/en/#tether>



 For more information on FUJIFILM X Acquire, the FUJIFILM Tether Shooting Plugin, and Hyper-Utility Software HS-V5, see "Software from FUJIFILM" (258).

# Connecting to Computers via USB

Connect the camera to a computer to download pictures or take pictures remotely.

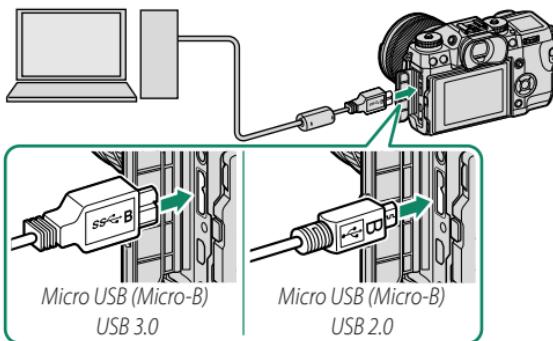
 Before downloading pictures or taking pictures remotely, connect the camera to a computer and check that it functions normally.

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

 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** Adjust settings according to whether you will be using the camera for tethered shooting (250), copying pictures to a computer (250), or creating JPEG copies of RAW pictures (251).

**3** Turn the camera off and connect a third-party USB 3.0 or 2.0 cable (either type can be used), making sure the connectors are fully inserted.



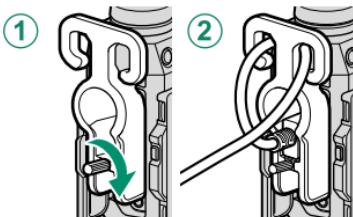
 Use a USB 3.0 cable for higher speeds with computers that support USB 3.0.

- 4 Turn the camera on.
- 5 Copy pictures to your computer. During tethered shooting, you can copy pictures using tethered shooting software such as the FUJIFILM Tethered Shooting Plug-in PRO. Otherwise you can use MyFinePix Studio or applications provided with your operating system.
- 6 When transfer is complete, turn the camera off and disconnect the USB cable.

#### **The Cable Protector**

The cable protector prevents accidental disconnection of USB cables and the like. To use the cable protector:

- ① Attach the protector as shown and tighten the lock screw.
- ② Connect the cable and pass it through the protector as shown.



 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.

The USB cable must be no more than 1.5 m (4.9 ft.) long and be suitable for data transfer. Connect the camera directly to the computer; do not use a USB hub or keyboard.

Make sure that the computer does not display a message stating that copying is in progress and that the indicator lamp is off or lit green before turning the camera off or disconnecting the USB cable (if the number of images copied is very large, data transfer may continue 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.

Disconnect the camera before inserting or removing memory cards.

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.

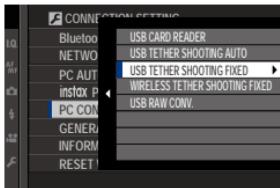
The user bears all applicable fees charged by the phone company or Internet service provider when using services that require an Internet connection.

## Tethered Shooting: FUJIFILM X Acquire/FUJIFILM Tether Shooting Plugin/Hyper-Utility Software HS-V5

FUJIFILM X Acquire, the FUJIFILM Tether Shooting Plugin, and Hyper-Utility Software HS-V5 can be used for tethered shooting when **USB TETHER SHOOTING AUTO** or **USB TETHER SHOOTING FIXED** is selected for  **CONNECTION SETTING > PC CONNECTION MODE** in the camera menus. For more information, visit the following website:

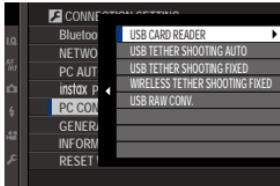
<http://app.fujifilm-dsc.com/en/#tether>

 For more information on FUJIFILM X Acquire, the FUJIFILM Tether Shooting Plugin, and Hyper-Utility Software HS-V5, see "Software from FUJIFILM" (258).



## Copying Pictures to a Computer

Before copying pictures to a computer, select **USB CARD READER** for  **CONNECTION SETTING > PC CONNECTION MODE**. The software that can be used to copy pictures varies with your computer operating system.



### Windows

Use MyFinePix Studio to copy pictures to your computer, where they can be stored, viewed, organized, and printed. See "Software from FUJIFILM" (258) for more information.

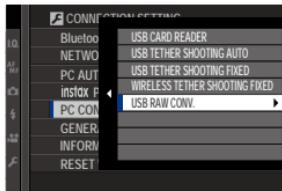
### Mac OS X/macOS

Pictures can be copied to your computer using Image Capture (supplied with your computer) or other software.

## Creating JPEG Copies of RAW Images: FUJIFILM X RAW STUDIO

FUJIFILM X RAW STUDIO can be used to create JPEG copies of RAW images when **USB RAW CONV.** is selected for  **CONNECTION SETTING > PC CONNECTION MODE** in the camera menus.

 For more information on FUJIFILM X RAW STUDIO, see "Software from FUJIFILM" (258).



## instax SHARE Printers

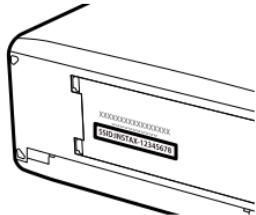
Print pictures from your digital camera to instax SHARE printers.

### Establishing a Connection

Select  CONNECTION SETTING > instax PRINTER CONNECTION SETTING 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 **PLAY BACK MENU** > **instax PRINTER PRINT**. 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 cannot be printed.

The area printed is smaller than the area visible in the LCD monitor.

The displays may vary depending on the printer connected.

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

## MEMO

# 12

## Technical Notes

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## 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-W126S:** Additional high-capacity NP-W126S 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/NP-W126S in about 150 minutes.

### DC couplers

**CP-W126:** Connect the AC-9VS power adapter supplied with optional power-booster grips to the camera for extended shooting or playback or when using the camera with a computer.

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

**FUJINON MKX-series lenses:** Cinema lenses for the FUJIFILM X mount.

### Macro extension tubes

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

### Teleconverters

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

**XF2X TC WR:** Increases the focal length of the compatible lenses by about 2.0x.

### Mount adapters

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

**Body caps****BCP-001:** Cover the camera lens mount when no lens is attached.**Eye cups****EC-XH W:** Attach this wide viewfinder eyecup to prevent light leaking into the viewfinder window.**Shoe-mounted flash units****EF-X500:** In addition to manual and TTL flash control, this clip-on flash unit has a Guide Number of 50/164 (ISO 100, m/ft.) and supports FP (high-speed sync), allowing it to be used at shutter speeds that exceed the flash sync speed. Featuring support for the optional EF-BP1 battery pack and FUJIFILM optical wireless flash control, it can be used as a master or remote flash unit for remote wireless flash photography.**EF-BP1:** A battery pack for shoe-mounted flash units. Takes up to 8 AA batteries.**EF-42:** This clip-on flash unit has a Guide Number of 42/137 (ISO 100, m/ft.) and supports manual and TTL flash control.**EF-X20:** This clip-on flash unit has a Guide Number of 20/65 (ISO 100, m/ft.) and supports manual and TTL flash control.**EF-20:** This clip-on flash unit has a Guide Number of 20/65 (ISO 100, m/ft.) and supports TTL flash control (manual flash control is not supported).**Vertical power-booster grips****VPB-XH1:** See "Vertical Power-Booster Grips" (235).**Grip belts****GB-001:** Improves grip. Combine with a hand grip for more secure handling.**Cover kits****CVR-XT2:** A set of covers for the X-H1. Contains a terminal cover, hot-shoe cover, and vertical power-booster grip connector cover.**instax SHARE printers****SP-1/SP-2/SP-3:** Connect via wireless LAN to print pictures on instax film.**!** This camera is not compatible with the AC-9V AC power adapter.

## Software from FUJIFILM

The camera can be used with the following FUJIFILM software.

### FUJIFILM Camera Remote

Establish a wireless connection between your camera and a smartphone or tablet (244).

[http://app.fujifilm-dsc.com/en/camera\\_remote/](http://app.fujifilm-dsc.com/en/camera_remote/)

### FUJIFILM PC AutoSave

Download pictures from your camera over wireless networks (246).

[http://app.fujifilm-dsc.com/en/pc\\_autosave/](http://app.fujifilm-dsc.com/en/pc_autosave/)

### MyFinePix Studio

Manage, view, print, and edit the many images downloaded from your digital camera (250).

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

fujifilm mfs



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

### RAW FILE CONVERTER EX 2.0

View RAW pictures on your computer and convert them into other formats (251).

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

fujifilm rfc



## FUJIFILM X RAW STUDIO

When the camera is connected to a computer via USB, FUJIFILM X RAW STUDIO can use the camera's unique X Processor Pro image processing engine to rapidly convert RAW files to high-quality JPEG images.

<http://fujifilm-x.com/x-stories/fujifilm-x-raw-studio-features-users-guide/>

fujifilm x raw studio



## FUJIFILM X Acquire

This application for Windows and mac OS lets you connect to the camera via USB or Wi-Fi and automatically download photos to a specified folder as they are taken.

[http://www.fujifilm.com/support/digital\\_cameras/software/application/](http://www.fujifilm.com/support/digital_cameras/software/application/)

fujifilm x acquire app



## FUJIFILM Tether Shooting Plug-ins for Lightroom

Plug-ins for Adobe® Photoshop® Lightroom®.

- **FUJIFILM Tether Shooting Plugin PRO**

<http://fujifilm-x.com/en/x-stories/fujifilm-tether-plug-in-pro-features/>

fujifilm tether shooting plug in pro features



- **FUJIFILM Tether Shooting Plugin**

[http://www.fujifilm.com/support/digital\\_cameras/software/hsv5/plugin\\_01/](http://www.fujifilm.com/support/digital_cameras/software/hsv5/plugin_01/)

fujifilm tether shooting plugin



## Hyper-Utility Software HS-V5

This computer application lets you connect to the camera via USB or Wi-Fi, control the camera remotely, and save pictures taken with the camera directly to the computer.

[http://www.fujifilm.com/support/digital\\_cameras/software/hsv5/win/](http://www.fujifilm.com/support/digital_cameras/software/hsv5/win/)

fujifilm hsv5 win



# For Your Safety

## IMPORTANT SAFETY INSTRUCTIONS

- **Read Instructions:** All the safety and operating instructions should be read before the appliance is operated.
- **Retain Instructions:** The safety and operating instructions should be retained for future reference.
- **Heed Warnings:** All warnings on the appliance and in the operating instructions should be adhered to.
- **Follow Instructions:** All operating and use instructions should be followed.

### Installation

**Power Sources:** This video product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For video products intended to operate from battery power, or other sources, refer to the operating instructions.

**Grounding or Polarization:** This video product is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

**Alternate Warnings:** This video product is equipped with a three-wire grounding-type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding type plug.

**Overloading:** Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

**Ventilation:** Slots and openings in the cabinet are provided for ventilation, to ensure reliable operation of the video product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the video product on a bed, sofa, rug, or other similar surface.

This video product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to. This video product should never be placed near or over a radiator or heat register.

**Attachments:** Do not use attachments not recommended by the video product manufacturer as they may cause hazards.

**Water and Moisture:** Do not use this video product near water—for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.

**Power-Cord Protection:** Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

**Accessories:** Do not place this video product on an unstable cart, stand, tripod, bracket, or table. The video product may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the video product. Any mounting of the appliance should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

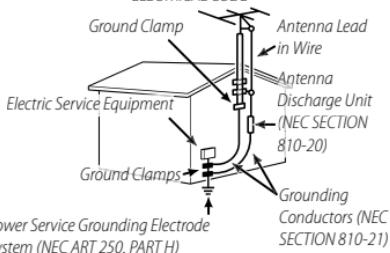
An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.



### Antennas

**Outdoor Antenna Grounding:** If an outside antenna or cable system is connected to the video product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No. 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

#### EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE



**Power Lines:** An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

#### Use

**Cleaning:** Unplug this video product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

**Object and Liquid Entry:** Never push objects of any kind into this video product through openings as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the video product.

**Lightning:** For added protection for this video product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the video product due to lightning and power-line surges.

#### Service

**Servicing:** Do not attempt to service this video product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

**Damage Requiring Service:** Unplug this video product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power-supply cord or plug is damaged
- If liquid has been spilled, or objects have fallen into the video product.
- If the video product has been exposed to rain or water.
- If the video product has been dropped or the cabinet has been damaged.

If the video product does not operate normally follow the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the video product to its normal operation.

When the video product exhibits a distinct change in performance — this indicates a need for service.

**Replacement Parts:** When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

**Safety Check:** Upon completion of any service or repairs to this video product, ask the service technician to perform safety checks to determine that the video product is in proper operating condition.

### Be sure to read these notes before use

#### Safety Notes

- Make sure that you use your camera correctly. Read these safety notes and your *Owner's Manual* carefully before use.
- After reading these safety notes, store them in a safe place.

#### About the Icons

The icons shown below are used in this document to indicate the severity of the injury or damage that can result if the information indicated by the icon is ignored and the product is used incorrectly as a result.

	<b>WARNING</b> This icon indicates that death or serious injury can result if the information is ignored.
	<b>CAUTION</b> This icon indicates that personal injury or material damage can result if the information is ignored.

The icons shown below are used to indicate the nature of the instructions which are to be observed.

	Triangular icons tell you that this information requires attention ("Important").
	Circular icons with a diagonal bar tell you that the action indicated is prohibited ("Prohibited").
	Filled circles with an exclamation mark indicate an action that must be performed ("Required").

The symbols on the product (including the accessories) represent the following:

	AC
	DC
	Class II equipment (The construction of the product is double-insulated.)

#### ⚠ WARNING

**If a problem arises, turn the camera off, remove the battery, and disconnect and unplug the AC power adapter.** Continued use of the camera when it is emitting smoke, is emitting any unusual odor, or is in any other abnormal state can cause a fire or electric shock. Contact your FUJIFILM dealer.

**Do not allow water or foreign objects to enter the camera.** If water or foreign objects get inside the camera, turn the camera off, remove the battery, and disconnect and unplug the AC power adapter. Continued use of the camera can cause a fire or electric shock. Contact your FUJIFILM dealer.

**Do not use the camera in the bathroom or shower.** This can cause a fire or electric shock.

<p><b>⚠ WARNING</b></p>	<p><b>⚠ WARNING</b></p>
<p> <b>Do not disassemble.</b> <i>Never attempt to change or take apart the camera (never open the case).</i> Failure to observe this precaution can cause fire or electric shock.</p>	<p> <b>Using a flash too close to a person's eyes may cause visual impairment.</b> Take particular care when photographing infants and young children.</p>
<p> <b>Do not touch internal parts.</b> <i>Should the case break open as the result of a fall or other accident, do not touch the exposed parts.</i> Failure to observe this precaution could result in electric shock or in injury from touching the damaged parts. Remove the battery immediately, taking care to avoid injury or electric shock, and take the product to the point of purchase for consultation.</p>	<p> <b>Do not remain in prolonged contact with hot surfaces.</b> Failure to observe this precaution could result in low-temperature burns, particularly at high ambient temperatures or with users who suffer from poor circulation or reduced sensation, in which case use of a tripod or similar precautions are recommended.</p>
<p> <b>Do not change, heat or unduly twist or pull the connection cord and do not place heavy objects on the connection cord.</b> These actions could damage the cord and cause a fire or electric shock. If the cord is damaged, contact your FUJIFILM dealer.</p>	<p> <b>Do not leave one part of the body in contact with the product for prolonged periods while the product is on.</b> Failure to observe this precaution could result in low-temperature burns, particularly during prolonged use, at high ambient temperatures, or with users who suffer from poor circulation or reduced sensation, in which case use of a tripod or similar precautions are recommended.</p>
<p> <b>Do not place the camera on an unstable surface.</b> This can cause the camera to fall or tip over and cause injury.</p>	<p> <b>Do not use in the presence of flammable objects, explosive gases, or dust.</b></p>
<p> <b>Never attempt to take pictures while in motion.</b> Do not use the camera while walking or driving. This can result in you falling down or being involved in a traffic accident.</p>	<p><b>When carrying the battery, install it in a digital camera or keep it in the hard case. When storing the battery, keep it in the hard case. When discarding, cover the battery terminals with insulation tape.</b> Contact with other metallic objects or batteries could cause the battery to ignite or burst.</p>
<p> <b>Do not touch any metal parts of the camera during a thunderstorm.</b> This can cause an electric shock due to induced current from the lightning discharge.</p>	<p><b>Keep memory cards, hot shoes, and other small parts out of the reach of small children.</b> Children may swallow small parts; keep out of reach of children. Should a child swallow a small part, seek medical attention or call emergency.</p>
<p> <b>Do not use the battery except as specified.</b> Load the battery as shown by the indicator.</p>	<p> <b>Keep out of reach of small children.</b> Among the elements that could cause injury are the strap, which could become entangled about a child's neck, causing strangulation, and the flash, which could cause visual impairment.</p>
<p> <b>Do not disassemble, modify, or heat batteries. Do not drop, strike, or throw batteries or otherwise subject them to strong impacts. Do not use batteries that show signs of leaking, deformation, discoloration, or other abnormalities. Use only designated chargers to recharge rechargeable batteries and do not attempt to recharge non-rechargeable Li-ion or alkaline batteries. Do not short batteries or store them with metallic objects.</b> Failure to observe these precautions could result in the batteries overheating, igniting, rupturing, or leaking, causing fire, burns, or other injury.</p>	<p><b>Follow the directions of airline and hospital personnel.</b> This product generates radio-frequency emissions that could interfere with navigational or medical equipment.</p>
<p> <b>Use only batteries or AC power adapters specified for use with this camera. Do not use voltages other than the power supply voltage shown.</b> The use of other power sources can cause a fire.</p>	<p> <b>CAUTION</b></p>
<p> <b>If the battery leaks and fluid gets in contact with your eyes, skin or clothing, flush the affected area with clean water and seek medical attention or call an emergency number right away.</b></p>	<p><b>Do not use this camera in locations affected by oil fumes, steam, humidity or dust.</b> This can cause a fire or electric shock.</p>
<p> <b>Do not use the charger to charge batteries other than those specified here.</b> The supplied charger is for use only with batteries of the type supplied with the camera. Using the charger to charge conventional batteries or other types of rechargeable batteries can cause the battery to leak, overheat or burst.</p>	<p><b>Do not leave this camera in places subject to extremely high temperatures.</b> Do not leave the camera in locations such as a sealed vehicle or in direct sunlight. This can cause a fire.</p>
<p> <b>Do not place heavy objects on the camera.</b> This can cause the heavy object to tip over or fall and cause injury.</p>	<p><b>Do not move the camera while the AC power adapter is still connected.</b> Do not pull on the connection cord to disconnect the AC power adapter. This can damage the power cord or cables and cause a fire or electric shock.</p>

<b>! CAUTION</b>	<b>! CAUTION</b>
 <b><i>Do not cover or wrap the camera or the AC power adapter in a cloth or blanket.</i></b> This can cause heat to build up and distort the casing or cause a fire.	 <b><i>When a memory card is removed, the card could come out of the slot too quickly. Use your finger to hold it and gently release the card.</i></b> Injury could result to those struck by the ejected card.
 <b><i>When you are cleaning the camera or you do not plan to use the camera for an extended period, remove the battery and disconnect and unplug the AC power adapter.</i></b> Failure to do so can cause a fire or electric shock.	 <b><i>Request regular internal testing and cleaning for your camera.</i></b> Build-up of dust in your camera can cause a fire or electric shock. Contact your FUJIFILM dealer to request internal cleaning every two years. Please note that this service is not free of charge.
 <b><i>When charging ends, unplug the charger from the power socket.</i></b> Leaving the charger plugged into the power socket can cause a fire.	 <b><i>Danger of explosion if battery is incorrectly replaced.</i></b> Replace only with the same or equivalent type.

### The Battery and Power Supply

**Note:** Check the type of battery used in your camera and read the appropriate sections.

The following describes the proper use of batteries and how to prolong their life. Incorrect use can shorten battery life or cause leakage, overheating, fire, or explosion.

#### Li-ion Batteries

Read this section if your camera uses a rechargeable Li-ion battery.

The battery is not charged at shipment. Charge the battery before use. Keep the battery in its case when not in use.

#### Notes on the Battery

The battery gradually loses its charge when not in use. Charge the battery one or two days before use.

Battery life can be extended by turning the camera off when not in use.

Battery capacity decreases at low temperatures; a depleted battery may not function when cold. Keep a fully charged spare battery in a warm place and exchange as necessary, or keep the battery in your pocket or other warm place and insert it in the camera only when shooting. Do not place the battery in direct contact with hand warmers or other heating devices.

#### Charging the Battery

**Charge the battery in the supplied battery charger. Charging times will increase at ambient temperatures below +10°C (+50°F) or above +35°C (+95°F).** Do not attempt to charge the battery at temperatures above 40°C (+104°F); at temperatures below 0°C (+32°F), the battery will not charge.

Do not attempt to recharge a fully charged battery. The battery does not however need to be fully discharged before charging.

The battery may be warm to the touch immediately after charging or use. This is normal.

#### Battery Life

At normal temperatures, the battery can be recharged about 300 times. A noticeable decrease in the length of time the battery will hold a charge indicates that it has reached the end of its service life and should be replaced.

#### Storage

Performance may be impaired if the battery is left unused for extended periods when fully charged. Run the battery flat before storing it.

If the camera will not be used for an extended period, remove the battery and store it in a dry place with an ambient temperature of from +15°C to +25°C (+59°F to +77°F). Do not store in locations exposed to extremes of temperature.

#### Cautions: Handling the Battery

- Do not transport or store with metal objects such as necklaces or hairpins.
- Do not expose to flame or heat.
- Do not disassemble or modify.
- Use with designated chargers only.
- Dispose of used batteries promptly.
- Do not drop or subject to strong physical shocks.
- Do not expose to water.
- Keep the terminals clean.
- The battery and camera body may become warm to the touch after extended use. This is normal.

#### Caution Disposal

Dispose of used batteries in accord with local regulations.

#### AC Power Adapters (Available Separately)

Use only FUJIFILM AC power adapters designated for use with this camera. Other adapters could damage the camera.

- The AC power adapter is for indoor use only.
- Be sure the DC plug is securely connected to the camera.
- Turn the camera off before disconnecting the adapter. Disconnect the adapter by the plug, not the cable.
- Do not use with other devices.
- Do not disassemble.
- Do not expose to high heat and humidity.
- Do not subject to strong physical shocks.
- The adapter may hum or become hot to the touch during use. This is normal.
- If the adapter causes radio interference, reorient or relocate the receiving antenna.

## Using the Camera

- Do not aim the camera at extremely bright light sources, such as the sun in a cloudless sky. Failure to observe this precaution could damage the camera image sensor.
- Strong sunlight focused through the viewfinder may damage the panel of electronic viewfinder (EVF). Do not aim the electronic viewfinder at the sun.

### Take Test Shots

Before taking photographs on important occasions (such as at weddings or before taking the camera on a trip), take a test shot and view the results to ensure that the camera is functioning normally. FUJIFILM Corporation cannot accept liability for damages or lost profits incurred as a result of product malfunction.

### Notes on Copyright

Unless intended solely for personal use, images recorded using your digital camera system cannot be used in ways that infringe copyright laws without the consent of the owner. Note that some restrictions apply to the photographing of stage performances, entertainments, and exhibits, even when intended purely for personal use. Users are also asked to note that the transfer of memory cards containing images or data protected under copyright laws is only permissible within the restrictions imposed by those copyright laws.

### Handling

To ensure that images are recorded correctly, do not subject the camera to impact or physical shocks while images are being recorded.

### Liquid Crystal

In the event that the display is damaged, care should be taken to avoid contact with liquid crystal. Take the urgent action indicated should any of the following situations arise:

- **If liquid crystal comes in contact with your skin**, clean the area with a cloth and then wash thoroughly with soap and running water.
- **If liquid crystal enters your eyes**, flush the affected eye with clean water for at least 15 minutes and then seek medical assistance.
- **If liquid crystal is swallowed**, rinse your mouth thoroughly with water. Drink large quantities of water and induce vomiting, then seek medical assistance.

Although the display is manufactured using extremely high-precision technology, it may contain pixels that are always lit or that do not light. This is not a malfunction, and images recorded with the product are unaffected.

### Trademark Information

Digital Split Image is a trademark or registered trademark of FUJIFILM Corporation. XD-Picture Card and  are trademarks of FUJIFILM Corporation. The typefaces included herein are solely developed by DynaComware Taiwan Inc. Macintosh, Mac OS, and macOS are trademarks of Apple Inc. in the U.S.A. and other countries. Windows is a registered trademark of Microsoft Corporation in the U.S.A. and other countries. Adobe, the Adobe logo, Photoshop, and Lightroom are trademarks or registered trademarks of Adobe Systems Incorporated in the U.S.A. and other countries. Wi-Fi® and Wi-Fi Protected Setup® are registered trademarks of the Wi-Fi Alliance. The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc., and any use of such marks by FUJIFILM is under license. The SDHC and SDXC logos are trademarks of SD-3C, LLC. The HDMI logo is a trademark or registered trademark of HDMI Licensing LLC. All other trade names mentioned in this manual are the trademarks or registered trademarks of their respective owners.

### Electrical Interference

This camera may interfere with hospital or aviation equipment. Consult with hospital or airline staff before using the camera in a hospital or on an aircraft.

### Color Television Systems

NTSC (National Television System Committee) is a color television broadcasting specification adopted mainly in the U.S.A., Canada, and Japan. PAL (Phase Alternation by Line) is a color television system adopted mainly in European countries and China.

### Exif Print (Exif Version 2.3)

Exif Print is a newly revised digital camera file format in which information stored with photographs is used for optimal color or reproduction during printing.

### IMPORTANT NOTICE: Read Before Using the Software

Direct or indirect export, in whole or in part, of licensed software without the permission of the applicable governing bodies is prohibited.

## NOTICES

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

Please read the "Safety Notes" and make sure you understand them before using the camera.

Perchlorate Material—special handling may apply. See:

<http://www.dtsc.ca.gov/hazardouswaste/perchlorate>

### For Customers in the U.S.A.

#### Tested To Comply With FCC Standards FOR HOME OR OFFICE USE



Contains IC : 10293A-WMBNBM26A

Contains FCC ID : COF-WMBNBM26A

**FCC Statement:** This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**CAUTION:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**FCC Caution:** Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

**Radiation Exposure Statement:** This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard for wireless device employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands.

**Notes on the Grant:** To comply with Part 15 of the FCC Rules, this product must be used with a Fujifilm-specified ferrite-core A/V cable, USB cable, and DC supply cord.



A lithium ion battery that is recyclable powers the product you have purchased. Please call 1-800-8-BATTERY for information on how to recycle this battery.

*For Customers in Canada*

**CAN ICES-3 (B)/NMB-3(B)**

**CAUTION:** This Class B digital apparatus complies with Canadian ICES-003.

**Industry Canada statement:** This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause interference; and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter, except tested built-in radios. The County Code Selection feature is disabled for products marketed in the US/ Canada.

**Radiation Exposure Statement:** The available scientific evidence does not show that any health problems are associated with using low power wireless devices. There is no proof, however, that these low power wireless devices are absolutely safe. Low power Wireless devices emit low levels of radio frequency energy (RF) in the microwave range while being used. Whereas high levels of RF can produce health effects (by heating tissue), exposure of low-level RF that does not produce heating effects causes no known adverse health effects. Many studies of low-level RF exposures have not found any biological effects. Some studies have suggested that some biological effects might occur, but such findings have not been confirmed by additional research. X-H1 has been tested and found to comply with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules.

*Disposal of Electrical and Electronic Equipment in Private Households*

**In the European Union, Norway, Iceland and Liechtenstein:**

This symbol on the product, or in the manual and in the warranty, and/or on its packaging indicates that this product shall not be treated as household waste. Instead it should be taken to an applicable collection point for the recycling of electrical and electronic equipment.



By ensuring this product is disposed of correctly, you will help prevent potential negative consequences to the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.

This symbol on the batteries or accumulators indicates that those batteries shall not be treated as household waste.



If your equipment contains easy removable batteries or accumulators please dispose these separately according to your local requirements.

The recycling of materials will help to conserve natural resources. For more detailed information about recycling this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

**In Countries Outside the European Union, Norway, Iceland and Liechtenstein:**

If you wish to discard this product, including the batteries or accumulators, please contact your local authorities and ask for the correct way of disposal.

**In Japan:** This symbol on the batteries indicates that they are to be disposed of separately.



Li-ion

**Wireless Network and Bluetooth Devices: Cautions**

This product complies with the following EU Directives:

- RoHS Directive 2011/65/EU
- RE Directive 2014/53/EU

Hereby, FUJIFILM Corporation declares that the radio equipment type FF170002 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: [http://www.fujifilm.com/products/digital\\_cameras/x/fujifilm\\_x\\_h1/pdf/index\\_fujifilm\\_x\\_h1\\_cod.pdf](http://www.fujifilm.com/products/digital_cameras/x/fujifilm_x_h1/pdf/index_fujifilm_x_h1_cod.pdf)

This compliance is indicated by the following conformity marking placed on the product:



This marking is valid for non-Telecom products and EU harmonized Telecom products (e.g. Bluetooth®).

**IMPORTANT:** *Read the following notices before using the camera's built-in wireless transmitter.*

① This product, which contains encryption function developed in the United States, is controlled by the United States Export Administration Regulations and may not be exported or re-exported to any country to which the United States embargoes goods.

• **Use only a wireless network or Bluetooth device.** FUJIFILM does not accept liability for damages resulting from unauthorized use. Do not use in applications requiring a high degree of reliability, for example in medical devices or other systems that may directly or indirectly impact human life. When using the device in computer and other systems that demand a greater degree of reliability than offered by wireless network or Bluetooth devices, be sure to take all necessary precautions to ensure safety and prevent malfunction.

• **Use only in the country in which the device was purchased.** This device conforms to regulations governing wireless network and Bluetooth devices in the country in which it was purchased. Observe all location regulations when using the device. FUJIFILM does not accept liability for problems arising from use in other jurisdictions.

• **Do not use the device in locations subject to magnetic fields, static electricity, or radio interference.** Do not use the transmitter in the vicinity of microwave ovens or in other locations subject to magnetic fields, static electricity, or radio interference that may prevent reception of wireless signals. Mutual interference may occur when the transmitter is used in the vicinity of other wireless devices operating in the 2.4 GHz band.

• **The wireless transmitter operates in the 2.4 GHz band using DSSS, OFDM and GFSK modulation.**

• **Security:** Wireless network and Bluetooth devices transmit data via radio and consequently their use requires greater attention to security than applies in the case of wired networks.

- Do not connect to unknown networks or networks to which you do not have access rights, even if they are displayed on your device, as such access may be considered unauthorized. Connect only to networks to which you have access rights.
- Be aware that wireless transmissions may be vulnerable to interception by third parties.

• **The following may be punishable by law:**

- Disassembly or modification of this device
- Removal of device certification labels

• **This device operates on the same frequency as commercial, educational, and medical devices and wireless transmitters.** It also operates on the same frequency as licensed transmitters and special unlicensed low-voltage transmitters used in RFID tracking systems for assembly lines and in other similar applications.

• **To prevent interference with the above devices, observe the following precautions.** Confirm that the RFID transmitter is not in operation before using this device. Should you observe that the device causes interference in licensed transmitters used for RFID tracking, immediately stop using the affected frequency or move the device to another location. If you notice that this device causes interference in low-voltage RFID tracking systems, contact a FUJIFILM representative.

• **Do not use this device on board an aircraft.** Note that Bluetooth may remain on even when the camera is off. Bluetooth can be disabled by selecting **OFF** for  **CONNECTION SETTING > Bluetooth SETTINGS > Bluetooth ON/OFF**.

## Be sure to read these notes before using the lens

## Safety Notes

- Make sure that you use the lens correctly. Read these safety notes and the camera *Owner's Manual* carefully before use.
- After reading these safety notes, store them in a safe place.

## About the Icons

The icons shown below are used in this document to indicate the severity of the injury or damage that can result if the information indicated by the icon is ignored and the product is used incorrectly as a result.

	<b>WARNING</b>	This icon indicates that death or serious injury can result if the information is ignored.
	<b>CAUTION</b>	This icon indicates that personal injury or material damage can result if the information is ignored.

The icons shown below are used to indicate the nature of the instructions which are to be observed.

	Triangular icons tell you that this information requires attention ("Important").
	Circular icons with a diagonal bar tell you that the action indicated is prohibited ("Prohibited").
	Filled circles with an exclamation mark indicate an action that must be performed ("Required").

## WARNING

 **Do not immerse in or expose to water.** Failure to observe this precaution can cause a fire or electric shock.

 **Do not disassemble (do not open the case).** Failure to observe this precaution can cause fire, electric shock, or injury due to product malfunction.

 **Should the case break open as the result of a fall or other accident, do not touch the exposed parts.** Failure to observe this precaution could result in electric shock or in injury from touching the damaged parts. Remove the battery immediately, taking care to avoid injury or electric shock, and take the product to the point of purchase for consultation.

 **Do not place on unstable surfaces.** The product may fall, causing injury.

 **Do not view the sun through the lens or camera viewfinders.** Failure to observe this precaution can cause permanent visual impairment.

## CAUTION

 **Do not use or store in locations that are exposed to steam, or smoke or are very humid or extremely dusty.** Failure to observe this precaution can cause fire or electric shock.

 **Do not leave in direct sunlight or in locations subject to very high temperatures, such as in a closed vehicle on a sunny day.** Failure to observe this precaution can cause fire.

 **Keep out of the reach of small children.** This product could cause injury in the hands of a child.

 **Do not handle with wet hands.** Failure to observe this precaution can cause electric shock.

 **Keep the sun out of the frame when shooting backlit subjects.** Sunlight focused into the camera when the sun is in or close to the frame can cause fire or burns.

 **When the product is not in use, replace the lens caps and store out of direct sunlight.** Sunlight focused by the lens can cause fire or burns.

 **Do not carry the camera or lens while they are attached to a tripod.** The product can fall or strike other objects, causing injury.

## Product Care

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

**Camera body:** Use a soft, dry cloth to clean the camera body after each use. Do not use alcohol, thinner, or other volatile chemicals, which could discolor or deform the leather on the camera body. Any liquid on the camera should be removed immediately with a soft, dry cloth. Use a blower to remove dust from the monitor, taking care to avoid scratches, and then gently wipe with a soft, dry cloth. Any remaining stains can be removed by wiping gently with a piece of FUJIFILM lens-cleaning paper to which a small amount of lens-cleaning fluid has been applied. To prevent dust entering the camera, replace the body cap when no lens is in place.

**Image sensor:** Multiple photographs marred by spots or blotches in identical locations may indicate the presence of dust on the image sensor. Clean the sensor using  **USER SETTING > SENSOR CLEANING.**

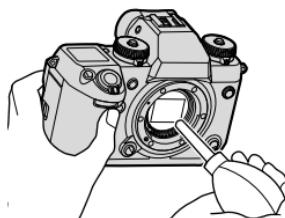
## Cleaning the Image Sensor

Dust that cannot be removed using **USER SETTING > SENSOR CLEANING** can be removed 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.

**!** 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.

## 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](http://www.fujifilm.com/support/digital_cameras/software)

fujifilm firmware



### Checking the Firmware Version

**!** The camera will only display the firmware version if a memory card is inserted.

- 1 Turn the camera off and check that a memory card is inserted.
- 2 Turn the camera on while pressing the **DISP/BACK** button. The current firmware version will be displayed; check the firmware version.
- 3 Turn the camera off.

To view the firmware version or update firmware for optional accessories such as interchangeable lenses, shoe-mounted flash units, and mount adapters, mount the accessories on the camera.

# Troubleshooting

Consult the table below should you encounter problems using your camera. If you don't find the solution here, contact your local FUJIFILM distributor.

## Power and Battery

Problem	Solution
<b>The camera does not turn on.</b>	<ul style="list-style-type: none"><li><b>The battery is exhausted:</b> Charge the battery or insert a fully-charged spare battery (29).</li><li><b>The battery is inserted incorrectly:</b> Reinsert in the correct orientation (32).</li><li><b>The battery-chamber cover is not latched:</b> Latch the battery-chamber cover (32).</li></ul>
<b>The monitor does not turn on.</b>	The monitor may not turn on if the camera is turned off and then on again very quickly. Keep the shutter button pressed halfway until the monitor activates.
<b>The battery runs down quickly.</b>	<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 AF AF/MF SETTING &gt; PRE-AF:</b> Turn PRE-AF off (116).</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>
<b>The camera turns off suddenly.</b>	<ul style="list-style-type: none"><li><b>The battery is exhausted:</b> Charge the battery or insert a fully-charged spare battery (29).</li></ul>
<b>Charging does not start.</b>	Reinsert the battery in the correct orientation and make sure that the charger is plugged in (29, 32).
<b>Charging is slow.</b>	Charge the battery at room temperature.

Problem	Solution
<b>The charging lamp blinks, but the battery does not charge.</b>	<ul style="list-style-type: none"> <li>• <b>There is dirt on the battery terminals:</b> Clean the terminals with a soft, dry cloth (32).</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 (256).</li> </ul>

## Menus and Displays

Problem	Solution
<b>Display is not in English.</b>	Select <b>ENGLISH</b> for <b>USER SETTING &gt; 言語/LANG.</b> (41, 180).

## 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 (34, 160).</li> <li>• <b>The memory card is not formatted:</b> Format the memory card (178).</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 (34).</li> <li>• <b>The battery is exhausted:</b> Charge the battery or insert a fully-charged spare battery (29).</li> <li>• <b>The camera has turned off automatically:</b> Turn the camera on (37).</li> <li>• <b>You are using a third-party mount adapter:</b> Select <b>ON</b> for <b>SHOOT WITHOUT LENS</b> (198).</li> <li>• <b>The indicator lamp was orange when you attempted to record a panorama:</b> Wait until the indicator lamps turns off (8).</li> </ul>

Problem	Solution
<b>Mottling ("noise") appears in the monitor or viewfinder when the shutter button is pressed halfway.</b>	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.
<b>The camera does not focus.</b>	<b>The subject is not suited to autofocus:</b> Use focus lock or manual focus (81).
<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 (117).</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 (117).</li><li><b>The subject's head is tilted or horizontal:</b> Ask the subject to hold their head straight (117).</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>	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 (81).
<b>The flash does not fire.</b>	<ul style="list-style-type: none"><li><b>The flash is disabled:</b> Adjust settings (94).</li><li><b>The flash is lowered:</b> Raise the flash (92).</li><li><b>The battery is exhausted:</b> Charge the battery or insert a fully-charged spare battery (29).</li><li><b>The camera is in bracketing or continuous mode:</b> Select single frame mode (6).</li></ul>
<b>The flash does not fully light the subject.</b>	<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.</li><li><b>The flash window is obstructed:</b> Hold the camera correctly.</li><li><b>Shutter speed is faster than the sync speed:</b> Choose a slower shutter speed (58, 63, 284).</li></ul>

Problem	Solution
<b>Pictures are blurred.</b>	<ul style="list-style-type: none"> <li><b>The lens is dirty:</b> Clean the lens.</li> <li><b>The lens is blocked:</b> Keep objects away from the lens (45).</li> <li><b>!AF is displayed during shooting and the focus frame is displayed in red:</b> Check focus before shooting (46).</li> </ul>
<b>Pictures are mottled.</b>	<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>Pixel mapping is required:</b> Perform pixel mapping using <b>IMAGE QUALITY SETTING &gt; PIXEL MAPPING</b> (108).</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 (37, 281).</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 (183).</li> <li><b>The microphone was obstructed:</b> Hold the camera correctly during recording.</li> <li><b>The speaker is obstructed:</b> Hold the camera correctly during playback.</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 (164).
<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 (203).

## Connections

Problem	Solution
<b>The monitor is blank.</b>	<b>The camera is connected to a TV:</b> Pictures will be displayed on the TV instead of in the camera monitor (14, 242).
<b>No picture or sound on TV.</b>	<ul style="list-style-type: none"><li><b>The camera is not properly connected:</b> Connect the camera properly (242).</li><li><b>Input on the television is set to "TV":</b> Set input to "HDMI" (242).</li><li><b>The volume on the TV is too low:</b> Use the controls on the television to adjust the volume (242).</li></ul>
<b>Both the TV and camera monitor are blank.</b>	<b>The display mode selected with the VIEW MODE button is EVF ONLY + :</b> Put your eye to the viewfinder or use the <b>VIEW MODE</b> button to choose another display mode.
<b>The computer does not recognize the camera.</b>	Be sure the camera and computer are correctly connected (247).
<b>Cannot transfer RAW or JPEG files to computer.</b>	Use MyFinePix Studio to transfer pictures (Windows only; 247).

## Wireless Transfer

For additional information on troubleshooting wireless connections, visit:

<http://digital-cameras.support.fujifilm.com/app?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 (244).</li> <li><b>Nearby devices are causing radio interference:</b> Move the camera and smartphone away from microwave ovens or cordless phones (244).</li> </ul>
<b>Cannot 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 (244).</li> <li><b>There are several smartphones in the vicinity:</b> Try connecting again. The presence of multiple smartphones can make connection difficult (244).</li> <li><b>The image was created on another device:</b> The camera may not be able to upload images created on other devices.</li> <li><b>The image is a movie:</b> Although you can select movies for upload when viewing the contents of camera memory on your smartphone, upload will take some time. Movies intended for display on a smartphone or tablet should be recorded at a frame size of 1280 × 720 (HD) or smaller. For information on viewing the pictures on the camera, visit: <a href="http://app.fujifilm-dsc.com/en/camera_remote/">http://app.fujifilm-dsc.com/en/camera_remote/</a></li> </ul>
<b>Smartphone will not display pictures.</b>	Select <b>ON</b> for <b>GENERAL SETTINGS &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 (210).

## Miscellaneous

Problem	Solution
<b>The camera is unresponsive.</b>	<ul style="list-style-type: none"> <li>• <b>Temporary camera malfunction:</b> Remove and reinsert the battery (32).</li> <li>• <b>The battery is exhausted:</b> Charge the battery or insert a fully-charged spare battery (29).</li> <li>• <b>The camera is connected to a wireless LAN:</b> End the connection.</li> </ul>
<b>The camera does not function as expected.</b>	Remove and reinsert the battery (32). If the problem persists, contact your FUJIFILM dealer.
<b>No sound.</b>	Adjust the volume (182).
<b>Pressing the Q button does not display the quick menu.</b>	<b>TTL-LOCK is active:</b> End TTL-LOCK (135).

## Warning Messages and Displays

The following warnings appear in the display.

Warning	Description
 (red)	Low battery. Charge the battery or insert a fully-charged spare battery.
 (blinks red)	Battery exhausted. Charge the battery or insert a fully-charged spare battery.
<b>!AF</b> (displayed in red with red focus frame)	The camera cannot focus. Use focus lock to focus on another subject at the same distance, then recompose the picture.
Aperture or shutter speed displayed in red	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 subject.
<b>FOCUS ERROR</b>	
<b>LENS CONTROL ERROR</b>	
<b>TURN OFF THE CAMERA AND TURN ON AGAIN</b>	Camera malfunction. Turn the camera off and then on again. If the message persists, contact a FUJIFILM dealer.
<b>NO CARD</b>	The shutter can only be released when a memory card is inserted. Insert a memory card.
<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  <b>USER SETTING &gt; FORMAT</b>.</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. If the message persists, replace the card.</li><li><b>Camera malfunction:</b> Contact a FUJIFILM dealer.</li></ul>
<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.

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.</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. If the message persists, replace the card.</li> <li><b>Incompatible memory card:</b> Use a compatible 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.
<b>BUSY</b>	The memory card is incorrectly formatted. Use the camera to format the card.
<b>SD MEMORY FULL</b>	The memory card is full and pictures cannot be recorded. Delete pictures or insert a memory card with more free space.
<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 or insert a memory card with more free space.</li> <li><b>The memory card is not formatted:</b> Format the memory card.</li> </ul>
<b>FRAME NO. FULL</b>	The camera has run out of frame numbers (current frame number is 999-9999). Insert a formatted memory card and select <b>RENEW</b> for <b>SAVE DATA SET-UP &gt; FRAME NO.</b> . Take a picture to reset frame numbering to 100-0001, then select <b>CONTINUOUS</b> for <b>FRAME NO.</b> .

Warning	Description
<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 cannot 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. If the message persists, replace the card.</li> <li><b>Camera malfunction:</b> Contact a FUJIFILM dealer.</li> </ul>
<b>PROTECTED FRAME</b>	An attempt was made to delete or rotate to a protected picture. Remove protection and try again.
<b>CAN NOT CROP</b>	The picture is damaged or was not created with the camera.
<b>DPOF FILE ERROR</b>	Print orders can contain no more than 999 pictures. Copy any additional pictures you wish to print to another memory card and create a second print order.
<b>CAN NOT ROTATE</b>	The selected picture cannot be rotated.
 <b>CAN NOT ROTATE</b>	Movies cannot be rotated.
<b>CAN NOT SET DPOF</b>	The picture cannot be printed using DPOF.
 <b>CAN NOT SET DPOF</b>	Movies cannot be printed using DPOF.
 <b>CANNOT EXECUTE</b>	Red-eye removal cannot be applied to movies.
 <b>CANNOT EXECUTE</b>	Red-eye removal cannot be applied to pictures created with other devices.
<b>MISMATCH: 4K MODE</b>	The movie mode selected with the camera is not compatible with the device to which the camera is connected via
<b>AND EXTERNAL MONITOR</b>	HDMI. Try selecting a different movie mode (137).
<b>CHANGE MOVIE MODE</b>	
 (yellow)	Turn the camera off and wait for it to cool. Mottling may increase in pictures taken when this warning is displayed.
 (red)	Turn the camera off and wait for it to cool. While this warning is displayed, <b>movie recording may not be available</b> , <b>mottling</b> may increase, and performance, including frame advance rate and display quality, may drop.

## 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		16 GB	
	FINE	NORMAL	FINE	NORMAL
 <b>L 3:2</b>	540	800	1110	1660
<b>RAW (UNCOMPRESSED)</b>	150		320	
<b>RAW (LOSSLESS COMPRESSED)</b>	310		640	
 <b>2160<sup>3</sup></b>	9 minutes		20 minutes	
 <b>1080<sup>4</sup></b>	9 minutes		20 minutes	
 <b>720<sup>5</sup></b>	19 minutes		39 minutes	

1 Use a UHS speed class 3 card or better.

2 Assumes default bit rate.

3 Individual movies can not exceed 15 minutes in length, or 30 minutes if filmed using a power-booster grip.

4 Individual movies can not exceed 20 minutes in length, or 30 minutes if filmed using a power-booster grip.

5 Individual movies can not exceed 30 minutes in length.

 Although movie recording will continue without interruption when the file size reaches 4GB, subsequent footage will be recorded to a separate file which must be viewed separately.

# Specifications

System			
Model	FUJIFILM X-H1		
Product Number	FF170002		
Effective pixels	Approx. 24.3 million		
Image sensor	23.5 mm × 15.6 mm (APS-C), X-Trans CMOS III sensor with primary color filter		
Storage media	FUJIFILM-recommended SD/SDHC/SDXC memory cards		
Memory card slots	Two SD memory card slots (UHS-II compliant)		
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, uncompressed or compressed using a lossless algorithm; special purpose software required); RAW+JPEG available</li><li>• <b>Movies:</b> H.264 standard with stereo sound (MOV)</li><li>• <b>Audio (voice memos):</b> Stereo sound (WAV)</li></ul>		
Image size	<b>L</b> 3:2 (6000 × 4000) <b>M</b> 3:2 (4240 × 2832) <b>S</b> 3:2 (3008 × 2000)  <b>RAW</b> (6000 × 4000)	<b>L</b> 16:9 (6000 × 3376) <b>M</b> 16:9 (4240 × 2384) <b>S</b> 16:9 (3008 × 1688)  <b>L</b> panorama: vertical (2160 × 9600)/horizontal (9600 × 1440) <b>M</b> panorama: vertical (2160 × 6400)/horizontal (6400 × 1440)	<b>L</b> 1:1 (4000 × 4000) <b>M</b> 1:1 (2832 × 2832) <b>S</b> 1:1 (2000 × 2000)
Lens mount	FUJIFILM X mount		
Sensitivity	<ul style="list-style-type: none"><li>• <b>Still pictures:</b> Standard output sensitivity equivalent to ISO 200–12800 in increments of <math>\frac{1}{3}</math> EV; AUTO; extended output sensitivity equivalent to ISO 100, 125, 160, 25600, or 51200</li><li>• <b>Movies:</b> Standard output sensitivity equivalent to ISO 200–12800 in increments of <math>\frac{1}{3}</math> EV; AUTO; extended output sensitivity equivalent to ISO 25600</li></ul>		
Metering	256-segment through-the-lens (TTL) metering; MULTI, SPOT, AVERAGE, CENTER WEIGHTED		
Exposure control	Programmed AE (with program shift); shutter-priority AE; aperture-priority AE; manual exposure		
Exposure compensation	<ul style="list-style-type: none"><li>• <b>Still pictures:</b> −5 EV–+5 EV in increments of <math>\frac{1}{3}</math> EV</li><li>• <b>Movies:</b> −2 EV–+2 EV in increments of <math>\frac{1}{3}</math> EV</li></ul>		

System				
Shutter speed	Mode P	Mode A	Modes S and M	Bulb
<b>MECHANICAL SHUTTER</b>	4 s to $\frac{1}{8000}$ s	30 s to $\frac{1}{8000}$ s	15 min. to $\frac{1}{8000}$ s	Max. 60 min.
<b>ELECTRONIC SHUTTER</b>	4 s to $\frac{1}{32000}$ s	30 s to $\frac{1}{32000}$ s	15 min. to $\frac{1}{32000}$ s	Fixed at 1 s
<b>E-FRONT CURTAIN SHUTTER</b>				
<b>E-FRONT + MECHANICAL</b>	4 s to $\frac{1}{8000}$ s	30 s to $\frac{1}{8000}$ s	15 min. to $\frac{1}{8000}$ s	Max. 60 min.
<b>MECHANICAL + ELECTRONIC</b>				
<b>E-FRONT CURTAIN + MECHANICAL + ELECTRONIC</b>	4 s to $\frac{1}{32000}$ s	30 s to $\frac{1}{32000}$ s	15 min. to $\frac{1}{32000}$ s	Max. 60 min.

Continuous		Frame rate	Frames per burst
<b>CH</b>	<b>14 fps</b>	14	Up to approximately 40
	<b>11 fps</b>	11	Up to approximately 49
	<b>8.0 fps</b>	8.0	Up to approximately 51
<b>CM</b>	—	6.0	Up to approximately 52
<b>CL</b>	<b>5.0 fps</b>	5.0	Up to approximately 54
	<b>4.0 fps</b>	4.0	Up to approximately 56
	<b>3.0 fps</b>	3.0	Up to approximately 59

**!** Note that **14 fps** is available only with the electronic shutter and **11 fps** only with the electronic shutter or a power-booster grip.

The frame rate varies with shooting conditions and the number of images recorded. In addition, the frame rate and number of frames per burst may vary depending on the type of memory card used.

<b>Focus</b>	<ul style="list-style-type: none"> <li><b>Mode:</b> Single or continuous AF; manual focus with focus ring</li> <li><b>Focus-area selection:</b> SINGLE POINT, ZONE, WIDE/TRACKING, ALL</li> <li><b>Autofocus system:</b> Intelligent hybrid AF (TTL contrast-detect/phase-detection AF) with AF-assist illuminator</li> </ul>
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System	
<b>White balance</b>	Custom 1, Custom 2, Custom 3, color temperature selection, auto, direct sunlight, shade, daylight fluorescent, warm white fluorescent, cool white fluorescent, incandescent, underwater
<b>Self-timer</b>	Off, 2 sec., 10 sec.
<b>Flash mode</b>	<ul style="list-style-type: none"> <li>• <b>MODE:</b> TTL MODE (FLASH AUTO, STANDARD, SLOW SYNC.), MANUAL, COMMANDER, OFF</li> <li>• <b>SYNC. MODE:</b> 1ST CURTAIN, 2ND CURTAIN, AUTO FP (high-speed sync)</li> <li>• <b>RED EYE REMOVAL:</b>  FLASH+REMOVAL,  FLASH,  REMOVAL, OFF</li> </ul>
<b>Hot shoe</b>	Accessory shoe with TTL contacts; supports sync speeds as fast as $1/250$ s
<b>Sync contact</b>	X contact; supports sync speeds as fast as $1/250$ s
<b>Sync terminal</b>	Provided
<b>Viewfinder</b>	0.5-in., 3690k-dot color OLED viewfinder with diopter adjustment (-4 to +2 m <sup>-1</sup> ); magnification 0.75x with 50 mm lens (35 mm format equivalent) at infinity and diopter set to -1.0 m <sup>-1</sup> ; diagonal angle of view approximately 38.0° (horizontal angle of view approximately 30.0°); eye point approx. 23 mm
<b>LCD monitor</b>	<ul style="list-style-type: none"> <li>• <b>Rear monitor:</b> 3.0-in/7.6 cm, 1040k-dot color LCD touch screen with 3-way tilt</li> <li>• <b>Shoulder monitor:</b> 1.28-in/3.25 cm, 128 × 128-dot memory LCD monitor</li> </ul>
<b>Movies (with stereo sound)</b>	<ul style="list-style-type: none"> <li>• <b>Movie size:</b>  16:9,  17:9,  16:9,  17:9,  16:9</li> <li>• <b>Frame rate:</b> 59.94P, 50P, 29.97P, 25P, 24P, 23.98P</li> <li>• <b>Bit rate:</b> 200Mbps, 100Mbps, 50Mbps</li> </ul>

### Input/output terminals

<b>Microphone connector</b>	ø3.5 mm mini-stereo jack
<b>Digital input/output</b>	USB3.0/USB2.0 High-Speed; Micro USB connector (Micro-B)
<b>HDMI output</b>	HDMI Micro connector (type D)
<b>Remote release connector</b>	ø2.5 mm

**Power supply/other**

<b>Power supply</b>	NP-W126S rechargeable battery (supplied with camera)		
<b>Battery life</b>	<ul style="list-style-type: none"> <li><b>Battery type:</b> NP-W126S</li> <li><b>Photographs:</b> The number of frames varies with the option selected for <b>PERFORMANCE</b>:</li> </ul>		
	<b>Camera battery alone</b>		
	<b>PERFORMANCE</b>	<b>LCD</b>	<b>EVF</b>
	<b>BOOST</b>	Approx. 220	Approx. 180
	<b>NORMAL</b>	Approx. 293	Approx. 280
<b>With VPB-XH1 vertical power-booster grip</b>			
	<b>PERFORMANCE</b>	<b>LCD</b>	<b>EVF</b>
	<b>BOOST</b>	Approx. 650	Approx. 530
	<b>NORMAL</b>	Approx. 867	Approx. 830
<ul style="list-style-type: none"> <li><b>Movies:</b> The length of footage that can be recorded varies with the movie mode:</li> </ul>			
	<b>Mode</b>	<b>Actual battery life of movie capture</b>	<b>Continuance battery life of movie capture</b>
	<b>4K</b>	Approx. 35 minutes	Approx. 45 minutes
	<b>FHD</b>	Approx. 45 minutes	Approx. 75 minutes
	<b>High-speed movies</b>	Approx. 40 minutes	—
<p>Approximate number of frames that can be taken with an XF 35 mm f/1.4R lens, the supplied flash disabled, and a fully-charged battery in mode <b>P</b>. CIPA standard, measured using battery supplied with camera and SD memory card.</p>			
<p><b>Note:</b> Battery life varies with battery charge level and will decline at low temperatures.</p>			
<b>Camera size</b> (W × H × D)	139.8 mm × 97.3 mm × 85.5 mm (39.5 mm excluding projections, measured at thinnest part)/5.50 in. × 3.83 in. × 3.37 in. (1.56 in.)		
<b>Camera weight</b>	Approx. 625 g/22.0 oz., excluding battery, accessories, and memory card		
<b>Shooting weight</b>	Approx. 675 g/23.8 oz., including battery and memory card		
<b>Operating conditions</b>	<ul style="list-style-type: none"> <li><b>Temperature:</b> −10 °C to +40 °C/+14 °F to +104 °F</li> <li><b>Humidity:</b> 10% to 80% (no condensation)</li> </ul>		

**Wireless transmitter****Wireless LAN****Standards** IEEE 802.11b/g/n (standard wireless protocol)**Operating frequency (center frequency)** • **Japan, China:** 2,412 MHz–2,472 MHz (13 channels)  
• **Other countries:** 2,412 MHz–2,462 MHz (11 channels)**Access protocols** Infrastructure**Bluetooth®****Standards** Bluetooth version 4.0 (Bluetooth Low Energy)**Operating frequency (center frequency)** 2,402 MHz–2,480 MHz**EF-X8 shop-mounted batch unit****Guide number** GN8 (ISO100), GN11 (ISO200)**Dimensions** 39.7 mm × 24.2 mm × 63.4 mm/1.6 in. × 1.0 in. × 2.5 in.  
(W × H × D)**Weight** Approx. 41 g/1.4 oz.**NP-W126S rechargeable battery****Nominal voltage** 7.2 V**Nominal capacity** 1260 mAh**Operating temperature** 0 °C to +40 °C/+32 °F to +104 °F**Dimensions** 36.4 mm × 47.1 mm × 15.7 mm/1.4 in. × 1.9 in. × 0.6 in.  
(W × H × D)**Weight** Approx. 47 g/1.7 oz.**BC-W126 battery charger****Rated input** 100V–240V AC, 50/60Hz**Input capacity** 13–21VA**Rated output** 8.4V DC, 0.6 A**Supported batteries** NP-W126S rechargeable batteries**Charging time** Approx. 150 minutes (+20 °C/+68 °F)**Operating temperature** 5 °C to +40 °C/+41 °F to +104 °F**Dimensions** 65 mm × 91.5 mm × 28 mm/2.6 in. × 3.6 in. × 1.1 in., excluding  
(W × H × D) projections**Weight** Approx. 77 g/2.7 oz.

## VPB-XH1 vertical power-booster grip

<b>Power supply</b>	<ul style="list-style-type: none"> <li><b>Battery:</b> NP-W126S rechargeable battery</li> <li><b>AC power adapter:</b> AC-9VS AC power adapter</li> <li><b>Charging time:</b> Approx. 120 minutes (when charging two batteries simultaneously)</li> </ul>
<b>Operating temperature</b>	−10 °C to +40 °C/+14 °F to +104 °F (0 °C to 40 °C/+32 °F to +104 °F when batteries are charging)
<b>Dimensions (W × H × D)</b>	141.2 mm × 56.6 mm × 65.8 mm/5.6 in. × 2.2 in. × 2.6 in., excluding projections
<b>Weight (excluding battery)</b>	Approx. 300 g/10.6 oz.

## AC-9VS AC power adapter

<b>Rated input</b>	100V–240V AC, 50/60Hz
<b>Rated output</b>	9.0V DC, 2.0 A
<b>Operating temperature</b>	0 °C to +40 °C/+32 °F to +104 °F
<b>Dimensions (W × H × D)</b>	43.3 mm × 31.3 mm × 101 mm/1.7 in. × 1.2 in. × 4 in.
<b>Weight</b>	Approx. 170 g/6.0 oz. (without the connection cord)

\* VPB-XH1 vertical power-booster grip supplied with VPB-XH1 kit only.

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

 Specifications and performance are subject to change without notice. FUJIFILM will not be held liable for any errors this manual may contain. The appearance of the product may differ from that described in this manual.

## **MEMO**

**Remarques relatives à l'octroi d'autorisation** : pour être conforme à la Partie 15 de la réglementation de la FCC, ce produit doit être utilisé avec un câble A/V, un câble USB et un câble d'alimentation CC avec tores de ferrite, tels que préconisés par Fujifilm.



Une batterie lithium-ion recyclable alimente le produit que vous avez acheté. Veuillez composer le 1-800-8-BATTERY pour obtenir des informations sur le recyclage de cette batterie.

#### *À l'attention des clients résidant au Canada*

##### **CAN ICES-3 (B)/NMB-3(B)**

**ATTENTION** : cet appareil numérique de classe B est conforme à la norme canadienne ICES-003.

**Déclaration d'Industrie Canada** : cet appareil est conforme aux CNR exemptes de licence d'Industrie Canada. L'exploitation est autorisée aux deux conditions suivantes : (1) Cet appareil ne doit pas produire de brouillage ; et (2) Cet appareil doit accepter tout brouillage, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet appareil et son ou ses antennes ne doivent pas être placés au même endroit que ou utilisés en conjonction avec toute autre antenne ou tout autre émetteur, à l'exception des radios intégrées qui ont été testées. La fonction de sélection de l'indicatif du pays est désactivée sur les produits commercialisés aux États-Unis et au Canada.

**Déclaration relative à l'exposition aux radiations** : les connaissances scientifiques dont nous disposons n'ont mis en évidence aucun problème de santé associé à l'usage des appareils sans fil à faible puissance. Nous ne sommes cependant pas en mesure de prouver que ces appareils sans fil à faible puissance sont entièrement sans danger. Les appareils sans fil à faible puissance émettent une énergie à fréquence radioélectrique (RF) très faible dans le spectre des micro-ondes lorsqu'ils sont utilisés. Alors qu'un niveau élevé de RF peut avoir des effets sur la santé (en chauffant les tissus), l'exposition à de faibles RF qui ne produisent pas de chaleur n'a pas de mauvais effets connus sur la santé. De nombreuses études ont été menées sur les expositions aux RF faibles et n'ont découvert aucun effet biologique. Certaines études ont suggéré qu'il pouvait y avoir certains effets biologiques, mais ces résultats n'ont pas été confirmés par des recherches supplémentaires. Le X-E3 a été testé et jugé conforme aux limites d'exposition aux rayonnements IC énoncées pour un environnement non contrôlé et respecte les règles d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'IC.

#### *Mise au rebut du matériel électrique et électronique des particuliers*

**Applicable à l'Union européenne, la Norvège, l'Islande et le Liechtenstein** : ce symbole sur le produit, ou dans le manuel et sur la garantie, et/ou sur son emballage, indique que l'appareil ne doit pas être traité comme un déchet ménager. Il doit être déposé dans un point de collecte qui recycle le matériel électrique et électronique.



En vous débarrassant correctement de ce produit, vous contribuez à éviter des conséquences préjudiciables pour l'environnement et la santé de l'homme, qui peuvent être provoquées en jetant ce produit de manière inappropriée.

Ce symbole sur les piles ou les batteries indique que ces piles/batteries ne doivent pas être traitées comme des déchets ménagers.



Si votre matériel contient des piles ou des batteries faciles à retirer, merci de les jeter séparément conformément aux réglementations locales.

Le recyclage des matériaux contribuera à préserver les ressources naturelles. Pour obtenir plus d'informations sur le recyclage de ce produit, renseignez-vous auprès de votre mairie, de la déchèterie la plus proche de votre domicile ou du magasin où vous l'avez acheté.

**Applicable aux pays n'appartenant pas à l'Union européenne et autres que la Norvège, l'Islande et le Liechtenstein** : si vous souhaitez jeter ce produit, y compris les piles ou les batteries, renseignez-vous auprès des autorités locales pour connaître les moyens de retraitement existants.

**Au Japon** : ce symbole sur les piles ou les batteries indique qu'elles doivent être éliminées séparément.



#### Péphériques réseau sans fil et Bluetooth : précautions

Ce produit est conforme aux directives de l'UE suivantes :

- Directive RoHS 2011/65/UE
- Directive RE 2014/53/UE

Le soussigné, FUJIFILM Corporation, déclare que l'équipement radioélectrique du type FF170002 est conforme à la directive 2014/53/UE.

Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante : [http://www.fujifilm.com/products/digital\\_cameras/x/fujifilm\\_x\\_h1/pdf/index/fujifilm\\_x\\_h1\\_cod.pdf](http://www.fujifilm.com/products/digital_cameras/x/fujifilm_x_h1/pdf/index/fujifilm_x_h1_cod.pdf)  
Cette conformité est indiquée par le marquage suivant placé sur le produit :



Ce marquage est valable pour les produits non-Télécom et les produits Télécom harmonisés de l'UE (comme le Bluetooth®).

**IMPORTANT** : *lisez les notifications suivantes avant d'utiliser le transmetteur intégré sans fil de l'appareil photo.*

① Ce produit, qui contient une fonction de cryptage développée aux États-Unis, est contrôlé par la réglementation américaine en matière d'exportations (US Export Administration Regulations) et ne peut être ni exporté ni ré-exporté vers des pays sous embargo des États-Unis.

• **Utilisez uniquement un périphérique réseau sans fil ou Bluetooth.** FUJIFILM ne peut pas être tenu responsable de dommages provenant d'une utilisation non autorisée. Ne l'utilisez pas dans des applications exigeant une extrême fiabilité, par exemple dans des appareils médicaux ou dans tout autre système qui peuvent mettre en péril directement ou indirectement la vie d'autrui. Lorsque vous utilisez l'appareil dans des ordinateurs ou d'autres systèmes qui demandent un plus haut degré de fiabilité que des périphériques réseau sans fil ou Bluetooth, veillez à prendre toutes les mesures nécessaires pour assurer la sécurité et empêcher tout dysfonctionnement.

- **Utilisez-le uniquement dans son pays d'achat.** Cet appareil est conforme aux réglementations régissant les périphériques réseau sans fil et Bluetooth dans le pays d'achat. Respectez toutes les réglementations locales en vigueur lorsque vous utilisez cet appareil. FUJIFILM ne peut pas être tenu responsable des problèmes provoqués par une utilisation sous d'autres juridictions.
- **N'utilisez pas cet appareil dans des endroits exposés à des champs magnétiques, de l'électricité statique ou des interférences radio.** N'utilisez pas le transmetteur à proximité de fours à micro-ondes ou dans tout autre lieu exposé à des champs magnétiques, de l'électricité statique ou des interférences radio qui peuvent empêcher la réception des signaux sans fil. Une interférence mutuelle peut se produire lorsque le transmetteur est utilisé à proximité d'autres appareils sans fil fonctionnant dans la bande 2,4 GHz.
- **Le transmetteur sans fil fonctionne dans la bande 2,4 GHz en utilisant la modulation DSSS, OFDM et GFSK.**
- **Sécurité** : les périphériques réseau sans fil et Bluetooth transmettent les données via radio. Par conséquent, leur utilisation exige d'accorder une plus grande attention à la sécurité qu'avec les réseaux câblés.
  - Ne vous connectez pas à des réseaux inconnus ou à des réseaux pour lesquels vous ne disposez pas des droits d'accès, même s'ils sont affichés sur votre périphérique, étant donné qu'y accéder peut être considéré comme une utilisation non autorisée. Connectez-vous uniquement aux réseaux pour lesquels vous disposez des droits d'accès.
  - N'oubliez pas que les transmissions sans fil sont susceptibles d'être interceptées par des tiers.
- **Les actions suivantes sont possibles de poursuites :**
  - Démontage ou modification de cet appareil
  - Retrait des étiquettes de certification de l'appareil
- **Cet appareil fonctionne sur la même fréquence que les appareils commerciaux, éducatifs et médicaux et les transmetteurs sans fil.** Il fonctionne également sur la même fréquence que les transmetteurs brevetés et les transmetteurs basse tension non brevetés spéciaux fonctionnant dans les systèmes de traçabilité RFID (systèmes d'identification par radiofréquence) des lignes d'assemblage ou d'application similaire.
- **Pour empêcher l'interférence avec les appareils ci-dessus, respectez les consignes suivantes.** Vérifiez que le transmetteur RFID ne fonctionne pas avant d'utiliser cet appareil. Si vous remarquez que cet appareil provoque des interférences avec les transmetteurs brevetés utilisés par le système de traçabilité RFID, réglez-le immédiatement sur une nouvelle fréquence de transmission afin d'éviter d'autres interférences. Si vous remarquez que cet appareil provoque des interférences avec des systèmes de traçabilité RFID basse tension, contactez un représentant FUJIFILM.
- **N'utilisez pas cet appareil à bord d'un avion.** Notez que le Bluetooth peut rester activé même lorsque l'appareil photo est éteint. Il est possible de désactiver le Bluetooth en sélectionnant **NON** pour  **PARAM.CONNEXION > RÉGLAGES Bluetooth > Bluetooth ON/OFF.**

**Lisez attentivement ces remarques avant toute utilisation****Consignes de sécurité**

- Veillez à utiliser correctement l'objectif. Pour cela, lisez attentivement ces remarques relatives à la sécurité et le *Manuel du propriétaire* de l'appareil photo avant toute utilisation.
- Après avoir lu ces consignes de sécurité, rangez-les dans un endroit sûr.

**À propos des icônes**

Les icônes illustrées ci-dessous sont utilisées dans ce document pour indiquer le degré de gravité des blessures ou dommages qui peuvent se produire si vous n'observez pas les informations indiquées par l'icône et donc utilisez ce produit de manière incorrecte.

	<b>AVERTISSEMENT</b>	Cette icône indique que le fait de ne pas observer les informations mentionnées peut entraîner la mort ou des blessures graves.
	<b>ATTENTION</b>	Cette icône indique que le fait de ne pas observer les informations mentionnées peut entraîner des blessures ou endommager le matériel.

Les icônes illustrées ci-dessous sont utilisées pour indiquer la nature des instructions que vous devez observer.

	Les icônes triangulaires vous indiquent que ces informations nécessitent votre attention (« Important »)
	Les icônes circulaires barrées en diagonale vous informent que l'action indiquée est interdite (« Interdit »)
	Les cercles pleins qui contiennent un point d'exclamation vous informent que l'action doit être réalisée (« Requis »).

**AVERTISSEMENT**

	<b><i>N'immergez pas le produit dans l'eau et ne l'exposez pas à l'eau.</i></b> Le non-respect de cette précaution peut provoquer un incendie ou une décharge électrique.
	<b><i>Ne démontez pas le produit (n'ouvez pas le boîtier).</i></b> Le non-respect de cette précaution peut provoquer un incendie, une décharge électrique ou des blessures dues au dysfonctionnement du produit.
	<b><i>Dans le cas où le boîtier s'ouvrirait suite à une chute ou à un autre accident, ne touchez pas les pièces mises à nu.</i></b> Le non-respect de cette précaution pourrait provoquer une décharge électrique ou une blessure suite à la manipulation des pièces endommagées. Retirez immédiatement la batterie, en évitant de vous blesser ou de recevoir une décharge électrique, puis confiez le produit au revendeur d'origine pour le faire vérifier.
	<b><i>Ne le posez pas sur des surfaces instables.</i></b> Le produit pourrait tomber et provoquer ainsi des blessures.

 AVERTISSEMENT

 **Ne regardez pas le soleil à travers l'objectif ou le viseur de l'appareil photo.** Le non-respect de cette précaution peut se solder par une déficience visuelle permanente.

 ATTENTION

 **N'utilisez pas ce produit ou ne le rangez pas dans des lieux exposés à la vapeur, à la fumée ou qui sont très humides ou extrêmement poussiéreux.** Le non-respect de cette précaution peut provoquer un incendie ou une décharge électrique.

 **Ne laissez pas le produit à la lumière directe du soleil ou dans des endroits exposés à de très hautes températures, comme dans un véhicule fermé en plein soleil.** Le non-respect de cette précaution peut provoquer un incendie.

 **Conservez hors de la portée des enfants en bas âge.** Ce produit peut provoquer des blessures s'il est laissé dans les mains d'un enfant.

 **Ne manipulez pas le produit avec les mains mouillées.** Le non-respect de cette précaution peut provoquer une décharge électrique.

 **Maintenez le soleil à l'extérieur du cadre lorsque vous photographiez ou filmez des sujets en contre-jour.** Lorsque le soleil se trouve près du cadre ou dans celui-ci, la lumière du soleil risque de se concentrer dans l'appareil photo et de provoquer un incendie ou des brûlures.

 **Lorsque vous n'utilisez pas le produit, remettez en place les bouchons d'objectif et rangez-le à l'abri de la lumière directe du soleil.** La lumière du soleil concentrée dans l'objectif risque de provoquer un incendie ou des brûlures.

 **Ne transportez pas l'appareil photo ou l'objectif lorsqu'ils sont installés sur un trépied.** Le produit risque de tomber ou de cogner d'autres objets et de provoquer ainsi des blessures.

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[http://www.fujifilm.com/products/digital\\_cameras/index.html](http://www.fujifilm.com/products/digital_cameras/index.html)

