

English

Before operating the unit, please read these instructions thoroughly, and retain them for future reference.

WARNING

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

CAUTION

Excessive sound pressure from earphones and headphones can cause hearing loss.

Regulatory Information

Countries and regions

This product can be used in the country or region where purchased (if outside Europe).

For customers in Europe, please refer to the other operating instructions. This device is approved for use in the country or region of intended use. Using this device with the affixed approval label removed may be punishable by law.

For Customers in the U.S.A. and Canada

CAUTION

You are cautioned that any changes or modifications not expressly approved by this manual could void your authority to operate this equipment.

Note: 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 to 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 other equipment is connected.
 - Consult the dealer or an experienced radio/TV technician for help.
- This device complies with part 15 of the FCC Rules, the Canadian ICES-003 and RSS-Gen of IC Rules.

Operation is subject to the following two conditions:

- (1) This device must not cause harmful interference, and**
- (2) This device must accept any interference received, including interference that may cause undesired operation.**

IMPORTANT NOTE

To comply with FCC/IC/RF exposure requirements, the following antenna installation and device operation instructions must be followed:

1. The antenna must be installed in the location specified in the instructions. The antenna has been installed by the manufacturer and no change can be made.

2. This device and its antenna must not be co-located or operated in conjunction with any other antenna or transmitter.

3. The use of low-power wireless devices. This does not imply, however, that these low power wireless devices are absolutely safe. Low power wireless devices emit low levels of radio frequency (RF) energy in the microwave range while being used. Whereas high levels of RF energy can produce health effects (by heating tissue), exposure to low-level RF energy that does not produce heating effects causes no known adverse health effects. Numerous studies of low-level RF exposure have not found any adverse biological effects. Although some studies have suggested such effects may exist, absolute findings have not been confirmed by additional research.

ECM-HW2 (R) has been tested and found to comply with FCC/IC/RF radiation exposure limits set forth in the following guidelines: FCC/IC/RF radio frequency (RF) Exposure Guidelines in Supplement C of OET65. This equipment generates low level RF energy sufficient to be deemed to comply without testing of specific absorption ratio (SAR).

ECM-HW2 (R) - Receiver

Note: Some studies suggest that any health problems are associated with the use of low-power wireless devices. This does not imply, however, that these low power wireless devices are absolutely safe. Low power wireless devices emit low levels of radio frequency (RF) energy in the microwave range while being used. Whereas high levels of RF energy can produce health effects (by heating tissue), exposure to low-level RF energy that does not produce heating effects causes no known adverse health effects. Numerous studies of low-level RF exposure have not found any adverse biological effects. Although some studies have suggested such effects may exist, absolute findings have not been confirmed by additional research.

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For Customers in Europe

Refer to the other operating instructions.

For Customers in Singapore

Complies with IEC Standards ID380033

Features

This Wireless Microphone is designed to be used with a compatible video camera equipped with an Active Interface Shoe.

• This wireless microphone can pick up the sound of a subject at a distance from the video camera.

• When used with a video camera compatible with 5.1ch recording, this wireless microphone will provide center channel sound, delivering clear, natural sound.

• This wireless microphone is based on Bluetooth wireless communication technology.

• A microphone unit and earphones are provided for each receiver installed on the video camera and the microphone unit is used as a receiver (referred to as "microphone"). The person recording the scene with the video camera and the microphone can communicate when apart, and that sound can be recorded.

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Identifying the Parts (see illustration A)

Receiver (see illustration A-1)

1 Earphone jack
The sound that the microphone is picking up can be monitored.

2 Front (receiving unit)
Immediately after turning on the receiver and microphone

3 Lock knob
Connection established and sound can be recorded clearly

4 Shoe connector (terminal)
When used at low temperature, the operating time of the video camera's battery is reduced by about 10%.

5 Volume adjustment button (VOLUME)
This is the approximate communication distance with an unobstructed view between microphone and camera.

6 Communication lamp
Depending on recording location, such as if obstacles or reflective surfaces are between Bluetooth devices, radio wave conditions, etc.

Status	Receiver	Microphone
Immediately after turning on the receiver and microphone	Flashes blue slowly (standby mode)	Flashes blue slowly (standby mode)
Connection established and sound can be recorded clearly	Lights up blue	Lights up blue
Turning off the receiver or the video camera	Goes out	Flashes blue slowly (standby mode)
Turning off the microphone	Flashes blue slowly (standby mode)	Goes out
Interrupted audio due to bad communication status	Flashes blue quickly	Flashes blue quickly

7 Microphone battery warning lamp (MIC BATT)

The red warning lamp blinks about once a second when the remaining battery charge of the microphone becomes low. Replace with a new battery immediately.

8 Microphone sound pickup unit

9 Power/Mode switch

Microphone (see illustration A-2)

10 Power switch

To prevent battery drain, turn off the Power switch when not in use.

11 Communication lamp (see the table in B)

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9 Power/Mode switch

10 Hook for the strap
You can attach the strap etc. (not supplied) to the microphone.

11 Battery warning lamp (BATT)
The red warning lamp blinks about once a second when the remaining battery charge of the microphone becomes low. Replace with new batteries immediately.

12 Volume adjustment button (VOLUME)
This is the approximate communication distance with an unobstructed view between microphone and camera.

13 Battery compartment lid
Place on the microphone to reduce pop noise caused by breath or strong wind.

14 Clip
Use this to attach the microphone to clothes or the supplied arm band.

15 Wind screen
The microphone can be placed on the desk, etc., using the clip as a stand.

16 Wind screen
Place on the microphone to reduce pop noise caused by breath or strong wind.

Attaching the Wireless Microphone Receiver (see illustration B)

1. Turn on the power of the video camera and the microphone. The microphone will be powered on.

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