FUJIFILM

DIGITAL

Introduction

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

For the Latest Information

The latest versions of the manuals are available from:

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

The site can be accessed not only from your computer but also from smartphones and tablets. It also contains information on the software license.

Menu List

Camera menu options are listed below.

Shooting Menus

Adjust settings when shooting photos or movies.

N See page 87 for details.

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The Playback Menu

Adjust playback settings.

N See page 135 for details.

Setup Menus

Adjust basic camera settings.

N See page 155 for details.

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Supplied Accessories

The following are included with the camera:

- NP-T125 rechargeable battery
- BC-T125 battery charger
- Plug adapter
- Body cap
- Metal strap clips (× 2)
- Clip attaching tool
- Protective covers (× 2)
- Shoulder strap
- Cable protector
- Hot shoe cover (comes attached to hot shoe)
- Sync terminal cap (comes attached to camera)
- *Owner's Manual* (this manual)

N
- The plug adapter supplied with the camera varies with the country or region of purchase; be sure to use the adapter appropriate to your country or region as described in the enclosed notice.
- For information on compatible computer software, see "Software from Fuji□lm" (P 234).

About This Manual

This manual contains instructions for your FUJIFILM GFX 50R digital camera. Be sure you have read and understood its contents before proceeding.

Symbols and Conventions

The following symbols are used in this manual:

O Information that should be read to prevent damage to the product.

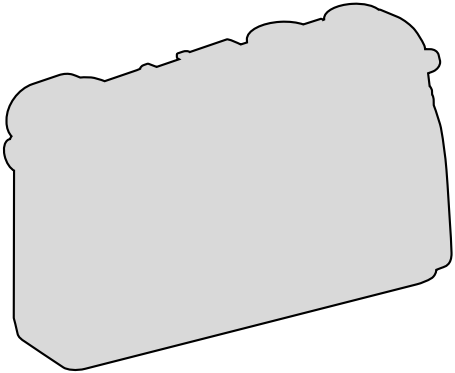
N Additional information that may be helpful when using the product.

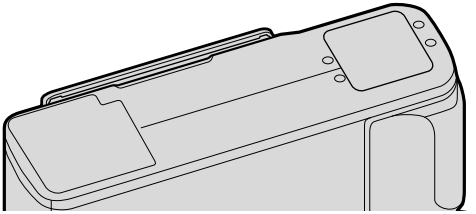
P Pages on which related information may be found.

Menus and other text in the displays are shown in **bold**. Illustrations

1 Before You Begin

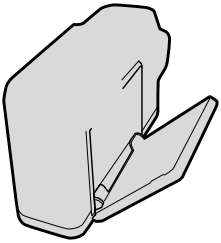
Parts of the Camera





The Serial Number Plate

Do not remove the serial number plate, which provides the FCC ID, KC mark, serial number, and other important information.

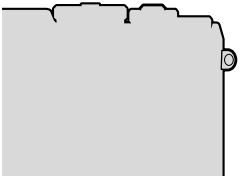


The Drive Button

Pressing the drive button displays the following drive mode options.

The Indicator Lamp

Camera status is shown by the indicator lamp.



The LCD Monitor

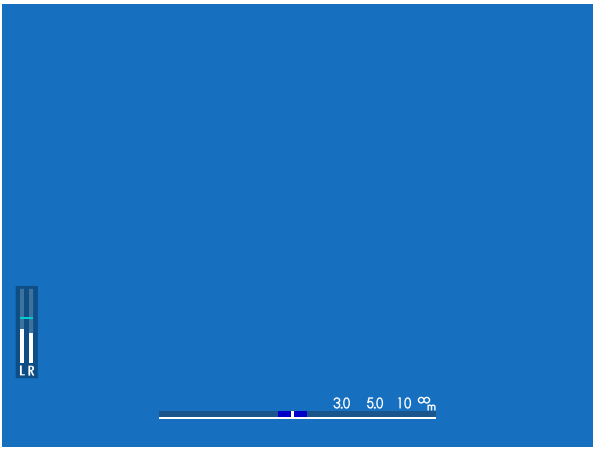
The LCD monitor can be tilted for easier viewing, but be careful not to touch the wires or trap fingers or other objects behind the monitor. Touching the wires

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



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o *Self-timer indicator* 111
p *Microphone* 128
q *Remote release* 128
r *Flash (TTL) mode* 210
s

Choosing a Display Mode

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

Option	Description
EYE SENSOR	Putting your eye to the viewfinder turns the viewfinder on and the LCD monitor o□; taking your eye away turns the viewfinder o□ and LCD monitor on.
EVF ONLY	Viewfinder on, LCD monitor o□.
LCD ONLY	LCD monitor on, viewfinder o□.
EVF ONLY +	Putting your eye to the viewfinder turns the viewfinder on; taking it away turns the viewfinder o□

Adjusting Display Brightness

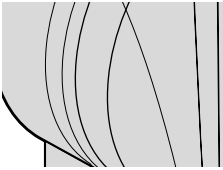
The brightness and hue of the viewfinder and LCD monitor can be adjusted using the items in the D **SCREEN SET-UP** menu. Choose **EVF BRIGHTNESS** or **EVF COLOR** to adjust viewfinder brightness or hue, **LCD BRIGHTNESS** or **LCD COLOR** to do the same for the LCD monitor.

Focusing the Viewfinder

If the indicators displayed in the viewfinder are blurred, put your eye to the viewfinder and rotate the diopter adjustment control until the display is in sharp focus.

To focus the viewfinder:

A Lift the diopter adjustment control.
B Rotate the control to adjust viewfinder focus.
C Return the control to its original position and lock it in place.



The DISP/BACK Button

The **DISP/BACK** button controls the display of indicators in the view□nder and LCD monitor.

3 42 9Tw 09 -659 380.656 reQ BT 1 1 1

Customizing the Standard Display

To choose the items shown in the standard indicator display:

Using the Menus

To display the menus, press **MENU/OK**.

Shooting	Playback

LCD Monitor

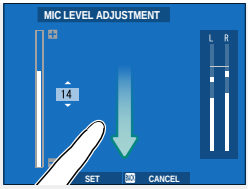
Touch controls can be used to choose the focus area. The operation performed can be selected by tapping the touch screen mode indicator in the display to cycle through the following options.

Touch Function

Functions can be assigned to the following flick gestures in much the same way as function buttons (P 196):

- Flick up: **T-Fn1**
- Flick left: **T-Fn2**
- Flick right: **T-Fn3**
- Flick down: **T-Fn4**

N In some cases, touch-function flick gestures display a menu; tap to select the desired option.



Playback Touch Controls

When **ON** is selected for D **BUTTON/DIAL SETTING** > **TOUCH SCREEN SETTING** > **TOUCH SCREEN ON/OFF**, touch controls can be used for the following playback operations:

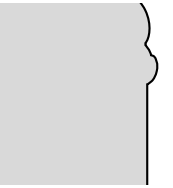
- **Swipe**: Swipe a finger across the display to view other images.

2 First Steps

Attaching the Strap

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

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



4 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.

Attaching a Lens

The camera can be used with lenses for the FUJIFILM G-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 (A), and then rotate the lens until it clicks into place (B).

2

O [redacted] he rear cap

Charging the Battery

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

The Charging Indicator

The charging indicator shows battery charge status as follows:

Charging via AC Adapter

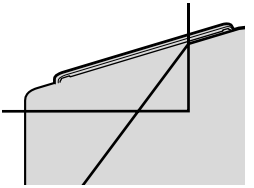
The battery inserted in the camera will also charge when the camera is powered by an optional AC-15V AC adapter. Charging takes about 120 minutes.

Inserting the Battery

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

1 Open the battery-chamber cover.

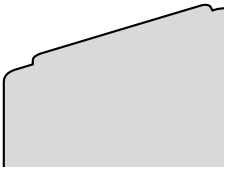
Slide the battery-chamber latch as shown and open the battery-chamber cover.



- Do not open the battery-chamber cover when the camera is on. Failure to observe this precaution could damage image □les or memory cards.
- Do not use excessive force when handling the battery-chamber cover.

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.



Inserting Memory Cards

Pictures are stored on memory cards (sold separately).

N The camera can be used with two cards, one in each of its two slots.

1 Open the memory card slot cover.
Unlatch and open the cover.

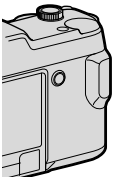
Removing Memory Cards

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

Turning the Camera On and O□

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

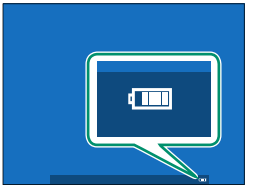
Slide the switch to ON to turn the camera on, or to OFF to turn the camera o□.



Checking the Battery Level

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

Battery level is shown as follows:



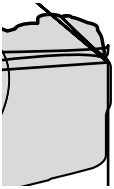
Indicator	Description
e	Battery partially discharged.
f	Battery about 80% full.
g	Battery about 60% full.
h	Battery about 40% full.
i	Battery about 20% full.
i (red)	Low battery. Charge as soon as possible.
j (blinks red)	Battery exhausted. Turn camera off and recharge battery.

Basic Setup

When you turn the camera on for the first time, you can choose a language and set the camera clock. At default settings, you can also pair the camera with a smartphone or tablet so that you can later synchronize the clocks or download pictures. Follow the steps below when turning the camera on for the first time.

N If you intend to pair the camera with a smartphone or tablet, install and launch the latest version of the FUJIFILM Camera Remote App on the smart device before proceeding. For more information, visit: *http://app.fujifilm-dsc.com/en/camera_remote/*

1 Turn the camera on.
A language-selection dialog will be displayed.



4 Check the time.

Choosing a Di□erent Language

To change the language:

1

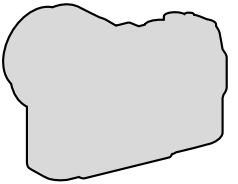
MEMO

3 Basic Photography and Playback

Taking Photographs (Mode P)

This section describes how to take pictures using program AE (mode P). See pages 56–63 for information on S, A, and M modes.

1 Adjust settings for program AE.



3 Ready the camera.

5

Viewing Pictures

Pictures can be viewed in the viewfinder or LCD monitor.

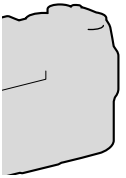
To view pictures full frame, press ▶.

Deleting Pictures

Use the 🗑 button to delete pictures.

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

1 With a picture displayed full frame, press the 🗑 button and select **FRAME**.



Recording Movies

This section describes how to film movies in auto mode.

1 Press the drive button and select **MOVIE**.

2 Adjust settings for program AE.

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

O
- 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.

N
- The indicator lamp lights while recording is in progress.
-

Adjusting Movie Settings

- Frame size and rate can be selected using B **MOVIE SETTING** > **MOVIE MODE**.
- To choose the card used to store movies, use D **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**.

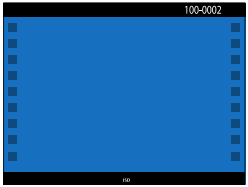
Depth of Field

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. Press the focus stick (focus lever) down to start movie playback.



Playback Speed

Press the focus stick (focus lever) left or right to adjust playback speed during playback. Speed is shown by the number of arrows (► or ◄).

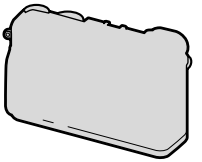
5 Taking Photographs

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.



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).

Aperture
Shutter speed

O Program shift is not available in any of the following circumstances:
- With flash units that support TTL auto
- When an auto option is selected for H **IMAGE QUALITY SETTING** > **DYNAMIC RANGE**
- In movie mode

N To cancel program shift, turn the camera off.

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.

Exposure Preview

Autofocus

Take pictures using autofocus.

1 Rotate the focus mode selector to S or C (P 65).

Focus Mode

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

The Focus Indicator

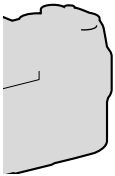
Focus status is shown by the focus indicator.

Focus indicator	Focus status
( )	Camera focusing.
z (lights green)	Subject in focus; focus locked (focus mode S).

Autofocus Options (AF Mode)

Choose how the camera focuses in modes S and C.

1 Press a function button (by default, **Fn5**) to display AF mode options.



Option	Description	Sample Image

Focus-Point Selection

Choose a focus point for autofocus.

Viewing the Focus-Point Display

1 Press **MENU/OK** and go to the shooting menu.

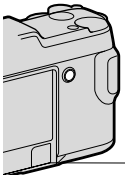
2 Select G **AF/MF SETTING** > **FOCUS AREA** to view the focus-point display.

3 Use the focus stick (focus lever) and rear command dial to choose a focus area.

N The focus point can also be selected using touch controls (P 21).

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.



The Focus-Point Display

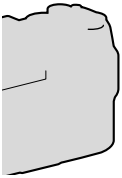
The focus-point display varies with the option selected for AF mode.

N Focus frames are shown by small squares ( ), focus zones by the large squares.

AF mode		
r SINGLE POINT	y ZONE	z

Checking Focus

To zoom in on the current focus area for precise focus, press the center of the rear command dial. Use the focus stick (focus lever) to choose another focus area. Press the center of the rear command dial again to cancel zoom.



Manual Focus

Adjust focus manually.

1 Rotate the focus mode selector to M.

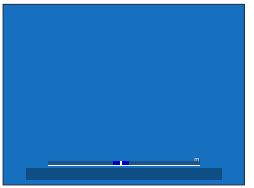
Quick Focus

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

N
- If both **AF DISTANCE INDICATOR** and **MF DISTANCE INDICATOR** are selected in the D **SCREEN SET-UP** > **DISP. CUSTOM SETTING** list, the manual focus indicator can also be viewed using the depth-of-□eld indicator in the standard display. Use the **DISP/BACK** button to display standard indicators.
- Use the G **AF/MF SETTING** > **DEPTH-OF-FIELD SCALE** option to choose how depth of □eld is displayed. Choose **FILM FORMAT BASIS** to help you make practical assessments of depth of □eld for pictures that will be viewed as prints and the like, **PIXEL BASIS** to help you assess depth of □eld for pictures that will be viewed at high resolutions on computers or other electronic displays.

Focus Zoom

If **ON** is selected for G **AF/MF SETTING** > **FOCUS CHECK**, the camera will automatically zoom in on the selected focus area when the focus ring is rotated. Press the center of the rear command dial to exit zoom.

N
- Use the focus stick (focus lever) to choose another focus area.
- Zoom can be adjusted by rotating the rear command dial.

Focus Peaking

Select **FOCUS PEAK HIGHLIGHT** for G **AF/MF SETTING** > **MF ASSIST** to highlight high-contrast outlines. When focusing, rotate the focus ring until the subject is highlighted.

ISO Sensitivity

Adjust the camera's sensitivity to light.

Adjust ISO sensitivity using a function

AUTO

Choose the base sensitivity, maximum sensitivity, and minimum shutter speed for **AUTO1**, **AUTO2**, and **AUTO3**.

Item	Options	Default		
		AUTO1	AUTO2	AUTO3
DEFAULT SENSITIVITY	12800–100	100		
MAX. SENSITIVITY	12800–200	800	1600	3200
MIN. SHUTTER SPEED	1/[illegible]–¼ SEC	1/[illegible] 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**.

N
- 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**.

Metering

Choose how the camera meters exposure.

A **SHOOTING SETTING** > **PHOTOMETRY**

Exposure Compensation

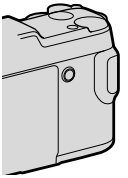
Adjust exposure.

Rotate the exposure compensation dial.

C (Custom)

When the exposure compensation dial is rotated to C

The AF-L and AE-L Buttons



Focus and exposure can also be locked using function buttons. At default settings, the **Fn3** button locks exposure, the **Fn4** button focus.

- While the assigned control is pressed, pressing the shutter button halfway will not end the lock.
- If **AE&AF ON/OFF SWITCH** is selected for D **BUTTON/DIAL SETTING** > **AE/AF-LOCK MODE**, the lock can only be ended by pressing the control a second time.

V WHITE BALANCE BKT

Select a bracketing amount (±1, ±2, or ±3) in the drive mode display. 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.

Y 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.

N While dynamic range bracketing is in effect, sensitivity will be restricted to a minimum of ISO 640; the sensitivity previously in effect is restored when bracketing ends.

Z FOCUS BKT

Each time the shutter button is pressed, the camera takes a series of photos, varying focus with each shot. The number of shots, the amount focus changes with each shot, and the interval between shots can be selected using A

I Continuous Shooting (Burst Mode)

Capture motion in a series of pictures.

Press the drive button and select I **CONTINUOUS**. 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 □le numbering reaches 999 before shooting is complete, the remaining pictures will be recorded to a new folder.
- Shooting ends when the memory card is full; the camera will record

Multiple Exposures

Create a photograph that combines two exposures.

6 The Shooting Menus

H IMAGE QUALITY SETTING

Adjust image quality settings.

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

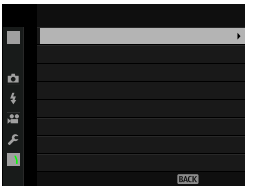


IMAGE QUALITY

Choose a □le format and compression ratio.

Option	Description
SUPER FINE	Very low compression ratios are used for maximum image quality.
FINE	Low compression ratios are used for higher-quality images.
NORMAL	Higher compression ratios are used to increase the number of images that can be stored.
SUPER FINE + RAW	Record both RAW and super-fine quality JPEG pictures.
FINE + RAW	Record both RAW and fine-quality JPEG images.
NORMAL + RAW	Record both RAW and normal-quality JPEG images.
RAW	Record RAW images only.

The Function Buttons

To toggle RAW image quality on or o□ for a single shot, assign **RAW** to a function button (P 198). Press the button once to select the option in the right column, again to return to the original setting (left column).

Option currently selected for IMAGE QUALITY	Option selected by pressing function button to which RAW is assigned
SUPER FINE	SUPER FINE + RAW
FINE	FINE + RAW
NORMAL	NORMAL + RAW
SUPER FINE + RAW	SUPER FINE
FINE + RAW	FINE
NORMAL + RAW	NORMAL
RAW	FINE

RAW RECORDING

Choose whether to compress RAW images.

NORMAL + RAW NORMAL

RA2m62.3.r to cWo c20 l S Q316Q80.549 l a y prFINE

FILM SIMULATION

Simulate the e□ects of di□erent kinds of □lm, including black-and-white (with or without color □lters). Choose a palette according to your subject and creative intent.

Option	Description
C PROVIA/STANDARD	Standard color reproduction. Suited to a wide range of subjects,(4 wi6.T251.6611 Tm [(I S lm [(83.8665)Tj / 65)Tjn001 276

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

COLOR CHROME EFFECT

Deepen colors in shadows. Select an amount (**STRONG** or **WEAK**) or choose **OFF** to turn the effect off.

Options		
STRONG	WEAK	OFF

COLOR CHROME EFFECT is not available during bracketing or burst photography.

WHITE BALANCE

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

Option	Description
AUTO	White balance is adjusted automatically.
k / l / m	Measure a value for white balance.
k	Choose a color temperature.
i	For subjects in direct sunlight.
j	For subjects in the shade.
k	Use under "daylight" fluorescent lights.
l	Use under "warm white" fluorescent lights.
m	Use under "cool white" fluorescent lights.
n	Use under incandescent lighting.
g	Reduces the blue cast typically associated with underwater lighting.

N
- In conditions in which **AUTO** fails to produce the desired results—for example, under certain types of lighting or in close-ups of portrait subjects—use custom white balance or choose a white balance option suited to the light source.
-

k : Color Temperature

Selecting k in the white balance menu displays a list of color temperatures;

NOISE REDUCTION

Reduce noise in pictures taken at high sensitivities.

Options								
+4	+3	+2	+1	0	−1	−2	−3	−4

LONG EXPOSURE NR

Select **ON** to reduce mottling in long time-exposures.

Options	
ON	OFF

LENS MODULATION OPTIMIZER

Select **ON** to improve de□nition by adjusting for di□raction 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.

Option	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 H **IMAGE QUALITY SETTING** tab.

2 Highlight **PIXEL MAPPING** and press **MENU/OK** to perform pixel mapping.

- 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.
- Processing may take a few seconds.

SELECT CUSTOM SETTING

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

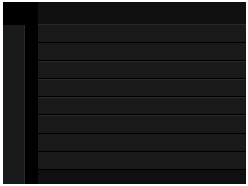
Banks			
CUSTOM 1	CUSTOM 2	CUSTOM 3	CUSTOM 4
CUSTOM 5	CUSTOM 6	CUSTOM 7	

EDIT/SAVE CUSTOM SETTING

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

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

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



G AF/MF SETTING

Adjust focus settings.

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

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.

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
117 POINTS (9 × 13)	Choose from 117 focus points arranged in a 9- by 13-point grid.
425 POINTS (17 × 25)	Choose from 425 focus points arranged in a 17- by 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. The camera adjusts focus continuously, allowing it to focus faster when the shutter button is pressed halfway. Choosing this option helps prevent missed shots.

Options	
ON	OFF

Choosing **ON** increases the drain on the battery.

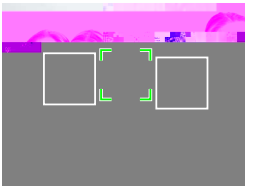
AF ILLUMINATOR

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.
-

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

O
- 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.
- In some modes, the camera may set exposure for the frame as a whole rather than the portrait subject.

N
- The face selected by the camera is 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.
- Faces can be detected with the camera in vertical or horizontal orientation.
- If the camera is unable to detect the subject's eyes because they are hidden by hair, glasses, or other objects, the camera will instead focus on faces.
- Face/eye detection options can also be accessed via shortcuts (P 192).

MF ASSIST

Choose how focus is displayed in manual focus mode.

DEPTH-OF-FIELD SCALE

Choose **FILM FORMAT BASIS** to help you make practical assessments of depth of □eld for pictures that will be viewed as prints and the like, **PIXEL BASIS** to help you assess depth of □eld 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 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.

TOUCH SCREEN MODE

Choose the focus operations performed using touch controls.

Still Photography

Mode	Description

SAVE SELF-TIMER SETTING

AE BKT SETTING

Adjust exposure bracketing settings.

Option	Description
FRAMES/STEP SETTING	Choose the number of shots in the bracketing sequence and the amount exposure is varied with each shot. • FRAMES: Choose the number of shots in the bracketing sequence. • STEP: Choose the amount exposure is varied with each shot.
1 FRAME/CONTINUOUS	• 1 FRAME: The shots in the bracketing sequence are taken one at a time. • CONTINUOUS: The shots in the bracketing sequence are taken in a single burst.
SEQUENCE SETTING	Choose the order in which the shots are taken.

FILM SIMULATION BKT

Choose the three film simulation types used for film simulation bracketing (P 90).

Options		
c **PROVIA/STANDARD**	d **Velvia/VIVID**	e **ASTIA/SOFT**
i **CLASSIC CHROME**	g **PRO Neg. Hi**	h **PRO Neg. Std**
a **ACROS***	b **MONOCHROME***	f **SEPIA**

* Available with yellow (**Ye**), red (**R**), and green (**G**) filters.

FOCUS BKT

Adjust focus bracketing settings.

Option	Description
FRAMES	Choose the number of shots.
STEP	Choose the amount focus changes with each shot.
INTERVAL	Choose the interval between shots.

N Do not adjust zoom during shooting.

Focus and FRAMES/STEP

The relation between focus and the options chosen for **FRAMES** and **STEP** is shown in the illustration.

PHOTOMETRY

Choose how the camera meters exposure.

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

Mode	Description
o **MULTI**	The camera instantly determines exposure based on an analysis of composition, color, and brightness distribution. Recommended in most situations.
p **CENTER WEIGHTED**	The camera meters the entire frame but assigns the greatest weight to the area at the center.
v **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.
w **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.

SHUTTER TYPE

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

Option	Description
t **MECHANICAL SHUTTER**	Take pictures with the mechanical shutter.
s **ELECTRONIC SHUTTER**	Take pictures with the electronic shutter.
t **E-FRONT CURTAIN SHUTTER**	The camera chooses the mechanical or electronic front curtain shutter according to shooting conditions.
u **MECHANICAL + ELECTRONIC**	The camera chooses the mechanical or electronic shutter according to shooting conditions.
r **E-FRONT + ELECTRONIC**	The camera chooses the mechanical, electronic, or electronic front curtain shutter according to shooting conditions.

If s **ELECTRONIC SHUTTER**, u **MECHANICAL + ELECTRONIC**, or r **E-FRONT + ELECTRONIC** is selected, shutter speeds faster than 1/4000 s can be chosen by rotating the shutter speed dial to **4000** and then rotating the rear command dial. The mechanical shutter will still be used at high shutter speeds when t **E-FRONT CURTAIN SHUTTER** is selected.

O
- When using the electronic shutter, note the following:
  - Distortion may be visible in shots of moving subjects.
  - Distortion may also be visible in hand-held shots taken at high shutter speeds; use of a tripod is recommended.
  - Banding and fog may occur in shots taken under fluorescent lights or other flickering or erratic illumination.
  - When taking pictures with the shutter muted (P 161), respect your subjects' image rights and right to privacy.
- When using the electronic front-curtain shutter, note the following:
  - Faster shutter speeds are more likely to result in uneven exposure and loss of resolution in out-of-focus areas of the frame.

N The following restrictions apply when the electronic shutter is used:
- Sensitivity is restricted to values of ISO 12800–100.
- Long exposure noise reduction has no effect.
- The flash can not be used.

FLICKER REDUCTION

Select **ON** to reduce □icker in pictures and the display when shooting under □uorescent lighting and other similar light sources.

Options	
ON	OFF

- Enabling □icker reduction disables the electronic shutter and increas-

ISO

Adjust the camera's sensitivity to light.

Option	Description
AUTO1 **AUTO2** **AUTO3**	Sensitivity is automatically adjusted in response to shooting conditions according to combination of standard and maximum sensitivity and minimum shutter speed chosen for A **SHOOTING SETTING** > **ISO**. Choose from **AUTO1**, **AUTO2**, and **AUTO3** (P 120).
12800–100	Adjust sensitivity manually. Selected value is shown in display.
H (102400/51200/25600), **L** (50)	Choose for special situations. Note that mottling may appear in pictures taken at **H**, while **L** reduces dynamic range.

N
- The **Fn1** button can be assigned other roles using D **BUTTON/DIAL SETTING** > **FUNCTION (Fn) SETTING**. The role described above can also be assigned to other function buttons (P 198).
- Sensitivity is not reset when the camera is turned o□.
- If desired, you can use D **BUTTON/DIAL SETTING** > **COMMAND DIAL SETTING** to con□gure the camera so that ISO sensitivity can be adjusted using the front or rear 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

Choose the base sensitivity, maximum sensitivity, and minimum shutter speed for **AUTO1**, **AUTO2**, and **AUTO3**.

Item	Options	Default		
		AUTO1	AUTO2	AUTO3
DEFAULT SENSITIVITY	12800–100	100		
MAX. SENSITIVITY	12800–200	800	1600	3200
MIN. SHUTTER SPEED	1/8000–¼ SEC	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**.

N
- 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**.

MOUNT ADAPTER SETTING

Adjust settings for lenses attached via a mount adapter.

Shutter Select

When using lenses with an internal shutter, choose whether to use the shutter on the camera (**BODY**) or the lens (**LENS**).

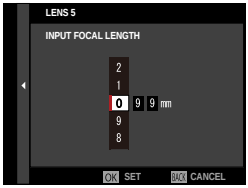
This option may have no e□ect with some lenses.

Saved Settings

Store settings for up to 6 lenses, or choose **OFF** to disable corrections for focal length, distortion, color shading, and peripheral illumination.

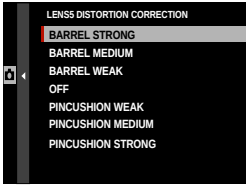
Choosing a Focal Length

Use the focus stick (focus lever) to enter the focal length.



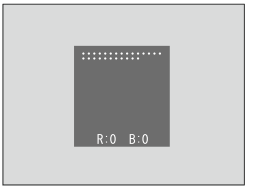
Distortion Correction

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.

F FLASH SETTING

Adjust flash-related settings.

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

N The options available vary with the shooting mode selected.

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.

MASTER SETTING

Choose a □

B MOVIE SETTING

Adjust movie-recording options.

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

N The options available vary with the shooting mode selected.

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.

7 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.

The DISP/BACK Button

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

N
- The maximum zoom ratio varies with the option selected for H **IMAGE QUALITY SETTING** > **IMAGE SIZE**.
-

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

Setting	Description
REFLECT SHOOTING COND.	Create a copy using the settings in e□ect at the time the photo was taken.
FILE TYPE	Choose a file format.
IMAGE SIZE	Choose an image size.
IMAGE QUALITY	Adjust image quality.
PUSH/PULL PROCESSING	Adjust exposure.
DYNAMIC RANGE	Enhance details in highlights for natural contrast.
FILM SIMULATION	Simulate the e□ects of di□erent types of film.
GRAIN EFFECT	Add a film grain e□ect.
COLOR CHROME EFFECT	Deepen colors in shadows.
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 MODULATION OPTIMIZER	Improve definition by adjusting for di□raction and the slight loss of focus at the periphery of the lens.
COLOR SPACE	Choose the color space used for color reproduction.

ERASE

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

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

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 focus stick (focus lever) left or right to scroll through pictures and press **MENU/OK** to delete.

N
- A con□rmation dialog is not displayed before pictures are deleted; be sure the correct picture is selected before pressing **MENU/OK**.
- Additional pictures can be deleted by pressing **MENU/OK**. Press the focus stick left or right to scroll through pictures and press **MENU/OK** to delete.

SELECTED FRAMES

1

SIMULTANEOUS DELETE(RAW SLOT1/JPG SLOT2)

Taking photos with **RAW / JPEG** selected for D **SAVE DATA SET-UP** > **CARD SLOT SETTING (STILL IMAGE)** creates two copies. Choose whether deleting the RAW image will also delete the JPEG copy.

Option	Description
ON	Deleting the RAW image from the card in Slot 1 also deletes the JPEG copy from the card in Slot 2.
OFF	Deleting the RAW image from the card in Slot 1 does not delete the JPEG copy from the card in Slot 2.

CROP

Create a cropped copy of the current picture.

1. Display the desired picture.
2. Select **CROP** in the playback menu.
3. Use the rear command dial to zoom in and out and press the focus stick (focus lever) up, down, left, or right to scroll the picture until the desired portion is displayed.

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 con□rmation dialog.
4. Press **MENU/OK** again to save the resized copy to a separate □le.

N The sizes available vary with the size of the original image.

VOICE MEMO SETTING

Add a voice memo to the current photograph.

1. Select **ON** for **VOICE MEMO SETTING** in the playback menu.
2. Display a photo to which you wish to add a voice memo.
3. Press and hold the **Fn2** button to record the memo. Recording ends after 30 s or when you release the button.

COPY

Copy pictures between the cards in the □rst and second slots.

1 Select **COPY** in the playback menu.

2 Highlight one of the following options.

Option	Description
SLOT1 y SLOT2	Copy pictures from the card in the first slot to the card in the second slot.
SLOT2 y SLOT1	Copy pictures from the card in the second slot to the card in the first slot.

3 Press the focus stick (focus lever) right.

4 Highlight one of the following options and press **MENU/OK**.

IMAGE TRANSFER ORDER

Select photos for upload to a paired smartphone or tablet.

1 Select **IMAGE TRANSFER ORDER** > **SELECT FRAMES** in the playback menu.

2 Highlight photos and press **MENU/OK** to select or deselect. Repeat until all the desired photos have been selected.

3 Press **DISP/BACK** to exit to playback.

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

N
- Image transfer orders can contain a maximum of 999 pictures.
- The following cannot be selected for upload:
  - Protected pictures
  - Movies
  - RAW images
  - "Gift" pictures (pictures taken with other cameras)
- If **PAIRING/TRANSFER ORDER** is selected for D **CONNECTION SETTING** > **GENERAL SETTINGS** > r **BUTTON SETTING**, photos can also be marked for upload using the **Fn1** button.
- To remove upload marking from all pictures in the current order, select **IMAGE TRANSFER ORDER** > **RESET ORDER**.
- If **ON** is selected for D **CONNECTION SETTING** > **Bluetooth SETTINGS** > **AUTO IMAGE TRANSFER**, photos will automatically be marked for upload as they are taken.

PHOTOBOOK ASSIST

Create books from your favorite photos.

Creating a Photobook

1. Select **NEW BOOK** for C **PLAY BACK MENU** > **PHOTOBOOK ASSIST**.
2. Scroll through the images and press the focus stick (focus lever) up to select or deselect. Press **MENU/OK**

Viewing Photobooks

Highlight a book in the photobook assist menu and press **MENU/OK** to display the book, then press the focus stick (focus lever) 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.

instax PRINTER PRINT

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

1. Turn the printer on.
2. Select C **PLAY BACK MENU** > **instax PRINTER PRINT**. The camera will con-

MEMO

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D USER SETTING

Adjust basic camera settings.

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

DATE/TIME

To set the camera clock:

1. Select D **USER SETTING** > **DATE/TIME** in the D (**SET UP**) tab.
2. Press the focus stick (focus lever) 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 focus stick up or down.
3. Press **MENU/OK** to set the clock.

TIME DIFFERENCE

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

1. Highlight g **LOCAL** and press **MENU/OK**.
2. Use the focus stick (focus lever) 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 g **LOCAL** and press **MENU/OK**. To set the clock to the time in your home time zone, select h **HOME**.

Options	
g **LOCAL**	h **HOME**

N If g **LOCAL** is selected,

a

Choose a language.

MY MENU SETTING

Edit the items listed in the E (**MY MENU**) tab, a personalized cus-

SENSOR CLEANING

Remove dust from the camera image sensor.

Option	Description
OK	Clean the sensor immediately.
WHEN SWITCHED ON	Sensor cleaning will be performed when the camera is turned on.
WHEN SWITCHED OFF	Sensor cleaning will be performed when the camera turns o□ (sensor cleaning is not however performed if the camera turns o□ in playback mode).

N Dust that cannot be removed using sensor cleaning can be removed manually (P 246).

BATTERY AGE

Check battery age. Age is expressed as a number between 0 and 4.

RESET

Reset shooting or setup menu options to default values.

1 Highlight the desired option and press **MENU/OK**.

Option	Description
SHOOTING MENU RESET	Reset all shooting menu settings other than custom white balance and custom settings banks created using **EDIT/SAVE CUSTOM SETTING** to default values.
SET-UP RESET	Reset all setup menu settings other than **DATE/TIME**, **TIME DIFFERENCE**, and **CONNECTION SETTING** to default values.

2 A con□rmation dialog will be displayed; highlight **OK** and press **MENU/OK**.

SHUTTER VOLUME

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

Options			
b (high)	c (medium)	d (low)	e OFF (mute)

SHUTTER SOUND

Choose the sound made by the electronic shutter.

Options		
i **SOUND 1**	j **SOUND 2**	k **SOUND 3**

PLAYBACK VOLUME

Adjust the volume for movie playback.

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

D SCREEN SETTING

Make changes to display settings.

To access display settings, press **MENU/OK**,

LCD BRIGHTNESS

IMAGE DISP.

AUTOROTATE PB

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

Options	
ON	OFF

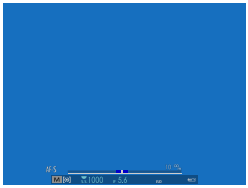
FOCUS SCALE UNITS

Choose the units used for the focus distance indicator.

Options	
METERS	FEET

LARGE INDICATORS MODE(EVF)

Select **ON** to display large indicators in the electronic viewfinder. The indicators displayed can be selected using D **SCREEN SETTING** > **LARGE INDICATORS DISP. SETTING**.



LARGE INDICATORS MODE(LCD)

Select **ON** to display large indicators in the LCD monitor. The indicators displayed can be selected using D **SCREEN SETTING** > **LARGE INDICATORS DISP. SETTING**.

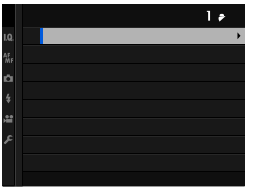
LARGE INDICATORS DISP. SETTING

Choose the indicators displayed when **ON** is selected for D **SCREEN SETTING** > **LARGE INDICATORS MODE(EVF)** or **LARGE INDICATORS MODE(LCD)**.

D BUTTON/DIAL SETTING

Access options for camera controls.

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



EDIT/SAVE QUICK MENU

Choose the items displayed in the quick menu.

1 Select D **BUTTON/DIAL SETTING** > **EDIT/SAVE QUICK MENU** in the D (**SET UP**) tab.

2 The current quick menu will be displayed; use the focus stick (focus lever) to highlight the item you wish to change and press **MENU/OK**.

3 Highlight any of the following options and press **MENU/OK** to assign it to the selected position.

- IMAGE SIZE
- IMAGE QUALITY
- FILM SIMULATION*
- GRAIN EFFECT*
- COLOR CHROME EFFECT*
- DYNAMIC RANGE*
- WHITE BALANCE*
- HIGHLIGHT TONE*
- SHADOW TONE*
- COLOR*
- SHARPNESS*
- NOISE REDUCTION*
- SELECT CUSTOM SETTING*
- AF MODE
- FACE/EYE DETECTION SETTING
- MF ASSIST
- TOUCH SCREEN MODE
- SELF-TIMER
- PHOTOMETRY
- SHUTTER TYPE
- FLICKER REDUCTION
- ISO*
- FLASH FUNCTION SETTING
- FLASH COMPENSATION
- MOVIE MODE
- MIC LEVEL ADJUSTMENT
- EVF/LCD BRIGHTNESS
- EVF/LCD COLOR
- NONE

* Stored in custom settings bank.

N
- 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**.

N

FUNCTION (Fn) SETTING

Choose the roles played by the function buttons.

1 Select D

N
- **AE LOCK ONLY**, **AF LOCK ONLY**, **AE/AF LOCK**, and **AF-ON** cannot be assigned to the touch function buttons (**T-Fn1** through **T-Fn4**).
- Function button assignment options can also be accessed by holding the **DISP/BACK** button.

AF-ON

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

MODELING FLASH

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

TTL-LOCK

If **TTL-LOCK** is selected, you can press the control to lock □ash output according to the option selected for F **FLASH SETTING** > **TTL-LOCK MODE** (P 125).

COMMAND DIAL SETTING

Choose the roles played by the command dials.

Option	Description
FRONT COMMAND DIAL 1	Assign shutter speed (**S.S. (PROGRAM SHIFT)**) or aperture (**APERTURE (PROGRAM SHIFT)**)[1] to **FRONT COMMAND DIAL 1**.
FRONT COMMAND DIAL 2	Assign shutter speed (**S.S. (PROGRAM SHIFT)**), aperture (**APERTURE (PROGRAM SHIFT)**)[1], exposure compensation (**EXP. COMPENSATION**)[2], sensitivity (**ISO**), or no role (**NONE**) to **FRONT COMMAND DIAL 2** or **FRONT COMMAND DIAL 3**.
FRONT COMMAND DIAL 3	
REAR COMMAND DIAL	Assign shutter speed (**S.S. (PROGRAM SHIFT)**), aperture (**APERTURE (PROGRAM SHIFT)**)[1], exposure compensation (**EXP. COMPENSATION**)[2], sensitivity (**ISO**), or no role (**NONE**) to the rear command dial.

1 Aperture ring rotated to **C**.
2 Exposure compensation dial rotated to **C**.

N
- **COMMAND DIAL SETTING** can also be accessed by pressing and holding the **Fn2** button.
- You can also press the **Fn2** button to cycle through settings in the order **FRONT COMMAND DIAL 1**, **FRONT COMMAND DIAL 2**, and **FRONT COMMAND DIAL 3**.
- The **Fn2** button can be assigned other roles using D **BUTTON/DIAL SETTING** > **FUNCTION (Fn) SETTING**. The role described above can also be assigned to other function buttons (P 198).

SHUTTER AF

SHOOT WITHOUT CARD

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

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

FOCUS RING

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

Options	
↷ **CW** (clockwise)	↶ **CCW** (counterclockwise)

AE/AF-LOCK MODE

This option determines the behavior of the button to which exposure and/or focus lock is assigned.

Option	Description
AE&AF ON WHEN PRESSING	Exposure and/or focus will lock while the button is pressed.
AE&AF ON/OFF SWITCH	Exposure and/or focus will lock when the button is pressed and remain locked until it is pressed again.

TOUCH SCREEN SETTING

Enable or disable touch-screen controls.

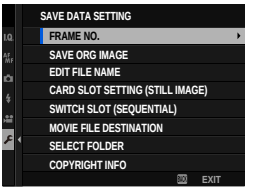
Option	Description
TOUCH SCREEN ON/OFF	• **ON**: Touch controls enabled; the LCD monitor functions as a touch screen. • **OFF**: Touch controls disabled; the LCD monitor cannot be used as a touch screen.
EVF TOUCH SCREEN AREA	

AUTO POWER SAVE

D SAVE DATA SETTING

Make changes to file management settings.

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

SAVE ORG IMAGE

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

Options	
ON	OFF

EDIT FILE NAME

Change the □le name pre□x. sRGB images use a four-letter pre□x (default "DSCF"), Adobe RGB images a three-letter pre□x ("DSF") preceded by an underscore.

Option	Default pre□x	Sample □le name
sRGB	DSCF	ABCD0001
AdobeRGB	_DSF	_ABC0001

N File name pre□xes can be edited using touch controls.

CARD SLOT SETTING (STILL IMAGE)

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

Option	Description
SEQUENTIAL	The card in the second slot is used only when the card in the first slot is full.
BACKUP	Each picture is recorded twice, once to each card.
RAW / JPEG	RAW pictures will be saved to the card in the first slot and JPEG pictures to the card in the second slot.

SWITCH SLOT (SEQUENTIAL)

Choose the card that is recorded to □rst when **SEQUENTIAL** is selected for **CARD SLOT SETTING (STILL IMAGE)**. The camera switches between memory card Slots 1 and 2 each time this option is selected.

instax PRINTER CONNECTION SETTING

Adjust settings for connection to optional Fuji□Im 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

Option	Description
USB RAW CONV./ BACKUP RESTORE	Connecting the camera to a computer via USB automatically enables USB RAW conversion/backup restore mode. The camera functions normally when not connected. • USB RAW CONV. (requires FUJIFILM X RAW STUDIO): Use the camera's image processing engine to rapidly convert RAW files to high-quality JPEG images. • BACKUP RESTORE (requires FUJIFILM X Acquire): Save and load camera settings. Reconfigure the camera in an instant or share settings with other cameras of the same type.

O D **POWER MANAGEMENT** > **AUTO POWER OFF** settings also apply during tethered shooting. Select **OFF** to prevent the camera turning o□ automatically.

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

GENERAL SETTINGS

Adjust settings for connection to wireless networks.

Option	Description
NAME	Choose a name (**NAME**) to identify the camera on the wireless network (the camera is assigned a unique name by default).
RESIZE IMAGE FOR SMARTPHONE H	Choose whether to resize images for upload to smartphones. Resizing applies only to the copy uploaded to the smartphone; the original is not a□ected. • **ON**: Larger images are resized to H for upload. This setting is recommended. • **OFF**: Images are uploaded at their original size.
GEOTAGGING	Choose whether location data downloaded from a smartphone are embedded in pictures as they are taken.
LOCATION INFO	Display the location data last downloaded from a smartphone.
r BUTTON SETTING	Choose the role played by function buttons assigned the **WIRELESS COMMUNICATION** function. • s **PAIRING/TRANSFER ORDER**: The buttons can be used for pairing and selecting images for transfer. • r **WIRELESS COMMUNICATION**: The buttons can be used for wireless connections.

INFORMATION

View the camera's MAC and Bluetooth address.

RESET WIRELESS SETTING

Restore wireless settings to their default values.

MEMO

Shortcut Options

Customize camera controls to suit your style or situation.

Frequently-used options can be added to the Q

The Q (Quick Menu) Button

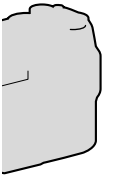
Press Q for quick access to selected options.

The Quick Menu Display

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

Viewing and Changing Settings

1 Press Q to display the quick menu during shooting.

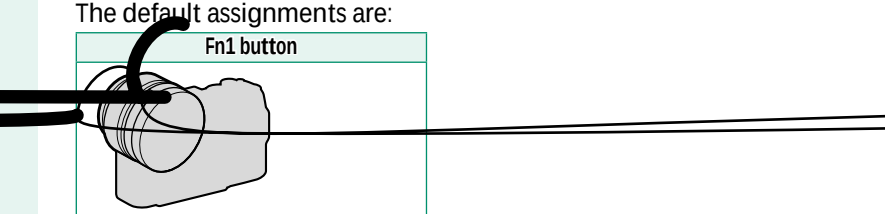


The Fn (Function) Buttons

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

N The functions assigned to **T-Fn1** through **T-Fn4** can be accessed by □ick-ing the monitor.

The default assignments are:

Fn1 button


Assigning Roles to the Function Buttons

To assign roles to the buttons:

1. Press and hold the **DISP/BACK** button until a control selection menu is displayed.
2. Highlight a control and press **MENU/OK**.

N
- **AE LOCK ONLY**, **AF LOCK ONLY**, **AE/AF LOCK**, and **AF-ON** cannot be assigned to the touch function buttons (**T-Fn1** through **T-Fn4**).
- Button assignments can also be selected using D **BUTTON/DIAL SETTING** > **FUNCTION (Fn) SETTING**.

AF-ON

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

MODELING FLASH

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

TTL-LOCK

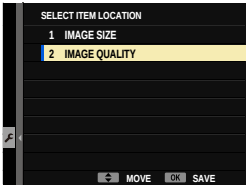
If **TTL-LOCK** is selected, you can press the control to lock □ash output according to the o7.4f [(11 -1.2 9C)-eoh0.4h(er butt)6(on8S1 gs (
ed □

E MY MENU

Access a personalized menu of frequently-used options.

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

3 Choose a position for the item and press **MENU/OK**. The item will be added 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.

N "My menu" can contain up to 16 items.

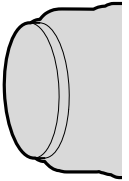
MEMO

10 Peripherals and Optional Accessories

Lenses

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

Lens Parts



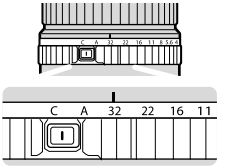
Lens Care

- 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 Fuji□lm lens-cleaning paper to which a small amount of lens-cleaning □uid has been applied.
- Replace the front and rear caps when the lens is not in use.

Removing Lens Caps

Aperture ring

Rotate the lens aperture ring to choose the aperture (f-number).



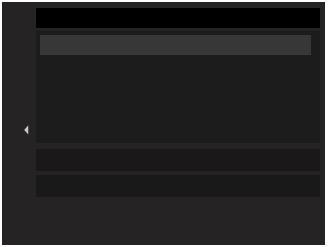
Flash Settings

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

1

SHOE MOUNT FLASH

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



Setting	Description
E 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 **AUTO** is selected, zoom will automatically be adjusted to match coverage to lens focal length.
F Lighting	If the unit supports this feature, choose from: • J (FLASH POWER PRIORITY): Gain range by slightly reducing coverage. • K (STANDARD): Match coverage to picture angle. • L (EVEN COVERAGE PRIORITY): Slightly increase coverage for more even lighting.
G LED light	Choose how the built-in LED light functions during still photography (compatible units only): as a catchlight (M /**CATCHLIGHT**), as an AF-assist illuminator (N /**AF ASSIST**), or as both a catchlight and an AF-assist illuminator (O/**AF ASSIST+CATCHLIGHT**). Choose **OFF** to disable the LED during photography.
G Number of □ashes*	Choose the number of times the flash fires each time the shutter is released in **MULTI** mode.
H Frequency*	Choose the frequency at which the flash fires in **MULTI** mode.

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

MASTER(OPTICAL)

The options will be displayed if the unit is currently functioning as master □ash for Fuji□lm optical wireless remote □ash control.

Setting	Description
A 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 camera settings. • MULTI: Choosing **MULTI**

Setting	Description
G 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. • E **(FLASH AUTO)**: The flash fires only as required; flash level is adjusted according to subject brightness. A p

Setting	Description
J Lighting	If the unit supports this feature, choose from: • J (FLASH POWER PRIORITY): Gain range by slightly reducing coverage. • K (STANDARD): Match coverage to picture angle. • L (EVEN COVERAGE PRIORITY): Slightly increase coverage for more even lighting.
K Master	Assign the master flash to group A (**Gr A**), B (**Gr B**), or C (**Gr C**). If **OFF** is selected, output from the master flash

11 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.

Shooting

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

Playback

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

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

Wireless Connections (Bluetooth®, Wireless LAN/Wi-Fi)

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

Smartphones and Tablets: FUJIFILM Camera Remote

Connect to the camera via Bluetooth or wireless LAN.

N To establish a wireless connection to the camera, you will need to install the latest version of the FUJIFILM Camera Remote app on your smartphone or tablet.

FUJIFILM Camera Remote

Once a connection has been established, you can use FUJIFILM Camera Remote to:

- Control the camera and take pictures remotely
- Receive pictures uploaded from the camera
- Browse the pictures on the camera and download selected pictures
- Upload location data to the camera
- Release the camera shutter
- Update camera □rmware

For downloads and other information, visit:
http://app.fujifilm-dsc.com/en/camera_remote/

5 Turn the camera on.

6 Copy pictures to your computer.

- **Tethered shooting**: During tethered shooting, you can copy pictures using tethered shooting software such as the FUJIFILM Tether Shooting Plug-in PRO.
- **Image transfer**: Use MyFinePix Studio or applications provided with your operating system.
- **RAW conversion**: Process RAW images using FUJIFILM X RAW STUDIO. The power of the camera's image processing engine is used for rapid processing.
- **Saving and loading camera settings**: Use FUJIFILM X Acquire to save or load camera settings. Save your preferred settings to a □le in a single operation and copy them to multiple cameras.

Printing Pictures

1 Turn the printer on.

2 Select C **PLAY BACK MENU** > **instax PRINTER PRINT**

12 Technical Notes

Accessories from Fuji□lm

The following optional accessories are available from Fuji□lm. For the latest information on the accessories available in your region, check with your local Fuji□lm representative or visit *http://www.fujifilm.com/products/digital_cameras/index.html*.

Rechargeable Li-ion batteries

NP-T125: Additional high-capacity NP-T125 rechargeable batteries can be purchased as required.

Battery chargers

BC-T125: Replacement battery chargers can be purchased as required.

AC power adapters

AC-15V: Use this 100–240 V, 50/60 Hz AC power adapter for extended shooting and playback, when copying pictures to a computer. It can also be used to charge the battery without removing it from the camera.

FUJINON lenses

GF-series lenses: Interchangeable lenses for use exclusively with the FUJIFILM G-mount.

Mount adapters

H MOUNT ADAPTER G: This mount adapter allows the camera to be used with SUPER EBC FUJINON accessories for the GX645AF, giving you the use of one additional teleconverter and nine di□erent lenses.

Macro extension tubes

MCEX-18G WR/MCEX-45G WR: Mount this adapter between the lens and the camera body for macro photography with large reproduction ratios.

View camera adapters

VIEW CAMERA ADAPTER G: This adapter is for use with lenses for older FUJINON

Shoe-mounted □ash 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 EF-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-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.

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.

Remote releases

RR-100: Use to reduce camera shake or keep the shutter open during a time exposure.

Stereo microphones

MIC-ST1: An external microphone for movie recording.

Body caps

BCP-002: Cover the camera lens mount when no lens is attached.

instax SHARE printers

SP-1/SP-2/SP-3: Connect via wireless LAN to print pictures on instax film.

FUJIFILM X RAW STUDIO

When the camera is connected to a computer via USB, FUJIFILM X RAW STUDIO can use the camera's unique image processing engine to rapidly convert RAW □les to create high-quality images in other formats.

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

FUJIFILM X Acquire

This application for Windows and macOS lets you connect to the camera via USB or Wi-Fi and automatically download photos to a speci□ed folder as they are taken.

http://fujifilm-x.com/x-stories/fujifilm-x-acquire-features-users-guide/

FUJIFILM Tether Shooting Plug-ins for Lightroom

Plug-ins for Adobe® Photoshop® Lightroom® Classic CC.

- *FUJIFILM Tether Shooting Plug-in PRO*
  http://fujifilm-x.com/x-stories/fujifilm-tether-plug-in-pro-features/
- *FUJIFILM Tether Shooting Plug-in*
  http://www.fujifilm.com/products/digital_cameras/accessories/others/#soft

Hyper-Utility Software HS-V5

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

http://www.fujifilm.com/products/digital_cameras/accessories/others/#soft

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

Use

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

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

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

Service

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

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

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

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

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

WARNING

AC Power Adapters

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 connecting the adapter. Disconnect the adapter by the plug, not the cable.
- Do not use with other devices.
- Do not disassemble.
- Do not expose to high heat and humidity.
- Do not subject to strong physical shocks.
- The adapter may hum or become hot to the touch during use. This is normal.
- If the adapter causes radio interference, reorient or relocate the receiving antenna.

Using the Camera

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

For Customers in Canada

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

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

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

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

Radiation Exposure Statement: The available scientific evidence does not show that any health problems are associated with using low power wireless devices. There is no proof, however, that these low power wireless devices are absolutely safe. Low power Wireless devices emit low levels of radio frequency energy (RF) in the microwave range while being used. Whereas high levels of RF can produce health e□ects (by heating tissue), exposure of low-level RF that does not produce heating e□ects causes no known adverse health e□ects. Many studies of low-level RF exposures have not found any biological e□ects. Some studies have suggested that some biological e□ects might occur, but such findings have not been confirmed by additional research. GFX 50R has been tested and found to comply with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules.

Disposal of Electrical and Electronic Equipment in Private Households

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

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

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

Wireless Network and Bluetooth Devices: Cautions

Product Care

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

Camera body

Cleaning the Image Sensor

Dust that cannot be removed using D

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

O 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.

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

Problem	Solution
Charging does not start.	• Insert the battery (P 32). • Reinsert the battery in the correct orientation (P 32). • Make sure that the charger is correctly plugged in (P 29). • Ensure that the plug adapter is correctly connected to the charger (P 29).
Charging is slow.	Charge the battery at room temperature.
The charging lamp blinks, but the battery does not charge.	• There is dirt on the battery terminals: Clean the terminals with a soft, dry cloth (P 32). • The battery has been charged many times: The battery has reached the end of its charging life. Purchase a new battery. If the battery still fails to charge, contact your Fujifilm dealer (P 232).

Menus and Displays

Problem	Solution
Display is not in English.	Select **ENGLISH** for D **USER SETTING** > a (P 41, 158).

Shooting

Problem	Solution
No picture is taken when the shutter button is pressed.	• The memory card is full: Insert a new memory card or delete pictures (P 34, 138). • The memory card is not formatted: Format the memory card in the camera (P 156). • There is dirt on the memory card contacts: Clean the contacts with a soft, dry cloth. • The memory card is damaged: Insert a new memory card (P 34). • The battery is exhausted: Charge the battery or insert a fully-charged spare battery (P 29). • The camera has turned o automatically: Turn the camera on (P 37). • You are using a third-party mount adapter: Select **ON** for **SHOOT WITHOUT LENS** (P 177).
Mottling (“noise”) appears in the monitor or view nder when the shutter button is pressed halfway.	0.0006 T7ottld7 1-21(t o3o0.1261 Tf ior)]TJ -0bn i7h5TJ -L8(he bar

Problem	Solution
No face is detected.	• The subject's face is obscured by sunglasses, a hat, long hair, or other objects: Remove the obstructions (P 104). • The subject's face occupies only a small area of the frame: Change the composition so that the subject's face occupies a larger area of the frame (P 104). • The subject's face is turned away from the camera: Ask the subject to face the camera (P 104). • The camera is tilted: Keep the camera level.

Problem	Solution
The flash does not fully light the subject.	• The subject is not in range of the flash: Position the subject in range of the flash. • The flash window is obstructed: Hold the camera correctly. • Shutter speed is faster than the sync speed: Choose a slower shutter speed (P 58, 62, 262).
Pictures are blurred.	• The lens is dirty: Clean the lens. • The lens is blocked: Keep objects away from the lens (P 45). • s is displayed during shooting and the focus frame is displayed in red: Check focus before shooting (P 46).
Pictures are mottled.	• Shutter speed is slow and the ambient temperature is high: This is normal and does not indicate a malfunction. Use pixel mapping (P 98). • The camera has been used continuously at high temperatures: Turn the camera off and wait for it to cool down (P 37, 259). • A temperature warning is displayed: Turn the camera off and wait for it to cool down (P 37, 259).

Miscellaneous

Problem	Solution
The camera is unresponsive.	• Temporary camera malfunction: Remove and reinsert the battery (P 32). • The battery is exhausted: Charge the battery or insert a fully-charged spare battery (P 29). • The camera is connected to a wireless LAN: End the connection.
The camera does not function as expected.	Remove and reinsert the battery (P 32). If the problem persists, contact your Fujifilm dealer.
No sound.	Adjust the volume (P 160).
Pressing the Q button does not display the quick menu.	TTL-LOCK is active: End TTL-LOCK (P 125).

Warning Messages and Displays

The following warnings appear in the display.

Warning	Description
i (red)	Low battery. Charge the battery or insert a fully-charged spare battery.
j (blinks red)	Battery exhausted. Charge the battery or insert a fully-charged spare battery.
s (displayed in red with red focus frame)	The camera cannot focus. Use focus lock to focus on another subject at the same distance, then recompose the picture.
Aperture or shutter speed displayed in red	The subject is too bright or too dark and the picture will be over- or under-exposed. Use the flash for additional lighting when taking photographs of poorly-lit subject.
FOCUS ERROR **LENS CONTROL ERROR** **TURN OFF THE CAMERA AND TURN ON AGAIN**	Camera malfunction. Turn the camera o□ 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	• The memory card is not formatted or the memory card has been formatted in a computer or other device: Format the memory card using D **USER SETTING** > **FORMAT**. • The memory card contacts require cleaning: Clean the contacts with a soft, dry cloth. If the message is repeated, format the card. If the message persists, replace the card. • Camera malfunction: Contact a Fujifilm dealer.
LENS ERROR	Turn the camera o□, remove the lens, and clean the mounting surfaces, then replace the lens and turn the camera on. If the problem persists, contact a Fujifilm dealer.

Warning	Description
CARD ERROR	• The memory card is not formatted for use in the camera: Format the card. • The memory card contacts require cleaning or the memory card is damaged: Clean the contacts with a soft, dry cloth. If the message is repeated, format the card. If the message persists, replace the card. • Incompatible memory card: Use a compatible card. • Camera malfunction: Contact a Fujifilm dealer.
PROTECTED CARD	The memory card is locked. Unlock the card.
BUSY	The memory card is incorrectly formatted. Use the camera to format the card.
b MEMORY FULL	

Memory Card Capacity

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

Capacity	8 GB			16 GB		

Speci□cations

System	
Model	FUJIFILM GFX 50R
Product Number	FF180004

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Power supply/other

Power supply

- NP-T125 rechargeable battery (supplied with camera)
- AC-15V AC adapter (available separately)

Battery life

- Battery type: NP-T125
- Lens: GF63mmF2.8 R WR
- Flash: Disabled
- Shooting mode: Mode P

Number of shots		
AUTO POWER SAVE	LCD	EVF
ON	Approx. 400	Approx. 400
OFF	Approx. 340	Approx. 340

Total length of footage that can be recorded on a single charge		
Mode	Actual Battery life of movie capture	Continuance Battery life of movie capture
i	Approx. 70 minutes	Approx. 145 minutes

CIPA standard. Measured using battery supplied with camera and SD memory card.

Note: Battery endurance varies with battery charge level and the figures given above are not guaranteed. Battery endurance will decline at low temperatures.

Camera size (W × H × D)

160.7 mm × 96.5 mm × 66.4 mm (46.0 mm excluding projections, measured at thinnest part)/6.33 in. × 3.80 in. × 2.62 in. (1.81 in.)

Camera weight

Approx. 690 g/24.3 oz., excluding battery, accessories, and memory card

Shooting weight

Approx. 775 g/27.3 oz., including battery and memory card

Operating conditions

- Temperature: −10 °C to +40 °C/+14 °F to +104 °F (+5 °C to +40 °C/+41 °F to +104 °F when battery is charging)
- Humidity: 10% to 80% (no condensation)

Wireless transmitter	
Wireless LAN	
Standards	IEEE 802.11b/g/n (standard wireless protocol)
Operating frequency (center frequency)	2,412 MHz–2,462 MHz (11 channels)
Maximum radio-frequency power (EIRP)	3.53 dBm
Access protocols	Infrastructure
Bluetooth®	
Standards	Bluetooth version 4.0 (Bluetooth Low Energy)
Operating frequency (center frequency)	2,402 MHz–2,480 MHz
Maximum radio-frequency power (EIRP)	−3.75 dBm

NP-T125 rechargeable battery	
Nominal voltage	10.8 V
Nominal capacity	1250 mAh
Operating temperature	−10 °C to +40 °C/+14 °F to +104 °F
Dimensions (W × H × D)	36.0 mm × 54.4 mm × 26.0 mm/1.4 in. × 2.1 in. × 1.0 in.
Weight	Approx. 81 g/2.9 oz.

BC-T125 battery charger	
Rated input	100 V – 240 V AC, 50singN 10.852694065 Tc c -0.075 Tw 8.1f 0 Tc -0.07v

MEMO

MEMO

H