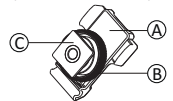


- ① Antenna
- ② Mute Button
- ③ Power Switch (Transmitter)
Volume/Power Control (Receiver)
- ④ Mini XLR Microphone Input (Transmitter)
3.5 mm Earphone Jack (Receiver)
- ⑤ LED Power Indicator
- ⑥ Mic in Sensitivity Selection (Transmitter)
Aux out Volume Control (Receiver)
- ⑦ 3.5 mm Aux in (Transmitter)
3.5 mm Aux out (Receiver)
- ⑧ Frequency Set Button
- ⑨ LCD Window
- ⑩ Channel Up/Down Button
- ⑪ Charging Contacts
- ⑫ Buckle Clip
- ⑬ Slot for Fixing Buckle Clip
- ⑭ Battery Cover

- A Shoe Adapter
- B Locking Wheel
- C Mounting Foot



■ Operation and Setting

Turn-on

Turn on the "Power Switch" ③, the LCD window will show "ON" and the backlight & "LED Power Indicator" ⑤ will light on. After 1 second, the LCD window will show channel number and battery life indicator.

Turn-off

Turn off the "Power Switch" ③, the LCD window will show "OFF" with backlight on, and then turn off.

Setting of Channel

After turning on the unit, the current channel is shown on the LCD window. Press "Frequency Set Button" ⑧ for 2 seconds until the channel number starts to blink, and then press "Channel Up/Down Button" ⑩ to select the channels. Press "Frequency Set Button" ⑧ again to confirm the setting of channel. Or it will return back to the original channel number after 10 seconds without pressing "Frequency Set Button" ⑧.

※ The transmitter and the receiver should be set on the same channel. If you are experiencing interference or noise on one channel, try a different channel.

Display of Channel

Press both of "Channel Up/Down Button" ⑩ simultaneously to show current frequency value on the LCD window. The LCD window will go back to normal after releasing fingers from buttons.

Mute Function (Transmitter only)

When the two-position "Mute Button" ② is in down-position, it mutes the microphone. Push "Mute Button" ② again then you can start to use the microphone again.

Sensitivity of Built-in Microphone (Transmitter only)

You can slide the "Mic in Sensitivity Selection" ⑥ switch to adjust the microphone level (HI/MID/LOW) based on different usages.

- HI- very sensitive
- MID- the average
- LOW- less sensitive

Adjustment of Audio Output-Level (Receiver only)

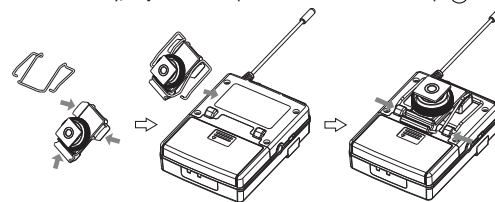
You can slide the "Aux out volume control" ⑥ switch to adjust the output level (HI/MID/LOW).

■ Mounting the HSM-7R (Receiver only)

Shoe adapter: The receiver comes with the shoe adapter pre-attached. A 1/4"-20 threaded socket in the shoe adapter allows for additional mounting options.

To attach the shoe adapter to the receiver

1. Align the "Shoe Adapter" A with the "Buckle Clip" ⑫. The slot should line up with the bottom of the "Buckle Clip" ⑫.
2. Insert the "Buckle Clip" ⑫ into the receiver, one hinge at a time.
3. If necessary, adjust the adapter under the "Buckle Clip" ⑫ well.

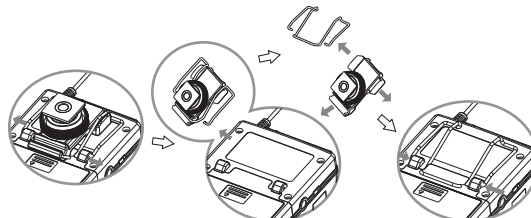


To mount the receiver to your camera

1. Loosen the adapter's locking wheel and slide the mounting foot all the way into your camera's shoe mount. Make sure to position the receiver well so the antenna doesn't enter your image frame.
2. Tighten the locking wheel until secure.
3. Use the included 3.5 mm audio cable to connect the receiver's audio output "3.5 mm Aux out" ⑦ to your camera's microphone input.

To remove the shoe adapter

1. Push outward on the "Buckle Clip" ⑫ at one of the hinges so one side of the clip pops out.
2. Remove the "Shoe Adapter" A.
3. Reinsert the hinge back to the "Slot for Fixing Buckle Clip" ⑬.



■ **Specification for HSM-7 overall system**

Oscillation mode	PLL synthesized control OSC
Antenna	Flexible antenna
Housing material	Aluminum alloy
Frequency range	Group 1. 514~544 MHz (96 ch) Group 2. 520~544 MHz (96 ch) Group 3. 640~664 MHz (96 ch) Group 4. 794~806 MHz (96 ch) Group 5. 863~865 MHz (16 ch)
Frequency width	Maxima 30 MHz
Dynamic range	>80 dB
T.H.D.	<1 %
Pre/De-emphasis	>50 μS

■ **Specification for HSM-7XT transmitter**

Capsule	Condenser
RF output	Less than 10 mW
Spurious emission	Less than 250 nW
Audio input	Mic in, Aux in
Input jack	mini XLR
AF control	Mute switch, Hi/Mid/Low switch
Battery life	14 hours (alkaline disposable batteries)
Size (L x W x H)	34 x 64 x 88 mm (buckle clip incl.)
Weight	179 g (batteries incl.)

■ **Specification for HSM-7R receiver**

RF spurious rejection	58 dB @ 250 kHz
Adjacent channel performance	58 dB
IMD rejection	55 dB
Double intermediate	243.95 MHz / 10.7 MHz
Aux out	-5 dBV/ -10 dBV/ -20 dBV/@ 1 kΩ with Hi/Mid/Low switch
Audio level	Maxima 750 mV
Earphone connector	3.5 mm jack socket for both mono or stereo one
Battery life	17 hours (alkaline disposable batteries)
Size (L x W x H)	34 x 64 x 97 mm (buckle clip incl.)
Weight	185 g (batteries incl.)

■ **Troubleshooting**

- **Unable to turn on the unit**
 1. Be sure the batteries are inserted well in the unit.
 2. Be sure the polarities of batteries are correct.
- **Unable to hear any voice from the receiver**
 1. Be sure the receiver and the transmitter are on the same channel.
 2. Be sure the volume is adjusted to the appropriate level.
 3. Be sure the distance between the receiver and the transmitter is within the acceptable range.
- **The receiver is interfered when pairing with the transmitter**
 1. If there is more than one transmitter around users, select different frequencies to avoid potential interferences. If the interference still exists, select another frequencies again until the problem is solved.
 2. Make sure both transmitter and receiver are on the same channel.
 3. Try to position the antennas at a 45° angle in relation to each other.
 4. Keep the units' antennas at least 0.6 M away from conductive objects like metal and water. Overhand telephone lines, fluorescent lighting, and metal fences can all cause interference.
 5. Interferences might come from other RF products such as television or radio. Please try different frequencies.
- **The LCD display shows ERR**
 1. Turn the volume control off counterclockwise, and then turn it on again.
 2. If the problem still exists, please contact with your local supplier for checking and repairing.

■ **HSM-7 ENG & EFP System includes the following items**

- 1 x HSM-7XT Transmitter (Buckle Clip incl.)
- 1 x HSM-7R Receiver (Buckle Clip incl.)
- 1 x LM-90C Lapel Microphone (w/ mini-XLR jack)
Or HM-50C Headset Microphone
Or HM-55C Headset Microphone (for presentation)
Or HM-65C Headset Microphone (for sport)
- 1 x SM-10 Shoe Adapter
- 1 x Audio Output Cable (3.5mm male to 3.5mm male)
- 1 x Handbag (optional)
- 4 x AA Batteries (optional)
- 1 x EJ-501TM Handheld Microphone (optional)

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

IMPORTANT NOTE: To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

Consumer Alert

Most users do not need a license to operate this wireless microphone system. Nevertheless, operating this microphone system without a license is subject to certain restrictions: The system may not cause harmful interference; it must operate at a low power level (not in excess of 50 milliwatts); and it has no protection from interference received from any other device. Purchasers should also be aware that the FCC is currently evaluating use of wireless microphone systems, and these rules are subject to change. For more information, call the FCC at 1-888-CALL-FCC (TTY: 1-888-TELL-FCC) or visit the FCC's wireless microphone Web site at <http://www.fcc.gov/egb/wirelessmicrophones>.

※ Specifications are subject to change without prior notice.