# **FUJ!FILM**



Owner's Manual

# 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

For the latest information on this product, including the latest versions of the manuals and sample color photographs, visit:

http://fujifilm-dsc.com/manuals/



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





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#### **Menu List**

Camera menu options are listed below.

# **Shooting Menus**

Adjust settings when shooting photos or movies.



See page 113 for details.

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	Connecting to HDMI Devices

# **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 (× 2)
- Clip attaching tool
- Protective covers (× 2)
- Shoulder strap
- Hot shoe cover (comes attached to hot shoe)
- Sync terminal cap (comes attached to camera)
- Vertical battery grip connector cover (comes attached to camera)
- Owner's Manual (this manual)



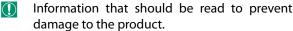
If you purchased a lens kit, check that a lens is included.

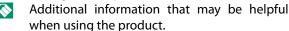
# **About This Manual**

This manual contains instructions for your FUJIFILM X-T2 digital camera. Be sure you have read and understood its contents before proceeding.

#### Symbols and Conventions

The following symbols are used in this manual:





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.

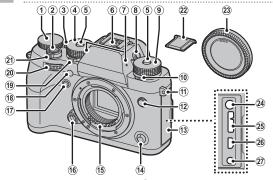
### Terminology

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".

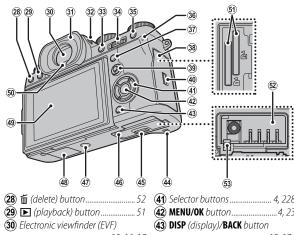
# **Before You Begin**



# **Parts of the Camera**



1 Exposure compensation dial	(16) Lens release button
	(17) Fn2 button256
<b>2</b> Shutter button 50	(18) AF-assist illuminator 142
3 Fn1 button256	
<b>4</b> ) Shutter speed dial5, 64, 72	
<b>5</b> Dial lock release5	<b>20</b> Front command dial 7, 228
<b>6</b> Hot shoe 108	<b>21 ON/OFF</b> switch
<b>7</b> Microphone170	<b>22</b> Hot shoe cover108
8 Diopter adjustment control 11	<b>23</b> Body cap28
<b>9</b> Sensitivity dial5, 88, 229	(24) Microphone jack (Ø 3.5 mm) 55
<b>10</b> Drive dial5	<b>25</b> Micro USB (Micro-B) USB 3.0/USB 2.0
11) Strap eyelet26	
<b>12</b> ) Sync terminal267	<b>26</b> HDMI Micro connector (Type D)
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15) Lens signal contacts	(ø 2.5 mm)68



<b>30</b> Electronic viewfinder (EVF)
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<b>31</b> ) Eye cup
<b>32 VIEW MODE</b> button
33) AE-L (exposure lock) button 94
(34) Rear command dial
7, 176, 228
<b>35) AF-L</b> (focus lock) button94
<b>36</b> Indicator lamp9, 33
<b>37) Q</b> (quick menu) button251
<b>38</b> ) Memory card slot cover 37
<b>39</b> Focus stick (focus lever)
4, 80, 223
<b>40</b> Memory card slot cover latch 37

4	
41)	Selector buttons
<u>(42)</u>	MENU/OK button4, 23
<b>43</b> )	DISP (display)/BACK button
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44)	Speaker58
<b>(45)</b>	Battery-chamber cover latch 34
<b>46</b> )	Battery-chamber cover34
<b>(47</b> )	Tripod mount
<b>(48)</b>	Vertical battery grip connector
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<b>(50)</b>	Eye sensor 16
<u>(51)</u>	Memory card slots 1 and 2 37
	Battery chamber34
<b>(53</b> )	Battery latch36
_	•

#### The Selector

Press the selector up ( $\triangle$ ), right  $(\triangleright)$ , down  $(\triangledown)$ , or left  $(\blacktriangleleft)$  to highlight items.

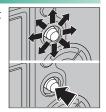


#### Control Lock-

To prevent accidental operation of the selector and **Q** button during shooting, press MENU/OK until 🧌 is displayed. The controls can be unlocked by pressing MENU/OK until en is no longer displayed.

#### The Focus Stick

Tilt or press the focus stick to select the focus area.



#### The Shutter Speed and Sensitivity Dials

Press the dial lock release to release the dial before rotating it to the desired setting. Press the release again to lock the dial in place.



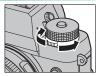


Sensitivity

Shutter speed

#### The Drive Dial

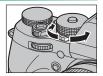
Rotate the dial to choose from the following the drive modes.



Mode		Mode	
Movie	54	<b>S</b> Single frame	48
<b>BKT</b> Bracketing	95	■ Multiple exposure	100
<b>CH</b> High-speed burst	98	ADV. Advanced filter	102
<b>CL</b> Low-speed burst	70	☐ Panorama	104

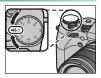
# The Metering Dial

Rotate the dial to choose the metering mode.



# The Exposure Compensation Dial

Rotate the dial to choose an exposure compensation amount.



#### The Command Dials

Rotate or press the command dials to:

#### Front command dial



Select menu tabs or page through menus.

#### Adjust aperture. Rotate



- Adjust exposure compensation when C is selected with exposure compensation dial.
- View other pictures during playback.

#### Press



Switch back and forth between aperture and exposure compensation when C is selected with the exposure compensation dial.



#### Highlight menu items.

- Choose the desired combination of shutter speed and aperture (program shift).
- Choose a shutter speed.
- Adjust settings in the quick menu.
- Choose the size of the focus frame.
- Zoom in or out during focus zoom or in full frame or multi-frame playback.
- Perform the function assigned to the *DIAL* function button.
- Zoom in on the active focus point.\*
- Press and hold to choose the manual focus mode focus display.\*
- Zoom in on the active focus point during playback.





<sup>\*</sup> Available only if **FOCUS CHECK** is assigned to a function button.

# The Indicator Lamp

When the viewfinder is not in use, camera status is shown by the indicator lamp.



Indicator lamp	Camera status
Glows green	Focus locked.
Blinks green	Focus or exposure warning. Pictures can be taken.
Blinks green	Recording pictures. Additional pictures can be tak-
and orange	en.
Glows orange	Recording pictures. No additional pictures can be
Glows orange	taken at this time.
Blinks orange	Flash charging; flash will not fire when picture is taken.
Blinks red	Lens or memory error.



Warnings may also appear in the display.

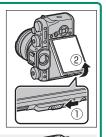
#### The LCD Monitor

The LCD monitor can be tilted for easier viewing, but be careful not to touch the wires or trap fingers or other objects behind the monitor. Touching the wires could cause camera malfunction.



#### "Tall" (Portrait) Orientation-

When the camera is rotated to take pictures in "tall" (portrait) orientation, you can tilt the display as shown. This is particularly useful when taking pictures from low or high angles.





Hold the camera as shown when taking "tall" (portrait) orientation pictures from high angles.



# Focusing the Viewfinder

The camera is equipped with diopter adjustment in the range –4 to +2 m<sup>-1</sup> to accommodate individual differences in vision. Rotate the diopter adjustment control until the viewfinder display is in sharp focus.



#### The Eye Cup

To remove the eye cup, press the bottom in with both thumbs and slide eye cup up.



# Camera Displays

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

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

# The Electronic Viewfinder 10 12 14 13 36 35 -34 33 -1 Re 32 31-30 28 M [Ø] ∰ ₹ 12000 F 5.6 B + 1.0 26 27

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Flash compensation110	<b>21</b> Battery level43
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4 Continuous mode	<b>23</b> Exposure compensation
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<b>9</b> Dynamic range121	<b>27</b> Metering91
10 Location data download	<b>28</b> Shooting mode
status246	<b>29</b> Focus mode <sup>†</sup>
11) Date and time44, 204, 205	30 Distance indicator86
<b>12</b> Movie mode54, 167	31) Recording level170
<b>13</b> Time remaining54	<b>32</b> Exposure indicator 72, 92
<b>14</b> Card slot options39, 241	<b>33</b> Virtual horizon21
<b>(15)</b> Number of available frames*336	<b>34</b> Focus frame 79, 93
<b>16</b> Image quality and size115, 116	35 Depth-of-field preview 70, 86
17) Temperature warning335	<b>36</b> Focus check
(18) Control lock4	

<sup>\*</sup> Shows "9999" if there is space for over 9999 frames.

#### Control Lock-

Pressing a locked control displays a 👫 icon.



<sup>†</sup> In-focus (((()))) or manual focus (()) indicator may also be displayed.

#### The LCD Monitor 70 O LN 12/31/2016 12:00 AM 35 → 311-1-•**M** [◎] [[] 55 1000

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3 Depth-of-field preview 70, 86	<b>21</b> Battery level
4 Recording level170	<b>22</b> Sensitivity88
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* Chaus "0000": f than is an an far au	or 0000 frames

<sup>\*</sup> Shows "9999" if there is space for over 9999 frames.

#### Control Lock-

Pressing a locked control displays a 😭 icon.



<sup>†</sup> In-focus (((())) or manual focus (()) indicator may also be displayed.

## Choosing a Display Mode

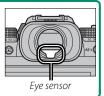
Press the **VIEW MODE** button to cycle through the following display modes:



- **EYE SENSOR**: Putting your eye to the viewfinder turns the view
  - finder on and the LCD monitor off; taking your eye away turns the viewfinder off and LCD monitor on.
- EVF ONLY: Viewfinder on, LCD monitor off.
- LCD ONLY: LCD monitor on, viewfinder off.
- EVF ONLY + ...: Putting your eye to the viewfinder turns the viewfinder on; taking it away turns the viewfinder off. The LCD monitor remains off.
- EYE SENSOR + LCD IMAGE DISP.: Putting your eye to the viewfinder during shooting turns the viewfinder on, but the LCD monitor is used for the display of images immediately after shooting.

## The Eye Sensor-

The eye sensor may respond to objects other than your eye or to light shining directly on the sensor.



## Adjusting Display Brightness

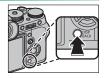
The brightness and hue of the viewfinder and LCD monitor can be adjusted using the items in the SCREEN SET-UP menu. Choose EVF BRIGHTNESS or EVF COLOR to adjust viewfinder brightness or hue, LCD BRIGHTNESS or LCD COLOR to do the same for the LCD monitor.

## **Display Rotation**

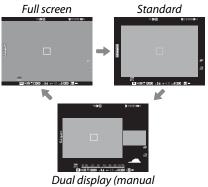
When **ON** is selected for **SCREEN SET-UP** > **AUTOROTATE DISPLAYS**, the indicators in the viewfinder and LCD monitor automatically rotate to match camera orientation.

## The DISP/BACK Button

The DISP/BACK button controls the display of indicators in the viewfinder and LCD monitor.

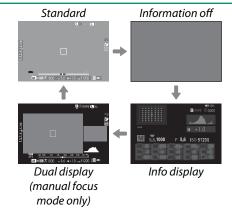


## Viewfinder



focus mode only)

#### **LCD Monitor**



## The Dual Display

The dual display consists of a large full-frame window and a smaller close-up of the focus area.



The content of the large and small windows in the display can be switched using **☑** SCREEN SET-UP > DUAL DISPLAY SETTING.

## Customizing the Standard Display

To choose the items shown in the standard display:

- 1 Display standard indicators. Press the DISP/BACK button until standard indicators are displayed.
- 2 Select DISP. CUSTOM SETTING. Select SCREEN SET-UP > DISP. CUSTOM SETTING in the setup menu.
- 3 Choose items.
  Highlight items and press MENU/OK to select or deselect.
  - FRAMING GUIDELINE
  - ELECTRONIC LEVEL
  - FOCUS FRAME
  - AF DISTANCE INDICATOR
  - MF DISTANCE INDICATOR
  - HISTOGRAM
  - SHOOTING MODE
  - APERTURE/S-SPEED/ISO
  - INFORMATION BACKGROUND
  - Expo. Comp. (Digit)
  - Expo. Comp. (Scale)
  - FOCUS MODE
  - PHOTOMETRY

- SHUTTER TYPE
- FLASH
- CONTINUOUS MODE
- DUAL IS MODE
- WHITE BALANCE
- FILM SIMULATION
- DYNAMIC RANGE
- BOOST MODE
  - FRAMES REMAINING
  - IMAGE SIZE/QUALITY
  - MOVIE MODE & REC. TIME
- MIC LEVEL
  - BATTERY I EVEL
  - FRAMING OUTLINE

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

#### Virtual Horizon−

Selecting **ELECTRONIC LEVEL** displays a virtual horizon. The camera is level when the two lines overlap. Note that the virtual horizon may not be displayed if the camera lens is pointed up or down.



## Framing Outline

Enable **FRAMING OUTLINE** to make the borders of the frame easier to see against dark backgrounds.

#### Histograms-

Histograms show the distribution of tones in the image. Brightness is shown by the horizontal axis, the number of pixels by the vertical axis.



- Optimal exposure: Pixels are distributed in an even curve throughout the tone range.
- 111
- **Overexposed**: Pixels are clustered on the right side of the graph.
- **Underexposed**: Pixels are clustered on the left side of the graph.





## **Using the Menus**

To display the menus, press MENU/OK.







## To navigate the menus:

1 Press MENU/OK to display the menus.

GRANGE WHITE DALANCE WHITE DAL

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



- 3 Press the selector up or down to highlight the tab (M, M, J, M, M, M, M) or M containing the desired item.
- 4 Press the selector right to place the cursor in the menu.
- Substitute the front command dial to scroll through the menus a page at a time.

# First Steps

## **Attaching the Strap**

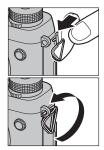
Attach the strap clips to the camera and then attach the strap.

1 Open a strap clip.

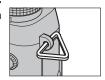
Use the clip attaching tool to open a strap clip, making sure that the tool and clip are in the orientations shown.



- 2 Place the strap clip on an eyelet. Hook the strap eyelet in the clip opening. Remove the tool, using the other hand to keep the clip in place.
  - Keep the tool in a safe place, as you will need it to open the strap clips when removing the strap.

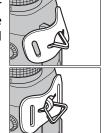


3 Pass the clip through the eyelet. Rotate the clip fully through the eyelet until it clicks closed.



4 Attach a protective cover.

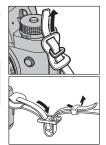
Place a protective cover over the eyelet as shown, with the black side of the cover toward the camera.



5 Fasten the strap. Insert the strap through a protective cover and strap clip and fasten as shown.



To avoid dropping the camera, be sure the strap is correctly secured





## Attaching a Lens

The camera can be used with lenses for the FUJIFILM X-mount.

Remove the body cap from the camera and the rear cap from the lens. Place the lens on mount. keeping the marks on the lens and camera aligned, and then rotate the lens until it clicks into place.





When attaching lenses, ensure that dust or other foreign matter does not enter the camera and be careful not to touch the camera's internal parts. Do not press the lens release button while attaching the lens and be sure the latch has securely clicked into place.

#### Removing Lenses

To remove the lens, turn the camera off, then press the lens release button and rotate the lens as shown.





To prevent dust accumulating on the lens or inside the camera, replace the lens caps and camera body cap when the lens is not attached.

#### Lenses and Other Optional Accessories

The camera can be used with lenses and accessories for the FUJIFILM X-mount.

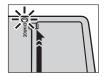
## Charging the Battery

The battery is not charged at shipment. Before use, charge the battery in the supplied battery charger.

- An NP-W126S rechargeable battery is supplied with the camera; optional lower-capacity NP-W126 batteries can also be used. Charging takes about 150 minutes.
  - 1 Place the battery in the charger. Place the battery in the supplied battery charger as shown.



Plug the charger in. Plug the charger into an indoor power outlet. The charging indicator will light.



3 Charge the battery. Remove the battery when charging is complete.

## The Charging Indicator—

The charging indicator shows battery charge status as follows:

Charging indicator		
CHARGE	Battery status	Action
Off	Battery not inserted.	Insert the battery.
	Battery fully charged.	Remove the battery.
On	Battery charging. —	
Rlinks   Battery facilit   ' '		Unplug the charger and remove the battery.



The supplied AC cord is for use exclusively with the supplied battery charger. Do not use the supplied charger with other cords or the supplied cord with other devices.

Do not affix labels or other objects to the battery. Failure to observe this precaution could make it impossible to remove the battery from the camera.

Do not short the battery terminals. The battery could overheat

Read the cautions in "The Battery and Power Supply".

Use only battery chargers designated for use with the battery. Failure to observe this precaution could result in product malfunction.

Do not remove the labels from the battery or attempt to split or peel the outer casing.

The battery gradually loses its charge when not in use. Charge the battery one or two days before use. If the battery fails to hold a charge, it has reached the end of its charging life and must be replaced.

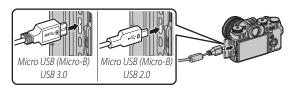
Unplug the charger when it is not in use.

Remove dirt from the battery terminals with a clean, dry cloth. Failure to observe this precaution could prevent the battery from charging.

Note that charging times increase at low temperatures.

#### Charging via Computer-

The battery also charges if the camera is connected to a computer. Turn the camera off, insert the battery, and connect a USB cable as shown, making sure the connectors are fully inserted. The charging time of about 300 minutes is not affected by the type of cable used.



Charging status is shown by the indicator lamp.

Indicator lamp	Battery status
On	Battery charging
Off	Charging complete
Blinks	Battery fault

Connect the camera directly to the computer; do not use a USB hub or keyboard. Charging stops if the computer enters sleep mode; to resume charging, activate the computer and disconnect and reconnect the USB cable. Charging may not be supported depending on the model of computer, computer settings, and the computer's current state.



## Inserting the Battery

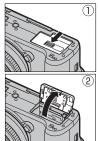
After charging the battery, insert the battery in the camera as described below.

1 Open the battery-chamber cover. Slide the battery-chamber latch as shown and open the battery-chamber cover.



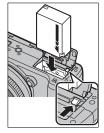
① Do not open the battery-chamber cover when the camera is on. Failure to observe this precaution could damage image files or memory cards.

> Do not use excessive force when handling the battery-chamber cover.



## 2 Insert the battery.

Using the battery to keep the battery latch pressed to one side, insert the battery contacts first in the direction shown by the arrow. Confirm that the battery is securely latched.



Insert the battery in the orientation shown. Do not use force or attempt to insert the battery upside down or backwards. The battery will slide in easily in the correct orientation.

## 3 Close the battery-chamber cover. Close and latch the cover.

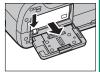
If the cover does not close, check that the battery is in the correct orientation. Do not attempt to force the cover shut.



## Removing the Battery-

Before removing the battery, turn the camera off and open the battery-chamber cover.

To remove the battery, press the battery latch to the side, and slide the battery out of the camera as shown.





The battery may become hot when used in high-temperature environments. Observe caution when removing the battery.

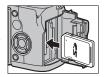
## Inserting Memory Cards

Pictures are stored on memory cards (sold separately).

- 1 Open the memory card slot cover.
  Unlatch and open the cover.
  - Do not open the memory card-slot cover when the camera is on. Failure to observe this precaution could damage image files or memory cards.



2 Insert the memory card. Holding the card in the orientation shown, slide it in until it clicks into place at the back of the slot.



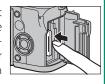
- Be sure card is in the correct orientation; do not insert at an angle or use force.
- **3 Close the memory card slot cover.** Close and latch the cover.



## Removing Memory Cards-

Before removing memory cards, turn the camera off and open the memory card slot cover.

Press and release the card to eject it part way (to prevent the card falling from the slot, press the center of the card and release it slowly, without removing your finger from the card). The card can then be removed by hand.



## Using Two Cards

The camera can be used with two cards, one in each of its two slots. At default settings, photos are saved to the card in the second slot only when the card in the first slot is full. This can be changed using **Z** SAVE DATA SET-UP > CARD SLOT SETTING (STILL IMAGE).

Option	Description	Display
<b>SEQUENTIAL</b> (default)	The card in the second slot is used only when the card in the first slot is full. If the second slot is selected for <b>SAVE DATA SET-UP</b> > <b>SWITCH SLOT</b> ( <b>SEQUENTIAL</b> ), recording will start on the card in the second slot and switch to the first slot when the card in the second slot is full.	
BACKUP	Each picture is recorded twice, once to each card.	
RAW/JPEG	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>MIMAGE QUALITY SETTING</b> > <b>IMAGE QUALITY</b> will be saved to the card in the first slot and the JPEG copy to the card in the second slot.	7 .

The card used to store movies can be selected using SAVE DATA SET-UP > MOVIE FILE DESTINATION.

## Compatible Memory Cards

FUJIFILM and SanDisk SD, SDHC, and SDXC memory cards have been approved for use in the camera; UHS-II cards can be used in both slots, while cards with a UHS speed class of 3 or better are recommended for movies. A complete list of approved memory cards is available http://www.fujifilm.com/support/digital cameras/ compatibility/. Operation is not guaranteed with other cards. The camera can not be used with xD-Picture Cards or MultiMediaCard (MMC) devices.



Do not turn the camera off or remove the memory card while the memory card is being formatted or data are being recorded to or deleted from the card. Failure to observe this precaution could damage the card.

Memory cards can be locked, making it impossible to format the card or to record or delete images. Before inserting a memory card, slide the write-protect switch to the unlocked position.



Format memory cards before first use, and be sure to reformat all memory cards after using them in a computer or other device.

Memory cards are small and can be swallowed; keep out of reach of children. If a child swallows a memory card, seek medical assistance immediately.

miniSD or microSD adapters that are larger or smaller than memory cards may not eject normally; if the card does not eject, take the camera to an authorized service representative. Do not forcibly remove the card.

Do not affix labels or other objects to memory cards. Peeling labels can cause camera malfunction.

Movie recording may be interrupted with some types of memory card.

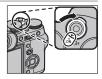
Formatting a memory card in the camera creates a folder in which pictures are stored. Do not rename or delete this folder or use a computer or other device to edit, delete, or rename image files. Always use the camera to delete pictures; before editing or renaming files, copy them to a computer and edit or rename the copies, not the originals. Renaming the files on the camera can cause problems during playback.



## **Turning the Camera On and Off**

Use the ON/OFF switch to turn the camera on and off.

Rotate the switch to **ON** to turn the camera on, or to OFF to turn the camera off.



- Fingerprints and other marks on the lens or viewfinder can affect pictures or the view through the viewfinder. Keep the lens and viewfinder clean.
- Press the Dutton to start playback. Press the shutter button halfway to return to shooting mode.

The camera will turn off automatically if no operations are performed for the length of time selected for **POWER MANAGEMENT > AUTO POWER OFF.** To reactivate the camera after it has turned off automatically, press the shutter button halfway or turn the ON/OFF switch to **OFF** and then back to **ON** 



## **Checking the Battery Level**

After turning the camera on, check the battery level in the display.

Battery level is shown as follows:

•	
Indicator	Description
41111	Battery partially discharged.
(1111	Battery about 80% full.
<b>- III</b>	Battery about 60% full.
<b></b>	Battery about 40% full.
	Battery about 20% full.
	Low battery. Charge as soon as
(red)	possible.
	Battery exhausted. Turn camera
(blinks red)	off and recharge battery.

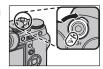


## **Basic Setup**

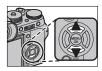
A language-selection dialog is displayed the first time the camera is turned on.

1 Turn the camera on.

A language-selection dialog will be displayed.



2 Choose a language. Highlight a language and press MENU/OK.



3 Set the date and time.

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. Press **MENU/OK** to exit to shooting mode when settings are complete.



If the battery is removed for an extended period, the camera clock will be reset and the language-selection dialog will be displayed when the camera is turned on.

## Skipping the Current Step-

Press DISP/BACK to skip the current step. Any steps you skip will be displayed the next time the camera is turned on.

## Choosing a Different Language

To change the language:

- 1 Display language options. Select **DUSER SETTING** > 言語/LANG..
- Choose a language. Highlight the desired option and press MENU/OK.

## Changing the Time and Date

To set the camera clock:

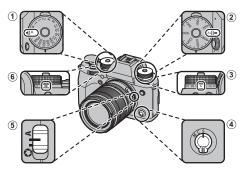
- 1 Display DATE/TIME options. Select **SUSER SETTING** > **DATE/TIME**.
- Set the clock. Press the selector left or right to highlight the year, month, day, hour, or minute and press up or down to change. Press MENU/OK to set the clock.

# Basic Photography and Playback



This section describes how to take pictures using program AE (mode P). See pages 62–73 for information on S, A, and M modes.

1 Adjust settings for program AE.



- 1) Shutter speed ( 62): Select A (auto).
- 2 Sensitivity ( 88): Select A (auto).
- 3) Drive mode ( 5): Select S (single frame).
- 4) Focus mode ( 75): Select S (single AF).
- (5) Aperture ( 62): Select A (auto).
- 6) Metering (🗐 91): Select 🗷 (multi).
- To use the shutter speed dial, press the dial lock release and rotate the dial to the desired setting.

## 2 Check the shooting mode. Confirm that P appears in the display.



## 3 Ready the camera.

Hold the camera steady with both hands and brace your elbows against your sides. Shaking or unsteady hands can blur your shots.



To prevent pictures that are out of focus or too dark (underexposed), keep your fingers and other objects away from the lens and AF-assist illuminator.



## 4 Frame the picture.

Lenses with Zoom Rings-

Use the zoom ring to frame the picture in the display. Rotate the ring left to zoom out, right to zoom in.



## 5 Focus.

Press the shutter button halfway to focus.



If the subject is poorly lit, the AF-assist illuminator may light.



Focus indicator Focus frame

If the camera is able to focus, it will beep twice and focus area and focus indicator will glow green. Focus and exposure will lock while the shutter button is pressed halfway.

If the camera is unable to focus, the focus frame will turn red, !AF will be displayed, and the focus indicator will blink white.

## 6 Shoot.

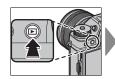
Smoothly press the shutter button the rest of the way down to take the picture.



# **Viewing Pictures**

Pictures can be viewed in the viewfinder or LCD monitor.

To view pictures full frame, press **▶**.





Additional pictures can be viewed by pressing the selector left or right or rotating the front command dial. Press the selector or rotate the dial right to view pictures in the order recorded, left to view pictures in reverse order. Keep the selector pressed to scroll rapidly to the desired frame.



Pictures taken using other cameras are marked with a ("gift image") icon to warn that they may not display correctly and that playback zoom may not be available.

#### Two Memory Cards

If two memory cards are inserted, you can press and hold the button to choose a card for playback. You can also select a card using the PLAY BACK MENU > SWITCH SLOT option.



# **Deleting Pictures**

Use the 前 button to delete pictures.

- Deleted pictures can not be recovered. Copy important pictures to a computer or other storage device before proceeding.
  - 1 With a picture displayed full frame, press the 面 button and select FRAME.



- 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.
- Protected pictures can not be deleted. Remove protection from any pictures you wish to delete (187).
  - Pictures can also be deleted from the menus using the ■ PLAY BACK MENU > ERASE option ( 182).

# Movie Recording and Playback

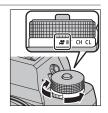


# **Recording Movies**

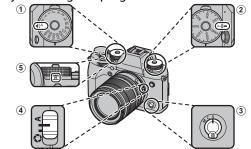
This section describes how to film movies in auto mode.

1 Rotate the drive dial to 

2.



2 Adjust settings for program AE.



- 1) Shutter speed ( 52): Select A (auto).
- 2 Sensitivity ( 88): Select A (auto).
- 3) Focus mode ( 75): Select S (single AF).
- 4) Aperture ( 62): Select A (auto).
- 5 Metering (📖 91): Select 🛭 (multi).

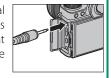
3 Press the shutter button to start recording. A recording indicator (●) and the time remaining are displayed while recording is in progress.



**4** Press the button again to end recording. Recording ends automatically when the maximum length is reached or the memory card is full.

#### Using an External Microphone-

Sound can be recorded with external microphones that connect using jacks 3.5 mm in diameter; microphones that require bus power can not be used. See the microphone manual for details.



① Sound is recorded via the built-in microphone or an optional external microphone. Do not cover the microphone during recording. Note that the microphone may pick up lens noise and other sounds made by the camera during recording.

Vertical or horizontal streaks may appear in movies containing very bright subjects. This is normal and does not indicate a malfunction

The indicator lamp lights while recording is in progress. During recording, you can change exposure compensation by up to  $\pm 2$  EV and adjust zoom using the zoom ring on the lens (if available).

If the lens is equipped with an aperture mode switch, select the aperture mode before beginning recording. If an option other than A is selected, shutter speed and aperture can be adjusted while recording is in progress.

While recording is in progress, you can:

- Adjust sensitivity
- Use the **VIEW MODE** button and the eye sensor to switch between the EVF and LCD monitor displays
- Refocus using autofocus by pressing the shutter button halfway or by pressing the button to which AF-ON has been assigned

Recording may be unavailable at some settings, while in other cases settings may not apply during recording.

# Adjusting Movie Settings

Frame size and rate can be selected using MOVIE SETTING > MOVIE MODE, while the card used to store movies can be selected using SAVE DATA SET-UP > MOVIE FILE DESTINATION. Focus mode is selected using the focus mode selector; for continuous focus adjustment, select C, or choose S and enable Intelligent Face Detection. Intelligent Face Detection is not available in focus mode M.

#### Depth of Field-

Choose low f-numbers to soften background details.



# **▶** Viewing Movies

View movies on the camera.

In full-frame playback, movies are identified by a 💾 icon.



The following operations can be performed while a movie is displayed:

	Playback in	Playback	
Selector	progress ( 🔼 )	paused ( 🞹 )	
<b>A</b>	End playback		
•	Pause playback	Start/resume	
•	rause playback	playback	
<b>⊲►</b> Adjust speed		Single frame	
<b>4</b> P	Aujust speed	rewind/advance	



Progress is shown in the display during playback.



Do not cover the speaker during playback.





Press MENU/OK to pause playback and display volume controls. Press 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.

#### Playback Speed-

Press the selector left or right to adjust playback speed during playback. Speed is shown by the number of arrows (▶ or ◀).



# МЕМО

# Taking Photographs



# P, S, A, and M Modes

P, S, A, and M modes give you varying degrees of control over shutter speed and aperture.

# Mode P: Program AE

Let the camera choose shutter speed and aperture for optimal exposure. Other values that produce the same exposure can be selected with program shift.







**Shutter speed**: Select **A** (auto).

Aperture: Select A (auto).

Set shutter speed and aperture to A (auto) and confirm that P appears in the display.





If the subject is outside the metering range of the camera, the shutter speed and aperture displays will show



To use the shutter speed dial, press the dial lock release and rotate the dial to the desired setting.

#### Program Shift

If desired, you can rotate the rear command dial to select other combinations of shutter speed and aperture without altering exposure (program shift).



itter speed | Aperture

- Program shift is not available during movie recording or if the flash supports TTL auto or an auto option is selected for 
  ☐ IMAGE QUALITY SETTING > DYNAMIC RANGE.
- To cancel program shift, turn the camera off.

# Mode S: Shutter-Priority AE

Choose a shutter speed and let the camera adjust aperture for optimal exposure.







Shutter speed: Choose a speed.

Aperture: Select A (auto).

Set aperture to A (auto) and use the shutter speed dial to choose a shutter speed. S will appear in the display.



- If the correct exposure can not be achieved at the selected shutter speed, aperture will be displayed in red. If the subject is outside the metering range of the camera, the aperture display will show "---".
- To use the shutter speed dial, press the dial lock release and rotate the dial to the desired setting (the dial can be used even while the shutter button is pressed halfway). Shutter speed can also be adjusted in increments of 1/2 EV by rotating the rear command dial.

#### Sensitivity and Depth of Field-

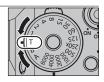
If you choose a fast shutter speed when the subject is poorly lit, the camera autoexposure program will select a wider aperture. This will produce the correct exposure but may also reduce depth of field so that less of the area behind and in front of your subject appears to be in focus. To stop aperture down and increase depth of field, select a higher sensitivity.



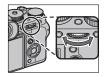
# Time (T)

Rotate the shutter speed dial to T (time) to choose slow shutter speeds for long time-exposures. Use of a tripod is recommended to prevent the camera moving during the exposure.

1 Rotate the shutter speed dial to T.



2 Rotate the rear command dial to choose a shutter speed.

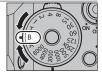


- Press the shutter button all the way down to take a picture at the selected shutter speed. A countdown timer will be displayed while the exposure is in progress.
- To reduce "noise" (mottling) in long time-exposures, select **ON** for **MIMAGE QUALITY SETTING** > **LONG** EXPOSURE NR. Note that this may increase the time needed to record images after shooting.

#### Bulb (B)

Select a shutter speed of **B** (bulb) for long time-exposures in which you open and close the shutter manually. Use of a tripod is recommended to prevent the camera moving during the exposure.

1 Rotate the shutter speed dial to **B**.



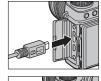
- 2 Press the shutter button all the way down. The shutter will remain open for up to 60 minutes while the shutter button is pressed; the display shows the time elapsed since the exposure started.
- Selecting an aperture of A fixes shutter speed at 30 s.
  To reduce "noise" (mottling) in long time-exposures,

lo reduce "noise" (mottling) in long time-exposures, select **ON** for **IMAGE QUALITY SETTING** > **LONG EXPOSURE NR**. Note that this may increase the time needed to record images after shooting.

## Using a Remote Release

An optional RR-90 remote release can be used for long time-exposures. The RR-90 connects via the Micro USB (Micro-B) USB 2.0 connector.

Alternatively, electronic releases from third-party suppliers can be connected via the remote release connector. Use releases with a Ø2.5 mm connector.







Third-party mechanical releases connect as shown.

# Mode A: Aperture-Priority AE

Choose an aperture and let the camera adjust shutter speed for optimal exposure.







**Shutter speed**: Select **A** (auto).

**Aperture**: Select \$ (manual).

Rotate the shutter speed dial to A (auto), set aperture to \$\oints\$, and rotate the lens aperture ring to adjust aperture as desired. A will appear in the display.



- If the correct exposure can not be achieved at the selected aperture, shutter speed will be displayed in red. If the subject is outside the metering range of the camera, the shutter speed display will show "- -".
- To use the shutter speed dial, press the dial lock release and rotate the dial to the desired setting.

Aperture can be adjusted even while the shutter button is pressed halfway.

#### Previewing Depth of Field

When **PREVIEW DEPTH OF FIELD** is assigned to a function button, pressing the button stops aperture down to the selected setting, allowing depth of field to be previewed in the display.





Depth of field can also be previewed using the depth-of-field indicator in the standard display. Press **DISP/BACK** to cycle through display modes until standard indicators are displayed.



Depth of field

Use the MAF/MF SETTING > DEPTH-OF-FIELD SCALE option to choose how depth of field is displayed. Choose FILM FORMAT BASIS to help you make practical assessments of depth of field for pictures that will be viewed as prints and the like, PIXEL BASIS to help you assess depth of field for pictures that will be viewed at high resolutions on computers or other electronic displays.

#### Sensitivity and Motion Blur-

If you choose a narrow aperture when the subject is poorly lit, the shutter speed selected by the autoexposure program may not be fast enough to prevent motion blur. For faster shutter speeds that reduce motion blur, select a higher sensitivity.



# Mode M: Manual Exposure

Alter exposure from that selected by the camera.







**Shutter speed**: Choose a speed.

**Aperture**: Select \$ (manual).

Set shutter speed to a value other than A, set aperture to \$5, and rotate the lens aperture ring to choose the aperture. **M** will appear in the display.





To use the shutter speed dial, press the dial lock release and rotate the dial to the desired setting. Shutter speed can be adjusted in increments of 1/3 EV by rotating the rear command dial

#### Exposure Preview-

To preview exposure in the LCD monitor, select an option other than OFF for SCREEN SET-UP > PREVIEW EXP./ WB IN MANUAL MODE. Select OFF when using the flash or on other occasions on which exposure may change when the picture is taken.

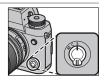




# **Autofocus**

Take pictures using autofocus.

1 Rotate the focus mode selector to **S** or **C** ( 75).



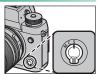
- 2 Use M AF/MF SETTING > AF MODE to choose an AF mode ( 77).
- 3 Choose the position and size of the focus frame ( 79).



- 4 Take pictures.
- For information on the autofocus system, visit: http://fujifilm-x.com/af/en/index.html

#### **Focus Mode**

Use the focus mode selector to choose how the camera focuses.



# Choose from the following options:

Mode	Description		
S	Single AF: Focus locks while the shutter button is pressed		
(AF-S)	halfway. Choose for stationary subjects.		
	Continuous AF: Focus is continually adjusted to reflect		
<b>C</b> (AF-C)	changes in the distance to the subject while the shutter		
	button is pressed halfway. Use for subjects that are in		
	motion. Eye-detection AF is not available.		
ь.	<b>Manual</b> : Focus manually using the lens focus ring. Choose		
M	for manual control of focus or in situations in which the		
(manual)	camera is unable to focus using autofocus ( 84).		



Regardless of the option selected, manual focus will be used when the lens is in manual focus mode

If **ON** is selected for **AF/MF SETTING** > **PRE-AF**, focus will be adjusted continuously in modes S and C even when the shutter button is not pressed.

#### The Focus Indicator-

The focus indicator turns green when the subject is in focus and blinks white when the camera is unable to focus. Brackets ("( )") indicate that the camera is focusing and are displayed continuously in mode **C**. **III** is displayed in manual focus mode.



Focus indicator

# Autofocus Options (AF Mode)

Choose how the camera focuses in modes S and C.

- 1 Press MENU/OK and go to the shooting menu.
- Select M AF/MF SETTING > AF MODE.
- 3 Choose an AF mode.
- This feature can also be accessed via shortcuts ( == 250).

How the camera focuses depends on the focus mode.

# Focus Mode S (AF-S)

Option	Description	Sample image
SINGLE POINT	Camera focuses on subject in selected focus point. Use for pinpoint focus on selected subject.	Section 1997
ZONE	Camera focuses on subject in selected focus zone. Focus zones include multiple focus points, making it easier to focus on subjects in motion.	
[] WIDE/ TRACKING	Camera focuses automatically on high-contrast subjects; display shows areas in focus.	

Option	Description	Sample image	
	Rotate the rear command dial in the		
	display (🗐 80, 81) to cycle thr		
ALL	the following order: • SINGLE POINT, • ZONE, and		
	☐ WIDE/TRACKING.		

Focus Mode C (AF-C)				
Option	Description	Sample image		
SINGLE POINT	Focus tracks subject at selected focus point. Use for subjects moving toward or away from camera.			
ZONE	Focus tracks subject in selected focus zone. Use for subjects that are moving fairly predictably.			
[] WIDE/ TRACKING	Focus tracks subjects moving through wide area of frame.			
ALL ALL	Rotate the rear command dial in the focus-point selection display ( 80, 81) to cycle through AF modes in the following order: SINGLE POINT, ZONE, and WIDE/TRACKING.			

#### **Focus-Point Selection**

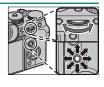
Choose a focus point for autofocus.

# Viewing the Focus-Point Display

- 1 Press MENU/OK and go to the shooting menu.
- 2 Select A AF/MF SETTING > FOCUS AREA to view the focus-point display.
- 3 Use the focus stick and rear command dial to choose a focus area ( 80).

# Selecting a Focus Point

Use the focus stick (focus lever) to choose the focus point and the rear command dial to choose the size of the focus frame. The procedure varies with the option selected for AF mode.



	Focus stick		Rear command dial	
AF mode	Tilt	Press	Rotate	Press
			Choose from 6	
Ŀ	Coloct focus	Select center	frame sizes	Restore original
	point	focus point	Choose from 3	size
[1]	μοιπι	iocus poirit	frame sizes	
Г٦			_	_



Manual focus-point selection is not available when **WIDE/TRACKING** is selected in focus mode **S**.

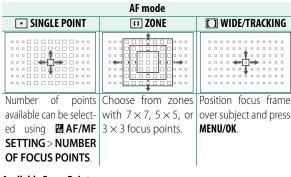
If ALL is selected for AF mode, you can rotate the rear command dial in the focus-point selection display ( 80, 81) to cycle through AF modes in the following order: SINGLE POINT (6 frame sizes), ZONE (3 frame sizes), and either **WIDE** (focus mode **S**) or TRACKING (focus mode C).

# The Focus-Point Display

The focus-point display varies with the option selected for AF mode

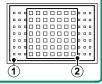


 $\bigcirc$  Focus frames are shown by small squares ( $\square$ ), focus zones by the large squares.



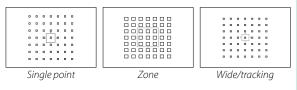
#### Available Focus Points

TTL contrast-detect AF offers more focus points ((1)) than intelligent hybrid AF ((2)), which combines phase-detection with TTL contrast-detect AF.



#### **Burst Mode Focus-Frame Selection**

When continuous high-speed ( $\mathbf{CH}$ ) is selected for drive mode, the number of focus frames available in focus mode  $\mathbf{C}$  drops.



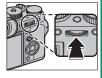
#### Autofocus

Although the camera boasts a high-precision autofocus system, it may be unable to focus on the subjects listed below.

- Very shiny subjects such as mirrors or car bodies.
- Subjects photographed through a window or other reflective object.
- Dark subjects and subjects that absorb rather than reflect light, such as hair or fur.
- Insubstantial subjects, such as smoke or flame.
- Subjects that show little contrast with the background.
- Subjects positioned in front of or behind a high-contrast object that is also in the focus frame (for example, a subject photographed against a backdrop of highly contrasting elements).

#### Checking Focus

To zoom in on the current focus area for precise focus, press the control to which focus zoom has been assigned (at default settings, the center of the rear command dial). Press the control again to cancel zoom





Normal display

Focus zoom

In focus mode S, zoom can be adjusted by rotating the rear command dial when STANDARD or FOCUS PEAK HIGHLIGHT is selected for MAF/MF SETTING > MF **ASSIST** (146). Focus zoom is not available in focus mode C or when M AF/MF SETTING > PRE-AF is on or an option other than **SINGLE POINT** is selected for AF MODE

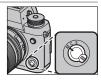
Use BUTTON/DIAL SETTING > Fn/AE-L/AF-L BUTTON **SETTING** to change the function performed by the center of the command dial or assign its default function to other controls.



## **Manual Focus**

Adjust focus manually.

 Rotate the focus mode selector to M.



**III** will appear in the display.



2 Focus manually using the lens focus ring. Rotate the ring left to reduce the focus distance, right to increase.



3 Take pictures.



Regardless of the option selected, manual focus will be used when the lens is in manual focus mode.

#### Quick Focus

To use autofocus to focus on the subject in the selected focus area, press the button to which focus lock or AF-ON has been assigned (the size of the focus area can be chosen with the rear command dial). In manual focus mode, you can use this feature to quickly focus on a chosen subject using either single or continuous AF according to the option chosen for **MAF/MF SETTING** > **INSTANT AF SETTING**.

# **Checking Focus**

A variety of options are available for checking focus in manual focus mode.

#### The Manual Focus Indicator

The manual focus indicator indicates how closely the focus distance matches the distance to the subject in the focus brackets. The white line indicates the distance to the subject in the focus area (in meters or feet ac-

Focus distance (white line)



Depth of field

cording to the option selected for **G** SCREEN SET-UP > FOCUS SCALE UNITS in the setup menu), the blue bar the depth of field, or in other words the distance in front of and behind the subject that appears to be in focus.

#### Focus Zoom

If **ON** is selected for **MAF/MF SETTING** > **FOCUS CHECK**, the camera will automatically zoom in on the selected focus area when the focus ring is rotated.



### MF Assist

The AF/MF SETTING > MF ASSIST option can be used to check focus when pictures are framed in the ICD monitor or electronic viewfinder in manual focus mode.



The **MF ASSIST** menu can be displayed by pressing and holding the control to which focus zoom has been assigned.

The following options are available:

- FOCUS PEAK HIGHLIGHT: Highlights high-contrast outlines. Rotate the focus ring until the subject is highlighted.
- **DIGITAL SPLIT IMAGE**: Displays a split image in the center of the frame. Frame the subject in the split-image area and rotate the focus ring until the four parts of the split image are correctly aligned.

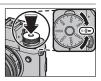




# Sensitivity

Adjust the camera's sensitivity to light.

Press the sensitivity dial lock release, rotate the dial to the desired setting, and press the release again to lock the dial in place.



Option	Description		
	Sensitivity is automatically adjusted in response to shooting conditions according to option chosen for		
, ,	☑ SHOOTING SETTING > ISO AUTO SETTING. Choose from AUTO1, AUTO2, and AUTO3.		
12200_200	Adjust sensitivity manually. Selected value is shown in display.		
	Choose for special situations. Note that mottling may appear in pictures taken at <b>H</b> , while <b>L</b> reduces dynamic range.		



Use **BUTTON/DIAL SETTING** > **ISO DIAL SETTING** (H) to choose the sensitivity assigned to the **H** position.

Use BUTTON/DIAL SETTING > ISO DIAL SETTING (L) to choose the sensitivity assigned to the **L** position.

If **COMMAND** is selected for **BUTTON/DIAL SETTING** > **ISO DIAL SETTING (A)**, sensitivity can also be adjusted by setting sensitivity to A and rotating the front command dial.

### Adjusting Sensitivity

High values can be used to reduce blur when lighting is poor, while lower values allow slower shutter speeds or wider apertures in bright light; note, however, that mottling may appear in pictures taken at high sensitivities.

### Auto Sensitivity (A)

Use **SHOOTING SETTING** > **ISO AUTO SETTING** to choose the base sensitivity, maximum sensitivity, and minimum shutter speed for the **A** position on the sensitivity dial. Settings for **AUTO1**, **AUTO2**, and **AUTO3** can be stored separately.

		Default		
ltem	Options	AUT01	AUT02	AUT03
<b>DEFAULT SENSITIVITY</b>	12800-200		200	
MAX. SENSITIVITY	12800-400	800	1600	3200
MIN. SHUTTER SPEED	1/500-1/4 SEC, AUTO		1/60 SEC	

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



If the value selected for **DEFAULT SENSITIVITY** is higher than that selected for MAX. SENSITIVITY, DEFAULT **SENSITIVITY** will be set to the value selected for **MAX**. SENSITIVITY

The camera may select shutter speeds slower than MIN. SHUTTER SPEED if pictures would still be underexposed at the value selected for MAX. SENSITIVITY. If **AUTO** is selected for **MIN. SHUTTER SPEED**, the camera will automatically choose a minimum shutter speed approximately equal to the inverse of the lens' focal length, in seconds (for example, if the lens has a focal length of 50 mm, the camera will choose a minimum shutter. speed in the neighborhood of 1/50 s). The minimum shutter speed is not affected by the option selected for image stabilization.

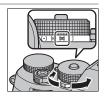
# Metering

Choose how the camera meters exposure.

Rotate the metering dial to select from the options below.



The selected option will only take effect when MAF/MF SETTING > **FACE/EYE DETECTION SETTING** is FACE OFF/EYE OFF.



Mode	Description
[•] (spot)	The camera meters lighting conditions in an area at the center of the frame equivalent to 2% of the total. Recommended with backlit subjects and in other cases in which the background is much brighter or darker than the main subject.
(center- weighted)	The camera meters the entire frame but assigns the greatest weight to the area at the center.
(multi)	The camera instantly determines exposure based on an analysis of composition, color, and brightness distribution. Recommended in most situations.
[ ] (average)	Exposure is set to the average for the entire frame. Provides consistent exposure across multiple shots with the same lighting, and is particularly effective for landscapes and portraits of subjects dressed in black or white.



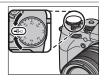
# **Exposure Compensation**

Adjust exposure.

Rotate the exposure compensation dial.



The amount of compensation available varies with the shooting mode.



### C (Custom)

When the exposure compensation dial is rotated to C, exposure compensation can be adjusted by rotating the front command dial.





The front command dial can be used to set exposure compensation to values between -5 and +5 EV.

The front command dial can be used to set aperture or exposure compensation. Press the dial to toggle between the two.



# **Focus/Exposure Lock**

Compose photographs with off-center subjects.

1 Focus: Position the subject in the focus frame and press the shutter button halfway to lock focus and exposure. Focus and exposure will remain locked while the shutter button is pressed halfway (AF/AE lock).



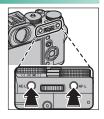
**2 Recompose**: Keep the shutter button pressed halfway.



- 3 Shoot: Press the button all the way down.
- Focus lock using the shutter button is only available when ON is selected for ☐ BUTTON/DIAL SETTING > SHUTTER AF, SHUTTER AE.

### The AF-L and AE-L Buttons

Focus and exposure can also be locked with the AF-L and AE-L buttons. At default settings, the AF-L button locks focus, the AE-L button exposure. Focus and/or exposure will remain locked while the button is pressed, whether or not the shutter button is pressed halfway.



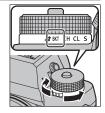
The roles of the buttons can be changed using the following **BUTTON/DIAL SETTING** options:

- Fn/AE-L/AF-L BUTTON SETTING: Choose the roles played by the AE-L and AF-L buttons.
- AE/AF-LOCK MODE: If AE&AF ON/OFF SWITCH is selected for AE/AF-LOCK MODE, focus and/or exposure lock when the button is pressed and remain locked until the button is pressed again.

# **BKT Bracketing**

Automatically vary settings over a series of pictures.

1 Rotate the drive dial to BKT.



- 2 Navigate to DRIVE SETTING in the SHOOTING SETTING menu and select ♣ AE BKT, SISO BKT, FILM SIMULATION BKT, WHITE BALANCE BKT, or DYNAMIC RANGE BKT.
  - This feature can also be accessed via shortcuts ( 250).
- **3** Take photographs.

### AE BKT

Use SHOOTING SETTING > DRIVE SETTING > BKT **SETTING** > **AE BKT** to choose the bracketing amount and number of shots. Each time the shutter button is pressed, the camera will take the specified number of shots: one using the metered value for exposure and the others over- or under-exposed by multiples of the selected bracketing amount ( 150).



Regardless of the bracketing amount, exposure will not exceed the limits of the exposure metering system.

# **図 ISO BKT**

Select a bracketing amount  $(\pm 1, \pm \frac{2}{3}, \text{ or } \pm \frac{1}{3})$ . Each time the shutter is released, the camera will take a picture at the current sensitivity and process it to create two additional copies, one with sensitivity raised and the other with sensitivity lowered by the selected amount.

### FILM SIMULATION BKT

Each time the shutter is released, the camera takes one shot and processes it to create copies with different film simulation settings, chosen using SHOOTING SETTING > DRIVE SETTING > BKT SETTING > FILM SIMULATION BKT.

### **WHITE BALANCE BKT**

Select a bracketing amount  $(\pm 1, \pm 2, \text{ or } \pm 3)$ . Each time the shutter is released, the camera takes one shot and processes it to create three copies: one at the current white balanced setting, one with fine-tuning increased by the selected amount, and another with fine-tuning decreased by the selected amount.

### I DYNAMIC RANGE BKT

Each time the shutter button is pressed, the camera takes three shots with different dynamic ranges: 100% for the first, 200% for the second, and 400% for the third.



While dynamic range bracketing is in effect, sensitivity will be restricted to a minimum of ISO 800 (or to a minimum of ISO 200 to 800 when an auto option is selected for sensitivity); the sensitivity previously in effect is restored when bracketing ends.



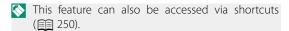
# **Continuous Shooting (Burst Mode)**

Capture motion in a series of pictures.

1 Rotate the drive dial to select CH (high-speed burst) or CL (low-speed burst).



Navigate to DRIVE SETTING in the SHOOTING SETTING menu and choose a frame advance rate.



3 Take photographs. The camera will take pictures while the shutter button is pressed; shooting ends when the shutter button is released or the memory card is full.



If file numbering reaches 999 before shooting is complete, the remaining pictures will be recorded to a new folder.

Burst shooting may not begin if the space available on the memory card is insufficient.

Frame rate varies with the subject, shutter speed, sensitivity, and focus mode. Frame rates may slow and recording times increase as more shots are taken. The flash may or may not fire, depending on shooting conditions.

### Focus and Exposure

Select focus mode C to vary focus with shot; to vary exposure with each shot, select **OFF** for **BUTTON/DIAL SETTING** > SHUTTER AE.



Selecting **CH** in focus mode **C** restricts the choice of focus frames

Exposure and focus tracking performance may vary with such factors as aperture, sensitivity, and exposure compensation.



# Multiple Exposures

Create a photograph that combines two exposures.



Rotate the drive dial to .



- Take the first shot.
- 3 Press MENU/OK. The first shot will be shown superimposed on the view through the lens and you will be prompted to take the second shot.





To return to Step 2 and retake the first shot, press the selector left. To save the first shot and exit without creating a multiple exposure, press DISP/BACK.

**4** Take the second shot, using the first frame as a guide.



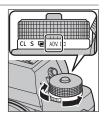
5 Press MENU/OK to create the multiple exposure, or press the selector left to return to Step 4 and retake the second shot.



# ADV. Advanced Filters

Take photos with filter effects.

Rotate the drive dial to ADV...



- Navigate to DRIVE SETTING in the SHOOTING **SETTING** menu and choose a filter effect.
  - This feature can also be accessed via shortcuts ( 250).
- 3 Take photographs.

# **Advanced Filter Options**

Choose from the following filters:

Filter	Description
<b>₩</b> TOY CAMERA	Choose for a retro toy camera effect.
<b>₩</b> MINIATURE	The tops and bottoms of pictures are
MINIMIONE	blurred for a diorama effect.
₽ POP COLOR	Create high-contrast images with sat-
*Yop FOF COLON	urated colors.
<b>REP</b> HIGH-KEY	Create bright, low-contrast images.
LOW-KEY	Create uniformly dark tones with few
LOWER LOW-ILL	areas of emphasized highlights.
A DYNAMIC TONE	Dynamic tone expression is used for a
MANUEL DINAMIC TONE	fantasy effect.
₷ SOFT FOCUS	Create a look that is evenly soft
SOFT JOI I I OCOJ	throughout the whole image.
A PARTIAL COLOR (RED)	
A PARTIAL COLOR (ORANGE)	Areas of the image that are the select-
A PARTIAL COLOR (YELLOW)	ed color are recorded in that color. All
A PARTIAL COLOR (GREEN)	other areas of the image are recorded
A PARTIAL COLOR (BLUE)	in black-and-white.
A PARTIAL COLOR (PURPLE)	



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

## **Panoramas**

Follow an on-screen guide to create a panorama.

Rotate the drive dial to  $\square$ .



- To select the size of the angle through which you will pan the camera while shooting, press the selector left. Highlight a size and press MENU/OK.
- 3 Press the selector right to view a choice of pan directions. Highlight a pan direction and press MENU/OK.
- 4 Press the shutter button all the way down to start recording. There is no need to keep the shutter button pressed during recording.

5 Pan the camera in the direction shown by the arrow. Shooting ends automatically when the camera is panned to the end of the guides and the panorama is complete.



### For Best Results

For best results, use a lens with a focal length of 35 mm or less (50 mm or less in 35 mm format). Prop your elbows against your sides and move the camera slowly in a small circle at a steady speed, keeping the camera parallel or at right angles to the horizon and being careful only to pan in the direction shown by the guides. Use a tripod for best results. If the desired results are not achieved, try panning at a different speed.



If the shutter button is pressed all the way down before the panorama is complete, shooting will end and no panorama may be recorded. Shooting may also be interrupted if the camera is panned too guickly or too slowly. Panning the camera in a direction other than that shown cancels shooting.

Panoramas are created from multiple frames; if **ON** is selected for BUTTON/DIAL SETTING > SHUTTER **AE**, exposure for the entire panorama is determined by the first frame. The camera may in some cases record an greater or lesser angle than selected or be unable to stitch the frames together perfectly. The last part of the panorama may not be recorded if shooting ends before the panorama is complete.

The desired results may not be achieved with moving subjects, subjects close to the camera, unvarying subjects such as the sky or a field of grass, subjects that are in constant motion, such as waves and waterfalls, or subjects that undergo marked changes in brightness. Panoramas may be blurred if the subject is poorly lit.

### Viewing Panoramas

In full-frame playback, you can use the rear command dial to zoom panoramas in or out. Alternatively, you can play the panorama back using the selector.







Press the selector down to start playback and press again to pause. While playback is paused, you can scroll the panorama manually by pressing the selector left or right; vertical panoramas will scroll vertically, horizontal panoramas horizontally. To exit to full-frame playback, press the selector up.

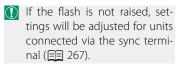
# Flash Photography

Use the supplied EF-X8 shoe-mounted flash unit for additional lighting at night or indoors under low light.

1 Remove the hot shoe cover and slide the flash onto the hot shoe as shown, stopping when it clicks into place.



2 Raise the flash.





3 Select FLASH FUNCTION SET-TING in the FLASH SETTING menu.





This feature can also be accessed via shortcuts (E 250).

4 Highlight items using the selector and rotate the rear command dial to change the highlighted setting ( 110).



- 5 Press **DISP/BACK** to put the changes into effect.
- Depending on the distance to the subject, some lenses may cast shadows in photos taken with the flash.

The flash will not fire at some settings, for example in panorama mode or when the electronic shutter is used.

Choose shutter speeds slower than 250X when using the flash in exposure mode **S** (shutter-priority AE) or manual (M).

In TTL mode, the flash may fire several times with each shot. Do not move the camera until shooting is complete.

# Flash Settings

The following settings are available when the supplied EF-X8 shoe-mounted flash unit is attached.



Setting	Description
1 Flash control mode	Choose from the following options:  • TTL: TTL mode. Adjust flash compensation (②) and choose a flash mode (③).  • M: The flash fires at the selected output (②) regardless of subject brightness or camera settings. Output is expressed in fractions of full power, from ¼ to ¼4. 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.  • ME (COMMANDER): Choose if the flash is being used to control remote synced flash units, for example as part of a studio flash system.  • ⑤OFF (OFF): The EF-X8 does not fire. Flash units connected via the sync terminal will still fire when the shutter is released, but can be disabled by lowering the EF-X8 and turning the units off in the flash settings menu.
2 Flash compen-	Adjust flash level. The options available vary with
sation/output	the flash control mode ( <b>1</b> ).

Thusin Hotogra			
Setting	Description		
③ Flash mode (TTL)	Choose a flash mode for TTL flash control. The options available vary with the shooting mode (P, S, A, or M) selected.  • ITH (FLASH AUTO): 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.  • ITH (STANDARD): 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.  • ITH (SLOW SYNC.): 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.		
4 Sync	Choose whether the flash is timed to fire immediately after the shutter opens (#6n/1ST CURTAIN) or immediately before it closes (#6n/2ND CURTAIN).  1ST CURTAIN is recommended in most circumstances.		

### Red-Eve Removal

Red-eye removal is available when an option other than **OFF** is selected for **TFLASH SETTING** > **RED EYE REMOVAL** and MAF/MF SETTING > FACE/EYE DETECTION SETTING is ON. Red-eye removal minimizes "red-eye" caused when light from the flash is reflected from the subject's retinas.

### Flash Sync Speed

The flash will synchronize with the shutter at shutter speeds of 1/250 s or slower

### Optional Flash Units from FUJIFILM

The camera can be used with optional FUJIFILM shoe-mounted flash units.

### Third-Party Flash Units

Do not use third-party flash units that apply over 300 V to the camera hot shoe.

# The Shooting Menus



# I.Q. IMAGE QUALITY SETTING

Adjust image quality settings.

To display image quality settings, press MENU/OK in the shooting display and select the (IMAGE QUALITY SETTING) tab.





The options available vary with the shooting mode selected.

### **IMAGE SIZE**

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

Option	lmage size	Option	lmage size	Option	lmage size
	$6000 \times 4000$				
	$4240 \times 2832$				
S 3:2	$3008 \times 2000$	<b>§</b> 16:9	$3008 \times 1688$	§ 1:1	$2000 \times 2000$



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

### Aspect Ratio-

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

### **IMAGE QUALITY**

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

### The Function Buttons

To toggle RAW image quality on or off for a single shot, assign **RAW** to a function button (258). If a JPEG option is currently selected for image quality, pressing the button temporarily selects the equivalent JPEG+RAW option. If a JPEG+RAW option is currently selected, pressing the button temporarily selects the equivalent JPEG option, while if **RAW** is selected, pressing the button temporarily selects **FINE**. Taking a picture or pressing the button again restores the previous setting.

# **RAW RECORDING**

Choose whether to compress RAW images.

Option	Description			
UNCOMPRESSED	RAW images are not compressed.			
LOSSLESS COMPRESSED	RAW images are compressed using a reversible algorithm that reduces file size with no loss of image data. The images can be viewed in RAW FILE CONVERTER EX 2.0 or other software that supports "lossless" RAW compression (			

### FILM SIMULATION

Simulate the effects of different kinds of film, including black-and-white (with or without color filters). Choose a palette according to your subject and creative intent.

Option	Description		
STD PROVIA/	Standard color reproduction. Suited to a wide		
STANDARD	range of subjects, from portraits to landscapes.		
Velvia/VIVID	A high-contrast palette of saturated colors,		
VET VEIVIA/VIVID	suited to nature photos.		
	Enhances the range of hues available for skin		
ASTIA/SOFT	tones in portraits while preserving the bright		
S ASTIA/SUFI	blues of daylight skies. Recommended for out-		
	door portrait photography.		
CE CLASSIC	Soft color and enhanced shadow contrast for		
CHROME	a calm look.		
	Offers slightly more contrast than T PRO		
顶带 PRO Neg. Hi	<b>Neg. Std</b> . Recommended for outdoor portrait		
	photography.		
	A soft-toned palette. The range of hues avail-		
门實 PRO Neg. Std	able for skin tones is enhanced, making this a		
	good choice for studio portrait photography.		

Option		Description
7	ACROS*	Take black-and-white photos with rich grada-
Α	ACNUS	tion and outstanding sharpness.
B	MONOCHROME*	Take pictures in standard black and white.
SEPIA	SEPIA	Take pictures in sepia.

\* Available with yellow (**Ye**), red (**R**), and green (**G**) filters, which deepen shades of gray corresponding to hues complementary to the selected color. The yellow (**Ye**) filter deepens purples and blues and the red (**R**) filter blues and greens. The green (**G**) filter deepens reds and browns, including skin tones, making it a good choice for portraits.



Film simulation options can be combined with tone and sharpness settings.

Film simulation settings can also be accessed via short-cuts ( 250).

For more information, visit: http://fujifilm-x.com/en/x-stories/the-world-of-film-simulation-episode-1/

# **GRAIN EFFECT**

Add a film grain effect. Select an amount (**STRONG** or **WEAK**) or choose **OFF** to turn film grain off.

Options			
STRONG	WEAK	OFF	

### **DYNAMIC RANGE**

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

Options				
AUTO	₽ <mark>100</mark> 100%	₽ <mark>200</mark> 200%	R400 400%	



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

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

### WHITE BALANCE

For natural colors, choose a white balance option that matches the light source.

Option	Description
AUTO	White balance is adjusted automatically.
$\square_1/\square_2/\square_3$	Measure a value for white balance.
K	Choose a color temperature.
*	For subjects in direct sunlight.
*	For subjects in the shade.
₩1	Use under "daylight" fluorescent lights.
羚	Use under "warm white" fluorescent lights.
₩	Use under "cool white" fluorescent lights.
- <b>Д</b> -	Use under incandescent lighting.
	Reduces the blue cast typically associated with un-
	derwater lighting.



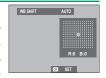
Results vary with shooting conditions. Play pictures back after shooting to check colors.

White balance is adjusted for flash lighting only in AUTO and modes. Turn the flash off using other white balance options.

White balance options can also be accessed via shortcuts ( 250).

# Fine-Tuning White Balance

Pressing MENU/OK after selecting a white balance option displays the dialog shown at right; use the selector to fine-tune white balance or press DISP/BACK to exit without fine-tuning.



#### **Custom White Balance**

Choose ℚ₁, ℚ₂, or ℚ₃ to adjust white balance for unusual lighting conditions. White balance measurement options will be displayed; frame a white object so that it fills



the display and press the shutter button all the way down to measure white balance (to select the most recent custom value and exit without measuring white balance, press **DISP/BACK**, or press **MENU/OK** to select the most recent value and display the fine-tuning dialog).

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

# Color Temperature

Selecting in the white balance menu displays a list of color temperatures; highlight a color temperature and press MENU/OK to select the highlighted option and display the fine-tuning dialog.



#### Color Temperature

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

## **HIGHLIGHT TONE**

Adjust the appearance of highlights. Choose from seven options between +4 and -2.

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

## **SHADOW TONE**

Adjust the appearance of shadows. Choose from seven options between +4 and -2.

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

## **COLOR**

Adjust color density. Choose from nine options between +4 and -4.

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

## **SHARPNESS**

Sharpen or soften outlines. Choose from nine options between +4 and -4.

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

## **NOISE REDUCTION**

Reduce noise in pictures taken at high sensitivities. Choose from nine options between +4 and -4.

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

## **LONG EXPOSURE NR**

Select ON to reduce mottling in long time-exposures.

0pt	ions
ON	OFF

#### LENS MODULATION OPTIMIZER

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

Options			
ON	OFF		

## **COLOR SPACE**

Choose the gamut of colors available for color reproduction.

<b>Option</b>	Description			
sRGB	Recommended in most situations.			
Adobe RGB	For commercial printing.			

#### PIXEL MAPPING

Use this option if you notice bright spots in your pictures.

- 1 Press MENU/OK in the shooting display and select the **MIMAGE QUALITY SETTING** tab.
- Highlight PIXEL MAPPING and press MENU/OK to perform pixel mapping. Processing may take a few seconds.
- Results are not guaranteed.

Be sure the battery is fully charged before beginning pixel mapping.

Pixel mapping is not available when the camera temperature is elevated.

#### SELECT CUSTOM SETTING

Recall settings saved with EDIT/SAVE CUSTOM SETTING. Settings can be recalled from any of the seven custom settings banks.

Banks					
CUSTOM 1	CUS	TOM 2	CUSTO	M 3	CUSTOM 4
CUSTOM	5 CUST		OM 6	C	USTOM 7

#### **EDIT/SAVE CUSTOM SETTING**

Save up to 7 sets of custom camera settings for commonly-encountered situations. Saved settings can be recalled using **MIMAGE QUALITY SETTING** > **SELECT CUSTOM SETTING**.

1 Press MENU/OK in shooting mode to display the shooting menu. Select the IMAGE QUALITY SETTING tab, then highlight EDIT/SAVE CUSTOM SETTING and press MENU/OK.

Highlight a custom settings bank and press MENU/OK to select.



- 3 Adjust the following as desired:
  - DYNAMIC RANGE
    - SHADOW TONE
  - FILM SIMULATION
     COLOR
  - GRAIN EFFECT
     SHARPNESS
- - WHITE BALANCE
- NOISE REDUCTION
- HIGHLIGHT TONE
- Press DISP/BACK. A confirmation dialog will be displayed; highlight OK and press MENU/OK.



To store current camera settings in the selected bank, highlight **SAVE CURRENT SETTINGS** in Step 3 and press MENU/OK. Banks can be renamed using EDIT CUSTOM NAME

To restore default settings for the current bank, select RESET



# AF/MF SETTING

Adjust focus settings.

To display focus settings, press MENU/OK in the shooting display and select the A (AF/MF SETTING) tab.





The options available vary with the shooting mode selected

## **FOCUS AREA**

Choose the focus area for autofocus, manual focus, and focus zoom.

# AF MODE

Choose the AF mode for focus modes S and C.

Option	Description
SINGLE	The camera focuses on the subject in the selected focus point. The number of focus points available can be selected using <b>MAF/MF SETTING &gt; NUMBER OF FOCUS</b>
POINT	<b>POINTS.</b> Use for pin-point focus on a selected subject.
ZONE	The camera focuses on the subject in the selected focus zone. Focus zones include multiple focus points, making it easier to focus on subjects that are in motion.
[] WIDE/ TRACKING	In focus mode <b>C</b> , the camera tracks focus on the subject in the selected focus point while the shutter button is pressed halfway. In focus mode <b>S</b> , the camera automatically focuses on high-contrast subjects; the areas in focus are shown in the display. The camera may be unable to focus on small objects or subjects that are moving rapidly.
ALL ALL	Rotate the rear command dial in the focus-point selection display ( 80, 81) to cycle through AF modes in the following order: SINGLE POINT, ZONE, and WIDE/TRACKING.

## AF-C CUSTOM SETTINGS

Select focus-tracking options for focus mode **C**. Choose from Sets 1–5 according to your subject or select Set 6 for custom focus-tracking options.



Option	Description
SET 1 MULTI PURPOSE	A standard tracking option that works well with
JET I MOLITI ONI OJE	the typical range of moving subjects.
SET 2 IGNORE	The focus system attempts to track the chosen
OBSTACLES & CONTINUE	subject. Choose with subjects that are hard to
TOTRACKSUBJECT	keep in the focus area or if other objects are likely
TOTHINCKSOBSECT	to enter the focus area with the subject.
SET 3 FOR	The focus system attempts to compensate for
ACCELERATING/	subject acceleration or deceleration. Choose for
DECELERATING SUBJECT	subjects prone to rapid changes in velocity.
	The focus system attempts to focus quickly on
SET4FOR SUDDENLY	subjects entering the focus area. Choose for
APPEARING SUBJECT	subjects that appear abruptly or when rapidly
	switching subjects.
SET 5 FOR ERRATICALLY	Choose for hard-to-track subjects prone not only
MOVING & ACCEL./	to sudden changes in velocity but also to large
DECEL. SUBJECT	movements front to back and left to right.
	Adjust TRACKING SENSITIVITY, SPEED
SET 6 CUSTOM	TRACKING SENSITIVITY, and ZONE AREA
JEI OCOJIOM	<b>SWITCHING</b> to suit your preferences based on
	the values for Sets 1−5 ( <u>■</u> 136, 139).

## **Focus Tracking Options**

The individual parameters that are part of a focus tracking set are described below.

#### TRACKING SENSITIVITY

This parameter determines how long the camera waits to switch focus when an object enters the focus area behind or in front of the current subject. The higher the value, the longer the camera will wait.







The higher the value, the longer it takes the camera to refocus when you attempt to switch subjects. The lower the value, the more likely the camera is to switch focus from your subject to other objects in the focus area.

#### SPEED TRACKING SENSITIVITY

This parameter determines how sensitive the tracking system is to changes in subject velocity. The higher the value, the greater the precision with which the system attempts to respond to sudden movement.



Options				
0	1	2		



The higher the value, the more difficulty the camera will have focusing in situations in which autofocus does not perform well, such as when the subject is highly reflective or low in contrast

#### **ZONE AREA SWITCHING**

This parameter determines the focus area given priority in zone AF.



<b>Option</b>	Description
CENTER	Zone AF assigns priority to subjects in the center of the zone.
	The camera locks focus on the subject at the center of the zone and then switches focus areas as necessary to track it.
FRONT	Zone AF assigns priority to the subjects closest to the camera.

①

This option takes effect only when **II ZONE** is selected for AF mode.

#### Set Values -

Parameter values for the different sets are listed below.

	TRACKING SENSITIVITY	SPEED TRACKING SENSITIVITY	ZONE AREA SWITCHING
SET 1	2	0	AUTO
SET 2	3	0	CENTER
SET 3	2	2	AUTO
SET 4	0	1	FRONT
SET 5	3	2	AUTO

# Custom Focus Tracking Options

Follow the steps below to adjust settings for Set 6.

1 Select AF-C CUSTOM SETTINGS > SET 6 CUSTOM.



- 2 Press the selector up or down to highlight items and rotate the front command dial to change. To reset settings to their original values, press ⋒.
- 3 Press DISP/BACK when settings are complete.

## STORE AF MODE BY ORIENTATION

Choose whether the focus mode and focus area used when the camera is in portrait orientation are stored separately from those used when the camera is in landscape orientation.

Option	Description
OFF	The same settings are used in both orientations.
FOCUS AREA ONLY	The focus area for each orientation can be selected separately.
ON	The focus mode and focus area can be selected separately.

# AF POINT DISPLAY [1]

Choose whether individual focus frames are displayed when **ZONE** or **WIDE/TRACKING** is selected for **MAF/MF SETTING** > **AF MODE**.

Options		
ON	OFF	

## NUMBER OF FOCUS POINTS

Choose the number of focus points available for focus-point selection in manual focus mode or when SINGLE POINT is selected for AF MODE.

Option	Description
91 POINTS	Choose from 91 focus points arranged in a 7- by 13-point
$(7 \times 13)$	grid.
325 POINTS	Choose from 325 focus points arranged in a 13- by
$(13 \times 25)$	25-point grid.

## PRE-AF

If **ON** is selected, the camera will continue to adjust focus even when the shutter button is not pressed halfway. Note that this increases the drain on the battery.

Options		
ON	OFF	

## **AF ILLUMINATOR**

If ON is selected, the AF-assist illuminator will light to assist autofocus.

Options		
ON	OFF	



The camera may be unable to focus using the AF-assist illuminator in some cases. If the camera is unable to focus, try increasing the distance to the subject.

Avoid shining the AF-assist illuminator directly into your subject's eyes.

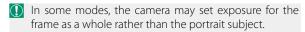
#### FACE/EYE DETECTION SETTING

Intelligent Face Detection sets focus and exposure for human faces anywhere in the frame, preventing the camera from focusing on the

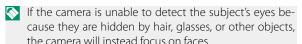


background in group portraits. Choose for shots that emphasize portrait subjects. Faces can be detected with the camera in vertical or horizontal orientation; if a face is detected, it will be indicated by a green border. If there is more than one face in the frame, the camera will select the face closest to the center; other faces are indicated by white borders. You can also choose whether the camera detects and focuses on eyes when Intelligent Face Detection is on. Choose from the following options:

Option	Description	
FACE ON/EYE OFF	Intelligent Face Detection only.	
FACE ON/	The camera automatically chooses which eye to	
EYE AUTO	focus on when a face is detected.	
FACE ON/RIGHT The camera focuses on the right eye of subject		
<b>EYE PRIORITY</b>	detected using Intelligent Face Detection.	
<b>FACE ON/LEFT</b> The camera focuses on the left eye of subjects		
<b>EYE PRIORITY</b>	tected using Intelligent Face Detection.	
FACE OFF/EYE OFF Intelligent Face Detection and eve priority off.		



If the subject moves as the shutter button is pressed, the face may not be in the area indicated by the green border when the picture is taken.



Face/eye detection options can also be accessed via shortcuts (E 250).

#### AF+MF

If **ON** is selected in focus mode **S**, focus can be adjusted manually by rotating the focus ring while the shutter button is pressed halfway. Both standard and focus peaking MF assist options are supported.

# Options OFF



Lenses with a focus distance indicator must be set to manual focus mode (MF) before this option can be used. Selecting MF disables the focus distance indicator. Set the focus ring to the center of the focus distance indicator, as the camera may fail to focus if the ring is set to infinity or the minimum focus distance.

#### AF + MF Focus Zoom-

When **ON** is selected for **M AF/MF SETTING > FOCUS CHECK** and **SINGLE POINT** selected for **AF MODE**, focus zoom can be used to zoom in on the selected focus area. The zoom ratio (2.5× or 6×) can be selected using the rear command dial.

## **MF ASSIST**

Choose how focus is displayed in manual focus mode.

Option	Description
STANDARD	Focus is displayed normally (focus peaking and digital
JIANUANU	split image are not available).
	Displays a black-and-white (MONOCHROME) or
VPI II IMAGE	color ( <b>COLOR</b> ) split image in the center of the frame.
	Frame the subject in the split-image area and rotate
	the focus ring until the three parts of the split image
	are correctly aligned.
<b>FOCUS PEAK</b>	The camera heightens high-contrast outlines. Choose
HIGHLIGHT	a color and peaking level.

## **FOCUS CHECK**

If **ON** is selected, the display will automatically zoom in on the selected focus area when the focus ring is rotated in manual focus mode.

Options		
ON	OFF	



Pressing the center of the rear command dial cancels focus zoom.

## **INTERLOCK SPOT AE & FOCUS AREA**

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

Options		
ON	OFF	

#### **INSTANT AF SETTING**

Choose whether the camera focuses using single AF (AF-S) or continuous AF (AF-C) when the AF-L button is pressed in manual focus mode.

Options		
AF-S	AF-C	

#### **DEPTH-OF-FIELD SCALE**

Choose **FILM FORMAT BASIS** to help you make practical assessments of depth of field for pictures that will be viewed as prints and the like, **PIXEL BASIS** to help you assess depth of field for pictures that will be viewed at high resolutions on computers or other electronic displays.

Options			
PIXEL BASIS	FILM FORMAT BASIS		

## RELEASE/FOCUS PRIORITY

Choose how the camera focuses in focus mode AF-S or AF-C.

Option	Description
RELEASE	Shutter response is prioritized over focus. Pictures can
RELEASE	be taken when the camera is not in focus.
FOCUS	Focus is prioritized over shutter response. Pictures can
	be only taken when the camera is in focus.



## SHOOTING SETTING

Adjust shooting options.

To display shooting options, press **MENU/OK** in the shooting display and select the **(SHOOTING SETTING)** tab.





The options available vary with the shooting mode selected.

## **DRIVE SETTING**

Adjust settings for the various drive modes.

Option	Description			
BKT SETTING	Choose the settings used when the drive dial is rotated to <b>BKT</b> ( 150).			
CH HIGH SPEED BURST	Select the frame rate used when the drive dial is rotated to <b>CH</b> (continuous high speed): 14, 11, or 8 fps. Note that <b>14 fps</b> is available only with the electronic shutter and <b>11 fps</b> only with the electronic shutter or a power booster grip (available separately).			
CL LOW SPEED BURST	Select the frame rate used when the drive dial is rotated to <b>CL</b> (continuous low speed): 5, 4, or 3 fps.			
ADV. FILTER SETTING	Choose the filter used when the drive dial is rotated to <b>ADV.</b> (1919) 103).			

## **BKT SETTING**

Use **BKT SELECT** to choose a bracketing type and the **AE BKT**, **ISO BKT**, **FILM SIMULATION BKT**, and **WHITE BALANCE BKT** options to choose the bracketing amount for each type.

Option	Description		
BKT SELECT	Choose from AEBKT, SIMULATION BKT, WHITE BALANCE		
DKI JELECI	· —		
	BKT, and M DYNAMIC RANGE BKT.		
	Adjust exposure bracketing settings.		
	• FRAMES/STEP SETTING: Choose the number of		
	shots in the bracketing sequence ( <b>FRAMES</b> )		
	and the amount exposure is varied with each		
	shot ( <b>STEP</b> ).		
AE BKT	• 1 FRAME/CONTINUOUS: Choose whether the		
	shots in the bracketing sequence are taken		
	one at a time (1 FRAME) or in a single burst		
	(CONTINUOUS).		
	• <b>SEQUENCE SETTING</b> : Choose the order in which		
	the shots are taken.		
ISO BKT	Choose from ±1/3, ±2/3, and ±1.		
FILM SIMULATION	Choose the three film simulation types used for		
BKT	film simulation bracketing (🗐 118).		
WHITE BALANCE BK	T Choose from ±1, ±2, and ±3.		

#### SELF-TIMER

Choose a shutter release delay.

Option	Description
☼ 2 SEC	The shutter is released two seconds after the shutter but-
	ton is pressed. Use to reduce blur caused by the camera
	moving when the shutter button is pressed. The self-tim-
	er lamp blinks as the timer counts down.
്₀ 10 SEC	The shutter is released ten seconds after the shutter but-
	ton is pressed. Use for photographs in which you wish to
	ton is pressed. Use for photographs in which you wish to appear yourself. The self-timer lamp blinks immediately
	before the picture is taken.
OFF	Self-timer off.

If an option other than **OFF** is selected, the timer will start when the shutter button is pressed all the way down. The display in the monitor shows the number of sec-



onds remaining until the shutter is released. To stop the timer before the picture is taken, press **DISP/BACK**.



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

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

#### INTERVAL TIMER SHOOTING

Configure the camera to take photos automatically at a preset interval.

1 Highlight INTERVAL TIMER SHOOTING in the ☑ (SHOOTING SETTING) tab and press MENU/OK.



2 Use the selector to choose the interval and number of shots. Press MENU/OK to proceed.



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



- Interval timer photography can not be used at a shutter speed of **B** (bulb) or with multiple exposure photography. In burst mode, only one picture will be taken each time the shutter is released.
- Use of a tripod is recommended.

Check the battery level before starting. We recommend using an optional AC-9V AC power adapter and CP-W126 DC coupler.

The display turns off between shots and lights a few seconds before the next shot is taken. The display can be activated at any time by pressing the shutter button.

To continue shooting until the memory card is full, set the number of shots to  $\infty$ .

#### SHUTTER TYPE

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

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

If an option other than MS MECHANICAL SHUTTER is selected, shutter speeds faster than %000 s can be chosen by rotating the shutter speed dial to 8000 and then rotating the rear command dial.

- Distortion may be visible in shots of moving subjects with electronic shutter, while banding and fog may occur in shots taken under fluorescent lights or other flickering or erratic illumination. When taking pictures with the shutter muted, respect your subjects' image rights and right to privacy.
- When the electronic shutter is used, the flash is disabled, shutter speed and sensitivity are restricted to values of ⅓₂₂₀₀−30 s and ISO 12800−200 respectively, and long exposure noise reduction has no effect.

# **IS MODE**

## Reduce blur.

Option	Description		
(₩) <sub>1</sub> CONTINUOUS	lmage stabilization on.		
ONIV	Image stabilization enabled only when the shutter button is pressed halfway (focus mode <b>C</b> ) or the shutter is released.		
	Image stabilization off; 🕪 appears in the display. Recommended when the camera is on a tripod.		



This option is available only with lenses that support image stabilization.

#### ISO AUTO SETTING

Choose the base sensitivity, maximum sensitivity, and minimum shutter speed for the A position on the sensitivity dial. Settings for AUTO1, AUTO2, and AUTO3 can be stored separately.

		Default		
ltem	Options	AUT01	AUT02	AUT03
<b>DEFAULT SENSITIVITY</b>	12800-200	200		
MAX. SENSITIVITY	12800-400	800	1600	3200
MIN. SHUTTER SPEED	1/500-1/4 SEC, AUTO		1/60 SEC	

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



If the value selected for **DEFAULT SENSITIVITY** is higher than that selected for **MAX. SENSITIVITY**, **DEFAULT SENSITIVITY** will be set to the value selected for **MAX. SENSITIVITY**.

The camera may select shutter speeds slower than MIN. SHUTTER SPEED if pictures would still be underexposed at the value selected for MAX. SENSITIVITY. If AUTO is selected for MIN. SHUTTER SPEED, the camera will automatically choose a minimum shutter speed approximately equal to the inverse of the lens' focal length, in seconds (for example, if the lens has a focal length of 50 mm, the camera will choose a minimum shutter speed in the neighborhood of 1/50 s). The minimum shutter speed is not affected by the option selected for image stabilization.

## MOUNT ADAPTOR SETTING

Adjust settings for M-mount lenses connected using an optional FUJIFILM M MOUNT ADAPTER.

## Choosing a Focal Length

If the lens has a focal length of 21, 24, 28, or 35 mm, choose a matching option in the **MOUNT ADAPTOR SETTING** menu.



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



# Distortion Correction

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



# Color Shading Correction

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



To use color shading correction, follow the steps below.

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

# **Peripheral Illumination Correction**

Choose from values between -5 and +5. Choosing positive values increases peripheral illumination, while choosing negative values reduces peripheral illumination.



Positive values are recommended for vintage lenses, negative values to create the effect of images taken with an antique lens or a pinhole camera.



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

#### WIRELESS COMMUNICATION

Connect to smartphones running 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://fujifilm-dsc.com/wifi/



# FLASH SETTING

Adjust flash-related settings.

display flash-related settings, press MENU/OK in the shooting display and select the [3 (FLASH SETTING) tab.





The options available vary with the shooting mode selected

# FLASH FUNCTION SETTING

Choose a flash control mode, flash mode, or sync mode or adjust the flash level. The options available vary with the flash.





See page 264 for more information.

# **RED EYE REMOVAL**

Remove red-eye effects caused by the flash.

Option	Description
FLASH +	A red-eye reduction pre-flash is combined with digital
REMOVAL	red-eye removal.
FLASH	Flash red-eye reduction only.
REMOVAL	Digital red-eye removal only.
OFF	Flash red-eye reduction and digital red-eye removal off.



Flash red-eye reduction can be used in TTL flash control mode. Digital red-eye removal is performed only when a face is detected and is not available with RAW images.

# TTL-LOCK MODE

Instead of adjusting flash level with each shot, TTL flash control can be locked for consistent results across a series of photographs.

Option	Description		
	The value metered for the most recent photo tak-		
	en using TTL will be used for subsequent photos.		
FLASH	An error message will be displayed if no previ-		
	ously metered value exists.		
LOCK WITH	The value metered with the next series of		
METERING FLASH	pre-flashes will be used for subsequent photos.		



To use TTL lock, assign **TTL-LOCK** to a camera control and then use the control to enable or disable TTL lock ( 258).

Flash compensation can be adjusted while TTL lock is in effect

# LED LIGHT SETTING

Choose whether to use the flash unit's LED video light (if available) as a catchlight or AF-assist illuminator when taking photos.

Option	Role of LED video light in still photography	
CATCHLIGHT	Catchlight	
AF ASSIST	AF-assist illuminator	
AF ASSIST + CATCHLIGHT	AF-assist illuminator and catchlight	
OFF	None	



This option can also be accessed via the flash settings menu.

# **MASTER SETTING**

Choose a flash group (A, B, or C) for the flash mounted on the camera hot shoe when it functions as a master flash controlling remote flash units via FUJIFILM wireless optical flash control, or choose **OFF** to limit master flash output to a level that does not affect the final picture.

Options			
Gr A	Gr B	Gr C	OFF



This option can also be accessed via the flash settings menu

# **CH SETTING**

Choose the channel used for communication between the master flash and remote flash units when using FUJIFILM optical wireless flash control. Separate channels can be used for different flash systems or to prevent interference when multiple systems are operating in close proximity.

Options			
CH1	CH2	CH3	CH4



# **MOVIE SETTING**

Adjust movie-recording options.

To display options for movie recording, press MENU/OK in the shooting display and select the ⊞ (MOVIE SETTING) tab.





The options available vary with the shooting mode selected.

# **MOVIE MODE**

Choose a frame size and rate for movie recording.

<b>5</b> .				
Option	Frame size	Rate		
2160/29.97P		29.97 fps		
2160/25P	3840×2160	25 fps		
213 2160/24P	(4K)	24 fps		
2160/23.98P	, ,	23.98 fps		
1080/59.94P		59.94 fps		
1080/50P		50 fps		
1080/29.97P	1920×1080	29.97 fps		
1080/25P	(Full HD)	25 fps		
1080/24P	Ì	24 fps		
1080/23.98P		23.98 fps		
TD 720/59.94P		59.94 fps		
<b>ID</b> 720/50P	1280×720	50 fps		
TD 720/29.97P		29.97 fps		
<b>ID</b> 720/25P	(HD)	25 fps		
TD 720/24P		24 fps		
<b>ID</b> 720/23.98P		23.98 fps		

# **MOVIE AF MODE**

Choose how the camera selects the focus point for movie recording.

<b>Option</b>	Description
MULTI	Automatic focus-point selection.
AREA	The camera focuses on the subject in the selected focus area.

# HDMI OUTPUT INFO DISPLAY

If **ON** is selected, HDMI devices to which the camera is connected will mirror the information in the camera display.

Options		
ON OFF		

# **4K MOVIE OUTPUT**

Choose the destination for 4K movies shot while the camera is connected to an HDMI recorder or other device that supports 4K.

Option	Description
SD CARD	4K movies are recorded to a camera memory card in 4K
	and output to the HDMI device in Full HD.
	4K movies are output to the HDMI device in 4K, starting
HDMI	when the shutter button is pressed. The camera does not
	record 4K movies to a memory card.
	The camera outputs 4K movies to the HDMI device and
нрмі	does not record them to a memory card. Low gamma
(F.Log)	and a color space with a wide gamut are used to create
	footage suitable for post-processing. Minimum sensitivi-
	ty is set to ISO 800.

# HDMI REC CONTROL

Choose whether the camera sends movie start and stop signals to the HDMI device when the shutter button is pressed to start and stop movie recording.

Options		
ON	OFF	

# MIC LEVEL ADJUSTMENT

Adjust the recording level for the built-in and external microphones.



<b>Option</b>	Description
20—1	Choose a recording level.
OFF	Disable the microphone.



Displays shows the peak recording level detected in a given period.

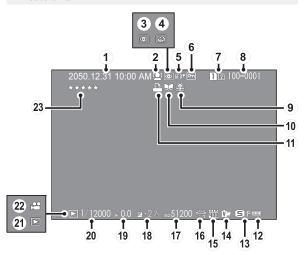
You can assign MIC LEVEL ADJUSTMENT to a camera control and then using the control to adjust the microphone level during recording.

# Playback and the Playback Menu

# The Playback Display

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

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



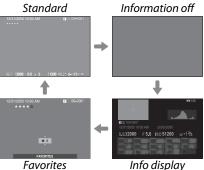
1	Date and time	.44, 204
<b>(2</b> )	Face detection indicator	143
3	Red-eye removal indicator	
_		163, 189
4	Advanced filter	
<b>(5</b> )	Location data	246, 294
	Protected image	
<b>(7</b> )	Card slot	178
	Frame number	
<b>(9</b> )	Gift image	51
	Photobook assist indicator	
<u>(11)</u>	DPOF print indicator	197
(12)	Battery level	43
_		

(13) Image size/quality	
14) Film simulation	
15 Dynamic range	121
16 White balance	122
17 Sensitivity	88
<b>18</b> Exposure compensation.	
(19) Aperture	63, 69, 72
20 Shutter speed	
(21) Playback mode indicator	·51
<b>22</b> Movie icon	58
23 Rating	

# The DISP/BACK Button

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



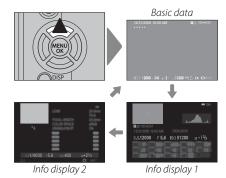


Favorites: Rating Pictures-

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.



# Zooming in on the Focus Point-

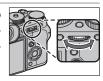
Press the center of the rear command dial to zoom in on the focus point. Press again to return to full-frame playback.



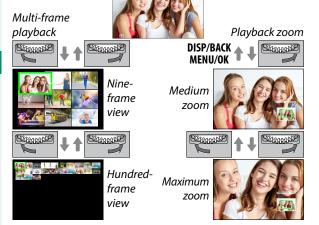
# **Viewing Pictures**

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.







# 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 **MIMAGE 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.



Naviaation 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 nineand 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.





Use the front command dial to scroll through the menus a page at a time.

# SWITCH SLOT

Choose the card from which images will be played back.



If two memory cards are inserted, you can press and hold the **b** 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 181. 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.
- **?** Press the selector up or down hiahliaht 🔟 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



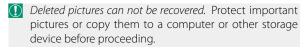
- option and press MENU/OK to select and return to the settings list. Repeat this step to adjust additional settings.
- 4 Press the **Q** button to preview the JPEG copy and press MENU/OK to save.

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

Setting	Description
REFLECT	Create a JPEG copy using the settings in effect at
SHOOTING COND.	the time the photo was taken.
PUSH/PULL PROCESSING	Adjust exposure.
DYNAMIC RANGE	Enhance details in highlights for natural contrast.
FILM SIMULATION	Simulate the effects of different types of film.
GRAIN EFFECT	Add a film grain effect.
WHITE BALANCE	Adjust white balance.
WB SHIFT	Fine-tune white balance.
HIGHLIGHT TONE	Adjust highlights.
SHADOW TONE	Adjust shadows.
COLOR	Adjust color density.
SHARPNESS	Sharpen or soften outlines.
NOISE REDUCTION	Process the copy to reduce mottling.
LENS	Improve definition by adjusting for diffraction
MODULATION	and the slight loss of focus at the periphery of
OPTIMIZER	the lens.
COLOR SPACE	Choose the color space used for color reproduc-
	tion.

# **ERASE**

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



Option	Description
FRAME	Delete pictures one at a time.
SELECTED FRAMES	Delete multiple selected pictures.
ALL FRAMES	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**

- 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 can not 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.

#### **CROP**

Create a cropped copy of the current picture.

- 1 Display the desired picture.
- **?** 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

# **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 can not be rotated. Remove protection before rotating pictures.

The camera may not be able to rotate pictures created with other devices. Pictures rotated on the camera will not be rotated when viewed on a computer or on other cameras.

Pictures taken with **SCREEN SET-UP** > **AUTOROTATE PB** are automatically displayed in the correct orientation during playback.

#### **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 can not be removed from pictures that have already been processed using red-eye removal, which are indicated by a loop during playback.

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

Red eye removal can not be performed on RAW images.

# **VOICE MEMO SETTING**

Add a voice memo to the current photograph.

- 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 can not be added to movies or protected pictures.

#### Playing Voice Memos-

Pictures with voice memos are indicated by econs 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.

# WIRELESS COMMUNICATION

Connect to smartphones running 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://fujifilm-dsc.com/wifi/

#### **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 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 "FUJIFILM PC AutoSave" application (note that you must first install the software and configure the computer as a destination for images copied from the camera).

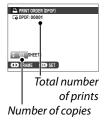


For downloads and other information, visit: http://fujifilm-dsc.com/wifi/

## 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, a message will be displayed. Pressing MENU/OK cancels the print order; a new print order must be created 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.
- 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 sister PRINTER PRIN picture you want to print, then press MENU/OK. The picture will be sent to the printer and printing will start.

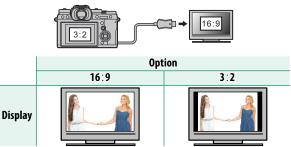


Pictures taken with other cameras can not be printed.

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

#### **DISP ASPECT**

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



# The Setup Menus



# **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 **Suser Setting** > **FORMAT** in the **Setting** (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 fibutton.

## DATE/TIME

To set the camera clock:

- 1 Select SUSER SETTING > DATE/TIME in the S (SET UP) tab.
- 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.
- 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, ★ will be displayed in yellow for about three seconds when the camera is turned on.

Options						
options						
<b>-</b> 410€AL	♠ HOME					

#### 言語/LANG.

Choose a language.

## **MY MENU SETTING**

Edit the items listed in the **(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.

- **0K**: 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 can not be removed using sensor cleaning can be removed manually.

#### 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.

- 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 **4OFF**.

Options						
•(•1) (high)	■ • (medium)	• <b>●</b> • (low)	<b>■¶OFF</b> (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 **4OFF**.

Options						
•(•1) (high)	■ • • • • • (medium)	• <b>€</b> • (low)	■ <b>(OFF</b> (mute)			

## **OPERATION VOL.**

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

Options						
<b>◄•1)</b> (high)	• <b>(</b> • ) (medium)	• <b>(</b> • (low)	■ <b>(OFF</b> (mute)			

## **HEADPHONES VOLUME**

Adjust the volume of headphones connected via a VPB-XT2 power booster grip (available separately). Choose from 10 options between 10 (high) and 1 (low) or select 0 to mute the headphones.

Options										
10	9	8	7	6	5	4	3	2	1	0

## SHUTTER VOLUME

Adjust the volume of the sounds produced by the electronic shutter. Choose **4OFF** to disable the shutter sound.

Options						
<b>-(-1)</b> (high)	• <b>(</b> • • • (medium)	<b>■</b> (low)	<b>■¶OFF</b> (mute)			

#### SHUTTER SOUND

Choose the sound made by the electronic shutter.

	Options	
<b>♪</b> 1	♪2	<b>♪</b> 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 view-finder. Choose from 11 options between +5 and -5.



# **LCD BRIGHTNESS**

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

				(	ption	S				
+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

# **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				
	Pictures are displayed until the MENU/OK button is				
CONTINUOUS	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.				
1.5 SEC	Pictures are displayed for the selected time or until the				
0.5 SEC	shutter button is pressed halfway.				
OFF	Pictures are not displayed after shooting.				

#### AUTOROTATE DISPLAYS

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

Options		
ON	OFF	

## 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. 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

#### PREVIEW PIC. EFFECT

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

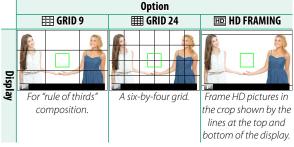
Options		
ON	OFF	



If **OFF** 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.



Framing guides are not shown at default settings but can be displayed using **Z** SCREEN SET-UP > DISP. CUSTOM SETTING (== 221).

# **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	

#### **DUAL DISPLAY SETTING**

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

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

- 1 In shooting mode, press **DISP/BACK** until standard indicators are displayed.
- 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		FLASH	<b>V</b>
ELECTRONIC LEVEL		CONTINUOUS MODE	<b>✓</b>
FOCUS FRAME	✓	DUAL IS MODE	✓
AF DISTANCE INDICATOR		WHITE BALANCE	✓
MF DISTANCE INDICATOR	✓	FILM SIMULATION	✓
HISTOGRAM		DYNAMIC RANGE	<b>V</b>
SHOOTING MODE	✓	BOOST MODE	<b>V</b>
APERTURE/S-SPEED/ISO	✓	FRAMES REMAINING	<b>V</b>
INFORMATION BACKGROUND	✓	IMAGE SIZE/QUALITY	<b>V</b>
Expo. Comp. (Digit)		MOVIE MODE & REC. TIME	<b>V</b>
Expo. Comp. (Scale)	✓	MIC LEVEL	✓
FOCUS MODE	✓	BATTERY LEVEL	<b>V</b>
PHOTOMETRY	✓	FRAMING OUTLINE	
SHUTTER TYPE	<b>V</b>		

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



# **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
LOCK (OFF)	The focus stick can not be used during shooting.
PUSH @ TO	Press the stick to view the focus-point display and tilt
UNLOCK	the stick to select a focus point.
ON	Tilt the stick to view the focus-point display and select
UN	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 **[2]** (**SET UP**) tab.
- 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 FFFFCT\*
  - DYNAMIC RANGE\*
  - WHITE BALANCE\*
  - HIGHI IGHT TONE\*
  - SHADOW TONE\*
  - COLOR\*
  - SHARPNESS\*
  - NOISE REDUCTION\*
  - SELECT CUSTOM SETTING\*
     NONE
  - AF MODE
  - \* Stored in custom settings bank.

- AF-C CUSTOM SETTINGS
- FACE/EYE DETECTION SETTING
- MF ASSIST
- SFI F-TIMER
- SHUTTER TYPF
- FLASH FUNCTION SETTING
  - FLASH COMPENSATION
  - MOVIE MODE
    - MIC I EVEL ADJUSTMENT
- EVF/LCD BRIGHTNESS
  - FVF/I CD COLOR

- 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**.
- 4 Highlight the desired item and press MENU/OK to assign it to the selected position.
- The quick menu can also be accessed in shooting mode by holding the **Q** button.

#### Fn/AE-L/AF-L BUTTON SETTING

Choose the roles played by the function buttons.

- 1 Select BUTTON/DIAL SETTING > Fn/AE-L/ AF-L BUTTON SETTING in the (SET UP) tab.
- 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.
  - IMAGE SIZE
  - IMAGE QUALITY
  - RAW
  - FILM SIMULATION
  - GRAIN FFFFCT

  - WHITE BALANCE
  - SELECT CUSTOM SETTING PREVIEW PIC FEFECT
  - FOCUS ARFA
  - FOCUS CHECK
  - AF MODE
  - AF-C CUSTOM SETTINGS
  - FACE/EYE DETECTION SETTING
  - DRIVE SETTING
  - SELF-TIMER
  - SHUTTER TYPE
  - ISO AUTO SETTING

- WIRFLESS COMMUNICATION
- FLASH FUNCTION SETTING
- TTI-LOCK
- MODFLING FLASH
- MIC I EVEL AD JUSTMENT
- DYNAMIC RANGE
   PREVIEW DEPTH OF FIELD
  - PREVIEW EXPLOSE IN MANUAL MODE

    - AF LOCK ONLY
    - AFTOCK ONLY
      - AF/AF LOCK
      - AF-ON
        - APERTURE SETTING
        - LOCK SETTING
      - PERFORMANCE
      - PLAYBACK
        - NONF (control disabled)



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

# 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, you can press the control to test-fire the flash (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 (☐ 164).

## SELECTOR BUTTON SETTING

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

Option	Description
Fn BUTTON	The selector buttons serve as function buttons.
FOCUS AREA	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>-</b> F <b>-</b> S.S.	The front command dial controls aperture, the rear command dial shutter speed.		
	command diai shutter speed.		
~ ( ( <del>-</del> E	The front command dial controls shutter speed, the rear command dial aperture.		
— J.J. • I	rear command dial aperture.		

## S.S. OPERATION

Select **OFF** to disable shutter-speed fine-tuning using the command dials.

Options		
ON	OFF	

# 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	
AUTO	Sensitivity is automatically adjusted in response to shooting conditions according to option chosen for SHOOTING SETTING > ISO AUTO SETTING. Choose from AUTO1, AUTO2, and AUTO3.	
( () MAMAANII)	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> <li>ON: Focus locks when the shutter button is pressed halfway.</li> <li>OFF: No focus operation is performed when the shutter button is pressed halfway.</li> </ul>
ΔF-C	<ul> <li>ON: The camera focuses while the shutter button is pressed halfway.</li> <li>OFF: 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		
ΔF-S/MF	<ul> <li>ON: Exposure locks when the shutter button is pressed halfway.</li> <li>OFF: Exposure does not lock when the shutter button is pressed halfway.</li> </ul>		
AE-C	<ul> <li>ON: Exposure locks while the shutter button is pressed halfway.</li> <li>OFF: 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.

<b>Option</b>	Description		
When no memory card is inserted, the shutter of			
ON	released to test camera function and the shooting and		
	setup menus can be displayed.		
The shutter is disabled if no memory card is inse			
OFF	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		
<b>♦ CW</b> (clockwise)		

#### AE/AF-LOCK MODE

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

Options		
AE & AF ON WHEN PRESSING AE & AF ON/OFF SWITCH		

# **APERTURE SETTING**

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

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

# LOCK

Lock selected controls to prevent unintended operation.

Option	Description	
	Choose from the following:	
	UNLOCK: Reset lock options.	
LOCK SETTING	• ALL FUNCTION: Lock all controls in the	
LOCK SETTING	FUNCTION SELECTION list.	
	• SELECTED FUNCTION: Lock only the controls	
	selected in the <b>FUNCTION SELECTION</b> list.	
FUNCTION	Choose the controls locked when <b>SELECTED</b>	
SELECTION	<b>FUNCTION</b> is chosen for <b>LOCK SETTING</b> .	



The selector and the **Q** button can be locked at any time by pressing and holding the **MENU/OK** button (**E** 4).



# **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				

# **PERFORMANCE**

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

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



# SAVE DATA SETTING

Make changes to file management settings.

To access file management settings, press MENU/OK, select the (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.

	<b>Option</b>	Description		
		Numbering continues from the last file number used		
CONTINUOUS	or the first available file number, whichever is higher. Choose this option to reduce the number of pictures			
	Choose this option to reduce the number of pictures			
		with duplicate file names.		
RFNFW		Numbering is reset to 0001 after formatting or when a		
REINEW	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 **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		
ON	OFF	

#### **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
sRGB	DSCF	ABCD0001
Adobe RGB	_DSF	_ABC0001

# CARD SLOT SETTING (STILL IMAGE)

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

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

# SWITCH SLOT (SEQUENTIAL)

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

Options	
SLOT 1	SLOT 2

# **MOVIE FILE DESTINATION**

Choose the slot used to store movies.

Options		
SLOT 1	SLOT 2	

# **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
DISP COPYRIGHT INFO	View the current copyright information.
<b>ENTER AUTHOR'S INFO</b>	Enter the creator's name.
ENTER COPYRIGHT INFO	Enter the name of the copyright holder.
DELETE COPYRIGHT INFO	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.



# WIRELESS SETTINGS

Adjust settings for connection to wireless networks.

Option	Description
	Choose a name (NAME) to identify the camera on the
GENERAL	wireless network (the camera is assigned a unique name
SETTINGS	by default) or select <b>RESET WIRELESS SETTINGS</b> to
	restore default settings.
	Choose <b>ON</b> (the default setting, recommended in
RESIZE	most circumstances) to resize larger images to
<b>IMAGE FOR</b>	for upload to smartphones, <b>OFF</b> to upload images
<b>SMARTPHONE</b>	at their original size. Resizing applies only to the
3M	copy uploaded to the smartphone; the original is
	not affected.
	Choose <b>DELETE REGISTERED DESTINATION</b>
PC AUTO SAVE	PC to remove selected destinations, DETAILS OF
SETTINGS	<b>PREVIOUS CONNECTION</b> to view computers to
	which the camera has recently connected.

Option	Description
	• SIMPLE SETUP: Connect to an access point using
	simple settings.
ACCESS POINT	• MANUAL SETUP: Manually adjust settings for
SETTINGS	connection to a wireless network. Choose the
	network from a list (SELECT FROM NETWORK
	<b>LIST</b> ) or enter the name manually ( <b>ENTER SSID</b> ).
	• AUTO: The IP address is assigned automatically.
IP ADDRESS	• MANUAL: Assign an IP address manually. Manually
	choose the IP address ( <b>IP ADDRESS</b> ), network mask
	(NETMASK), and gateway address (GATEWAY
	ADDRESS).

# **PC AUTO SAVE SETTING**

Choose the method used for connection to computers via a wireless LAN.

Option	Description	
SIMPLE SETUP	Connect using WPS.	
	Choose the network from a list (SELECT FROM	
MANUAL SETUP	<b>NETWORK LIST</b> ) or enter the name manually	
	(ENTER SSID).	



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

#### **GEOTAGGING SET-UP**

View location data downloaded from a smartphone and choose whether to save the data with your pictures.

Option	Description	
	Choose whether location data downloaded from a smartphone are embedded in pictures as they are taken.	
	Display the location data last downloaded from a smartphone.	



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

# 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 SHOOT MODE

Adjust settings for remote photography (tethered shooting).

Option	Description
OFF	Choose this option if you do not intend to use tethered
VFF	shooting.
	Tethered shooting mode is selected automatically when
USB AUTO	the camera is connected to a computer via USB. When no
	computer is connected, the results are the same as <b>OFF</b> .
	The camera functions in tethered shooting mode even
	when not connected to a computer. At default settings,
USB FIXED	pictures are not saved to the memory card, but pictures
	taken while the camera is not connected will be trans-
	ferred to the computer when it is connected.
WIRELESS	Choose this option for wireless remote photography.
FIXED	Select a network using <b>CONNECTION SETTING</b> >
IIALD	WIRELESS SETTINGS.

- Tethered shooting is available with software such as 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®.

# INFORMATION

View the camera's MAC address.

# 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 ( 251): 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" ( 260): Add frequently-used options to this custom menu, which can be viewed by pressing MENU/OK and selecting the MI ("MY MENU") tab.
- The function buttons ( 256): Use the function buttons for direct access to selected features.

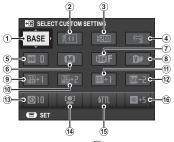


# The Q (Quick Menu) Button

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 254.

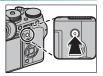
#### SELECT CUSTOM SETTING-

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

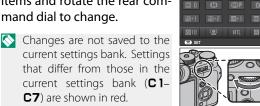
- BASE: No custom settings bank selected.
- C1–C7: Select a bank to view the settings saved using the ☑ IMAGE QUALITY SETTING > EDIT/SAVE CUSTOM SETTING option.
- 🚰 🕰: The current custom settings bank.

# 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.



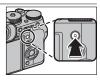
current settings bank. Settings that differ from those in the current settings bank (C1-C7) are shown in red.

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

# **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 OUALITY
  - FILM SIMULATION\*
  - GRAIN EFFECT\*
  - DYNAMIC RANGE\*
  - WHITE BAI ANCE\*
  - HIGHLIGHT TONE\*

  - SHADOW TONE\*
  - COLOR\*
  - SHARPNESS\*
  - NOISE REDUCTION\*
  - SELECT CUSTOM SETTING\*
     NONE
  - AF MODE
  - \* Stored in custom settings bank.

- AF-C CUSTOM SETTINGS
- FACE/EYE DETECTION SETTING
- MF ASSIST
- SFI F-TIMFR
- SHUTTER TYPE
- FLASH FUNCTION SETTING
- FLASH COMPENSATION
- MOVIE MODE
- MIC I EVEL ADJUSTMENT
- EVF/LCD BRIGHTNESS
- FVF/I CD COLOR

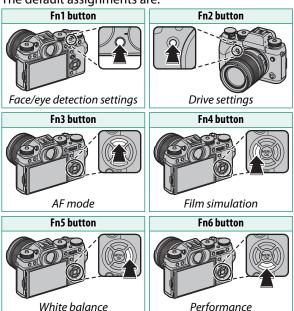
- Select **NONE** to assign no option to the selected position. When **SELECT CUSTOM SETTING** is selected, current settings are shown in the quick menu by the label **BASE**.
- The quick menu can also be edited using **BUTTON/ DIAL SETTING > EDIT/SAVE QUICK MENU**.

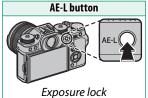


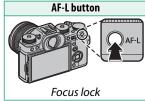
# The Fn (Function) Buttons

Assign roles to AE-L, AF-L, and function buttons for quick access to selected features.

# The default assignments are:









# Assigning Roles to the Function Buttons

To assign roles to the buttons:

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



- Highlight a button and press MENU/OK.
- 3 Highlight the desired role and press MENU/OK to assign it to the selected button. Choose from:
  - IMAGE SIZE
  - IMAGE QUALITY
  - RAW
  - FILM SIMULATION
  - GRAIN FFFFCT
  - DYNAMIC RANGE
  - WHITE BALANCE
  - SELECT CUSTOM SETTING
  - FOCUS ARFA
  - FOCUS CHECK
  - AF MODE
  - AF-C CUSTOM SETTINGS
  - FACE/EYE DETECTION SETTING
     APERTURE SETTING
  - DRIVE SETTING
  - SFI F-TIMFR
  - SHUTTER TYPE
  - ISO AUTO SETTING

- WIRFLESS COMMUNICATION
- FLASH FUNCTION SETTING
- TTI-I OCK
- MODELING FLASH
- MIC I EVEL ADJUSTMENT
- PREVIEW DEPTH OF FIELD
- PREVIEW EXP./WBIN MANUAL MODE
  - PREVIEW PIC FFFECT
    - AF LOCK ONLY
    - AF LOCK ONLY
  - AE/AF LOCK
  - AF-ON

    - LOCK SETTING
    - PERFORMANCE
  - PLAYBACK
    - NONE (control disabled)

**(** 

Button assignments can also be selected using **BUTTON/DIAL SETTING** > **Fn/AE-L/AF-L BUTTON SETTING**. The selector can not be assigned more than one role at a time.

# 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, you can press the control to test-fire the flash (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 (■ 164).

# MY

# **MY MENU**

Access a personalized menu of frequently-used options.

To display "my menu", press MENU/OK in the shooting display and select the MI (MY MENU) tab.





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

#### MY MENU SETTING

To choose the items listed in the **M** (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** Press **MENU/OK** to return to the edit display.



- 4 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.

# МЕМО

# 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 flash sync speed, while others can function as master flash units controlling remote units via optical wireless flash control.



1 You may be unable to test-fire the flash in some circumstances, for example when a setup menu is displayed on the camera.

# Flash Settings

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	
	Available with units connected via the sync	
SYNC	terminal and with third-party and other units	267
TERMINAL	that use only the X-contact on the hot shoe.	207
	Also displayed if no flash unit is connected.	
SUPPLIED	Displayed when the supplied EF-X8 flash unit	269
FLASH	is mounted on the hot shoe and raised.	209
MACHINII	Displayed when an optional flash unit is mounted on the hot shoe and turned on.	271
MASTER (OPTICAL)	Displayed if an optional flash unit functioning as a master flash for FUJIFILM optical wireless re- mote flash control is connected and turned on.	

SYNC TERMINAL will be also displayed if the EF-X8 is attached but not raised.

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.

#### Red-Eve Removal-

Red-eye removal is available when an option other than **OFF** is selected for **TELASH SETTING** > **RED EYE REMOVAL** and **MAF/MF SETTING** > **FACE/EYE DETECTION SETTING** is **ON**. Red-eye removal minimizes "red-eye" caused when light from the flash is reflected from the subject's retinas.

### **SYNC TERMINAL**

The following options are available when a flash unit is connected via the sync terminal.



Setting	Description
1 Flash control mode	Choose from the following options:  • M: A trigger signal is transmitted from the sync terminal and hot shoe 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.  • ①OFF (OFF): The sync terminal and hot shoe do not transmit a trigger signal.
<b>2</b> Sync	Choose whether the flash is timed to fire immediately after the shutter opens (Rong / 1ST CURTAIN) or immediately before it closes (REAR / 2ND CURTAIN). 1ST CURTAIN is recommended in most circumstances.

### The Sync Terminal-

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



### SUPPLIED FLASH

The following options are available with the supplied EF-X8 shoe-mounted flash unit.



Setting	Description
1 Flash control mode	Choose from the following options:  • TTL: TTL mode. Adjust flash compensation (2) and choose a flash mode (3).  • M: The flash fires at the selected output (2) regardless of subject brightness or camera settings. Output is expressed in fractions of full power, from ½ to ½4. 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.  • ME (COMMANDER): Choose if the flash is being used to control remote synced flash units, for example as part of a studio flash system.  • **SOFF** (OFF**): The flash does not fire. Flash units connected via the sync terminal will still fire when the shutter is released, but can be disabled by lowering the EF-X8 and turning the units off in the flash settings menu.
<b>2</b> Flash compensation/output	Adjust flash level. The options available vary with the flash control mode $(1)$ .

Setting	Description			
③ Flash mode (TTL)	Choose a flash mode for TTL flash control. The options available vary with the shooting mode (P, S, A, or M) selected.  • 知 (FLASH AUTO): 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.  • 知 (STANDARD): 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.  • 知 (SLOW SYNC.): 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.			
4 Sync	Choose whether the flash is timed to fire immediately after the shutter opens (#4/2ND CURTAIN) or immediately before it closes (#4/2ND CURTAIN).  1ST CURTAIN is recommended in most circumstances.			

### **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	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.  • TTL: TTL mode. Adjust flash compensation (②).  • M: 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).  • MULTI: Repeating flash. Compatible shoe-mounted flash units will fire multiple times with each shot.  • ③OFF (OFF): The flash does not fire. Some flash units can be turned off from the camera.	

Setting	Description
② Flash compensation/output	The options available vary with flash control mode.  • TTL: 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.  • M/MULTI: Adjust flash output (compatible units only). Choose from values expressed as fractions of full power, from ¼ (mode M) or ¼ (MULTI) down to ⅓12 in increments equivalent to ⅓ 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.

Setting	Description
③ Flash mode (TTL)	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.  • ★★ (FLASH AUTO): The flash fires only as required; flash level is adjusted according to subject brightness. A ② icon displayed when the shutter button is pressed halfway indicates that the flash will fire when the photo is taken.  • ★★★ (STANDARD): 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.  • ★★★ (SLOW SYNC.): 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.
<b>4</b> Sync	Control flash timing.  • #four (1ST CURTAIN): The flash fires immediately after the shutter opens (generally the best choice).  • #£AR (2ND CURTAIN): The flash fires immediately before the shutter closes.  • # (AUTO FP(HSS)): 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 1ST CURTAIN when MULTI is selected for flash control mode.

Setting	Description		
<b>(5)</b> 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.		
<b>6</b> Lighting	If the unit supports this feature, choose from:  ■ (FLASH POWER PRIORITY): Gain range by slightly reducing coverage.  ■ (STANDARD): Match coverage to picture angle.  ■ (EVEN COVERAGE PRIORITY): Slightly increase coverage for more even lighting.		
7 LED light	Choose how the built-in LED light functions during still photography (compatible units only): as a catchlight (		
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		

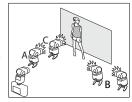
<sup>\*</sup> Full value may not be applied if limits of flash control system are exceeded.

### **MASTER(OPTICAL)**

The options at right 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	
1 Flash control mode (group A)	Choose flash control modes for groups A, B, and C.  TTL% is available for groups A and B only.  TTL: The units in the group fire in TTL mode. Flash compensation can be adjusted separately for each group.  TTL%: If TTL% 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.  M: In mode M, the units in the group fire at the selected output (expressed as a fraction of full power) regardless of subject brightness or cam-	
(2) Flash control mode (group B)		
(3) Flash control mode (group C)	era settings.  • MULTI: Choosing MULTI for any group sets all the units in all groups to repeating flash mode. All units will fire multiple times with each shot.  • ©OFF (OFF): If OFF is selected, the units in the group will not fire.	

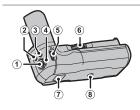
EXTERNAL LIGASITY		
Setting	Description	
<ul> <li>Flash compensation/output (group A)</li> <li>Flash compensation/output (group B)</li> <li>Flash compensation/output (group C)</li> </ul>	Adjust flash level for the selected group according to option selected for flash control mode. Note that the full value may not be applied if the limits of the flash control system are exceeded.  • TTL: Adjust flash compensation.  • M/MULTI: Adjust flash output.  • TTL%: Choose the balance between groups A and B and adjust overall flash compensation.	
(TTL)	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.  • 無 (FLASH AUTO): 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.  • 無 (STANDARD): 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.  • 無 (SLOW SYNC.): 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.	

Setting	Description		
	Control flash timing.		
	• 🚓 (1ST CURTAIN): The flash fires immediately after		
	the shutter opens (generally the best choice).		
	• REAR (2ND CURTAIN): The flash fires immediately be-		
	fore the shutter closes.		
<b>8</b> Sync	• <b>\$ (AUTO FP(HSS))</b> : High-speed sync (compatible		
<i>O</i> ,	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 con-		
	trol mode.		
-	The angle of illumination (flash coverage) for units		
	that support flash zoom. Some units allow the ad-		
<b>(9</b> ) Zoom	justment to be made from the camera. If <b>AUTO</b> is		
<u> </u>	selected, zoom will automatically be adjusted to		
	match coverage to lens focal length.		
	If the unit supports this feature, choose from:		
	• = (FLASH POWER PRIORITY): Gain range by slight-		
(A) Lighting	ly reducing coverage.		
<b>10</b> Lighting	• > (STANDARD): Match coverage to picture angle.		
	• > (EVEN COVERAGE PRIORITY): Slightly increase		
	coverage for more even lighting.		

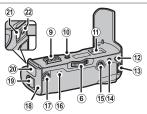
Setting	Description		
① Master	Assign the master flash to group A ( <b>Gr A</b> ), B ( <b>Gr B</b> ), or C ( <b>Gr C</b> ). If <b>OFF</b> is selected, output from the master flash will be held to a level that does not affect the final picture. Available only if the unit is mounted on the camera hot shoe as a master flash for FUJIFILM optical wireless remote flash control in <b>TTL, TTL%</b> , or <b>M</b> mode.		
Number of flashes	Choose the number of times the flash fires ear		
(12) Channel	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.		
12) Frequency	Choose the frequency at which the flash fires in <b>MULTI</b> mode.		

### **Vertical Power Booster Grips**

The optional VPB-XT2 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 Shutter hutton
- (2) **0** (auick menu) button
- (3) Fn (function 1) button
- 4) Control lock
- (5) Front command dial/ role selection button
- (6) Lock screw knob
- (7) Eyelet for camera strap
- (8) Tripod socket Connector
- (10) Lock screw
- (11) Compartment for connector cover supplied with camera



- (12) AE-L button
- (13) Rear command dial/ focus assist button
- (14) AF-L button
- (15) Focus stick (focus lever)
- (16) Indicator lamps
- (17) Performance selector
- (18) Battery tray
- (19) Battery-chamber cover latch
- (20) Connector cover
- (21) 9 V DC-IN connector
- (22) Headphone jack socket
- All controls perform the same function as the matching controls on the camera

### **Using the VPB-XT2**

When fully-charged batteries are inserted in both the camera and the VPB-XT2, 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
Boosted	11 fps†	45 ms †
Normal	8.0 fps	50 ms

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

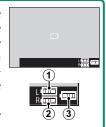
- † Requires at least two batteries with some charge remaining, or if an AC power adapter is connected, a battery with some charge remaining inserted in the camera. Maximum frame rate if these conditions are not met is 8.0 fps.
- Movie recording, long time-exposures, or burst or interval timer photography may end unexpectedly depending on the battery level or temperature.

The grip can be used with NP-W126 or NP-W126S batteries. Turn the camera off before attaching or removing the grip or inserting or removing batteries.



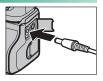
### Battery Level

When the VPB-XT2 is connected, the camera battery level display shows the camera battery level and the level of the batteries inserted in the VPB-XT2. When a full complement of batteries are inserted in the camera and the VPB-XT2, the left battery in the VPB-XT2 will be used until no charge remains, followed by the right battery and finally by the camera battery.



### **Charging the Batteries**

The batteries in the VPB-XT2 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



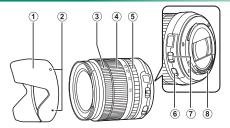
The batteries charge simultaneously; charging takes about two hours. The batteries will not charge while the camera is on, but power will be supplied to the camera. For more information, see pages 32 and 313.

Use only the supplied AC power adapter.

### Lenses

The camera can be used with lenses for the FUJIFILM X-mount.

### **Lens Parts**





- (1) Lens hood
- (2) Mounting marks
- 3 Focus ring
- Zoom ring
- 5 Aperture ring



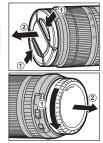
- 6 O.I.S. switch
- (7) Aperture mode switch
- 8 Lens signal contacts
- (9) Front lens cap
- (10) Rear lens cap

### **Removing Lens Caps**

Remove lens caps as shown.

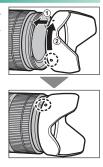


Lens caps may differ from those shown.



### Attaching Lens Hoods

When attached, lens hoods reduce glare and protect the front lens element.



### Lenses with Aperture Rings

At settings other than A, you can adjust aperture by rotating the lens aperture ring (exposure modes A and M).



rotate the front command dial to adjust aperture.



Aperture ring

### The Aperture Mode Switch

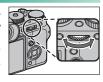
If the lens has an aperture mode switch, Aperture ring aperture can be adjusted manually by sliding the switch to \$ and rotating the aperture ring.



Aperture mode switch

### Lenses with No Aperture Rings

The method used to adjust aperture can be selected using **BUTTON**/ DIAL SETTING > APERTURE SETTING. When an option other than **AUTO** is selected, aperture can be adjusted using the front command dial.





Aperture control defaults to the front command dial, but can be reassigned to the rear command dial using BUTTON/DIAL SETTING > COMMAND DIAL SETTING.

### Lenses with O.I.S. Switches

If the lens supports optical image stabilization (O.I.S.), the image stabilization mode can be chosen in the camera menus. To activate image stabilization, slide the O.I.S. switch to ON.



O.I.S. switch

### Manual Focus Lenses

Slide the focus ring to the front for autofocus.



For manual focus, slide the focus ring to the back and rotate it while checking the results in the camera display. The focus distance and depth-of-field indicators can be used to assist manual focus.



### The Depth-of-Field Indicator-

The depth-of-field indicator shows the approximate depth of field (the distance in front of and behind the focus point that appears to be in focus). The indicator is displayed in film format.



①

Note that manual focus may not be available in all shooting modes.

### Lens Care

Use a blower to remove dust, 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. Replace the front and rear caps when the lens is not in use.

# МЕМО

## Connections

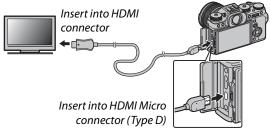
### **HDMI Output**

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.

- 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.
- ① The USB cable can not 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.

①

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 downloads and other information, visit: http://fujifilm-dsc.com/wifi/



### Wireless Connections: Smartphones

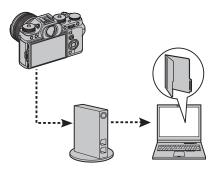
Install the "FUJIFILM Camera Remote" app on your smartphone to browse the images on the camera, download selected images, control the camera remotely, or copy location data to the camera. Once the app is installed, connect using the ■ SHOOTING SETTING > WIRELESS COMMUNICATION or ■ PLAY BACK MENU > WIRELESS COMMUNICATION options in the camera menus.





### Wireless Connections: Computers

Once you have installed the "FUJIFILM PC AutoSave" application and configured your computer as a destination for the images copied from the camera, you can upload pictures from the camera using **PLAY BACK MENU** > **PC AUTO SAVE**.



### **Connecting to Computers via USB**

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

### Tethered Shooting

Take pictures remotely.

### Mac OS X/macOS

Tethered shooting is available to purchasers of Adobe® Photoshop® Lightroom® and the FUJIFILM Tether Shooting PRO or Tether Shooting plug-ins. The FUJIFILM Tether Shooting PRO and Tether Shooting plug-ins are available from the Adobe add-ons website.

### Windows

Tethered shooting is available to purchasers of HS-V5 or of Adobe® Photoshop® Lightroom® and the FUJIFILM Tether Shooting PRO or Tether Shooting plug-ins. The FUJIFILM Tether Shooting PRO and Tether Shooting plug-ins are available from the Adobe add-ons website.

### FUJIFILM X Acquire

Tethered shooting is also available to users of FUJIFILM X Acquire, which can be downloaded free-of-charge from the FUJIFILM website.

### **Copying Pictures to a Computer**

Pictures can be copied to Windows and Mac OS X/macOS computers as described below. For information on using the software described, see online help.

### Windows

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

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



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

### Mac OS X/macOS

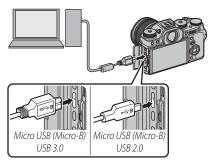
Pictures can be copied to your computer using Image Capture (supplied with your computer) or other software.

### To view RAW files To view RAW files on your computer, use the RAW FILE CONVERTER EX 2.0, available for download from: http://fujifilm-dsc.com/rfc/ fujifilm rfc

### Connecting the Camera

- 1 Find a memory card containing pictures you want to copy to the computer and insert the card into the camera.
  - Loss of power during transfer could result in loss of data or damage to the memory card. Insert a fresh or fully-charged battery before connecting the camera.

2 Turn the camera off and connect a 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.
- 3 Turn the camera on.
- 4 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.
- 5 When transfer is complete, turn the camera off and disconnect the USB cable.

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 out before turning the camera off or disconnecting the USB cable (if the number of images copied is very large, the indicator lamp may remain lit after the message has cleared from the computer display). Failure to observe this precaution could result in loss of data or damage to the memory card.

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.



### instax SHARE Printers

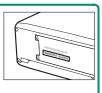
Print pictures from your digital camera to instax SHARE printers.

### **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 can not be printed.

  The area printed is smaller than the area visible in the LCD monitor.
- 4 The picture will be sent to the printer and printing will start.

# Technical Notes

# 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 <a href="http://www.fujifilm.com/products/digital cameras/index.html">http://www.fujifilm.com/products/digital cameras/index.html</a>.

# Rechargeable Li-ion batteries

NP-W126/NP-W1265: Additional high-capacity NP-W126/ 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.



# AC power adapters

**AC-9V** (requires CP-W126 DC coupler): Use this 100–240 V, 50/60 Hz AC power adapter for extended shooting and playback or when copying pictures to a computer.

# DC couplers

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

# Remote releases

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



# Stereo microphones

MIC-ST1: An external microphone for movie recording.



# FUJINON lenses

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



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



# Shoe-mounted flash units

**EF-X500**: 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. Powered by four AA batteries or an optional BF-BP1 battery pack, it supports manual and TTL flash control and auto power zoom in the range 24–105 mm (35 mm format equivalent) and features FUJIFILM optical wireless flash control, allowing it to be used as a master or remote flash unit for remote wireless flash photography. The flash head can be rotated 90° up, 10° down, 135° left, or 180° right for bounce lighting.



**EF-20**: This clip-on flash unit (powered by two AA batteries) has a Guide Number of 20/65 (ISO 100, m/ft.) and supports TTL flash control (manual flash control is not supported). The flash head can be rotated upwards 90° for bounce lighting.



# Shoe-mounted flash units (continued)

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



**EF-X20**: This clip-on flash unit has a Guide Number of 20/65 (ISO 100, m/ft.). Powered by two AAA batteries, this light, compact unit features a dial for adjusting TTL flash compensation or manual flash output.



# Vertical power booster grips

**VPB-XT2**: This grip accommodates extra batteries for improved endurance and makes it easier to hold the camera rotated 90° to frame pictures in "tall" (portrait) orientation.



# Hand grips

**MHG-XT2**: Features an improved grip. Batteries and memory cards can be removed with the grip in place, and the grip is equipped with a rail for quick-shoe camera mounts.

# Leather cases

**BLC-XT2**: This case combines practicality with the luxury of leather and comes with a cloth that can be used to wrap the camera before putting it in the case and on other occasions. Pictures can be taken and batteries inserted or removed with the camera still in its case.

# Grip belts

**GB-001**: Improves grip. Combine with a hand grip for more secure handling.

# 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 1.4×.

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

# 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.

# Cover kits

CVR-XT2: A set of covers for the X-T2.

# instax SHARE printers

**SP-1/SP-2**: Connect via wireless LAN to print pictures on instax film.

# For Your Safety

# IMPORTANT SAFETY INSTRUCTIONS

- Read Instructions: All the safety and operating in- Ventilation: Slots and openings in the cabinet are is operated.
- in the operating instructions should be adhered to. bed, sofa, rug, or other similar surface.
- 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 ap- Attachments: Do not use attachments not recompliance dealer or local power company. For video mended by the video product manufacturer as products intended to operate from battery power, they may cause hazards. 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.

extension cords as this can result in a risk of fire recommended by the manufacturer. or electric shock

structions should be read before the appliance provided for ventilation, to ensure reliable operation of the video product and to protect it from • Retain Instructions: The safety and operating in- overheating, and these openings must not be structions should be retained for future reference. blocked or covered. The openings should never • Heed Warnings: All warnings on the appliance and be blocked by placing the video product on a

> 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.

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.

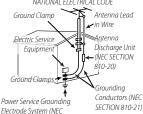
Accessories: Do not place this video product on an unstable cart, stand, tripod, bracket, or table. The video product may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the video product. Any mounting of the appliance should follow the manufacturer's in-Overloading: Do not overload wall outlets and structions, and should use a mounting accessory 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 information with respect to proper grounding of the mast and supporting structure, grounding of lightning and power-line surges. 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 FLECTRICAL CODE



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.

ART 250 PART H)

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.

Cleaning: Unplug this video product from the wall

cable system is connected to the video product, be Lightning: For added protection for this video sure the antenna or cable system is grounded so as product receiver during a lightning storm, or to provide some protection against voltage surges when it is left unattended and unused for long and built-up static charges. Section 810 of the Na- periods of time, unplug it from the wall outlet tional Electrical Code, ANSI/NFPA No. 70, provides and disconnect the antenna or cable system. This will prevent damage to the video product due to

Service

Servicing: Do not attempt to service this video product vourself 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 Power Lines: An outside antenna system should not 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.

part. Unauthorized substitutions may result in fire, electric shock or other hazards.

Replacement Parts: When replacement parts are Safety Check: Upon completion of any service or required, be sure the service technician has used repairs to this video product, ask the service techreplacement parts specified by the manufacturer nician to perform safety checks to determine that or have the same characteristics as the original the video product is in proper operating condition.

The symbols on the product (including the acce-

# 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.



This icon indicates that death WARNING or serious injury can result if the information is ignored.



("Prohibited").

This icon indicates that personal CAUTION 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



Filled circles with an exclamation mark in dicate an action that must be performed ("Required").

sories) represent the following:

**∼** AC

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 emitmpower ting 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.



Never attempt to change or take apart the camera (never open the case). Failure to observe this precaution can cause fire or electric shock.

# **♠** WARNING

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 change, heat or unduly twist or pull the connection cord and do not place heavy objects on the connection cord. These actions could damage the cord and cause a fire or electric shock. If the cord is damaged.contact your FUJIFILM dealer.

Do not place the camera on an unstable surface. This can cause the camera to fall or tip over and cause injury.

Never attempt to take pictures while in motion.

Do not use the camera while walking or driving. This can result in you falling down or being involved in a traffic accident.

**Do not touch any metal parts of the camera during a thunderstorm.**This can cause an electric shock due to induced current from the lightning discharge.

Do not use the battery except as specified.
Load the battery as shown by the indicator.
Do not dissessemble, 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 anon-rechargeable Li-ion or alkaline batteries. Do not short batteries or store them with metallic objects. Failure to observe these precautions could result in the batteries overheating, igniting, rupturing, or leaking, causing fire, burns, or other injury, leaking, causing fire, burns, or other injury.

# WARNING

Use only batteries or AC power adapters specified for use with this camera. Do not use voltages other than the power supply voltage shown. The use of other power sources can cause a fire

If the battery leaks and fluid gets in contact with your eyes, skin or dothing, flush the affected area with clean water and seek medical attention or call an emergency number right away.

Do not use the charger to charge batteries other than those specified here. 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. Using a flash too close to a person's ever may

<u>cause visual impairment.</u> Take particular care when photographing infants and young children.

Do not remain in prolonged contact with hot surfaces. 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.

Do not leave one part of the body in contact with the product for prolonged periods white the product is on. 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.

Do not use in the presence of flammable objects, explosive gases, or dust.

# ∕N WARNING

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. Contact with other metallic objects or batteries could cause the battery to ionite or busy.

Keep memory cards, hot shoes, and other small parts out of the reach of small children. Children may swallow small parts; keep out of reach of children. Should a child swallow a small part, seek medical attended to the control of t

Keep out of reach of small children. 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.

tion or call emergency.

Follow the directions of airline and hospital

personnel. This product generates radio-frequency emissions that could interfere with navigational or medical equipment.

# **⚠** CAUTION

Do not use this camera in locations affected by oil fumes, steam, humidity or dust. This can cause a fire or electric shock

Do not leave this camera in places subject to extremely high temperatures. Do not leave the camera in locations such as a sealed vehicle or in direct sunlight. This can cause a fire.

**Do not place heavy objects on the camera.**This can cause the heavy object to tip over or fall and cause injury.

Do not move the camera while the AC power adapter is still connected. 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.

# A CAUTION

Do not cover or wrap the camera or the AC power adapter in a doth or blanket. This can cause heat to build up and distort the casing or cause a fire.

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. Failure to do so can cause a fire or electric shock.

When charging ends, unplug the charger from the power socket. Leaving the charger plugged into the power socket can cause a fire.

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. In jury could result to those struck by the ejected card. Request regular internal testing and cleaning for your camera. Build-up of dust in your camera can cause a fire or electric shock. Contact your FUIJFILM dealer to request internal cleaning every two years. Please

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

note that this service is not free of charge.

# The Battery and Power Supply

and read the appropriate sections.

The following describes the proper use of batter- 

Battery Life ies and how to prolong their life. Incorrect use can At normal temperatures, the battery can be reshorten battery life or cause leakage, overheating, charged about 300 times. A noticeable decrease 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.

Note: Check the type of battery used in your camera The battery may be warm to the touch immediately after charging or use. This is normal.

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.

# ■ 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 Handling sources, such as the sun in a cloudless sky. Fail- To ensure that images are recorded correctly, the camera image sensor.
- · Strong sunlight focused through the viewfinder may damage the panel of electronic viewfinder (EVE). 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 can not 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.

ure to observe this precaution could damage 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 tion equipment. Consult with hospital or airline Card and are trademarks of FUJIFILM staff before using the camera in a hospital or on Corporation. The typefaces included herein an aircraft. 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 are trademarks of SD-3C, LLC. The HDMI logo is a trademark. 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 avia-

# Color Television Systems

NTSC (National Television System Committee) is a color television telecasting 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 the Wi-Fi Alliance. The SDHC and SDXC logos format in which information stored with photographs is used for optimal color 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



C · 7736B-02000002 Contains FCC ID: W27-02000002

FCC Statement: This device complies with Part 15 of the ECC 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. FCC Rules, this product must be used with a Fu-However, there is no quarantee that interference jifilm-specified ferrite-core A/V cable, USB cable, will not occur in a particular installation. If this and DC supply cord. 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



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-lo- This symbol on the batteries or accucated or operating in conjunction with any other mulators indicates that those batterantenna or transmitter, except tested built-in radiies shall not be treated as household os. The County Code Selection feature is disabled waste. for products marketed in the US/ Canada.

entific 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-T2 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.



If your equipment contains easy removable Radiation Exposure Statement: The available sci- 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.



# Be sure to read these notes before use

# 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.



This icon indicates that death WARNING or serious injury can result if the information is ignored.



This icon indicates that personal CAUTION 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

# ♠ WARNING

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.

# European Union Regulatory Notice

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 FF160001 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\_t2/pdf/index/fujifilm\_x\_t2\_cod.pdf

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

# $\epsilon$

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 as part of a wireless network. 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 wireless networks, 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 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.
- Wireless data (images) may be intercepted by third parties. The security of data transmitted over wireless networks is not quaranteed.
- 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 and OFDM modulation.

# Wireless Network Devices: Cautions

- 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 appolications.
- 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.



This sticker indicates that this device operates in the 2.4 GHz band using DSSS and OFDM modulation and may cause interference at distances of up to 40 m.



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.

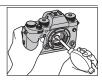
Image sensor: Multiple photographs marred by spots or blotches in identical locations may indicate the presence of dust on the image sensor. Clean the sensor using 

■ USER SETTING > SENSOR CLEANING.

# **Cleaning the Image Sensor**

Dust that can not be removed using **ZUSER 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



# **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.
- If a lens is attached to the camera, you can also check the lens firmware version.

# **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
	• The battery is exhausted: Charge the battery or insert
	a fully-charged spare battery ( 30).
The camera does	• The battery is inserted incorrectly: Reinsert in the
not turn on.	correct orientation ( 34).
	• The battery-chamber cover is not latched: Latch the
	battery-chamber cover ( 34).
The monitor	The monitor may not turn on if the camera is turned
does not turn	off and then on again very quickly. Press the shutter
on.	button halfway to activate the monitor.
	• The battery is cold: Warm the battery by placing it
	in a pocket or other warm place and reinsert it in
	the camera immediately before taking a picture.
	• There is dirt on the battery terminals: Clean the ter-
The battery runs	minals with a soft, dry cloth.
down quickly.	• ON is selected for M AF/MF SETTING > PRE-AF:
	Turn PRE-AF off ( 141).
	• The battery has been charged many times: The bat-
	tery has reached the end of its charging life. Pur-
	chase a new battery.

Problem	Solution		
The camera turns	<b>The battery is exhausted</b> : Charge the battery or insert a		
off suddenly.	fully-charged spare battery (🗐 30).		
Chausius dasa	Reinsert the battery in the correct orientation		
Charging does not start.	and make sure that the charger is plugged in		
not start.	( 30, 34).		
Charging is slow.	Charge the battery at room temperature.		
	• There is dirt on the battery terminals: Clean the ter-		
The charging	minals with a soft, dry cloth (🗐 34).		
lamp blinks, but	• The battery has been charged many times: The battery		
the battery does	has reached the end of its charging life. Purchase		
not charge.	a new battery. If the battery still fails to charge,		
	contact your FUJIFILM dealer (📺 304).		

# Menus and Displays

Problem	Solution					
Display is not in	Select	ENGLISH	for	USER	SETTING	>
English.	言語儿	ANG. (📺 46	5, 206	ó).		

# Shooting

Problem	Solution
	<ul> <li>The memory card is full: Insert a new memory card</li> </ul>
No picture is	or delete pictures (📺 37, 182).
taken when the	• The memory card is not formatted: Format the mem-
shutter button is	ory card ( 203).
pressed.	<ul> <li>There is dirt on the memory card contacts: Clean the</li> </ul>
	contacts with a soft, dry cloth.

Problem	Solution
No picture is taken when the shutter button is pressed (continued).	<ul> <li>The memory card is damaged: Insert a new memory card (□□ 37).</li> <li>The battery is exhausted: Charge the battery or insert a fully-charged spare battery (□□ 30).</li> <li>The camera has turned off automatically: Turn the camera on (□□ 42).</li> <li>You are using a third-party mount adapter: Select ON for SHOOT WITHOUT LENS (□□ 233).</li> </ul>
Mottling ("noise") appears in the monitor or view- finder when the shutter button is pressed halfway.	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.
The camera does not focus.	The subject is not suited to autofocus: Use focus lock or manual focus ( ) 33).
No face is detected.	<ul> <li>The subject's face is obscured by sunglasses, a hat, long hair, or other objects: Remove the obstructions (====================================</li></ul>

Problem	Solution		
No face is detected (continued).	The camera is tilted: Keep the camera level. The subject's face is poorly lit: Shoot in bright light.		
Wrong subject is selected.	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 () 93).		
The flash does not fire.	The battery is exhausted: Charge the battery or insert a fully-charged spare battery ( ) 30).		
The flash does not fully light the subject.	<ul> <li>The subject is not in range of the flash: Position the subject in range of the flash.</li> <li>The flash window is obstructed: Hold the camera correctly.</li> <li>Shutter speed is faster than ½50 s: Choose a slower shutter speed (== 64, 72).</li> </ul>		
Pictures are blurred.	<ul> <li>The lens is dirty: Clean the lens (☐☐ 289).</li> <li>The lens is blocked: Keep objects away from the lens (☐☐ 49).</li> <li>! AF is displayed during shooting and the focus frame is displayed in red: Check focus before shooting (☐☐ 50).</li> </ul>		
Pictures are mottled.	<ul> <li>Shutter speed is slow and the ambient temperature is high: This is normal and does not indicate a mal- function.</li> </ul>		

Problem	Solution
	• Pixel mapping is required: Perform pixel mapping
	using IMAGE QUALITY SETTING > PIXEL
Pictures are	<b>MAPPING</b> ( <b>130</b> ).
mottled	• The camera has been used continuously at high tem-
(continued).	peratures or a temperature warning is displayed:
	Turn the camera off and wait for it to cool down
	(== 42).

# Playback

Problem	Solution
Pictures are	The pictures were taken with a different make or
grainy.	model of camera.
Playback zoom is	The pictures were created using RESIZE or with a
unavailable.	different make or model of camera.
	• Playback volume is too low: Adjust playback volume
	( <b>213</b> ).
No sound in	• The microphone was obstructed: Hold the camera
movie playback.	correctly during recording.
	• The speaker is obstructed: Hold the camera correctly
	during playback.
Selected pictures	Some of the pictures selected for deletion are pro-
are not deleted.	tected. Remove protection using the device with
are not deleted.	which it was originally applied (🗐 187).
File numbering	The battery-chamber cover was opened while the
is unexpectedly	camera was on. Turn the camera off before opening
reset.	the battery-chamber cover ( 239).

# Connections

Problem	Solution		
The monitor is blank.	The camera is connected to a TV: Pictures will be dis- played on the TV instead of in the camera monitor		
	(== 292).		
	<ul> <li>The camera is not properly connected: Connect the</li> </ul>		
	camera properly (🗐 292).		
No picture or	<ul><li>Input on the television is set to "TV": Set input to "HDMI</li></ul>		
sound on TV.	( <b>1</b> 292).		
	<ul> <li>The volume on the TV is too low: Use the controls or</li> </ul>		
	the television to adjust the volume (🗐 292).		
Both the TV and	The display mode selected with the VIEW MODE button		
	is EVF ONLY + senson: Put your eye to the viewfind-		
camera monitor	er or use the <b>VIEW MODE</b> button to choose another		
are blank.	display mode.		
The computer	Be sure the camera and computer are correctly con-		
does not recog-	nected ( 296).		
nize the camera.	Freetea ( 270).		
Can not transfer	Use MyFinePix Studio to transfer pictures (Windows		
RAW or JPEG files	only; == 296).		
to computer.	Offiy, [		
	•		

# Wireless Transfer

For additional information on troubleshooting wireless connections, visit: http://digital-cameras.support.fujifilm.com/app?pid=x

Problem	Solution
Problem	• The smartphone is too far away: Move the devices
connecting	closer ( 294).
or uploading	• Nearby devices are causing radio interference: Move
pictures to	the camera and smartphone away from micro-
smartphone.	wave ovens or cordless phones ( 294).
	• The smartphone is connected to another device: The
	smartphone and camera can connect to only one
	device at a time. End the connection and try again
	(== 294).
Can not upload	• There are several smartphones in the vicinity: Try con-
images.	necting again. The presence of multiple smart-
•	phones can make connection difficult ( 294).
	• The current image is a movie or was created on
	another device and can not be uploaded to a
	smartphone ( 294).
	Select ON for CONNECTION SETTING >
	WIRELESS SETTING > RESIZE IMAGE FOR
Smartphone	
will not display pictures.	<b>SMARTPHONE 31</b> . Selecting <b>OFF</b> increases
	upload times for larger images; in addition, some
	phones may not display images over a certain size
	(=== 244).

# Miscellaneous

Problem	Solution
	<ul> <li>Temporary camera malfunction: Remove and rein-</li> </ul>
	sert the battery ( 34).
The camera is	• The battery is exhausted: Charge the battery or insert
unresponsive.	a fully-charged spare battery (🗐 30).
	<ul> <li>The camera is connected to a wireless LAN: End the</li> </ul>
	connection.
The camera does	Pomovo and raincart the battary ( 21) If the
not function as	Remove and reinsert the battery ( 34). If the
expected.	problem persists, contact your FUJIFILM dealer.
No sound.	Adjust the volume (📃 210).

# **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 can not 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.			
FOCUS ERROR LENS CONTROL ERROR TURN OFF THE CAMERA AND TURN ON AGAIN	Camera malfunction. Turn the camera off and then on again. If the message persists, contact a FUJIFILM dealer.			
NO CARD	The shutter can only be released when a memory card is inserted. Insert a memory card.			
CARD NOT INITIALIZED	<ul> <li>The memory card is not formatted or the memory card has been formatted in a computer or other device: Format the memory card using USER SETTING &gt; FORMAT.</li> </ul>			

Warning	Description
	<ul> <li>The memory card contacts require cleaning: Clean the</li> </ul>
CARD NOT	contacts with a soft, dry cloth. If the message is
INITIALIZED	repeated, format the card. If the message persists,
(continued)	replace the card.
	Camera malfunction: Contact a FUJIFILM dealer.
	Turn the camera off, remove the lens, and clean the
LENS ERROR	mounting surfaces, then replace the lens and turn
LENS EKKUK	the camera on. If the problem persists, contact a
	FUJIFILM dealer.
	<ul> <li>The memory card is not formatted for use in the cam-</li> </ul>
	era: Format the card.
	<ul> <li>The memory card contacts require cleaning or the memo-</li> </ul>
CARD ERROR	ry card is damaged: Clean the contacts with a soft, dry
CAKD EKKUK	cloth. If the message is repeated, format the card.
	If the message persists, replace the card.
	<ul> <li>Incompatible memory card: Use a compatible card.</li> </ul>
	<ul> <li>Camera malfunction: Contact a FUJIFILM dealer.</li> </ul>
PROTECTED CARD	The memory card is locked. Unlock the card.
DUCY	The memory card is incorrectly formatted. Use the
BUSY	camera to format the card.
	The memory card is full and pictures can not be
<b>SD MEMORY FULL</b>	recorded. Delete pictures or insert a memory card
	with more free space.
	<ul> <li>Memory card error or connection error: Reinsert the</li> </ul>
WRITE ERROR	card or turn the camera off and then on again. If
	the message persists, contact a FUJIFILM dealer.

Warning	Description
	<ul> <li>Not enough memory remaining to record additional</li> </ul>
WRITE ERROR	pictures: Delete pictures or insert a memory card
	with more free space.
(continued)	<ul> <li>The memory card is not formatted: Format the mem-</li> </ul>
	ory card.
	The camera has run out of frame numbers (current
	frame number is 999-9999). Format the memory card
FRAME NO. FULL	and select <b>RENEW</b> for <b>SAVE DATA SET-UP</b> >
FRAME NO. FULL	FRAME NO Take a picture to reset frame num-
	bering to 100-0001, then select CONTINUOUS for
	FRAME NO.
	<ul> <li>The file is corrupt or was not created with the camera:</li> </ul>
	The file can not be viewed.
	• The memory card contacts require cleaning: Clean the
READ ERROR	contacts with a soft, dry cloth. If the message is
	repeated, format the card. If the message persists,
	replace the card.
	<ul> <li>Camera malfunction: Contact a FUJIFILM dealer.</li> </ul>
PROTECTED	An attempt was made to delete or rotate to a pro-
FRAME	tected picture. Remove protection and try again.
CAN NOT CROP	The picture is damaged or was not created with the
CAN NOT CRUP	camera.
	Print orders can contain no more than 999 pictures.
DPOF FILE ERROR	Copy any additional pictures you wish to print to an-
	other memory card and create a second print order.
CAN NOT ROTATE	The selected picture can not be rotated.

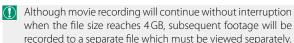
Warning	Description			
CAN NOT ROTATE	Movies can not be rotated.			
CAN NOT SET DPOF	The picture can not be printed using DPOF.			
CAN NOT SET DPOF	Movies can not be printed using DPOF.			
CANNOT EXECUTE	Red-eye removal can not be applied to movies.			
常 CANNOT Red-eye removal can not be applied to pictu ated with other devices.				
MISMATCH: 4K MODE AND EXTERNAL MONITOR CHANGE MOVIE MODE	The movie mode selected with the camera is not compatible with the device to which the camera is connected via HDMI. Try selecting a different movie mode.			
! <b>!</b> (yellow)	Turn the camera off and wait for it to cool. Mottling may increase in pictures taken when this warning is displayed.			
! <b>∦</b> (red)	Turn the camera off and wait for it to cool. While this warning is displayed, movies can not be recorded, mottling 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	
	<b>*</b>	FINE	NORMAL	FINE	NORMAL
ᄝ	3:2	540	800	1110	1660
Photos	RAW (UNCOMPRESSED)		150	:	320
Ñ	RAW (LOSSLESS COMPRESSED)	1	310	(	540
3	2160/29.97P, 25P, 24P, 23.98P <sup>2</sup>	9 m	ninutes	20 n	ninutes
Movies	1080/59.94P, 50P, 29.97P, 25P, 24P, 23.98P <sup>3</sup>	9 m	ninutes	20 n	ninutes
δ.	<b>TD</b> 720/59.94P, 50P, 29.97P, 25P, 24P, 23.98P <sup>4</sup>	19 n	ninutes	39 n	ninutes

- 1 Use a UHS speed class 3 card or better.
- 2 Individual movies can not exceed 10 minutes in length, or 30 minutes if filmed using a power booster grip.
- 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 30 minutes in length.



# **Specifications**

<del>.</del>			
System			
Model	FUJIFILM X-T2		
Product Number	FF160001		
Effective pixels	Approx. 24.3 million		
lmage 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		
File system	Compliant with Design Rule for Camera File		
	System (DCF), Exif 2.3, and Digital Print Order		
	Format (DPOF)		
File format	<ul> <li>Still pictures: 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>Movies: H.264 standard with stereo sound (MOV)</li> </ul>		
lmage size	■ 3:2 (6000×4000) ■ 16:9 (6000×3376) ■ 1:1 (4000×4000) ■ 3:2 (4240×2832) ■ 16:9 (4240×2384) ■ 1:1 (2832×2832) ■ 3:2 (3008×2000) ■ 16:9 (3008×1688) ■ 1:1 (2000×2000) ■ RAW (6000×4000)		
	■ panorama: vertical (2160 × 9600)/horizontal (9600 × 1440)		
	M panorama: vertical (2160×6400)/horizontal (6400×1440)		
Lens mount	FUJIFILM X mount		

System	
Sensitivity	• Still pictures: Standard output sensitivity equiv-
	alent to ISO 200-12800 in increments of 1/3 EV;
	AUTO; extended output sensitivity equivalent
	to ISO 100, 125, 160, 25600, or 51200
	• Movies: Standard output sensitivity equivalent
	to ISO 200-12800 in increments of 1/3 EV
Metering	256-segment through-the-lens (TTL) metering;
	MULTI, SPOT, AVERAGE, CENTER WEIGHTED
Exposure control	Programmed AE (with program shift); shutter-pri-
	ority AE; aperture-priority AE; manual exposure
<b>Exposure compensation</b>	• Still pictures: -5 EV-+5 EV in increments of

1/3 EV

• Movies: −2 EV−+2 EV in increments of 1/3 EV

S	hutter speed	Mode P	Other modes	Time	Bulb
	Mechanical shutter	4 s to 1/8000 s	15 min. to 1/8000 S	15 min. to 1/8000 s	Max. 60 min.
	Electronic shutter	30 s to 1/32000 s ( <b>P</b> , <b>S</b> , <b>A</b> , <b>M</b> )			Fixed at 1 s
	Mechanical+ electronic	4 s to 1⁄32000 S	15 min. to 1/32000 S	15 min. to ⅓₂‱ s	Max. 60 min.

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P	System				
Continuous		ous	Frame rate	Frames per burst	
	14 fps		14	Up to approximately 42	
CL	11 fps	11	Up to approximately 51		
		8.0 fps	8.0	Up to approximately 53	
		5.0 fps	5.0	Up to approximately 56	
	CL	4.0 fps	4.0	Up to approximately 58	
		3.0 fps	3.0	Up to approximately 62	

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

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.

# Focus

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

Cuctom	
System	
White balance	Custom 1, Custom 2, Custom 3, color tempera-
	ture selection, auto, direct sunlight, shade, day-
	light fluorescent, warm white fluorescent, cool
	white fluorescent, incandescent, underwater
Self-timer	Off, 2 sec., 10 sec.
Flash mode	<ul> <li>MODE: TTL MODE (FLASH AUTO, STANDARD,</li> </ul>
	SLOW SYNC.), MANUAL, COMMANDER, OFF
	• SYNC. MODE: 1ST CURTAIN, 2ND CURTAIN
	• RED EYE REMOVAL: Ф\$\ FLASH+REMOVAL,
	<b>Ф</b> \$ FLASH, <b>Ф</b> № REMOVAL, OFF
Hot shoe	Accessory shoe with TTL contacts
Sync contact	X contact; supports sync speeds as fast as 1/250 s
Sync terminal	Provided
Viewfinder	0.5-in., 2360k-dot color OLED viewfinder with
	diopter adjustment (-4 to +2 m <sup>-1</sup> ); magni-
	fication 0.77× with 50 mm lens (35 mm for-
	mat equivalent) at infinity and diopter set to
	-1.0 m <sup>-1</sup> ; diagonal angle of view approximate-
	ly 38.0° (horizontal angle of view approximately
	31.0°); eye point approx. 23 mm
LCD monitor	3.0-in/7.6 cm, 1040k-dot color LCD monitor
	with 3-way tilt
	man s may and

System			
Movies (with stereo	2160/29.97P	1080/59.94P	720/59.94P
sound)	2160/25P	1080/50P	TD 720/50P
	213 2160/24P	1080/29.97P	720/29.97P
	2160/23.98P	1080/25P	TD 720/25P
		1080/24P	TD 720/24P
		1080/23.98P	720/23.98P

Input/output terminals				
Microphone connector	Microphone connector ø3.5 mm mini-stereo jack			
Digital input/output	Digital input/output USB3.0/USB2.0 High-Speed			
	Micro USB connector (Micro-B)			
HDMI output HDMI Micro connector (Type D)				
Remote release	ø2.5 mm			
connector				

Power supply	NP-W126S rechargeable battery (supplie				
***	camera)				
Battery life	Battery type: NP-W126S				
,		Number of frames:			
	PERFORMANCE	LCD	EVF		
	BOOST	Approx. 260	Approx. 200		
	NORMAL	Approx. 340	Approx. 330		
	Approximate n	umber of frame	s that can be		
	taken with an $\lambda$	KF 35 mm f/1.4	R lens and a		
	fully-charged b	attery in mode	<b>P</b> . CIPA stan-		
	dard, measured using battery supplied wi				
	camera and SD	memory card.			
Note: Number of shots that can be taken					
	battery varies with battery charge level and				
will decline at low temperatures.					
Camera size	132.5 mm × 91.8 mm × 49.2 mm (35.4 mm				
(W $\times$ H $\times$ D) excluding projections, measured at thinnest part)/ 5.2 in. $\times$ 3.6 in. $\times$ 1.9 in. (1.4 in.)			est part)/		
Camera weight	Approx. 457 g/16.1 oz., excluding battery, accessories, and memory card Approx. 507 g/17.9 oz., including battery and				
Shooting weight					
	memory card				
Operating condition	s • Temperature: —1	10 °C to +40 °C/	/		
+14 °F to +104 °F					
		•			

Wireless transmitte	r		
Standards	IEEE 802.11b/g/n	(standard wireless protoco	l)
Operating frequency	• U. S. A., Canada, Ta	aiwan: 2,412 MHz–2,462 M	Hz
	(11 channels)		
	• Other countries:	2,412 MHz-2,472 MHz (	(13
	channels)		
Access protocols	Infrastructure		

EF-X8 shoe-mounted flash unit		
Guide number	GN8 (ISO100), GN11 (ISO200)	
Dimensions	39.7 mm $\times$ 24.2 mm $\times$ 63.4 mm/	
$(W \times H \times D)$	1.6 in. $\times$ 1.0 in. $\times$ 2.5 in.	
Weight	Approx. 41 g/1.4 oz.	

NP-W126S rechargeable battery		
Nominal voltage	7.2 V	
Nominal capacity	1260 mAh	
Operating	0 °C to +40 °C/	
temperature	+32 °F to +104 °F	
Dimensions	36.4 mm × 47.1 mm × 15.7 mm/	
$(W \times H \times D)$	1.4 in. $\times$ 1.9 in. $\times$ 0.6 in.	
Weight	Approx. 47 g/1.7 oz.	

BC-W126 battery charger		
Rated input	100 V – 240 V AC, 50/60 Hz	
Input capacity	13 –21 VA	
Rated output	8.4V DC, 0.6 A	
Supported batteries	NP-W126S rechargeable batteries	
Charging time	Approx. 150 minutes (+20 °C/+68 °F)	
Operating	5°C to +40°C/	
temperature	+41 °F to +104 °F	
Dimensions	65 mm × 91.5 mm × 28 mm/	
$(W \times H \times D)$	$2.6 \text{ in.} \times 3.6 \text{ in.} \times 1.1 \text{ in., excluding projections}$	
Weight	Approx. 77 g/2.7 oz., excluding battery	

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



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.

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