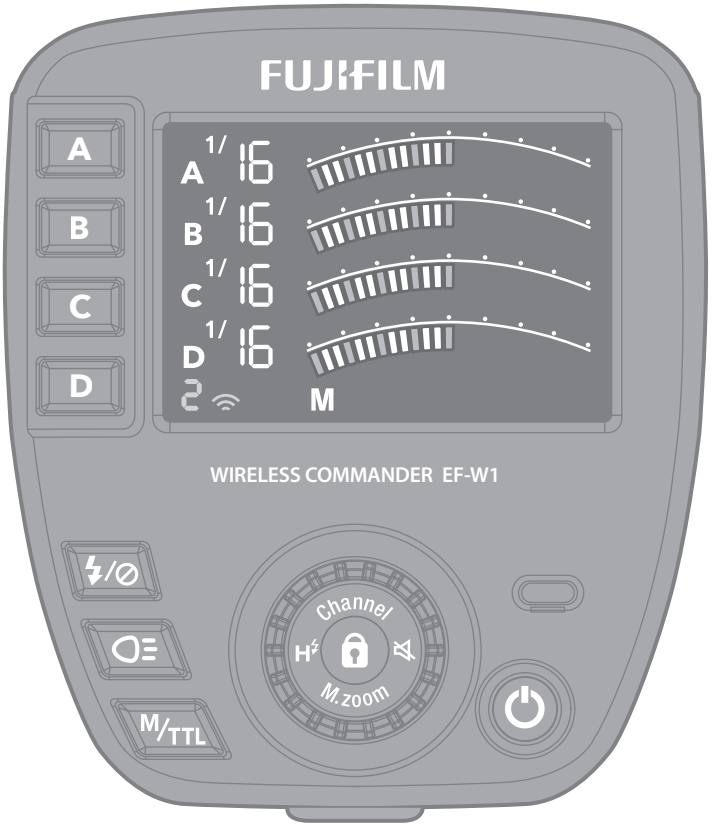
FUJIFILM

WIRELESS COMMANDER

EF-W1

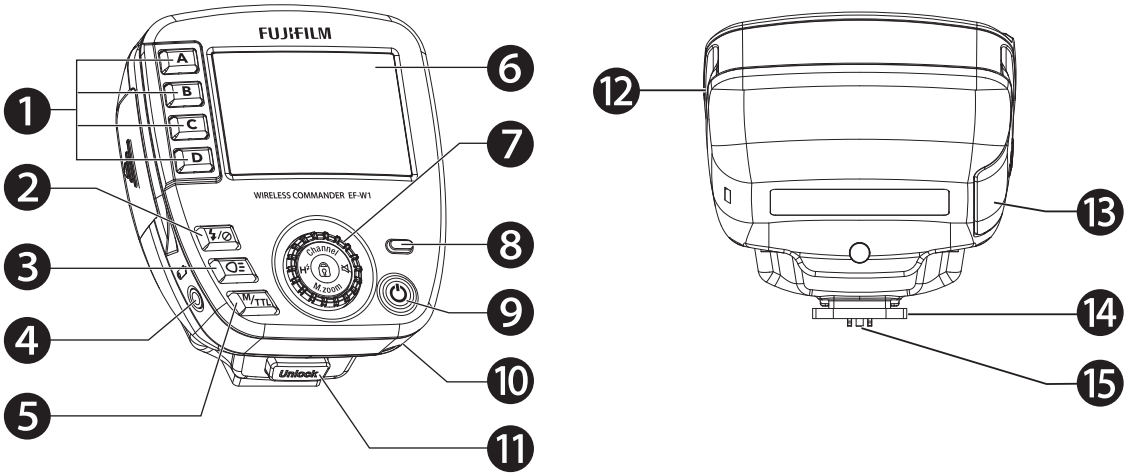
Owner's Manual



Thank you for your purchase of this product.
Before using this commander unit, please read this owner' s manual and refer to the owner' s manual of your camera carefully to get a better understanding of the proper operation to enjoy flash photography.

Contents

Name of the Components and Accessories



1. Group selection button
2. Group on/off button
3. Modeling light button
4. Shutter cable socket (2.5mm)
5. M/TTL Mode button
6. LCD Panel
7. Control Wheel and buttons
   - Channel Button
   - HSS Button
   - M. Zoom button
   - Buzzer button
   - Panel Lock/Unlock button
8. Pilot button (Test flash button)
9. Power On/Off button
10. Strap hole
11. Unlock button
12. Micro SD card slot
13. Battery compartment door
14. Mounting foot
15. Hotshoe contacts

Accessory

* Special case, cable for remote shutter

* By using a flash compatible with wireless remote shutter such as Nissin Digital MG10 / MG8, you can use the shutter button on the flash to release the camera shutter. For details, see the flash instruction manual. (Nissin Digital: https://www.nissindigital.com)

Power Saving Mode

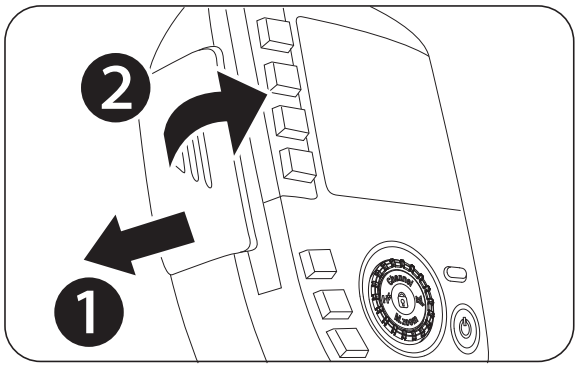
The EF-W1 has a power saving mode to prevent battery drain. After 30 seconds from idle, the LCD will go dark and it will turn off in sync with the camera power. In the power saving mode, the pilot lamp blinks every 2 seconds. Press any button to exit power saving mode and the LCD will re-illuminate. If you do not operate the unit for 60 minutes, the power turns off.

Before Using

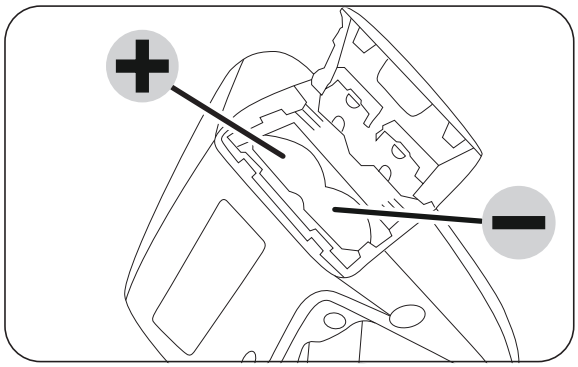
Inserting batteries

Batteries that can be used: Ni-MH batteries, alkaline batteries

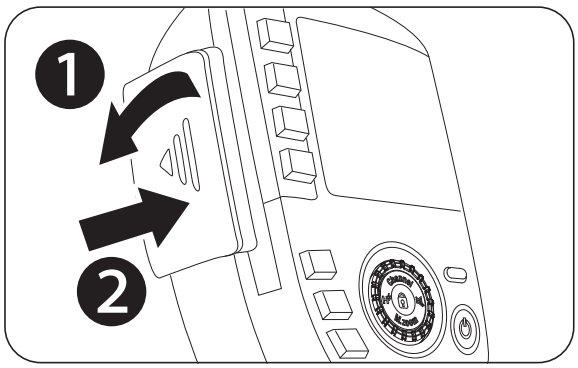
1. Opens the battery compartment door and insert 2 x size AAA batteries as shown in the right figure.



2. Make sure the + and - battery contacts are correctly inserted in the battery compartment.



3. Close the battery compartment door and slide it back in place.



Caution

Use only new batteries of the same brand and type. It is recommended that you replace them at the same time. For rechargeable batteries, use batteries that are all charged at the same time.

Before using

Paring Setting

Before performing wireless shooting, follow the procedure below to set up EF-W1 and flash for pairing.

Caution

Be sure to set the pairing when using for the first time.

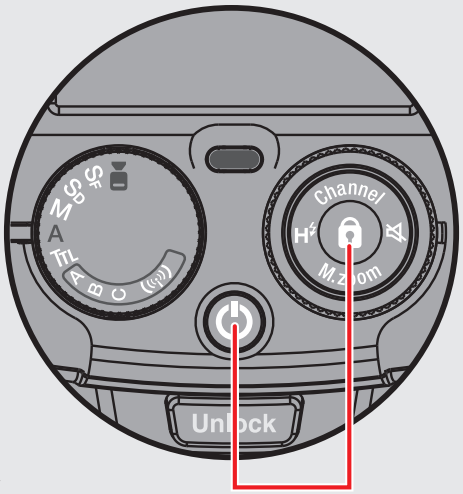
Step 1 … Turn off the commander and flash power.

Step 2 … Follow the procedure below to make pairing settings.

① **Flash** **(with built-in NAS reception function) settings**

EF-60 Setting

Press and hold " (🔒) button of the Control Wheel and buttons" and Power On / Off Button (⏻) at the same time for 3 seconds.
Since the beep sound will be heard, do the setting of "② Commander EF-W1 Setting" as it is.



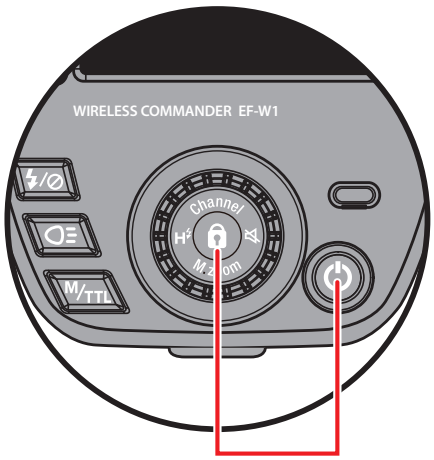
Press and hold for 3 seconds.

⬇

Beep sound

② Commander EF-W1 Setting

1. Press and hold the (🔒) button of the Control Wheel and buttons and power on / off button (⏻) simultaneously for 3 seconds.
2. After the pilot button flashes for 5 seconds, the flash beeping stops.
3. Pairing is now complete.



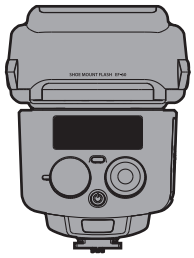
Press and hold for 3 seconds.

↓

Pilot button blinks for 5 seconds

↓

Pairing is complete when the flash beep stops.



- Do not operate the flash until the pairing process is completed.
- If you have multiple flashes, you can press and hold some flashes first to make a beep sound, and then press and hold this unit once at the end to pair them at once.

! Caution

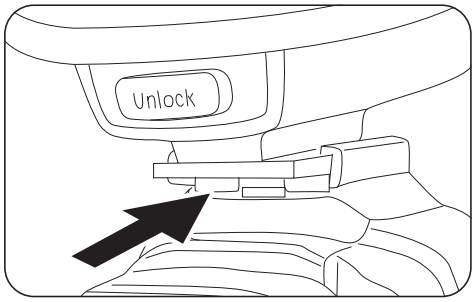
The pairing settings will remain stored even if the power is turned off.

* Press the Pilot button of the Commander EF-W1 for test flash.

Basic Operation

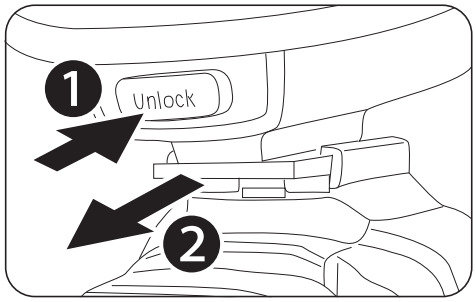
Mounting EF-W1 on the camera

1. Insert the mounting foot of EF-W1 into the hot shoe of the camera.
2. Make sure that the mounting foot will lock (with a "click") when it has been inserted completely.



Removing EF-W1 from the camera

1. Hold the unlock button ① and slide the mounting foot of EF-W1 off the hot shoe of camera ②



Caution

When attaching EF-W1 to a camera, do not grab or lift EF-W1. The mounting foot of EF-W1 or the hot shoe of the camera may be damaged.

Turn on the power

- When you press the Power button and the Pilot button changes from red to green, the power is turned on. This unit can be used.
- For a test flash, press the Pilot button.
- To turn off the flash unit manually, press the Power button once.

Power button

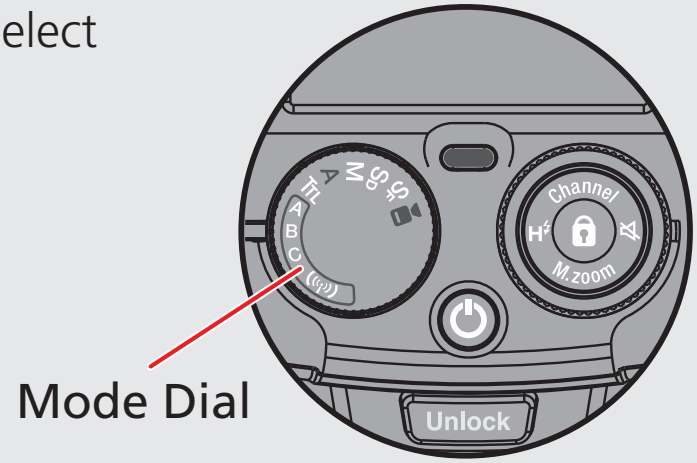
Group Settings and Operations

EF-W1 has 8 groups of A, B, C, D, Ȧ, Ḃ, Ċ, Ḋ, and you can control each group or multiple groups simultaneously. However, note that the groups that can be used are limited depending on the flash used.
You can also connect multiple flashes to one group. First, set the flash group.

Group setting of flash

EF-60 Setting (available groups: **A**, **B**, **C**)

Turn the mode dial to select **A**, **B**, or **C** group of "Wireless mark".



Group Settings and Operations

Commander group setting and operation method

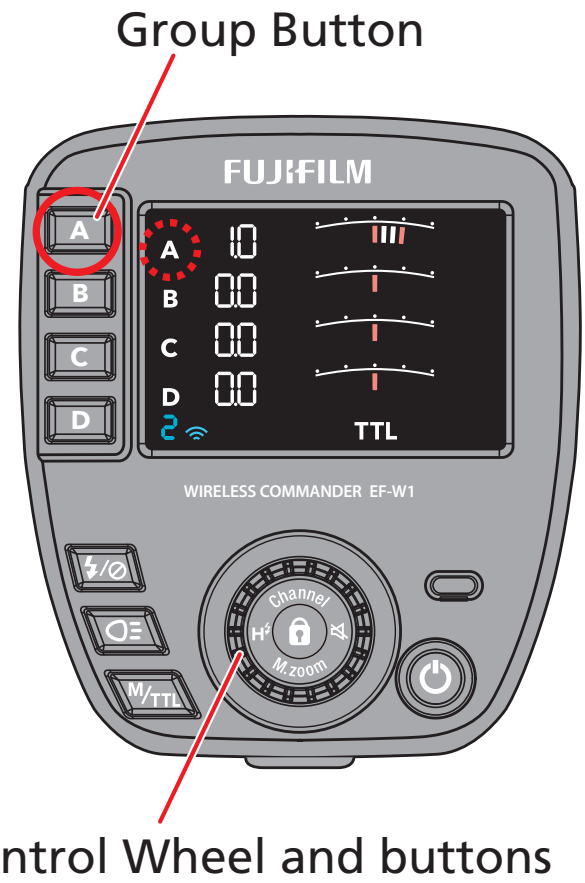
EF-W1 has eight groups. **A**, **B**, **C**, **D** and **Ȧ**, **Ḃ**, **Ċ**, **Ḋ** cannot be operated on the same screen, so press and hold to ☼ switch screens.

! Caution

Group **D**, **Ȧ**, **Ḃ**, **Ċ**, **Ḋ** are available for Nissin Digital MG10, MG8 and MG80 Pro.

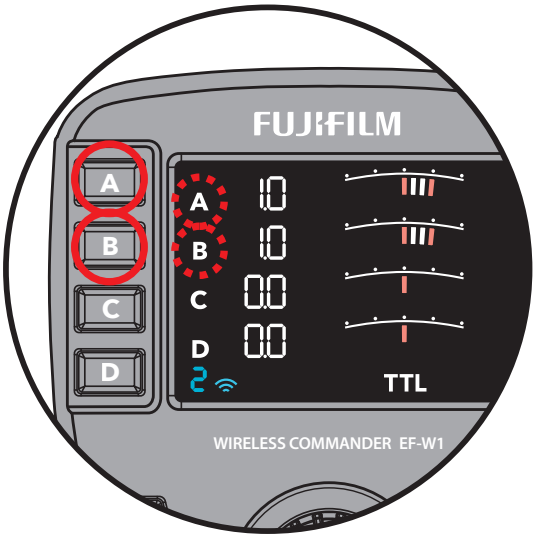
1. When the group display in the left column of the LCD screen is **light**, you can change the setting values of all groups displayed with the control wheel and buttons.

2. Press the specific group button you want to operate, the group display on the LCD screen will **blink**. While it is blinking, you can use the control wheel and buttons to change the setting values for that group only. If you press the group button again, the group display will return to lit.

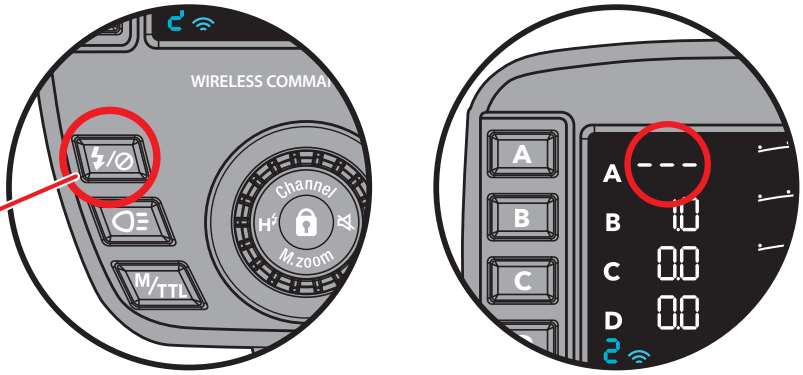


Group Settings and Operations

3. You can change 2 groups by **blinking** 2 groups at the same time and 3 groups at the same time by **blinking** 3 points at the same time.



4. If you want to stop firing for a specific group, press the “Group on / off button” while the group is **blinking**. When the LCD screen shows "---", the flash will be stopped.



Group Settings and Operations

Open Mode *compatible with Nissin Digital MG series

Only one commander can be paired to one flash on the NAS system. However, in case of a flash equipped with an open mode, one flash can receive signals from two or more commanders by switching to the open mode, which enables communication without pairing.

- Press and hold the "**M/TTL** mode button" for more than 1 second to switch to open mode.
- Set EF-W1 and flash channel to the same channel.

! Caution

When controlling the Nissin Digital MG series flashes that are not paired in the OPEN mode, AUTO cannot be used for the channel, so set the MG series flashes channel to the same channel as this EF-W1.

Mode Setting

The EF-W1 has two modes: "**TTL** mode" for automatic light control and "**M** (manual) mode" for manual light control. Use the "**M/TTL** Mode Button" to switch modes.

What is the TTL memory function?

When switching from **TTL** mode to **M** mode, the previous TTL emission amount is automatically changed to the M mode emission amount. This is a feature that will be converted. (No configuration required).
After setting a rough amount of light in TTL mode first, you can switch to M mode for fine tuning. It allows you to quickly determine the optimal amount of light.

M/TTL
Mode Button

TTL Mode

Once setting the mode to TTL, "**TTL**" is displayed at the bottom of the LCD screen. TTL is a mode that automatically adjusts the light emission amount, which can be finely adjusted by light compensation.

Flash compensation range: -2EV to + 2EV

Mode Setting

How to adjust flash exposure in TTL mode

1. Press the "**M/TTL** Mode Button" to switch to the **TTL** mode screen.

2. Press the group button you want to change to make the group display blink.

3. Turn the control wheel and buttons to change the correction value in 1/3EV* steps.

4. Turn the dial clockwise to make it brighter and counterclockwise to make it darker.

M/TTL Mode Button

* For models and firmware that do not support 1/3EV, 1/2 EV step is available.

Mode Setting

M (Manual) Mode

Once setting the mode to **M** (Manual), "**M**" (manual) is displayed at the bottom of the LCD screen. The **M** (manual) mode is a mode for manually adjusting the light emission amount. Turn the control wheel and buttons to change the light emission amount in 1/3EV steps. The maximum amount of light is 1/1, and the larger the denominator, the smaller the amount of light.

Adjustment range: 1/1 to 1/256

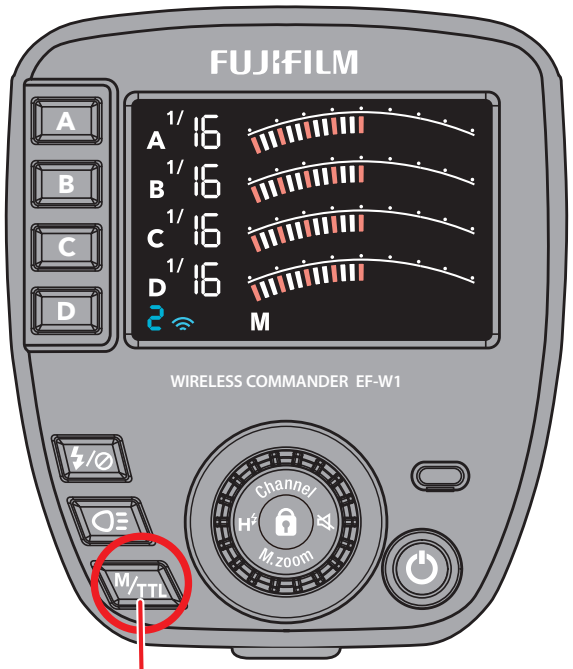
Caution

In FP (High speed sync.) mode, the minimum flash output is automatically limited to 1/32. For details, see the section on FP (High speed sync.).

Mode Setting

How to adjust flash output in M (manual) mode

1. Press the "M/TTL Mode button" to switch to the **M** mode screen.
2. Press the button of the group you want to change to make the group display blink.
3. Turn the control wheel and buttons to change the flash output in 1/3EV steps.
4. Turn the dial clockwise to make it brighter and counterclockwise to make it darker.



M/TTL Mode Button

Control Wheel and Buttons

Channel Setting

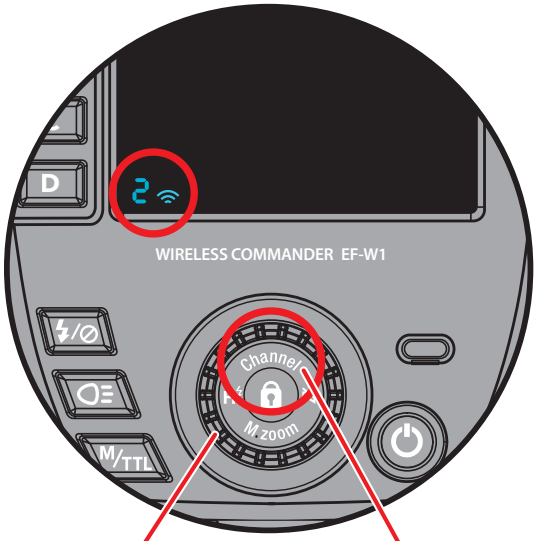
Although it does not need to be changed during normal use, there are rare cases that the NAS may not operate properly due to radio wave interference in locations where other communication devices that use the 2.4 GHz band such as wireless LAN, Bluetooth, handy phone, and hands-free microphone are often used. In such a case, changing the communication channel may improve the situation.

Control Wheel and Buttons

Channel Setting

How to switch channels of EF-W1

1. Press and hold the "**Channel** button" to switch to the channel setting screen.
2. Turn the control wheel and buttons to choose the channel.
3. Press and hold the **Channel** button again or leave it idle for 10 seconds to return to the original screen.



Channel Button

Control Wheel and Buttons

Caution

Before using, set the commander EF-W1 and flash pairing. At that time, make sure that the channel on the flash side is "AUTO" or the same channel as EF-W1.

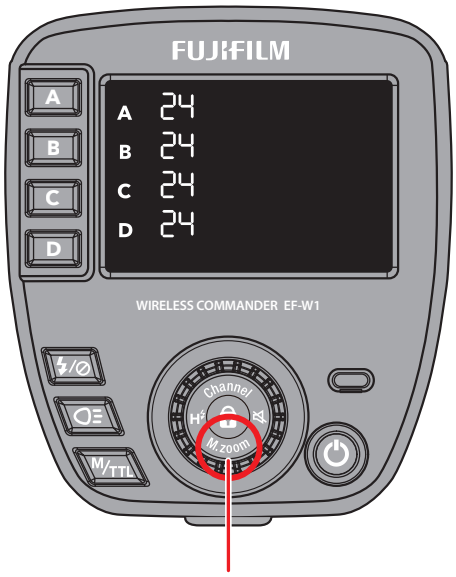
Control Wheel and Buttons

M.zoom Setting the coverage (zoom)

With the EF-W1, the coverage (zoom) of the receiving flash can be switched remotely. The coverage (zoom) can be set to **A** (auto), **24**, **28**, **35**, **50**, **70**, **85**, **105**, **135**, **200** mm. When setting to **A** (Auto), auto zoom is automatically linked to the focal length of the lens.

How to set the coverage (zoom)

1. Press and hold the **M.zoom** button.
2. Press the group button you want to change to make the group display **blink**.
3. Turn the control wheel and buttons to change the flash coverage.
4. To switch to another group, press the group button to make the group display **light**, and repeat the above steps (2, 3, 4).



M.zoom Button

5. To return to the original screen immediately, press and hold the M.zoom button again. If you leave it unattended for about 7 seconds, it automatically returns to the original screen.

[Note]: The initial value of the coverage (zoom) is 24 mm. It will be set to 24mm when resetting (to press and hold the pilot button).

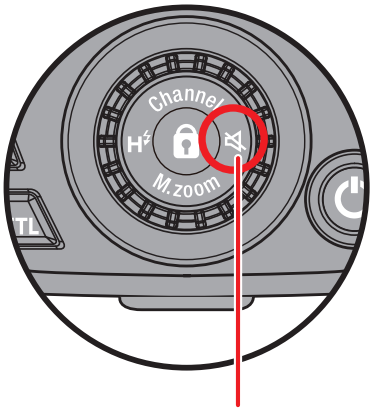
Control Wheel and Buttons

Beep Sound on/off

EF-W1 is set by default to emit a beep sound when the remote flash is charging or when the commander setting value is changed. The beeper on / off settings for all remote flashes can be controlled at once via the commander beep button.

To stop the beep, press and hold the beep button ( ).

To return to the setting that sounds the sound, press and hold the beep button ( ) again.



Beep Button

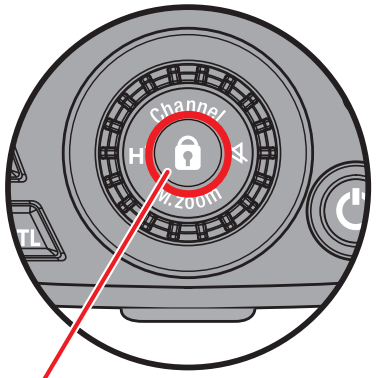
* The beep sound setting is retained even if the power of the EF-60/ EF-W1 is turned off and then on again.

Control Wheel and Buttons

Panel Lock/Unlock button

How to lock the operation

Equipped with "operation lock" mode to prevent accidental operation. To lock the operation, press and hold the Panel Lock/Unlock button ( ). To release it, press and hold the Panel Lock/Unlock button again.



Panel Lock/Unlock button

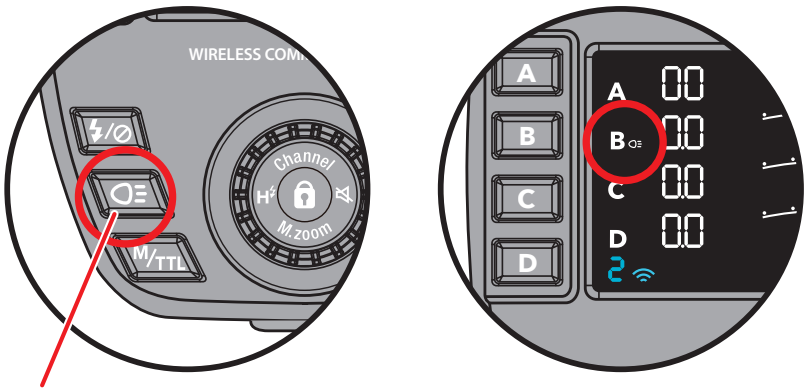
Other Function Buttons

Modeling light emission *Compatible with Nissin Digital MG series

In order to simulate the directionality of the flash light and how the light diffuses when a modifier is attached, EF-W1 can control the modeling light emission function.

How to use Modeling light

1. Press the group button for Modeling light to make the group display **blink**.
2. When you press the “Modeling light button ( )”, the flash for that group will fire modeling light, and the modeling mark ( ) will be displayed to the right of the group display on the LCD screen.
3. To stop modeling light, press the "Modeling light button ( )" again.



Modeling Light Button

Other Functions

FP (High speed sync.)

EF-W1 supports a high speed sync function that synchronizes to a shutter speed settings up to 1/8,000 seconds. This function can be used in both **TTL** mode and **M** mode.

How to enable high speed sync

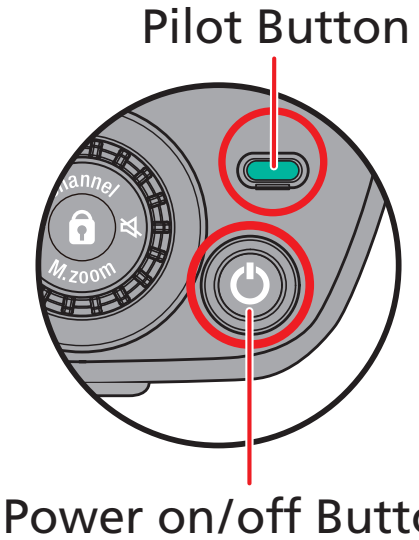
With EF-W1 attached to the camera and the camera and EF-W1 turned on, set the sync mode to [AUTO FP (HSS)] in the [FLASH FUNCTION SETTING] menu on the camera.
Function button [H⚡] on EF-W1 does not work.

! Caution

The minimum flash output is 1/32. Even if you set it to less than 1/32 on the LCD screen, the flash output will automatically change to 1/32 when the shutter is released.

Reset

To reset, press and hold the pilot button for 5 seconds. To reset after displaying the firmware version, press and hold the power on / off button for 5 seconds.
Note that the High speed sync. setting is not reset.



About Firmware Update

You can update the file downloaded from our site by writing it to a micro SD card and inserting it into the product's card slot.
For details, please check the EF-W1 product information page on our website.

Specifications

Type	
Type	Wireless Commander
Model	EF-W1
Compatible Camera *1	GFX 100, GFX 50S, GFX 50R, X-H1, X-Pro2, X-Pro3, X-T1, X-T2, X-T3, X-T4, X-T20, X-T30, X-E3, X100F, X100V, In addition, some functions can be used with X-series cameras equipped with a hot shoe, FinePix HS20EXR, HS30EXR, HS50EXR.
Wireless Communication Unit	
Communication Method	NAS *2
Frequency Range Used (center frequency)	2409 – 2476 MHz
Wireless Maximum Output	8 dBm (EIRP)
Communication Channel	8 channels
Remote Group	A, B, C, D, Ȧ, Ḃ, Ċ, Ḋ
Maximum number of flashes used simultaneously	30
Functions	
Action Mode	Radio Wireless Commander (TTL, Manual, OFF)
TTL Flash Exposure Compensation Control	±2EV, 1/3EV steps
Manual Flash Control	1/1-1/256, 1/3EV steps
FP (high speed sync) Emission Control	Compatible (when using a compatible camera)
The Coverage (zoom)	24-200mm (35mm format conversion), auto zoom
Recycling Time	Max. approx. 10 times/second
Other Functions	Firmware update by microSD card, open mode *3 that allows to control one flash from multiple wireless commanders, modeling light control *3
Power Supply and Others	
No. of Flashes	Approx. 3,000 times (when using alkaline batteries)*4
Power Supply	2 x AAA batteries (Ni-MH batteries, alkaline batteries)
Using Temperature Range	-10 to 40 degrees Celsius
Dimension (Height x Width x Depth)	Approx. 61 mm x 62 mm x 68 mm
Weight	Approx. 73g (without battery)

*1. For the latest compatibility information, please see https://fujifilm-x.com/support/compatibility/accessories/

*2. NAS (Nissin Air System) is a registered trademark of Nissin Japan Ltd. (https://nissin-japan.com/)

*3. Compatible with MG10, MG8, MG80 Pro manufactured by Nissin Digital. (https://nissindigital.com)

*4. It depends on the shooting conditions and batteries used.

Specifications are subject to change without notice.

Ver. 20071101