

OLYMPUS

FR-WR

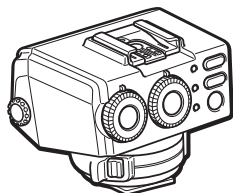
JP	取扱説明書	2
EN	INSTRUCTIONS	14
FR	MODE D'EMPLOI	26
ES	INSTRUCCIONES	36
DE	BEDIENUNGSANLEITUNG	48
KR	사용설명서	58
CHT	使用說明書	68
TH	คำแนะนำการใช้งาน	78
VI	CÁC HƯỚNG DẪN	88



Model No.: IM013

Thank you for purchasing this Olympus product.
 To ensure your safety, please read this instruction manual carefully before use.
 In addition, please keep the manual handy for future reference.
 Be sure to read the instruction manuals for the flash and the wireless commander as well.
 If you use the product outside the country or region of purchase, you may violate local regulations. Olympus accepts no liability in this case.

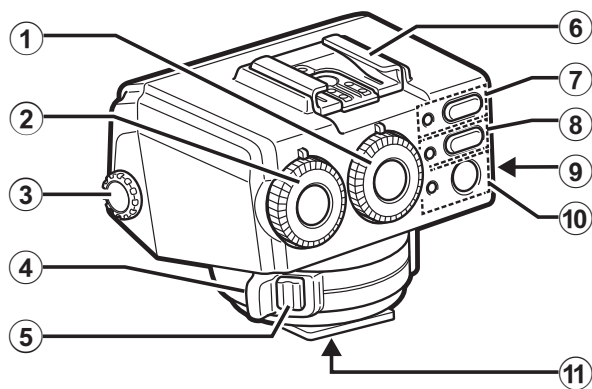
Checking the Contents of the Package



- Wireless radiowave receiver: FR-WR

- Pouch
- Instructions (This manual)
- Warranty card

Names of Parts



- | | |
|------------------------------------|--|
| ① Group dial (A/B/C) P. 19 | ⑦ X-RCV lamp/button..... P. 19 |
| ② Channel dial (1-15) P. 19 | ⑧ BEEP lamp/button..... P. 20 |
| ③ External flash terminal* | ⑨ Battery compartment cover..... P. 15 |
| ④ Latch P. 16 | ⑩ ON/OFF lamp/button P. 17 |
| ⑤ Latch release button P. 16 | ⑪ Tripod socket |
| ⑥ Hot shoe P. 17 | |

* Use the external flash terminal when you connect a commercial flash via a sync cord. Always attach the cap when you are not using the external flash terminal.

- ❗ If you connect an older type of commercial flash with a voltage of approx. 350 V or higher, the wireless receiver will malfunction.
- ❗ If you connect a flash with a communication terminal that does not meet the Olympus standard, the wireless receiver may malfunction.

Preparing the Receiver

Inserting the batteries (sold separately)

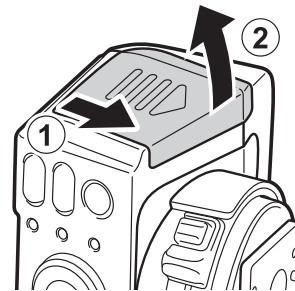
Batteries to use

Choose from the following batteries.

- AAA NiMH batteries (x 2)
- AAA alkaline dry-cell batteries (x 2)
- ❗ AAA manganese batteries are not usable.

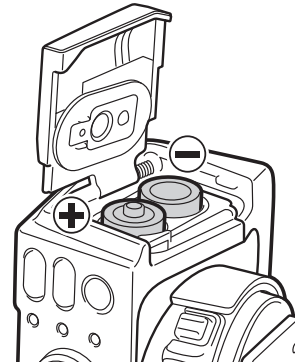
Inserting the batteries

1 Open the battery compartment cover.

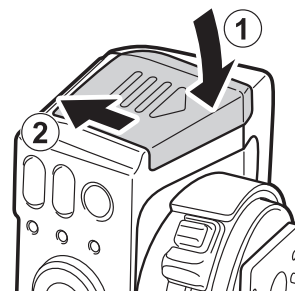


2 Insert the batteries.

- Make sure that the polarity (\oplus/\ominus) is correct.



3 Close the battery compartment cover.

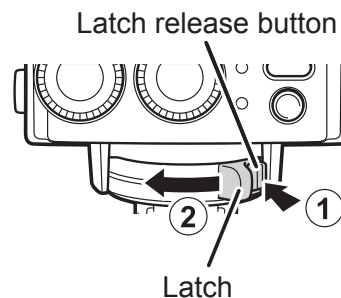


Attaching the wireless receiver

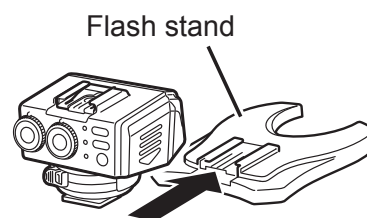
This procedure describes how to attach the wireless receiver to a separate flash stand (FLST-1).

If you are attaching the wireless receiver to a commercial shoe adapter, refer to the instruction manual for the shoe adapter.

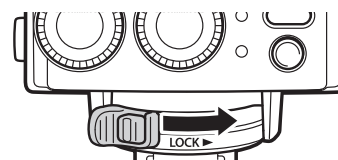
- 1** Hold down the latch release button (①), and slide the latch in the direction of the arrow (②).



- 2** Insert the receiver all the way into the flash stand.



- 3** Slide the latch in the direction of the arrow.



Removing the receiver

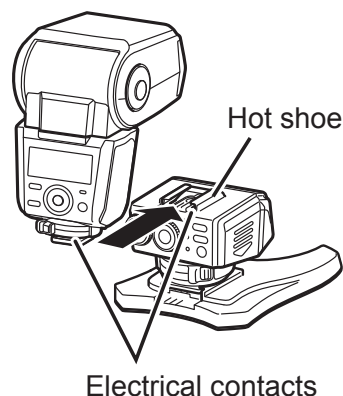
Perform Step 1 of the above procedure and remove the receiver from the flash stand.

Attaching the flash to the wireless receiver

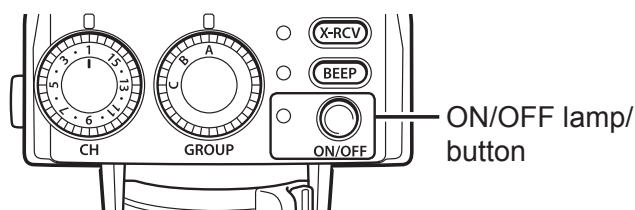
If you are attaching a commercial flash to the wireless receiver, refer to the instruction manual for the flash.

- ❗ Make sure that both the receiver and the flash are turned off.
- ❗ Dirt or moisture on the electrical contacts may cause a malfunction. Wipe off any dirt or moisture before you attach the flash to the receiver.

- 1 Insert the flash all the way into the hot shoe of the receiver.



Turning on the Power



- 1 Press the ON/OFF button.
- ❗ If the ON/OFF lamp flashes, the batteries are running very low. Replace the batteries as soon as possible.

Turning off the power

Press the ON/OFF button.

Automatic power off

If approximately 60 minutes elapse with no operations, the power will turn off automatically. Press the ON/OFF button when you want to use the receiver again.

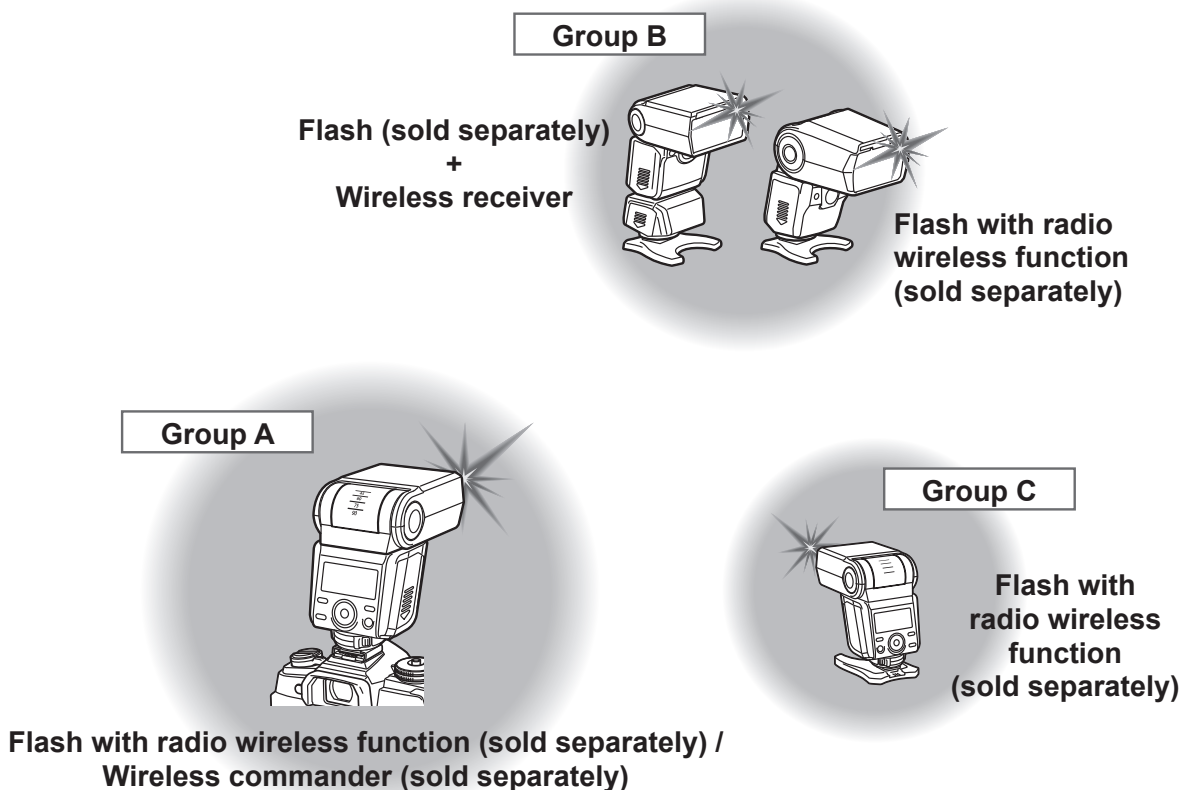
Radio Wireless Shooting

You can attach a commander to the camera and use the commander as well as a flash that supports the radio wireless function to control this wireless receiver through radio communications. This function only works with Olympus products that support the radio wireless function.

Refer to the Olympus website for information on products that support the radio wireless function.

Group control

You can control up to three groups of receivers. Within each group, the flashes will fire with the same settings. This function allows you to use an Olympus flash that does not support radio communications as part of a radio communication system.



Communication distance

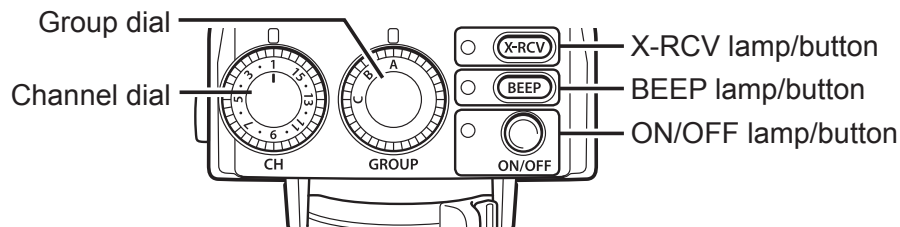
The maximum distance for radio wireless communications with this wireless receiver is approx. 30 meters (98.4 ft.) (under Olympus measurement conditions).

- This distance assumes that there are no obstacles, shielding materials, or radio interference from other devices.
- The communication distance may be shorter depending on the positions of the devices, the surrounding environment, weather conditions, and other factors.

Frequency

This product uses the 2.4 GHz band for wireless communications. However, other wireless devices may use the same frequency.

Setup



- 1** Turn on the flash.
 - Refer to the flash manual for details.
- 2** Press the ON/OFF button to turn on the wireless receiver.
 - The ON/OFF lamp will light up.
- 3** Hold down the X-RCV button to select an operating mode.
 - The X-RCV lamp is off: RCV mode (You set the flash control mode and flash intensity on the wireless commander. This wireless receiver receives the setting information and firing signal from the wireless commander. Then, the flash that is connected to this wireless receiver fires a flash.)
 - The X-RCV lamp is on: X-RCV mode (You set the flash control mode and flash intensity on the flash that is connected to this wireless receiver. This wireless receiver receives a firing signal from the wireless commander. Then, the flash that is connected to this wireless receiver fires a flash with this wireless receiver's settings.)
- 4** Turn the group dial to select a communication group.
- 5** Set the flash control mode and flash intensity.
 - RCV mode: Set the flash control mode and flash intensity on the wireless commander.
 - X-RCV mode: Set the flash control mode and flash intensity on the flash that is connected to this wireless receiver.
- 6** Turn the channel dial to select a communication channel.
 - Select the same channel that you set on the wireless commander.

Other setting

Setting a beeping sound to indicate that the flash is ready to fire

- 1 Hold down the BEEP button until the BEEP lamp lights up.
 - To disable the beeping sound, hold down the BEEP button until the BEEP lamp turns off.

Safety Precautions

Read WARNINGS and CAUTIONS thoroughly to ensure safe usage. These safety precautions protect the users and others and prevent property damage.



WARNING

Failure to observe the precautions indicated by this symbol may result in injury or death.

- Do not use flash in places where it may be exposed to flammable or explosive gas. Otherwise, fire ignition or explosion may result.
- Do not directly solder the product or modify, remodel, or disassemble.
- Do not cover the light emitting area of the flash with your hand, and do not touch the light emitting area after continuous firing. It may burn your skin.
- Water and foreign matter inside of the device may cause fire or electric shock. If the device is immersed in or exposed to water or foreign matter is found inside of the device, turn off the power immediately and remove batteries with care. Contact your dealer or consult an Olympus Authorized Service Station.
- To prevent a traffic accident, do not direct the flash at a person operating a motor vehicle.
- Do not use the flash or AF illuminator in close proximity to others (especially infants). Keep the flash out of reach of children. Light from the flash can cause visual impairment.
- To prevent a short circuit, do not use batteries with a damaged external seal (insulation coating).
- Do not mix old and new batteries, or batteries made by different manufacturers.
- Do not connect substances such as metal to the (+) or (–) of batteries.

**CAUTION**

Failure to observe the precautions indicated by this symbol may result in injury or property damage.

- If you notice any abnormalities such as odor, noise, or smoke, stop using this device. Otherwise a fire or burn may result. Remove the batteries carefully to avoid burning yourself, and contact your dealer or consult an Olympus Authorized Service Station.
- There is a risk of explosion if the battery is replaced with the incorrect battery type.
- Do not operate with wet hands. This may cause malfunction or electric shock.
- Do not use or store batteries in areas exposed to extremely high temperatures, such as in direct sunlight, in an enclosed vehicle on a sunny day, or near a heater.
- Continuous repeated firing could lead to adverse health effects.
- Dirt or moisture on the contacts with the hot shoe may cause a malfunction. Wipe off any dirt or moisture before you attach the receiver to the flash.

Using the radio wireless function

- When you use the radio wireless communication function, comply with all local laws and regulations.
- If you use the product outside the region of purchase, you may violate local regulations for radio waves. Olympus accepts no liability in this case.
- Turn off the product in hospitals and other locations where medical equipment is present.
The radio waves from the product may adversely affect medical equipment, causing a malfunction that results in an accident.
- Turn off the product when onboard aircraft.
Using wireless devices onboard may hinder safe operation of the aircraft.

FCC Caution

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Notice

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

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

Declaration of Conformity

Model Number : IM013

Trade Name : OLYMPUS

Responsible Party : **OLYMPUS AMERICA INC.**

Address : 3500 Corporate Parkway, P. O. Box 610, Center Valley,
PA 18034-0610, USA

Telephone Number : 484-896-5000

Tested To Comply With FCC Standards

FOR HOME OR OFFICE USE

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

Simple Declaration of Conformity

Hereby, OLYMPUS CORPORATION declares that the radio equipment type IM013 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

<http://www.olympus-europa.com/>



This symbol [crossed-out wheeled bin WEEE Annex IV] indicates separate collection of waste electrical and electronic equipment in the EU countries.

Please do not throw the equipment into the domestic refuse.

Please use the return and collection systems available in your country for the disposal of this product.

Radio wireless communication function	
Compatible standard	IEEE 802.15.4 2405 - 2480 MHz
Firmware	Version 1.0 or later

Complies with IMDA Standards DB104634

Specifications

Product type	Wireless radiowave receiver
Maximum communication distance* ¹	Approx. 30 m (98.4 ft.)
Frequency	2.4 GHz band
Number of channels	15
Number of groups	3
Control modes	RCV (commander flash control), X-RCV (connected flash control)
Charging completion indication	Beeping sound
External terminal	Sync terminal (output)
Power supply	AAA alkaline dry-cell batteries x 2 / AAA NiMH batteries x 2
Splash-proof function (Type)	Class 1 (IPX1)
Operable duration* ¹	Approx. 6.4 hours (when using AAA alkaline dry-cell batteries)
Operable temperature/humidity* ²	From -10 to 40°C (14 to 104°F) / From 30 to 90%
Storage warranty temperature/humidity	From -20 to 60°C (-4 to 140°F) / From 10 to 90%
Dimensions	Approx. 59.1 (W) x 46.1 (H) x 51.0 (D) mm (2.3 x 1.8 x 2.0 in.) [excluding the projecting parts]
Weight	75 g (2.6 oz.) [excluding the batteries]

Specifications are subject to change without notice.

*¹ Values are based on Olympus testing conditions and may vary according to the shooting conditions. The values assume the use of new batteries or fully charged rechargeable batteries.

*² At low temperatures, warm the batteries before use. For example, place the batteries in your pocket.

Technical Support (U.S.A. / Canada)

24/7 online automated help: <http://www.olympusamerica.com/support>

Phone customer support: Tel. 1-800-260-1625 (Toll-free)

Our phone customer support is available from 9 am to 9 pm (Monday to Friday) ET

E-Mail: distec@olympus.com

European Technical Customer Support

Please visit our homepage

<http://www.olympus-europa.com>

or call: Tel. 00800 - 67 10 83 00 (Toll-free)

+49 40 - 237 73 899 (Charged)

date of issue 2018.10.

OLYMPUS

The following importer description applies to products imported into the EU directly by OLYMPUS EUROPA SE & Co. KG only.
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Manufactured by OLYMPUS CORPORATION
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